



SCHOOLS





The Future of the University of Montana Professional Schools



IN the busy days of the last decade busy men were dreaming dreams of the greater State University that was to be. Living on miserly salaries, they looked forward to the day when a prosperous Montana would bring the greatest educators of a nation to the institution at the foot of Mount Sentinel. Conducting classes in dingy, poorly lighted buildings, they dreamed of the day when towering structures, adequate for the needs of a greater University, would rise about the oval.

The dreams of the dreamers are about to come true. Air castles of ten years ago are assuming definite form in architects' blue prints. The first cornerstone will be laid within another



C. E. Mollett, Dean of School of Pharmacy.

year. Others will follow. And when all the day dreams of the University builders have come true, it will be found that the professional schools, youngest and most flourishing members of the University family, will have no unimportant place.

Shirley J. Coon, dean of the School of Business Administration, in looking only a year or





A. L. Stone, Dean of School of Journalism.



Journalism Library.





two ahead, sees his classes meeting in adjoining rooms of Main hall, instead of being widely scattered as they are now. He believes that there will be several new instructors to give courses for which there is not at present a large enough teaching force.

Even next year he expects to require two years of university work before a student may enroll in business administration.

The Forestry building, which was never intended for a permanent structure, has already been replaced in Dean Dorr Skeels' office by the plans for a modern brick building to be placed in about the position now occupied by the gymnasium.

This building will have large laboratories, adequate office space and a lecture room with a seating capacity of more than one hundred and fifty.



DeLass Smith, Dean of School of Music.

A print shop of its own, large enough to do all the Greater University printing, is only part of the equipment of the School of Journalism that Dean A. L. Stone sees in the near future.

From a Student Army Training Corps barracks now shared by journalism with classes in French, English and military science to a modern building whose roof does not leak is not too great a change to be foreseen by the "Dean," who has worked and dreamed for the school since the time it was housed in a bicycle shed.

The present Library building has been promised to the School of Law for several years. Dean





C. W. Leaphart has longed for the day when classes in law need no longer meet in the basement and when the long-stored cases of books for which there has been no space may be unpacked and used.

His dream will probably be the first to come true, since it is expected that work will be started on the new library within the year.

DeLoss Smith, dean of the School of Music, waits and plans for the time when sound-proof



School of Forestry in Class.

practice rooms will be located in the basement of his dream Music building, when a studio large enough for the University orchestra recitals will exist.

His modest dream is not without foundation, as shown by the placing on Charter Day of a stake marked "Music Building" behind the hedge between Craig hall and the Science building.

The School of Pharmacy now occupies all of the available space on the first floor of Science hall. With a normal increase in enrollment next year larger quarters will be necessary.

Dean C. E. F. Mollett, who has been here since pharmacy's infancy as a department, is already planning for the time when the school will have moved into larger quarters and become a college second to none in the country.





C. W. Leaphart, Dean of School of Law.





DEPARTMENTS





Arts and Science English



THE English department fosters three extra-curricular activities, dramatics, debate and the *Frontier*, the University literary magazine.

The class in dramatic presentation has co-operated with the University Masquers' club in producing a series of plays at University convocations and special matinees and before outside clubs and societies. One member of the department faculty has devoted most of his time to instruction in dramatic subjects.

The coaching of the debate teams has been the work of another teacher.

The class in creative writing and its teacher, another member of the English faculty, are the board of editors of the *Frontier*, which receives contributions from any member of the student body or faculty. The *Frontier*, which is sent to the high school libraries, large public libraries and fifty newspaper offices of Montana, has received favorable notice from professional literary critics.

About three hundred and fifty students were enrolled in English courses during the year. About forty were majors, approximately twelve of these being sophomores.

A new course in advanced composition was given in the winter quarter, and though it was announced only a week before the beginning of the quarter, twenty-five students elected the work and met Saturday mornings throughout the quarter.

The new curriculum in force in 1920-21 is expected to need fewer readjustments than the old did. An experiment was started this year which divides the two-quarter course in freshman composition into one quarter, to be taken in the freshman year and the second quarter the following year. It is planned to offer in the summer quarter the courses required of English majors. More written work was required in reading courses and more reading in composition courses this year in an effort to make the courses more uniform.

In the spring quarter two-lecture courses in speech arts were given. These elective courses in voice training and interpretative reading of literature were offered under the English department, and University credit was given for them, but twenty dollars tuition was charged for each course on account of the services of the special lecturer engaged.

The department has extended its work to include a class held once a week for more than twenty Missoula school teachers.

This year seven full-time faculty members and one teaching student assistant made up the department staff. Next fall it is hoped to have a teacher of public speaking.





Fine Arts

In spite of the handicap of a small staff which at present consists of only one teacher and one student assistant, the Fine Arts department has more than doubled in size in the last four years. This year thirty-three students, including sixteen majors, were enrolled in the department, several of them for more than one course.



They Take Chemistry Still.

The department has had the disadvantages of small space and inadequate equipment also, both common to practically all the departments of the University.

The local chapter of Delta Phi Delta, national art fraternity, subscribes to the International Studio and the American Magazine of Art for the department, which has files of pictures, pamphlets and clippings also.

Art students sent thirty-seven pieces to the Delta Phi Delta national exhibition. On Charter Day an exhibit was held in the studio.

The courses given include outdoor sketching, mural painting and commercial posters and pen and ink work. There is a demand for more commercial courses than the department is equipped to offer. The department is responsible for the art work in the University Sentinel. This has formerly been done as extra-curricular work, but a regular class in it is being planned.

The Art League and Delta Phi Delta are factors in the interest of the art students. The two societies together hold a weekly studio night, at which live models pose.





Economics

During the winter quarter fifty-five were registered in social science. The same quarter special studies in financial problems in business were taken up in connection with the course in finance. Six advanced students met Thursday evenings to study economic problems.

Next fall the freshman work of the department will be reorganized to give three quarters of lectures on economic resources and the economic history of Europe. These will be supple-



Art Studio.

mented by class work in small sections. Public finance will be offered again next year. Also financial statistics and new advanced courses in social and economic conditions and conditions of social progress will be given in addition to the general courses in sociology. New courses to prepare students for social service will be offered in philanthropic social work and immigration and Americanization.

The department has a small library of well-selected books.

There are three full-time and one part-time teachers on the department staff.

Last year enrollment in the department was about three hundred, of whom about ten were major students.





Chemistry

The chemistry department sends its graduates out as high school teachers, chemistry assistants in large eastern and western universities and research workers for the government and large commercial concerns.



Target Practice.

The courses offered include general chemistry, inorganic chemistry, qualitative analysis, quantitative analysis, fire assaying and organic chemistry. Advanced work is given in the carbon compounds, organic qualitative analysis, physiological chemistry, chemistry and analysis of foods, textile chemistry, physical chemistry, history of chemical theories, electrochemistry, industrial chemistry, technical analysis and journal club.

The department staff consists of four full-time teachers and seven student assistants.

Two lecture rooms, one containing the department library; three laboratories; three offices; one storeroom, and two balance rooms, are occupied by the department.

Biology

A course in eugenics was given for the first time during the autumn quarter in 1920 in the biology department. The course was well received. Eighteen students were enrolled in it.





The biology department is well prepared to teach both elementary and advanced bacteriology and a high standard of work in that subject has been carried on this year under the special attention of one member of the teaching staff.

The department has published a large number of bulletins and articles on zoological and allied subjects, dealing usually with local phases of those subjects. Advanced and graduate students



Military Drill.

carry on research work at the University Biological station on the east shore of Flathead lake and there much material for publication has been gathered.

About one hundred and seventy-five students, including ten majors, were registered in the biology department in 1920-21.

Three teachers and two student assistants carry on the work of instruction, and two more student assistants care for laboratory equipment.

A valuable addition to the department's library, which occupies a room of its own, is about two hundred books on medicine and surgery from the library of the late Dr. W. P. Mills of Missoula.

Besides the library, the department has two offices, four laboratories, three storerooms, a dark room and the use of the auditorium, all in the Natural Science building, as a classroom. The general laboratory will accommodate a class of fifty.

The specimens in the University museum are used for study. The collections include thousands of bird skins, shells and insects, and collections of fishes, butterflies and moths.





Botany

The botany department has seven thousand mounted specimens, chiefly of the flora of this region. This collection is being constantly increased by exchange with other parts of the country.

The department is housed in the new Natural Science building. Its general laboratory seats



Major A. C. Cron.

forty-five, and in addition it has a library of modern books, laboratories for plant physiology and histology and two offices.

Three faculty members and two student assistants conduct the work of the department. One hundred and thirty students were registered in the department during the past year. More than one hundred of these were taking elementary work and four were major students.

The faculty of the department has published articles on the flora of the region and two books, one on "Forest Distribution in the Northern Rocky Mountains" and the other on "The Trees and Shrubs of the Northern Rocky Mountains," are now ready for publication. A treatise on fungi is in course of preparation.

Education

More than three years ago the state board of education authorized the establishment at the State University of a school of education to co-ordinate more fully the work of all departments





concerned in the training of teachers. It is expected that funds will soon be available to finance the new school.

The staff of the present education department is composed of one full-time and two half-time teachers.

The teaching profession is rapidly moving to a higher plane of dignity and a better scale of financial reward. There is need for young women and men of energy, ability and ambition in the profession.

Geology

More students were enrolled in geological courses this year than ever before. The total number reached about two hundred. The classes in elementary work had ninety students and about one hundred were registered in geography and geology of Montana.

Within two or three years it is expected that this department will be one of the most crowded in the University. Competent geologists are in great demand in the commercial field. This has resulted in an influx of geology students all over the country and in much difficulty in getting and keeping teachers in that subject.

The department is equipped to offer major work in geology, mineralogy, physiography, general economic geology and petroleum geology. Stress at present is being laid on petroleum geology, and the course given is a good one.

The library is one of the best equipped geological libraries in the west. It contains all the government geological survey reports, almost all the state reports and the reports of the American Association of Mining Engineers. Four periodicals are subscribed to. The hundreds of volumes in the library include special books on mineralogy, paleontology and ore deposits.

The department has a number of stereopticon slides, used to illustrate lectures.

The work of the department is of a high standard and is accepted by such schools as the University of Chicago and the University of Michigan.

History and Political Science

A course in the history of modern Russia was offered for the first time by the history and political science department in the spring quarter. The department plans to extend the political science phase of its work by adding courses in municipal government and contemporary political thought next fall. Advanced students are eligible to seminar courses in European and American history and are encouraged to take up investigations along various lines.

One hundred and sixty-seven students were registered in courses in the department during the past year. Two were graduate students; six senior majors, and about ten junior majors.





Additions are constantly being made to the already good working library of northwest history, which contains rare manuscripts and several hundred volumes, most of which are now out of print.

Most of the graduates from this department take up teaching, but a few go into other positions of public service.



In the Library.

Home Economics

The work of the home economics department is to teach the application of the facts and methods of the arts and sciences to the problems of housing, clothing and feeding the family. The foundation of home economics is the principles learned by a study of the biological and physical sciences, economics, sociology, history, fine arts and literature.

This year the department has had about thirty-five major students. The growth of the department has been tremendous during the past few years.

The department has well-equipped cooking and sewing laboratories, pantries, dining-room, library and offices in the new Natural Science building.

The opportunities for graduates in home economics are very great in teaching, county home demonstration work, institutional management and hospital dietetics. Graduates of the department are now doing successful work along these lines.





Library Economy

The library economy department uses the University library of 50,000 volumes as its laboratory.



Armistice Day.

Practice work is done under close supervision in the University library and in a public library also by those who major in this department. Prerequisite courses for a major in library economy include advanced work in the history and English departments.

The demand for librarians in Montana is greater than can be supplied at present, but Montana





librarians hope that with an adequate new building and increased funds this department will be able to furnish graduates to fill all positions in the state now open.

The department's purpose is not only to give technical training, but also a realization that library work is a phase of public service.



In the Psychology Laboratory.

Military Science

The military science department is an infantry unit of the Reserve Officers' Training corps, senior division, organized under the National Defense act in 1916.

According to a bulletin issued this year from the headquarters of the Ninth Corps area, "the R. O. T. C. provides systematic military training at civil educational institutions during the time the student is in school without interference with his course of study, without his enlistment in the service of the United States other than to follow the course prescribed, and further prepares him for qualifying as a commissioned officer in the Reserve. It gives its cadet a systematic and thorough physical training; it straightens his back and broadens his chest; it gives him that virility and self-confidence that go with a sound body. It inculcates a respect for lawful authority. It teaches him the fundamentals of military training. It creates, trains and develops leadership. It helps him become a better citizen in times of peace as well as in times of war, through the cultivation of discipline, courtesy, truth, honor and love of country. It qualifies selected students for commissions in the Officers' Reserve corps, which will enable them





when called into active service in time of national emergency properly to perform the practical duties of training, caring for and leading in combat the smaller units."

The University R. O. T. C. unit consists of Companies A, B and C and a military band. One major and two sergeants of the United States army have charge of the unit.

The courses given occupy five hours a week and are compulsory for freshmen and sophomore men, with a few exceptions. Members of the R. O. T. C. are furnished with uniform, arms and equipment by the government. Students in the two years of advanced work are awarded a government scholarship amounting to about one hundred and twenty-five dollars a year.

Mathematics

The mathematics department has what is probably the best departmental library in the University and one of the best mathematical libraries between the central west and the Pacific coast.

The faculty of the department consists of three full-time teachers and two student assistants, one who teaches and one who reads papers. During the past year the department had an enrollment of one hundred and ninety, of whom about forty were majors.

Pre-Medic

The University offers a pre-medical course which prepares students to enter any medical school. Medical schools of high standing require a bachelor's degree or three years of college work for admission.

This course also fits students for training as nurses and hospital assistants. The demand for men and women to fill such positions far exceeds the supply. There are also great possibilities for women doctors.

Modern Languages

The modern languages department offers courses in elementary, intermediate, advanced, technical and special French and Spanish and also a course to train those who expect to teach modern languages. Instruction in German is suspended until further notice by order of the state council of defense, and courses in that language are announced tentatively, pending action of the state board of education.





Le Cercle Francais, a club composed of advanced French students and others especially interested in the language, literature and history of France, is affiliated with the national organization, L'Alliance Francaise, and holds meetings twice a month. There is a similar club of Spanish students, which also meets twice a month.

Physical Education

The physical education department has six divisions, namely, of intercollegiate athletics, of intramural athletics for women, of intramural athletics for men, of physical training for women, of physical training for men and of training of physical education teachers.

Varsity baseball and intramural tennis and cross-country running for men are carried on under the department. This year the department had forty-three majors, of which eight graduated.

The gymnasium and its equipment are entirely inadequate and unsuited and at present curtail intramural, intercollegiate and all outdoor sports. There is also lack of office room and examination rooms, but it is hoped to have adequate space and equipment when a new gymnasium building is erected.

Psychology and Philosophy

During 1920-21 one hundred and seventy-five students were enrolled in courses in the department of psychology and philosophy. Of these three were majors and a number were minors.

The department library numbers about three hundred volumes on psychological subjects and one hundred dealing with philosophy, ethics and logic. Thirty psychological journals including two in French and three in German are subscribed to.

The laboratory is equipped with apparatus for courses in all the sensory processes such as reaction time, memory, association and the higher thought processes, though the department lacks the funds to buy the most up-to-date equipment.

A limited number of courses in applied psychology also are taught. These aim to represent the main interests in that field and include the psychology of religion, the psychology of musical talent, the psychology of advertising and mental measurements.

The department conducts a well-equipped clinic which makes free psychological examinations of mental defects and other abnormalities in children. This clinic is frequently called upon by the Missoula juvenile court and the public schools of Missoula and the surrounding country to examine delinquent and subnormal cases.





Public Service

The public service division has four departments, the department of correspondence study, the bureau of public information, the department of public lectures and the department of moving picture film service.

This year about one hundred and fifteen students were enrolled in correspondence courses. The demand was chiefly for work in history, freshman composition, education, mathematics and commercial geography. Other courses in business administration, English, fine arts, home economics, modern languages and psychology, were offered also.

Physics

The courses in the physics department cover three years of work and are planned to benefit three classes of students—those engaged in the study of other sciences which physics overlaps, those who expect to teach the subject and those who expect to apply what they learn in commercial positions.

The first class usually take only the general courses, which are planned to give emphasis to those phases of the work applied in other sciences. Prospective teachers take more than the general courses, but the most extensive work is done by those who are preparing to fill commercial positions. The practical side of physics has developed greatly during the past few years, due partly to the war.

The department plans to publish an article on "The Production of Constant Time Intervals by Means of a Tuning Fork," which will explain the development of a method to drive a motor at constant speed.





Practice Court.



