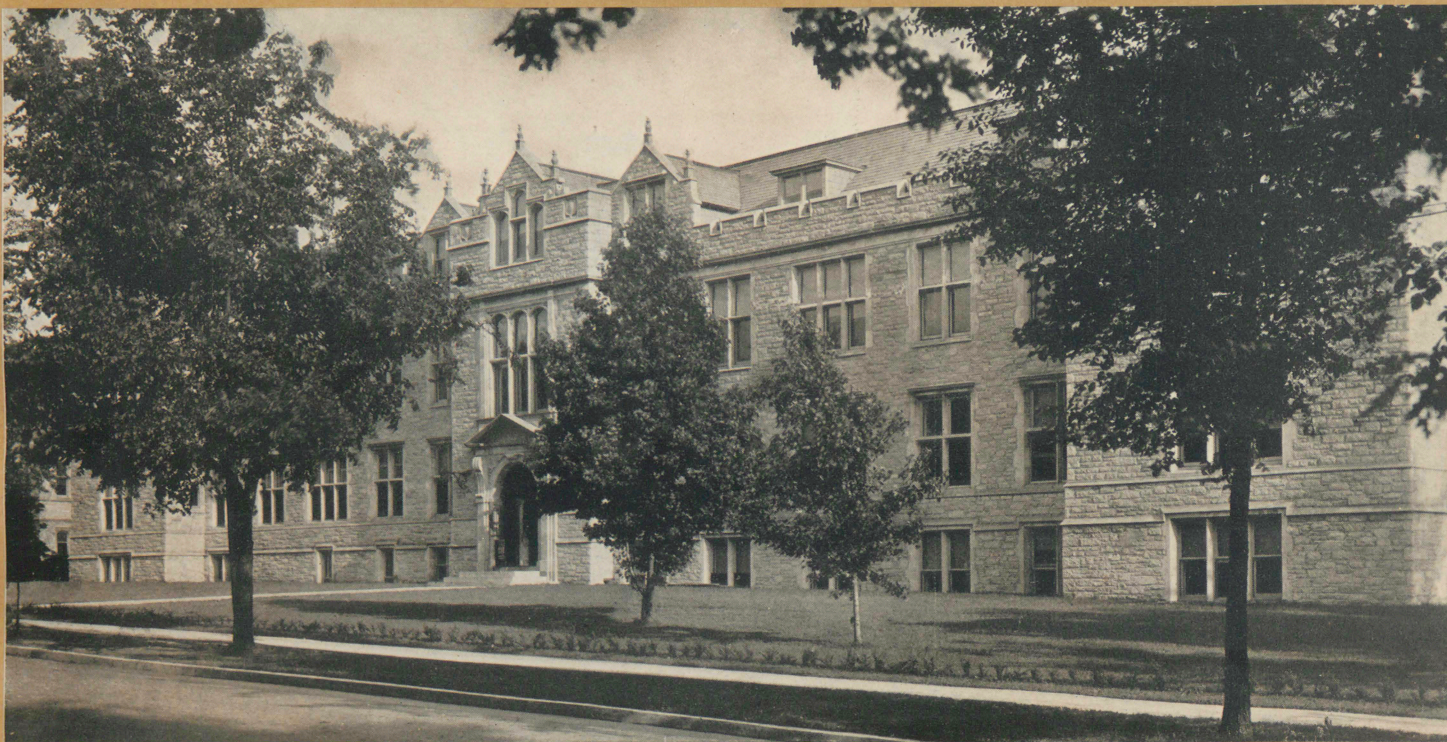


Rayford



College of Agriculture, University
of Missouri, Columbia

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VIEWS

OF THE


COLLEGE OF AGRICULTURE

UNIVERSITY OF MISSOURI

Columbia

It is the primary duty of the College of Agriculture to train men and women for successful achievement in a rural environment. It accomplishes this purpose through organized, systematic instruction in the College and the extension of practical knowledge to the farmers themselves.

It is the purpose of the College of Agriculture to assemble all the knowledge of all the best farm, home and community practices of all the best farmers of all the ages; likewise, to bring together all the discoveries of modern science which may be applied to the solution of agricultural problems; to create new knowledge through research; to organize all this knowledge, put it in teachable form, and make it available and usable for students and farmers. The College is not alone interested in increasing the technical skill and efficiency of its students. It is also and primarily concerned with the training of men and women who, because of their education, will be able and willing to render a greater service to the world.



DEAN

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WATERS HALL

The departments of Field Crops, Poultry Husbandry, and Agricultural Education, and the Agricultural Extension Service are located in this building.

Unlimited opportunities await men and women who are well trained in the practices of farming and its related sciences and arts. Graduates of the College of Agriculture are successful farmers, teachers, extension workers, investigators, and many hold responsible commercial positions.





AGRICULTURE BUILDING

The agricultural library, located in this building contains 15,000 agricultural books and the leading agricultural journals of this country and foreign countries. The other libraries of the University, containing over 235,000 volumes, are also available to agricultural students.

A small auditorium; several large classrooms and laboratories; the offices of the departments of Agricultural Economics, Animal Husbandry, Rural Sociology, and Soils; the offices of the Dean and Director, the University Photographer, and the Agricultural Editor are in this building.



SCHWEITZER HALL

(on right)

This building is used for instruction and investigation in Agricultural Chemistry and Animal Nutrition. It is equipped with modern chemical laboratories, storerooms, refrigeration and meat cutting rooms.

The general chemical laboratories of the Agricultural Experiment Station are in this building. It is here that the analyses of fertilizers, required by the Missouri Fertilizer Law, are made. These analyses guide the farmers of the State in the selection of their fertilizers and protect them from false guarantees.





DAIRY BUILDING

This building contains lecture rooms and laboratories for instruction and research in the various phases of the dairy industry.

More than one hundred former students who specialized in dairying now hold important positions in educational work. These include twelve heads of departments in state agricultural colleges, and many of the leading dairy research and extension workers in this country. Several hundred former students are now operating dairy farms, or are engaged in commercial dairying.

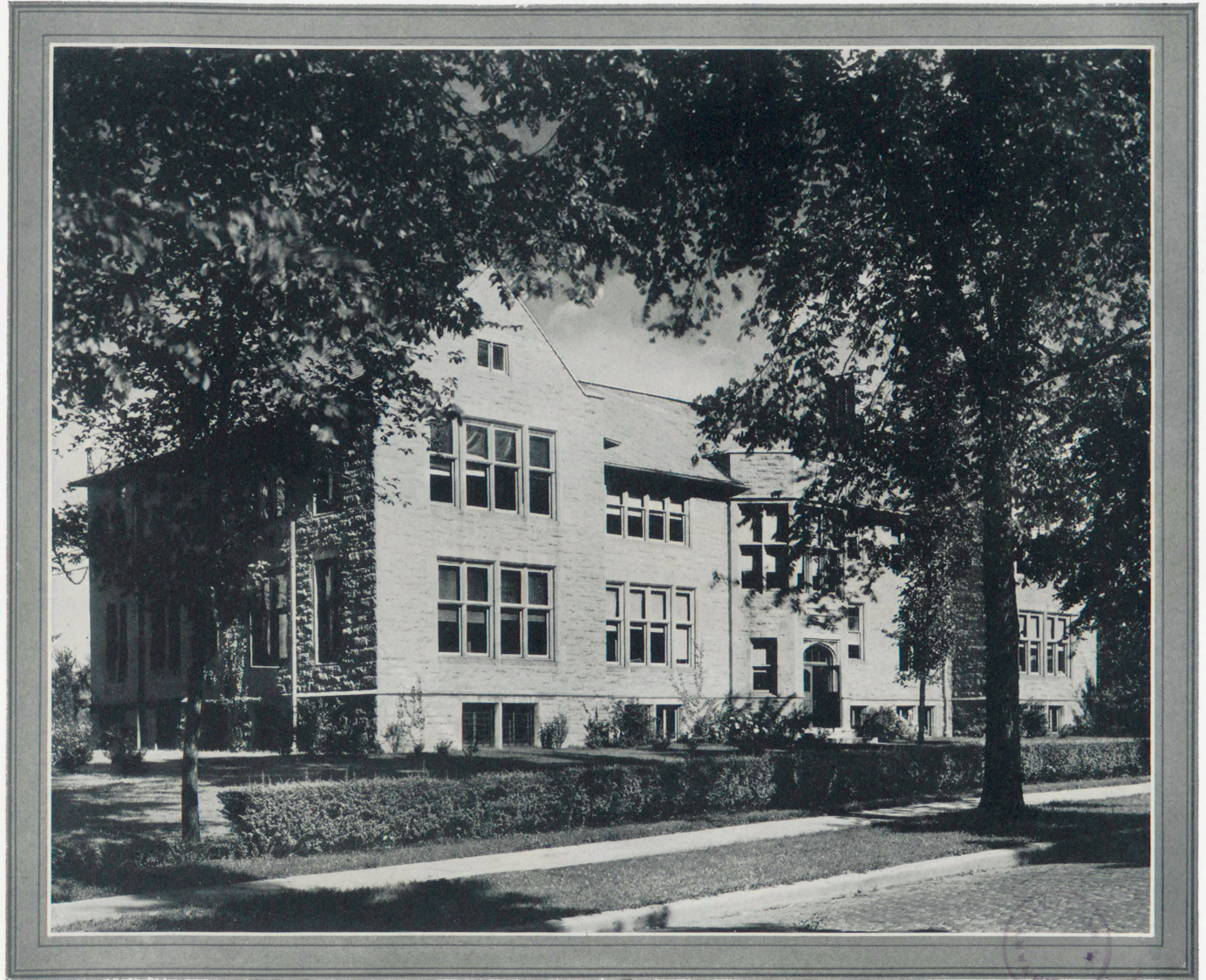


WHITTEN HALL

The Departments of Horticulture and Entomology are housed here.

A large apiary is provided for students studying beekeeping. There is also a collection of economic insects containing many thousand species.

In this building are laboratories for plant propagation, research, spraying, grading and packing fruits and vegetables, and storage rooms for cuttings, bulbs, stocks, and scions.





VETERINARY BUILDING

The laboratories, operating rooms, offices, and museum of the Department of Veterinary Science are in this building.

A plant for the manufacture of anti-hog-cholera serum is located on a 90-acre farm 2 miles from Columbia. This plant has a capacity for manufacturing 50,000,000 c.c. of anti-hog-cholera serum annually. A continuous laboratory service to Missouri stockmen and veterinarians in the diagnosis of livestock diseases is maintained by the staff of the Department of Veterinary Science.



PHYSICS BUILDING

Science is the basis of all modern agricultural practices.

The College of Agriculture, located with a great University, offers its students an unusual opportunity to study the fundamental sciences underlying agriculture. Large buildings and well equipped laboratories are available for instruction in botany, chemistry, physics, zoology, and geology. The College of Agriculture is located approximately in the geographical center of the State. U. S. Highways 40 and 63 pass through Columbia. The Wabash and M. K. and T. railroads also enter Columbia.





LEFEVRE HALL

The laboratories and classrooms for instruction in botany and zoology are in this building.

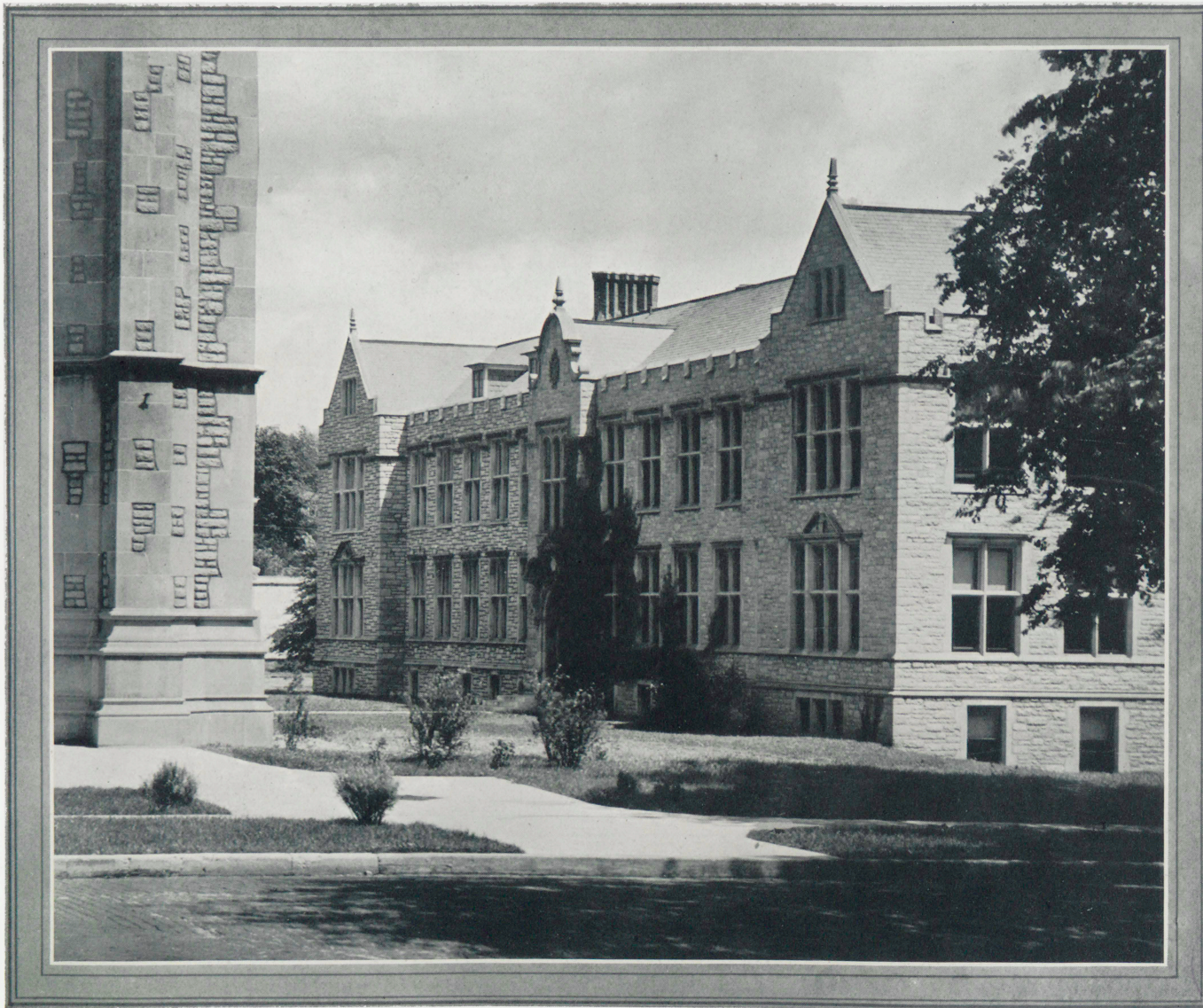
The Missouri Agricultural Experiment Station is located with the College of Agriculture and students have the opportunity of securing first hand information concerning new agricultural discoveries. Hundreds of thousands of agricultural bulletins are distributed annually to those requesting them. These bulletins contain the results of investigations carried on by the Agricultural Experiment Station.

AGRICULTURAL
ENGINEERING
LABORATORIES

With the coming of modern farm machinery a knowledge of the care and operation of this machinery is essential to successful farming.

This building contains metal and wood-working shops, gas engines, and tractor laboratories. Another building containing drafting room, farm lighting plant laboratories, and the offices of the department is used by the Department of Agricultural Engineering.





GWYNN HALL

Gwynn Hall, the home of the Home Economics Department, is used for instruction in all lines of homemaking activities. These include Foods and Nutrition, Home Care of the Sick, Clothing and Textiles, House Furnishing, Home Sanitation, Dress Design, Home Management and Home Care and Training of Children.

There is an ever increasing demand for home economics trained women as teachers, extension workers, home economics journalists, dietitians, research workers, tearoom managers and in the social service and business fields.

THE LIVE STOCK
JUDGING
PAVILION

The difference between profit and loss is sometimes in the kind of live stock. To know the efficient from the inferior is essential to success. Live stock judging teaches this.

Each year students trained at the University in Live Stock Judging compete with students from other institutions in live stock judging contests at the American Royal, International Live Stock and other Shows. Their records have in many cases brought distinction to them and to the institution. Over 500 class meetings are held in this building each year and all of the live stock equipment of the College is used in this work.





BEEF CATTLE BARN

This barn will house 100 head of cattle, and a winter's feed supply for this number.

The beef cattle herd consists of 75 head of purebred cattle of the Hereford, Shorthorn, and Aberdeen Angus breeds.

Annual live stock judging contests are held for Long and Short Course students. The winners are awarded medals donated by prominent live stock men of Missouri, and trips to the National Stock Yards at East St. Louis.



HORSE BARN

Forty horses can be comfortably accommodated in this barn.

Thirty pure bred horses of the Percheron, American Saddle, and Standard bred breeds are maintained by the College of Agriculture. These horses do the work on the University Farm. The College of Agriculture owns a 500-acre general farm, an eighty-acre fruit farm and a 90-acre farm for the manufacture of anti-hog-cholera serum. In addition to this the Department of Animal Husbandry rents a 330-acre farm for grazing and cropping purposes.





DAIRY BARN

This barn has stanchions and box stalls accommodating 75 animals. There are two 125-ton concrete silos. The milk room is modern and well equipped.

The dairy herd is made up of approximately 120 head of pure bred animals of the Jersey, Holstein, Guernsey, and Ayrshire breeds. Of the cows bred and raised in the herd, 37 have produced over 700 pounds of butter each in a year, including 13 above 800 pounds and 3 above 900 pounds. Eleven cows have produced over 20,000 pounds of milk each in one year.



DAIRY CATTLE JUDGING

Among the students trained in Dairy Cattle Judging are several of the leading dairy cattle judges of the United States.

Dairy cattle judging teams representing the University of Missouri compete annually in intercollegiate judging contests, and have won approximately 20 per cent of the scholarships and other prizes for which they have competed. The policy established by the College many years ago was to purchase a few foundation animals and thereafter to build its herd by the use of good sires. The entire herd is Federal Accredited as free from tuberculosis, and it is free of infectious abortion.





FITTING A STEER FOR THE SHOW RING

Those who intend to exhibit live stock at county, state, and national fairs find this training of great value. The College of Agriculture teaches the best methods of crop production, the best systems of live stock management and efficient methods of marketing.

Much land in Missouri can be best utilized as live stock pasture. Experiments with the various kinds of live stock and methods of handling them are constantly in progress at the University and students are kept in close touch with this work and its results.



SPRAYING APPLE TREES

Students are given actual practice in the making, mixing, and application of various sprays. The use and care of spraying machinery is also taught.

Many of the soils in Missouri are particularly well adapted to fruit growing. The trained fruit grower who can produce large quantities of high grade fruit will develop a very profitable enterprise. The College of Agriculture offers such training.





GRADING AND PACKING APPLES

Students are taught to grade and attractively pack fruit so as to command the highest market price.

The College maintains an 80-acre orchard on the fertile loess soil near the Missouri River at Turner Station six miles south of Columbia. Many new experimental varieties of fruit, in addition to the standard varieties, are being produced in this orchard. Over 250 different varieties of fruit are grown in the orchards and over 1,000 different species of plants are available for study.



PROPAGATING PLANTS IN THE GREENHOUSES

The greenhouses cover 15,000 square feet and the hot beds and cold frames over 1,000 square feet.

Students who are interested in vegetable forcing, floriculture, and landscape gardening must have a knowledge of plant propagation and greenhouse management. The greenhouses are also used for horticultural investigations under controlled conditions of light, temperature, and moisture.





SAMPLING SOIL

Within walking distance of the College of Agriculture is a great diversity of soil types, varying from the glacial soils of the North to the residual limestone soils of the South.

Sanborn Field, established in 1888, one of the oldest soils experiment fields in the country, is used for the instruction of students and for investigations in soil management, crop rotation, and crop fertilization. Laboratory facilities for accommodating 75 students at one time are available.



MARKET MILK

Special study is given to the many problems concerned in the care and handling of milk from the time of production until delivery is made to the consumer.

Creamery equipment includes Cherry and Wizard pasteurizers, automatic bottle filler, power clarifiers, and separators, Disbrow and Perfection churns, complete testing equipment, a 50-quart Cherry ice cream freezer, a standardizer, a Gaulin homogenizer, ice cream emulsors, and a 16-ton York refrigerating system complete with cooling room.



LIBRARY



ICE CREAM MAKING

The manufacture of ice cream, ices, sherbets, freezing and sale of ice creams are taught on a commercial basis. The creamery handles market milk, manufactures ice cream, butter, and other by-products.

A special eight weeks short course, offered each year during January and February, trains men for responsible positions in plants, making ice cream, butter, cheese and handling market milk. A number of students help pay their way through school by working in the Dairy Husbandry Department.

A CLASS IN DRESS DESIGN

Order and beauty are essential in every home. Training in Home Economics includes several courses in Applied Art.

Becoming clothing and an attractive home are possible even to those of limited income if they but understand the simple art principles. Courses in Dress Design, House Furnishing and Elementary Design all contribute to this training. Clothing specialists are in demand and those who are well trained in this field find attractive positions awaiting them.



UNIVERSITY OF CALIFORNIA
LIBRARY



A DIETETICS CLASS AT WORK

Feeding the family is a major responsibility of all homemakers. The planning of meals to suit the needs of children, adults and the aged, the sick and the well, the selection, preparation and service of these foods and the training of the members of the family group in the formation of the best eating habits are all essential. Home Economics students are trained to meet these responsibilities.

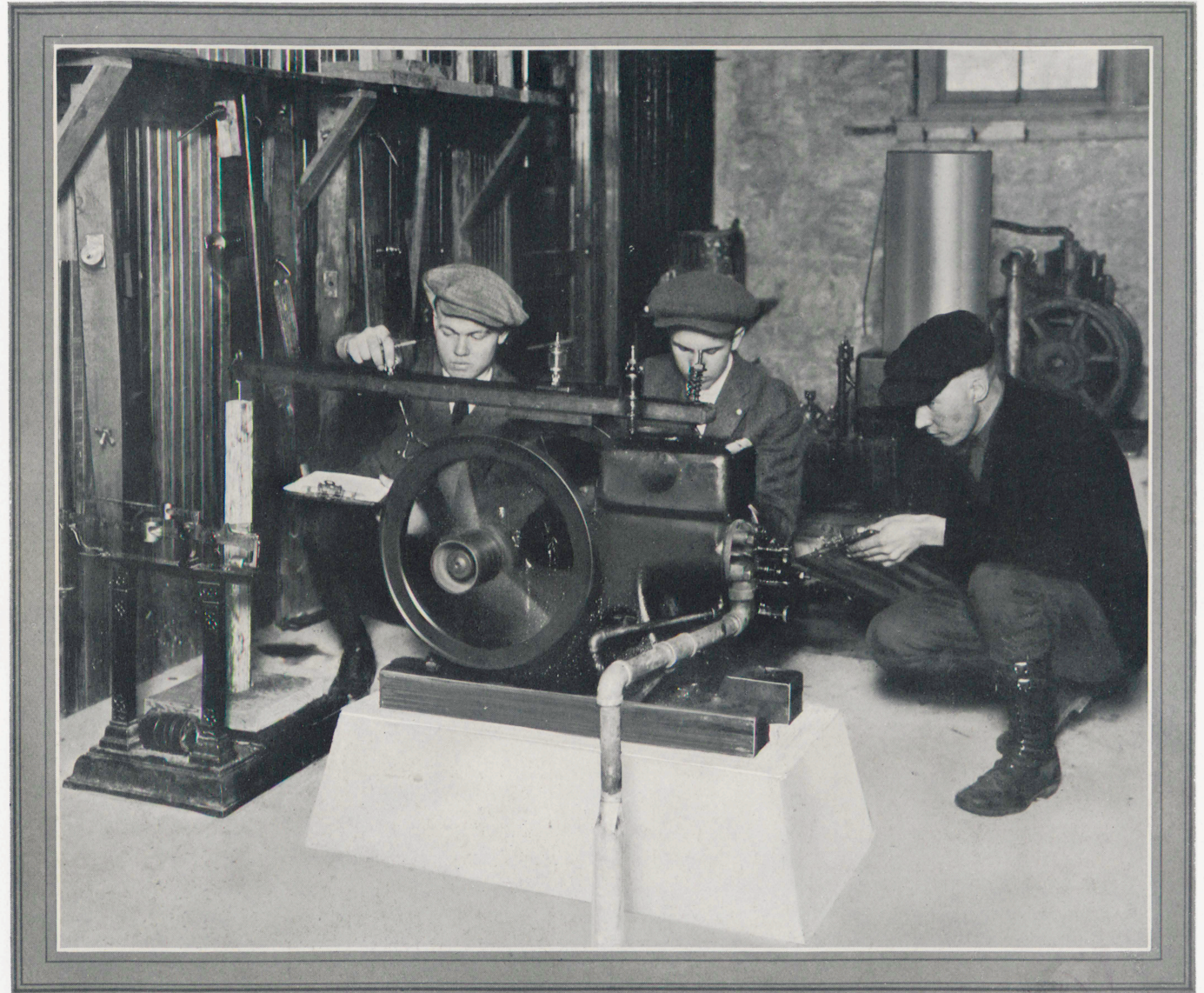
Additional training in foods and nutrition is given students interested in dietetics, research in nutrition, and extension work.



A POWER TEST ON A FARM GAS ENGINE

For instruction in gas engines and tractors the laboratory is equipped with 20 stationary and portable gasoline and oil engines and 10 of the newest types of tractors with suitable equipment for operating and testing them. Students are taught how to care for and operate all the principal types of farm machinery and tractors.

They are also taught how to lay out ditches and tile drains and how to terrace rolling lands to prevent erosion.





A STUDENT FEED- ING HOGS

Between four and five hundred head of swine are maintained by the College of Agriculture. They are used for the instruction of students, for investigational work, and for the manufacture of anti-hog-cholera serum. The breeding herds are composed of purebred animals of the Duroc Jersey, and Poland China breeds.

The feeding of hogs is an important enterprise where a large amount of corn is grown. A knowledge of balanced rations and the control of swine diseases insure success in feeding swine.

JUDGING POULTRY

Fifteen hundred birds of the breeds commonly found in Missouri are used for instruction and investigation in poultry raising. There are over 50 poultry houses, both large and small, used for instruction and experimental work.

Advanced students are assigned separate flocks and houses. Farmers realize that poultry will pay good returns if their flocks receive good care. The best systems of poultry flock management are taught by the College of Agriculture.





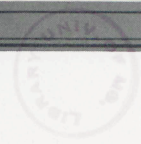
PERCHERON HORSES

These four Percherons were bred and owned by the College of Agriculture. They have been fitted for show by students. There are 20 head of purebred Percheron horses used for instruction, investigation, and work on the University Farm. Records of breeding, labor, feed and other costs on horses are kept and students study these in relation to the business of farming. On many farms horses will always be the cheapest and most useful source of power.

HEREFORDS ON THE UNIVERSITY FARM

There are many acres of grazing land in Missouri. Greater returns may be realized from this land by the use of efficient, well bred live stock.

Students who have specialized in live stock raising are taught how to read, trace, and use pedigrees of the various breeds of live stock. This knowledge enables them to select more efficient individuals. The selection, feeding, and care of live stock is an art which requires training and experience. Students are taught the best practices of live stock farm management.



COURSES OF STUDY

The College of Agriculture, University of Missouri offers two groups of courses, (1) the Four Year Courses leading to the degree Bachelor of Science in Agriculture and (2) the Short Winter Courses in Agriculture. These courses are designed to fit the needs of any young man or woman who intends to live on a farm or who intends to go into some business related to farming.

The Four Year Courses in Agriculture are offered in five different groups: (1) the Four Year Course in Agriculture for Men, (2) the Four Year Course for the Training of Teachers of Vocational Agriculture, (3) the Four Year Course in Agriculture for Women, (4) the Four Year Course in Home Economics, and (5) the Four Year Course in Agricultural Journalism. In order to enroll in any of the Four Year Courses students must be graduates of accredited high schools. An announcement of the Four Year Courses and a general catalog of the University which contain detailed information concerning these courses will be sent to anyone upon request.

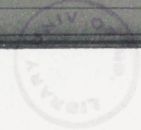
The Short Winter Courses in Agriculture are short courses offered during the winter months, November, December, January and February, the time when farm work is least pressing. They are designed to offer a large amount of practical agricultural training in a short time and at a low cost. A high school education is not required for entrance. The work is divided into four terms, each of 7 to 8 weeks' duration, requiring two winters to complete the entire course. Students may also enroll for one term only and select subjects in which they are especially interested. A special illustrated announcement of the Short Course will be sent to those requesting it.

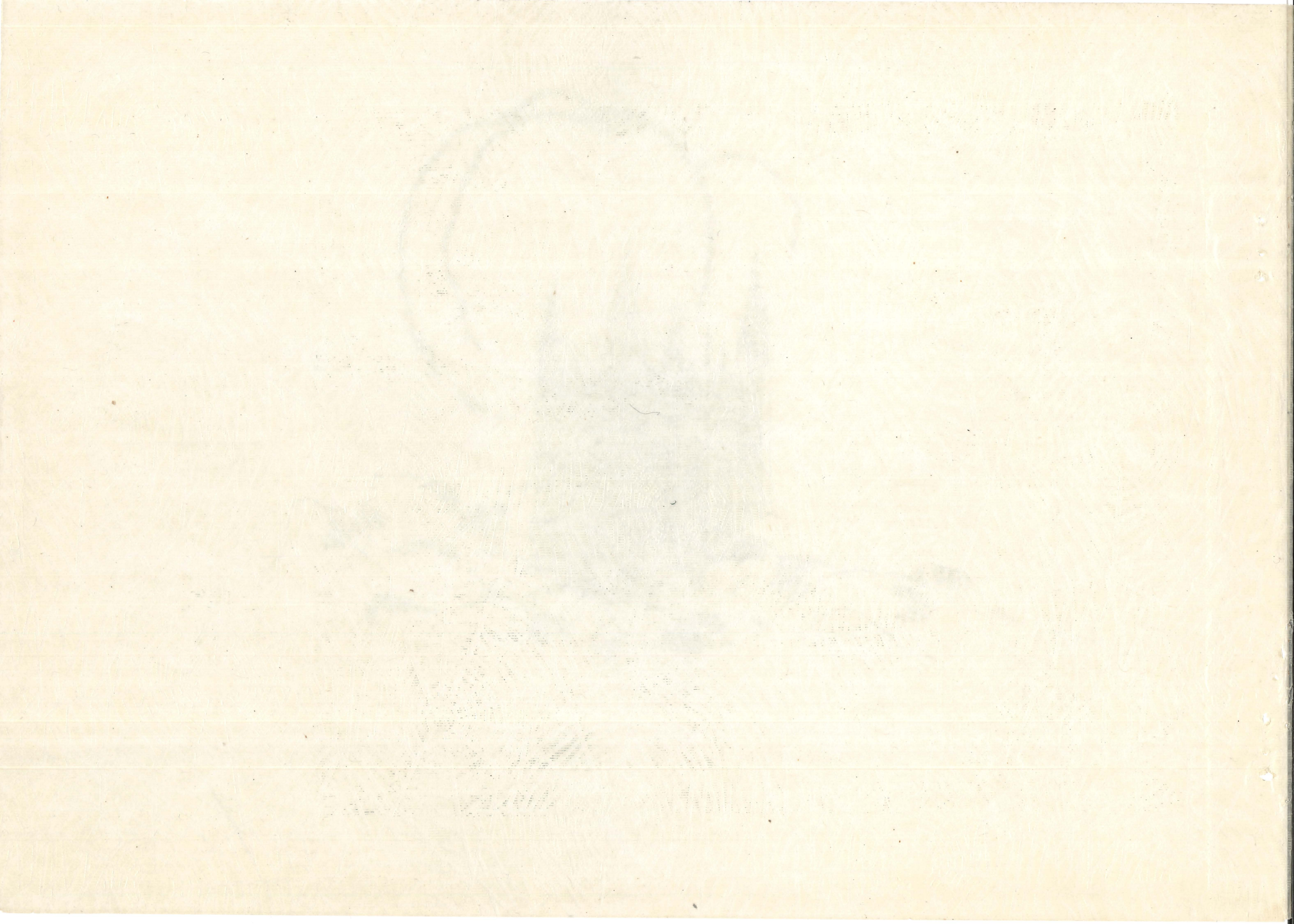
Address all inquiries to the College of Agriculture, University of Missouri, Columbia, Missouri.

SHEEP ON THE UNIVERSITY FARM

The sheep herd is made up of 100 head of purebred sheep of the Shropshire, Hampshire, Southdown, and Dorset Horn breeds.

Two hundred eighty separate courses for both Long and Short Course students are offered each year by the College of Agriculture. By selection from these courses students may specialize in any line of agriculture commonly practiced in Missouri. Each year a Farmers' Week is held at the College of Agriculture. These meetings usually last for four days and farmers from all sections of the Middle West attend.







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University of Missouri - Columbia



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