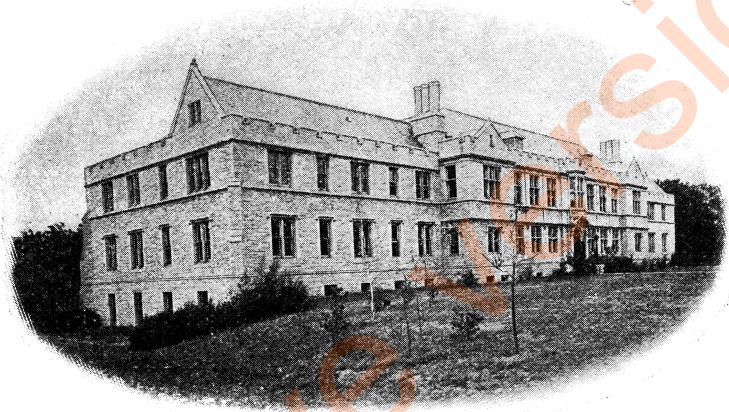


UNIVERSITY OF MISSOURI

COLLEGE OF AGRICULTURE

Agricultural Extension Service

A. J. MEYER, SECRETARY



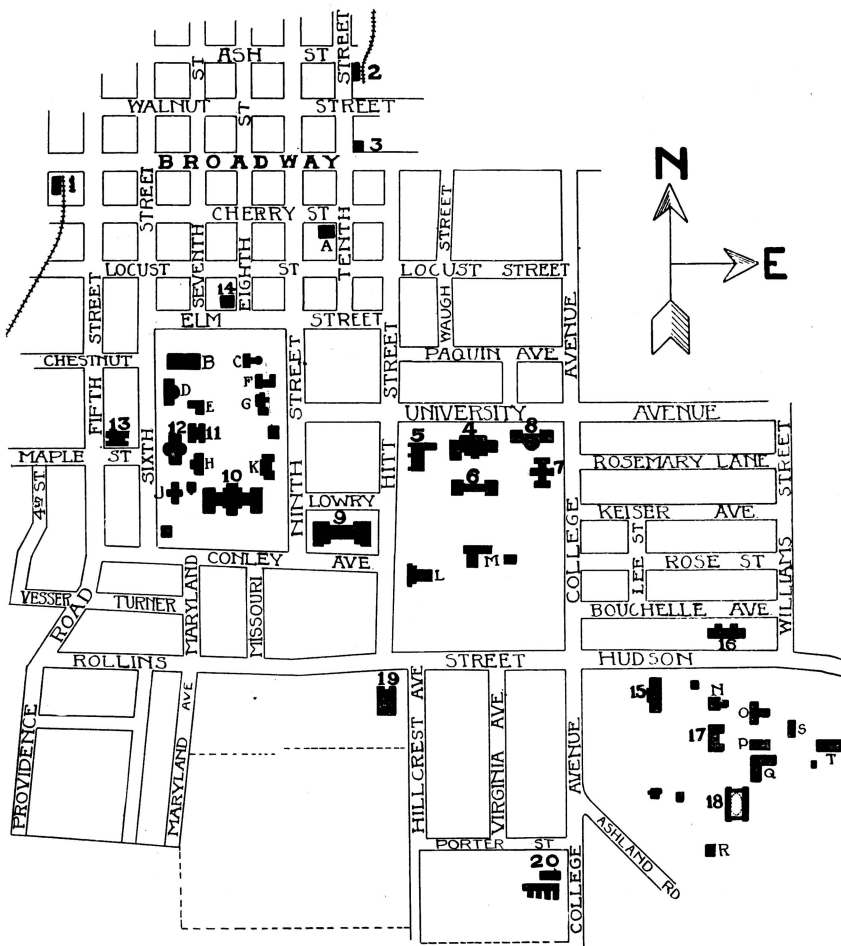
FARMERS' WEEK HEADQUARTERS

Farmers' Week January 3 - 7, 1916

Project Announcement No. 6

Columbia, Missouri
December, 1915

A Guide to Farmers' Week Visitors



1. M. K. & T. Depot. 2. Wabash Depot. 3. Commercial Club rooms where farmers should go for rooms and boarding places. 4. Agricultural Building where Farmers' Week visitors will register. 5. Horticultural Building. 6. Physics Building. 7. Schweitzer Hall. 8. Biology Building. 9. New Library Building. 10. Academic Hall. 11. Engineering Building. 12. Lathrop Hall—the University Cafeteria. 13. Mechanic Arts Building, wood and iron working shops. 14. University Y. M. C. A. Building. 15. Dairy Building. 16. Veterinary Building. 17. Machinery Building. 18. Live Stock Judging Pavilion. 19. Rothwell Gymnasium. 20. University Poultry Farm.

Farmers' Week

The University of Missouri presents herewith the complete schedule of the Farmers' Short Course together with announcements of the meetings of various state associations and a forecast of the evening programs—all making up what is fitly known as "Farmers' Week."

The Farmers' Short Course is given by the Missouri College of Agriculture assisted by several other divisions of the University and a number of men from Missouri and other states who have been selected because of their special fitness to present certain phases of agriculture which demand the attention of Missouri farmers. The Farmers' Short Course will occupy the hours from 8:00 a. m. to 3:00 p. m. daily, January 4, 5, 6, 7, 1916.

Twenty state associations will hold their annual meetings at the University as a part of Farmers' Week. Each association will have its own program dealing with the specific interests of its own members. Most of the association programs will be held after three o'clock in the afternoon.

The evening programs will be, as they have been in the past, under the direction of the Missouri State Board of Agriculture. The tentative list of speakers announced in this leaflet indicates the high quality of the State Board's contribution to Farmers' Week.

A closing Farmers' Week banquet has for ten years been one of the outstanding social features of the occasion. The University is making plans to repeat this feature at the close of the 1916 Farmers' Week. The day is Friday, January 7—the hour, early enough to enable all who attend, and who so desire, to leave Columbia on the evening trains connecting with all points east, west, north and south.

Arrangements have been made that all persons who attend Farmers' Week at the University of Missouri may register at the offices of the State Board of Agriculture. It is earnestly desired that all Farmers' Week visitors register and receive the official 1916 Farmers' Week badge.

The Commercial Club of the City of Columbia will, as in former years, act as host to the visiting farmers of Missouri and other states who come to the 1916 Farmers' Week. An information bureau with a clerk in attendance day and night during Farmers' Week will be

maintained at the Commercial Club rooms, convenient to both city depots. (See map on inside of front cover.) Lists of available rooms will be obtained in advance and persons attending Farmers' Week may go to the Commercial Club Information Bureau with assurance of being directed to convenient and satisfactory rooms and boarding places. The badges given to all persons who register during Farmers' Week are supplied by the Columbia Commercial Club.

The Agricultural Club, composed of the students of the four-year course in agriculture, cooperating with the Short Course Club, made up of students in the Two Year Winter Course, will provide a systematic guide service to meet all trains and guide strangers to rooming or boarding places, to the University campus, or to any place in the city to which they may wish to go.

Following the custom of former years, the College of Agriculture will issue a "Daily Announcer" which will give from day to day the complete program with information as to the rooms and buildings in which the different lectures and demonstrations will be held. The "Daily Announcer" will be distributed at each evening meeting for the day following. Copies will also be available at the information bureau in the main corridor of the Agricultural Building.

The attention of every Missouri farmer is called to the fact that the University offers a special Short Course in Home Economics for women. Your wife needs a vacation as much as you do. She will enjoy the short course which has been prepared especially for her. Bring her to Columbia, Farmers' Week.

A special feature of Farmers' Week this year is the short course for rural preachers outlined in this announcement. This course will deal with the problems of the rural pastor and fix the place of the country church as a part of country living, closely related to the farm and the farm home. The course will be of interest not only to rural pastors but to others who are making a study of the rural life problem.

Farmers' Short Course

SHORT COURSE IN ANIMAL HUSBANDRY AND VETERINARY SCIENCE

Discussions led by: F. B. Mumford, Professor of Animal Husbandry, Dean of the College of Agriculture and Director of the Agricultural Experiment Station; E. A. Trowbridge, Professor of Animal Husbandry; J. W. Connaway, Professor of Veterinary Science; H. O. Allison, Associate Professor of Animal Husbandry; F. G. King, Associate Professor of Animal Husbandry, Indiana College of Agriculture; H. Hackedorn, Assistant Professor of Animal Husbandry; L. A. Weaver, Assistant Professor of Animal Husbandry; J. B. Gingery, Superintendent Hog Cholera Serum Laboratory; L. S. Backus, Assistant Professor of Veterinary Science; E. H. Hughes, Assistant Professor of Animal Husbandry; S. T. Simpson, Extension Assistant Professor of Animal Husbandry; F. L. Bentley, Assistant in Animal Husbandry; A. J. Durant, Assistant in Veterinary Science; J. C. Knollin, President, Shropshire Breeders' Association; J. Kelley Wright, Institute Lecturer, Missouri State Board of Agriculture.

THE SCHEDULE

Tuesday, January 4, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

SOME FACTORS IN LIVE STOCK IMPROVEMENT...MR. TROWBRIDGE

A discussion of present day agricultural conditions which necessitates the use of improved live stock, together with some practical means of improvement including heredity, feed, care and management, prolificacy, selection and the use of good sires. Illustrative instances will be taken from farm records on herds and flocks.

9:30 to 10:30 a. m.

SYSTEMS OF SHEEP PRODUCTION MR. HACKEDORN

Various systems of sheep production with particular reference to time of lambing, care of lambs in order to have them ready

for market when daily receipts are not heavy and prices comparatively high; lamb production on Missouri farms, and some factors in management that can be converted into profit will be discussed.

10:30 a. m. to 12:00 m.

THE FUTURE OF THE SHEEP BUSINESS MR. KNOLLIN

Mr. Knollin is one of the most extensive operators in the American Sheep industry. His discussion will include conditions affecting sheep production in America, present day tendencies and the probable future of the demand for mutton, together with methods of production and districts best adapted to sheep husbandry.

TUESDAY AFTERNOON

1:30 to 3:00 p. m.

PARASITES AND METHODS OF ERADICATION MR. BACKUS

Lecture, illustrated with lantern slides and preserved specimens, treating of conditions favorable for the development of parasites. Methods of control and extermination of both external and internal parasites of the various domestic animals will also be discussed.

1:45 to 4:00 p. m.

TRIP TO HOG CHOLERA LABORATORY MR. GINGERY

The purpose of this trip will be to demonstrate the methods of manufacture and production of hog cholera serum and the means of control of hog cholera infection. Visits will be made to the hyper-immune hog barns, serum laboratories, virus laboratories, and infection pens on the State Serum Farm.

The State Serum Farm is located on the Wabash railroad, a few minutes run out of Columbia. One-way fare is 8 cents. Persons who desire to take part in this demonstration will take the regular train leaving the Wabash depot at 1:45 p. m. The return train will leave the State Serum Farm at 3:35 p. m. The Wabash Railroad has courteously consented to run a special train Friday morning at 9:30 returning at 11:30 or 12:00 if a considerable number of farmers who arrive after Tuesday desire to visit the State Serum Farm. Small parties can use the regular train service.

Wednesday, January 5, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

A SILO AS FARM EQUIPMENT MR. WRIGHT

Some facts concerning the number of silos in Missouri and other states; economic factors which have forced the general use of silage and its relative use and value for different classes of animals.

9:30 to 10:30 a. m.

PRODUCTION OF BEEF CALVES MR. ALLISON

A discussion of the conditions necessary to the profitable production of beef calves in the corn belt.

10:30 a. m. to 12:00 m.

LIVE STOCK DEMONSTRATION

ANIMAL HUSBANDRY AND DAIRY HUSBANDRY DEPARTMENTS

A parade of live stock including horses, dairy cattle, beef cattle, and sheep owned by the University of Missouri, College of Agriculture, will be given at this period. The parade will be organized by units and announcers will tell the story of each individual or group of individuals. The purpose of the demonstration will be not alone to show the high quality of the live stock owned by the University of Missouri but to tell the story of how this stock has been produced, largely by skill in breeding and live stock management.

AFTERNOON SESSION

1:30 to 3:00 p. m.

FATTENING CATTLE IN WINTER MR. KING

The effect of prices of land, size of farms and other important factors upon the kind and number of cattle fed, fertility maintenance, the utilization of farm-grown roughness, and the value of silage as a part ration will be discussed. Supplements for corn and other suggestions concerning the practical feeding of cattle to yield a profit will be considered.

Thursday, January 6, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

AGE AS A FACTOR IN BREEDING SWINE MR. MUMFORD

Breeding young or immature animals is believed by some to retard the growth of the young mother and to reduce permanently the size of the mature animal and decrease the size of the breed. Careful experiments covering a period of six years will be described in reference to their bearing on this subject.

9:30 to 10:30 a. m.

MISSOURI SWINE FEEDING EXPERIMENTS 1915 MR. WEAVER

This period will be devoted to a discussion of the results obtained from swine feeding experiments conducted at the Missouri Station during 1915. The use of forage crops for swine, the residual effect of forage crops, the use of self-feeders for fattening swine, and other methods which may be used to cheapen the cost of production will be discussed.

10:30 a. m. to 12:00 m.

FARM SANITATION AND DISEASE CONTROL

MR. CONNAWAY, MR. GINGERY and MR. DURANT

Short talks will be given on the practical phases of farm sanitation and disease control: how disease is spread and how to prevent disease by proper sanitary measures, quarantine methods, methods of disposing of diseased carcasses and the use of disinfectants. A tuberculosis cow, a cow infected with contagious abortion, cholera infected hogs, a calf affected with black leg, a colt with distemper, and chickens suffering from roup will be used in the demonstrations.

AFTERNOON SESSION

1:30 to 2:30 p. m.

PREPARATION OF CORN FOR HOGS MR. KING

This will be a discussion of experimental work which has a bearing upon the preparation of corn for fattening hogs; results of feeding animals of different ages with shelled corn, ground corn, and corn on the ear; and also deals with the use of self-feeders

and the cooking of feeds. The data here discussed throws some very definite light upon the preparation of corn for hogs of different ages and in different conditions of flesh.

Friday, January 7, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

USES OF PROTEIN IN ANIMAL FEEDING MR. ALLISON

A discussion of the composition of feeding stuffs and the animal body with particular reference to the importance of protein; Some reasons for feeding balanced rations.

9:30 to 10:30 a. m.

SILAGE FOR HORSES MR. HUGHES

A discussion based on feeding experiments conducted at the Missouri Station together with information gathered from men who have used silage as a horse feed. The adaptability of various kinds of silage as a feed for horses, the amount consumed and the conditions under which best results are obtained from its use will be considered.

10:30 a. m. to 12:00 m.

PROFITABLE TYPES OF HORSES AND MULES

MR. TROWBRIDGE and MR. HUGHES

A judging room demonstration using specimen material. Types of light and draft horses and mules will be discussed. Specimen animals for the work will be selected from the University stud and from the best available privately owned studs.

AFTERNOON SESSION

1:30 to 3:00 p. m.

CONTAGIOUS ABORTION AND OTHER CAUSES OF BARREN-

NESS MR. CONNAWAY and MR. BACKUS

(1) Brief talks on causes, diagnosis and measures of prevention and cure; (2) practical demonstration of physical examination of barren cows, and method of surgical treatment; (3) demonstration of laboratory test for contagious abortion.

Preserved specimens of the generative organs of cows, showing normal and diseased condition, will be exhibited and explained.

SHORT COURSE IN SOILS AND CROPS

Discussions led by: M. F. Miller, Professor of Soils; L. F. Childers, Extension Associate Professor of Soils; R. R. Hudelson, Assistant Professor of Soils; C. A. LeClair, Assistant Professor of Soils; C. B. Hutchison, Professor of Farm Crops; P. B. Barker, Extension Associate Professor of Farm Crops; J. C. Hackleman, Assistant Professor of Farm Crops; E. M. McDonald, Assistant Professor of Farm Crops; P. F. Trowbridge, Professor of Agricultural Chemistry; G. M. Reed, Professor of Botany; L. Haseman, Associate Professor of Entomology; T. J. Talbert, Extension Assistant Professor of Entomology.

THE SCHEDULE

Tuesday, January 4, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

THE MOISTURE OF THE SOIL AND ITS MOVEMENTS.

Illustrated MR. LECLAIR

A demonstration showing how to make the greatest use of the moisture in the soil by proper crop management and cultural methods. Specimens of plants showing the underground parts, together with actual soil models will be used to illustrate how cultural methods may or may not permit the land to take up and return to the crop its maximum supply of moisture. Full opportunity for individual discussion will be allowed.

9:30 to 10:30 a. m.

GROWING AND HANDLING SOYBEANS MR. HACKLEMAN

This will be a general discussion of the production of soybeans, the value of the crop, its place in the rotation, the best varieties and the best cultural practices. Some time will also be spent on a discussion of soil adaptation and inoculation for the soybeans.

10:30 a. m. to 12:00 m.

THE PLACE OF TILE DRAINAGE IN MISSOURI AGRICULTURE MR. MILLER

A lecture dealing with the effects of under-drainage on the soil, the relation of under-drainage to soil types and to land values, the lands in Missouri on which tiling is advisable and the cost of installing drainage systems. The lecture will be illustrated by photographs and apparatus showing the working of tile drains.

AFTERNOON SESSION

1:30 to 2:15 p. m.

CROPS TO PLANT ON OVERFLOW LANDS MR. BARKER

The past summer was such that this subject is one of timely consideration and serves to emphasize the importance of catch crops which are most simple for overflow lands after the crops of corn, wheat or oats have been destroyed by the water. Such crops as soybeans, cow peas and sorghums will be duly considered. Catch crops and the catch crop system will be discussed.

2:15 to 3:00 p. m.

SOME NEW CROPS FOR MISSOURI (Sweet Clover and Sudan Grass) MR. McDONALD

Sweet clover and sudan grass are of recent introduction and use as field crops in Missouri. It seems probable that they may find an important place in our agriculture. This discussion will deal with their nature, culture and use.

Wednesday, January 5, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

WHY CROP ROTATION IS IMPORTANT MR. HUTCHISON

When land is new and in a virgin state of fertility, continuous cropping to a single crop may be profitable. As lands grow older and become less productive, a change of crops in definite order becomes necessary in order to maintain crop yields. The gross returns from ordinary farm crops are relatively so small that the continued profitable production of such crops is primarily dependent upon making the plant food in the soil available rather than upon supplying it in the form of commercial fertilizers or manure. The cropping system in a large measure controls crop yields by influencing the amount of plant food made available in the soil and by aiding in the control of insect pests and fungous diseases. This period will be occupied with a discussion of details upon which the foregoing statement is based.

9:30 to 10:30 a. m.

LIME AND LIMING MR. HUDELSON

In this lecture will be presented the results of liming experiments carried out on experiment fields at various points in the state during the past ten years. Costs of liming together with actual results secured and methods of handling will be presented. Lantern slides and charts will be used for illustration.

10:30 a. m. to 12:00 m.

PLANNING THE CROPPING SYSTEM MR. HUTCHISON

No single rotation can be said to be the best one for all farms. Each individual farm presents its own problems. The proper rotation for any farm depends upon the kind of farming one is doing, whether grain or livestock or both, upon the size of the farm, the number and layout of the fields, the fertility of the soil, and other factors. To establish and maintain a good rotation is one of the most difficult problems of the farm. An attempt will be made in this period to establish certain uniform principles which are applicable to the various systems of farming followed in Missouri.

AFTERNOON SESSION

1:30 to 5:00 p. m.

Program of the Missouri State Corn Growers' Association will take the place of the Short Course schedule.

Thursday, January 6, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

MANURE VERSUS COMMERCIAL FERTILIZERS MR. MILLER

A lecture having to do with the return secured from barnyard manure and commercial fertilizers on the various experiment fields being maintained by the Experiment Station, and the relation of the use of commercial fertilizers and barnyard manure to the maintenance of soil fertility.

9:30 to 10:30 a. m.

THE CHINCH BUG MR. HASEMAN

An illustrated lecture dealing with the chinch bug problem in Missouri and some of the other more important pests of field crops.

10:30 a. m. to 12:00 m.

SYSTEMS OF SOIL MANAGEMENT FOR MISSOURI .. MR. CHILDERS

A lecture having to do with the relation of types of farming to the maintenance of soil fertility, and the system of crop management in its relation to soil management. The lecture will be illustrated by charts upon the actual conditions as observed in various parts of Missouri.

AFTERNOON SESSION

1:30 to 3:00 p. m.

ALFALFA GROWING IN MISSOURI MR. HACKLEMAN

This crop continues to attract considerable attention and is still somewhat uncertain in some localities. This discussion will deal with soil adaptations, cultural practices, and varieties of alfalfa. A discussion of the methods of inoculation and a demonstration in inoculating will be given.

Friday, January 7, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

THE FERTILIZER CONTROL WORK OF THE EXPERIMENT STATION MR. TROWBRIDGE

This will be a lecture explaining the purpose of the fertilizer control; the manner in which it is conducted, its importance to the farmer and the opportunity for greater service on the part of the stations. Opportunity for questions will be given.

9:30 to 10:30 a. m.

FUNGOUS DISEASES OF FARM CROPS MR. REED

A lecture, illustrated with actual specimens, dealing with the more important Field Crop diseases, particularly grain smuts, with special reference to their control.

10:30 to 12:00 a. m.

THE HESSIAN FLY MR. TALBERT

The Hessian fly and its different stages of development will be shown on the screen. The life history, habits, characteristics, and food plants of the insect will be carefully considered. The measures of control and the shaping of farm practices along lines unfavorable to the fly will be thoroughly discussed.

AFTERNOON SESSION

1:30 to 5:00 p. m.

DEMONSTRATION AT THE FARM MACHINERY BUILDING IN THE HANDLING OF GROUND LIME STONE FOR AGRICULTURAL PURPOSES MR. HUDELSON

A machine for grinding limestone on the farm will be in operation and a lime spreader will be used to show the most satisfactory method of getting this material on the land.

1:30 to 5:00 p. m.

Examination for Certified Corn Judges

SHORT COURSE IN DAIRY HUSBANDRY

Discussions led by: C. H. Eckles, Professor of Dairy Husbandry; L. G. Rinkle, Assistant Professor of Dairy Husbandry; J. G. Watson, Extension Assistant Professor of Dairy Husbandry; T. C. Reed, Assistant Professor of Dairy Husbandry; W. B. Combs, Assistant in Dairy Husbandry; J. W. Connaway, Professor of Veterinary and Comparative Medicine; P. M. Brandt, Assistant to the Dean and Director, formerly Extension Assistant in Dairy Husbandry; J. D. Jarvis, Former Secretary of Indiana State Dairy Association; L. S. Backus, Assistant Professor of Veterinary Medicine.

THE SCHEDULE

Tuesday, January 4, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

DAIRY HERD MANAGEMENT MR. WATSON

This period will be devoted to a discussion of the care and feeding of animals from birth to maturity; the housing of animals as to health, conveniences, etc.

9:30 to 10:30 a. m.

RATIONS FOR DAIRY CATTLE MR. ECKLES

At this period, the first of a series of three demonstrations as to the methods of calculating the value of feeds and making the cheapest ration will be given. Comparison of feeds will be the topic for special consideration at this period.

10:30 a. m. to 12:00 m.

JUDGING DAIRY CATTLE MR. REED, MR. WATSON

This period will be devoted to a demonstration in judging Jersey cattle, particular emphasis being laid on those points which indicate milk production and ability to handle large quantities of feed. Farmers will place four dairy animals and give reasons for placing.

AFTERNOON SESSION

1:30 p. m.

Southwest Jersey Cattle Breeders' Association

Wednesday, January 5, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

TYPES OF DAIRY CATTLE MR. REED

Lantern slide lecture, dealing with the selection of dairy cows. The breed characteristics of the leading breeds and their adaptability for various purposes will be considered.

8:30 to 10:00 a. m.

CREAM GRADING MR. JARVIS, MR. RINKLE

Demonstrations on grading cream will be given and each individual will be given an opportunity to grade several samples of cream himself. The relation of flavors in cream to the quality of the butter will be demonstrated through butter samples made from different lots of off-flavored cream.

9:30 to 10:30 a. m.

RATIONS FOR DAIRY CATTLE MR. ECKLES

A discussion of problems on rations given out at the Tuesday meeting will be discussed. Calculations of comparative values of feeds at market prices will be the subject of the hour. Problems on comparative values of feeds will be given out to be reported on at the Thursday meeting.

10:30 a. m. to 12:00 m.

LIVE STOCK DEMONSTRATION

DAIRY HUSBANDRY AND ANIMAL HUSBANDRY DEPARTMENTS

A parade of live stock, including horses, dairy cattle, beef cattle and sheep owned by the University of Missouri, College of Agriculture. The parade will be organized by units, and announcers will tell the story of each individual or group of individuals. The purpose of the demonstration will be not alone to show the high quality of the live stock owned by the University of Missouri but to tell the story of how this stock has been produced, largely by skill in breeding and live stock management.

10:30 to 12:00 m.

BUTTER SCORING MR. RINKLE, MR. JARVIS

Demonstration, followed by practice in scoring by those present. Each creameryman will personally score and give his judgment.

ment on a number of samples of butter, especially prepared for this purpose.

AFTERNOON SESSION

1:30 to 3:00 p. m.

SALT AND MOISTURE TESTING MR. RINKLE, MR. COMBS

Creamerymen will be given an opportunity to conduct tests by the different practical creamery methods on samples of butter of varying moisture and salt content. Special samples of butter, and butter used in the Dairy Association Contest, will be available for this practice.

1:30 p. m.

MISSOURI HOLSTEIN BREEDERS' ASSOCIATION

Address, JOHN B. IRWIN, Minneapolis, Minn., Breeder of Holstein Cattle.

Thursday, January 6, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

BUSINESS MANAGEMENT OF A DAIRY HERD MR. WATSON

A discussion of the value of pure bred stock, the keeping of records, of yield and cost of production, marketing and other problems of interest.

8:30 to 10:30 a. m.

CREAM GRADING MR. JARVIS, MR. RINKLE

This will be a continuation of the instruction begun at 8:30 to 10:00 on Wednesday.

9:30 to 10:30 a. m.

CALCULATION OF RATIONS MR. ECKLES

A demonstration of the use of feeding standards and tables. A discussion on the problems in feeding given out the previous day will be taken up.

10:30 a. m. to 12:00 m.

FARMERS' CONTEST, JUDGING DAIRY CATTLE

MR. WATSON, MR. REED

Judging of classes of Jerseys, Holstein and Ayrshire cows, by

the audience. When the placing is completed, the animals will be discussed and reasons given for the placings.

10:30 a. m. to 12:00 m.

BUTTER SCORING MR. RINKLE, MR. JARVIS
Demonstration followed by practice in which each creameryman personally score and give his judgment on a number of samples of butter, especially prepared for this purpose.

AFTERNOON SESSION

1:30 to 3:00 p. m.

SALT AND MOISTURE TESTING MR. RINKLE, MR. COMBS
Continuation of work given at 1:00 to 3:00 p. m. Wednesday.

1:30 p. m.

Missouri State Dairy Association; Annual Meeting

Friday, January 7, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

THE SILO ON THE DAIRY FARM MR. BRANDT
This will be a practical talk on how to get greater returns from the money invested in a silo on the dairy farm. The latest developments in the use of the silo, the making of silage from different crops, and other features which have to do with the proper preservation and feeding of silage will be discussed.

8:30 to 10:00 a. m.

CREAM GRADING MR. JARVIS, MR. RINKLE
A continuation of the previous instruction on this subject.

9:30 to 10:30 a. m.

THE BREEDING OF PURE BRED CATTLE AND COMMUNITY BREEDING MR. ECKLES
The question of breed selection, the advantages of all in a community having the same breed of stock, and who should breed registered cattle will be discussed. Suggestions as to how such a business should be conducted will be offered.

10:30 a. m. to 12:00 m.

FARMERS' CONTEST JUDGING DAIRY CATTLE

MR. REED, MR. WATSON

A continuation of the program of Thursday, carried out in the same manner. The results of the two days judging will be combined and an announcement made as to who has stood first as a judge.

10:30 a. m. to 12:00 m.

BUTTER SCORING MR. RINKLE, MR. JARVIS

A continuation of the demonstration and practice given on this subject.

AFTERNOON SESSION

1:30 to 3:00 p. m.

SALT AND MOISTURE TESTING MR. RINKLE, MR. COMBS

A continuation of the previous lectures given on this subject.

1:30 to 3:00 p. m.

CONTAGIOUS ABORTION AND OTHER CAUSES OF BARRENNESS MR. CONNAWAY, MR. BACKUS, MR. DURANT

(1) Brief talks on causes, diagnosis and measures of prevention and cure; (2) practical demonstration of physical examination of barren cows, and methods of surgical treatment; (3) demonstration of laboratory test for contagious abortion.

Preserved specimens of the generative organs of cows, showing normal and diseased condition, will be exhibited and explained.

SHORT COURSE IN HORTICULTURE AND ENTOMOLOGY

Discussions led by: Dr. J. C. Whitten, Professor of Horticulture; W. H. Lawrence, Professor of Horticulture; F. W. Faurot, Extension Assistant Professor of Horticulture; C. C. Wiggans, Instructor in Horticulture; John S. Gardner, Assistant in Horticulture; Leonard Haseman, Associate Professor of Entomology; T. J. Talbert, Extension Assistant Professor of Entomology; A. H. Hollinger, Assistant in Entomology.

THE SCHEDULE

Tuesday, January 4, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

THE PRINCIPLES OF PRUNING MR. LAWRENCE

A demonstration showing the equipment necessary to prune fruit trees to advantage, illustrating by the use of specimens the principles underlying each step in the pruning process.

9:30 to 10:30 a. m.

SELECTION OF FRUIT FOR EXHIBITION AND MARKET

MR. WHITTEN

Lecture and practical demonstration, using plates of fruit to illustrate selection and type characters, size, freedom from blemishes, uniformity as to color, size, shape, etc.

10:30 a. m. 12:00 m.

SPRAYING DEMONSTRATION MR. FAUROT, MR. TALBERT

The making of lime-sulphur, and Bordeaux mixture will be demonstrated. The best methods of mixing, testing, and diluting the spray mixtures will be shown. A practical demonstration in the application of spray mixtures to fruit trees.

AFTERNOON SESSION

1:30 to 3:00 p. m.

SHAPING THE YOUNG FRUIT TREES MR. LAWRENCE

This demonstration will emphasize the importance of properly pruning the root system as well as the tops of young trees before planting. Specimens of young trees will be used to show how the work is done. This exercise will illustrate the importance of properly starting a young fruit tree in order to secure best results later.

Wednesday, January 5, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

CONTROL OF SCALE INSECTS MR. TALBERT
 San Jose scale, Forbe's scale, oyster shell scale, and other scale insects will be discussed. Their life histories, habits, dispersal, food plants, and the control measures will be emphasized.

9:30 to 10:30 a. m.

PLANTING THE HOME GROUNDS MR. MAJOR
 An illustrated lecture showing the possibilities of beautifying the surroundings of the country home and highways joining the farm home premises. Varieties of plants, trees and shrubs with their proper location in the grounds will be illustrated. Attention will be given to the arrangement of the various buildings in the home group so as to make possible a desirable setting for the farm home.

10:30 a. m. to 12:00 m.

RENOVATING OLD APPLE TREES MR. FAUROT
 A demonstration showing how a farm orchard which has become unproductive because of age and lack of care may be treated to get it back to regular fruiting habits.

AFTERNOON SESSION

1:30 to 3:00 p. m.

HOW TO SPRAY FOR SAN JOSE SCALE MR. TALBERT
 Fruit trees infested with San Jose scale will be shown and the difference between San Jose scale and other common scale insects of the orchard will be pointed out. The mixing, testing, and application of lime-sulphur in the control of San Jose scale will be demonstrated.

Thursday, January 6, 1916

FORENOON SESSION

INSECT ENEMIES OF BERRIES AND GRAPES.....MR. HOHLINGER
 An illustrated lecture dealing with the more important pests of small fruits and grapes, with discussions of life histories, distribution, injury, and methods of controlling them.

9:30 to 10:30 a. m.

BOX AND BARREL PACKING OF APPLES MR. FAUROT, MR. WIGGANS
 A demonstration showing the methods of packing apples in

boxes and barrels to meet the market demands and make the selling of Missouri apples more efficient.

10:30 a. m. to 12:00 m.

PRUNING GRAPES MR. WHITTEN
Laboratory demonstration using a grape vine, charts, diagrams, etc., showing practical pruning practices and the reasons for it.

AFTERNOON SESSION

1:30 to 3:00 p. m.

BOX AND BARREL PACKING OF APPLES. MR. FAUROT, MR. WIGGANS
Continuation of the demonstration begun the previous day.

Friday, January 7, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

THE FARM HOTBED MR. GARDNER
A discussion of the location and construction of the hotbed itself, supplemented by blackboard sketches. The treatment of manure before filling the pit, control of temperature and other conditions for crops usually grown in hotbeds. The use of the hotbed to fit in with farm practice will be indicated as well as its use in ways not so common as they should be.

9:30 to 10:30 a. m.

ORCHARD INSECTS AND THEIR CONTROL MR. HASEMAN
An illustrated lecture dealing with a few of the more important insects, followed by an open discussion of the subject by all present.

10:30 a. m. to 12:00 m.

BEST VARIETIES OF APPLES FOR MISSOURI; DISCUSSION
AND EXHIBITION OF FRUIT MR. WHITTEN
Discussion of the best varieties of apples to plant for home use and in commercial orchards. This will be illustrated by plates showing typical specimens of each variety, noting the special merits of each for various purposes.

AFTERNOON SESSION

1:30 to 3:00 p. m.

BOX AND BARREL PACKING OF APPLES. MR. FAUROT, MR. WIGGANS
A continuation of the work previously started, giving as much opportunity as possible for those present to obtain practice in doing the work themselves instead of merely seeing it done.

SHORT COURSE IN FARM MANAGEMENT AND RURAL ECONOMICS

Discussions led by: O. R. Johnson, Associate Professor of Farm Management; R. M. Green, Instructor in Farm Management; S. D. Gromer, Assistant Professor of Rural Economics; D. H. Doane, State Leader of County Agricultural Agents; C. M. Long, County Agricultural Agent, Pettis County, Missouri; W. M. Cook, County Agricultural Agent, Carroll County, Missouri; Edwin Stroeter, Farmer and Practical Sheep Raiser, Smithton, Missouri; A. C. Todd, Farmer and Lamb Feeder, Leeton, Missouri.

THE SCHEDULE

Tuesday, January 4, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

ON WHAT DOES A GOOD FARM INCOME MOST DEPEND

MR. JOHNSON

An introductory lecture with the use of charts showing the three general factors which limit the farm income, namely, size of business, quality of business, and diversity, and their relation to farm income.

9:30 to 10:30 a. m.

WHAT A COMPLETE SET OF FARM RECORDS SHOWS. MR. GREEN

A chart and chalk demonstration based on actual records of two Missouri farms that are keeping accounts in cooperation with the College of Agriculture. This illustrates the kind of information one can expect from such records, and of what practical importance they may be.

10:30 a. m. to 12:00 m.

IS THE BUSINESS SIDE OF FARMING IN MISSOURI SATIS- FACTORY MR. GROMER

An analysis in a general way of the business aspect of farming, with an explanation of the economic principles involved in the present business status of farming.

AFTERNOON SESSION

3:00 to 3:30 p. m.

THE PRODUCTION AND FEEDING OF EARLY SPRING LAMBS

MR. STROETER

This lecture will deal with the kind of ewes and rams used,

the care and feeding of ewes, the handling of the lambs after birth, and the marketing of the lambs.

3:30 to 4:00 p. m.

FALL FEEDING AND MARKETING OF LAMBS MR. TODD

This lecture will deal with the producing of the feed, the kind of lambs purchased, handling and feeding the lambs, grading and selling.

Wednesday, January 5, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

THE ADVANTAGES OF A GOOD-SIZED BUSINESS....MR. JOHNSON

A lecture with the use of charts, followed by a brief discussion. The factors which measure the size of business together with the reasons for these factors limiting the income will be given.

9:30 to 10:30 a. m.

WHAT A COMPLETE SET OF FARM RECORDS SHOWS...MR. GREEN

A continuation of the work given from 9:30 to 10:30 Tuesday.

10:30 a. m. to 12:00 m.

SOME FUNDAMENTAL PRINCIPLES OF BANKING IN WHICH THE FARMERS OF MISSOURI ARE VITALLY INTERESTED

MR. GROMER

A discussion of the modern bank and its methods as a means of meeting the credit demands of the farmer, with some thoughts on the relation between banking methods and rural prosperity.

AFTERNOON SESSION

1:30 to 3:00 p. m.

TENANCY FROM A FARM MANAGEMENT VIEWPOINT..MR. DOANE

In this lecture, a series of charts based on actual experiences will be used showing the relative efficiency, as farmers, between the farm owner and the farm tenant. Figures show that the average Missouri farm tenant earns more for his labor than does the farm owner.

2:15 to 3:00 p. m.

A DEMONSTRATION FARM MR. LONG

The methods and results of a good farm management plan

which has been applied to a 40-acre farm for two years, under the direction of Mr. Long, will be fully considered.

Thursday, January 6, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

QUALITY AS A FACTOR IN FARM INCOMES MR. JOHNSON

A lecture with the use of charts, followed by a brief discussion. A discussion of the meaning of quality, measures of quality, and reasons for quality limiting the income will be given.

9:30 to 10:30 a. m.

HOW ORGANIZATION HELPS HANDLE THE LABOR . . . MR. GREEN

An illustrated lecture showing how the kind and size of crop and live stock enterprises affect labor requirements, and a discussion of the actual conditions under which the distribution of labor is of importance.

10:30 a. m. to 12:00 m.

THE APPLICATION OF SOME BANKING PRINCIPLES TO THE FARMERS' PRESENT NEEDS MR. GROMER

An attempt will be made to show the possibilities of developing a banking system which will fully meet the farmers' needs.

AFTERNOON SESSION

1:30 to 3:00 p. m.

THE RELATION BETWEEN EDUCATION AND EFFICIENCY IN FARM MANAGEMENT MR. DOANE

"Does an education pay?" By means of charts, this lecture will show that the average Missouri farmer with a good education earns over \$500 a year more than the one with a limited one.

Friday, January 7, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

DIVERSIFIED FARMING AND INCOMES MR. JOHNSON

A lecture with the use of charts, followed by a brief discussion. The meaning of diversity, measures of diversity, and the impor-

tance of diversity in realizing a good income will be the points illustrated.

9:30 to 10:30 a. m.

HOW ORGANIZATION HELPS HANDLE THE LABOR....MR. GREEN

A continuation of the lecture given Thursday from 9:30 to 10:30 with time for those present to discuss general points in Farm Record keeping.

10:30 a. m. to 12:00 m.

THE APPLICATION OF COOPERATIVE PRINCIPLES TO THE SOLUTION OF PROBLEMS ON THE BUSINESS SIDE OF FARMING MR. GROMER

A discussion of the economic advantages of business cooperation in farming. Facts and figures will be presented to show that cooperation has a cash value which relatively few farmers are realizing upon, but which is available to all.

AFTERNOON SESSION

1:30 to 2:15 p. m.

FILLING THE CORNERS, OR THE PROFIT END OF FARMING MR. DOANE

Profitable details or sidelines present themselves to every thinking and seeing farmer. This period will be an illustrated lecture setting forth actual instances of the utilization of the "profit end of farming."

2:15 to 3:00 p. m.

POINTERS ON PROFITABLE FARMING MR. COOK

A county agent has an excellent opportunity to observe and study successful farm practices. Some of the most striking results worked out in Carroll County will be outlined in this lecture.

SHORT COURSE IN POULTRY HUSBANDRY

Discussions led by: H. L. Kempster, Associate Professor of Poultry Husbandry; A. G. Phillips, Professor of Poultry Husbandry, Purdue University, Indiana; W. A. Lippincott, Professor of Poultry Husbandry, Agricultural College, Kansas; A. J. Durant, Research Assistant in Veterinary Science; E. H. Rucker, Assistant in Poultry Husbandry; R. H. Emberson, Assistant Professor of Rural Education; E. C. Branch, Poultry Judge, Lee's Summit, Missouri; R. C. Lawry, Manager, Yesterlaid Poultry Farm, Pacific, Missouri; T. E. Quisenberry, Director of Missouri Poultry Experiment Station, Mountain Grove, Missouri.

THE SCHEDULE

Tuesday, January 4, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

A NEW TYPE OF POULTRY HOUSE MR. KEMPSTER

This will consist of a lantern slide description of a new poultry house which has recently been constructed at the Missouri University.

9:30 to 10:30 a. m.

THE INTESTINAL PARASITES OF POULTRY AND THEIR TREATMENT MR. DURANT

A lecture and practical demonstration on the common parasites of poultry. How to diagnose, treat and prevent parasitic infestation of the flock. The method of examination for intestinal parasites and specimens of same will be shown.

10:30 a. m. to 12:00 m.

INCUBATION AND BROODING YOUNG CHICKS MR. RUCKER

This lecture will take up the natural method of incubation and the natural and artificial methods of brooding. Feeding, housing, management, diseases, and the general requirements of baby chicks will also be discussed.

AFTERNOON SESSION

1:30 to 3:00 p. m.

THE SEASONABLE DISTRIBUTION AND COST OF EGG PRODUCTION MR. KEMPSTER

A lecture, based upon a report of the results accomplished by the University flocks during the past year.

3:00 to 5:00 p. m.

DEMONSTRATION IN JUDGING AND CANDLING EGGS

This will be in the nature of a laboratory exercise which will teach the participants how to judge eggs and how to candle eggs.

DEMONSTRATION IN JUDGING FOWLS

This will consist of a discussion of breed types, the points which are emphasized in the judging of chickens from a fancy standpoint, and the actual practice work in the judging of the more common breeds. It will deal with the judging of Wyandotts and Rhode Island Reds.

DEMONSTRATION IN CAPONIZING

"Caponizing" will be taught by a demonstration in which the participant is not permitted to take part, but in which he will observe just how the operation is done.

DEMONSTRATION IN KILLING AND DRESSING POULTRY

The most modern methods of killing chickens will be demonstrated. The spectator will not take part in this demonstration.

DEMONSTRATIONS IN THE TREATMENT FOR LICE

Methods of manufacturing home made lice powders and the practical application of these to the birds will be illustrated. In this work, the spectator will be permitted to take part.

Wednesday, January 5, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

ROUP IN FOWLS MR. DURANT

Lecture and demonstration on the different forms of roup, conditions favorable for its development in the flock, and its prevention by sanitation. A report on results of vaccination at the University Experiment Station in prevention and cure during the past year will be given.

9:30 to 10:30 a. m.

THE EXTERNAL PARASITES OF POULTRY MR. TALBERT

This lecture will deal with important insect pests of poultry and methods of controlling them.

10:30 a. m. to 12:00 m.

FARM EGG-LAYING CONTESTS MR. KEMPSTER

A demonstration which will bring out the advantage of keeping poultry records on the farm as a means of putting the poultry business on a profitable basis. The comparative ease with which such records may be kept and the immediate good results that may be expected will be shown.

AFTERNOON SESSION

1:30 to 3:00 p. m.

THE POSSIBILITIES OF IMPROVED POULTRY-KEEPING THRU THE BOYS' AND GIRLS' CLUBS MR. EMBERSON

This subject will deal in a general way with the poultry industry in Missouri. The aim is to get club members to raise better chickens, and more chickens; to show that it is a business worth while and that it will yield good returns when it receives proper attention.

3:00 to 5:00 p. m.

DEMONSTRATIONS IN JUDGING AND CANDLING EGGS

A repetition of the demonstrations given Tuesday from 3:00 to 5:00 p. m.

DEMONSTRATION IN JUDGING FOWLS

This will be a repetition of the demonstration given Tuesday from 3:00 to 5:00 p. m.

DEMONSTRATION IN CAPONIZING

A repetition of the demonstration given Tuesday from 3:00 to 5:00 p. m.

DEMONSTRATION IN KILLING AND DRESSING POULTRY

A repetition of the demonstration given Tuesday from 3:00 to 5:00 p. m.

DEMONSTRATION IN THE TREATMENT FOR LICE

A repetition of the demonstration given Tuesday from 3:00 to 5:00 p. m.

Thursday, January 6, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

FEEDING FOR EGG PRODUCTION MR. PHILLIPS

This will be a straight lecture supplemented by charts citing experimental data and will take into consideration largely the problems of feeding poultry on the farm.

9:30 to 10:30 a. m.

THE FARMER AND SELLING EGGS ON A GRADED BASIS

MR. LIPPINCOTT

A discussion of the problems of the marketing of eggs. The necessity of the proper handling of eggs on the farm and the encouragement of this by the dealer who buys on a graded basis.

10:30 a. m. to 12:00 m.

THE JUDGING OF FOWLS MR. BRANCH

This will consist of a talk upon poultry breeding from a practical standpoint by an experienced poultryman. In addition, the characteristic breed types of some of the more common varieties will be illustrated by live specimens and by charts. The points which are emphasized in judging a bird from a fancy standpoint will be considered.

AFTERNOON SESSION

1:30 to 3:00 p. m.

FARM POULTRY MANAGEMENT MR. PHILLIPS

A plea for the keeping of records on the farm.

3:00 to 5:00 p. m.

DEMONSTRATION IN JUDGING AND CANDLING EGGS

DEMONSTRATION IN JUDGING FOWLS

DEMONSTRATION IN CAPONIZING

DEMONSTRATION IN KILLING AND DRESSING POULTRY

DEMONSTRATION IN THE TREATMENT OF LICE

Friday, January 7, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

THE VALUE OF EGG-LAYING CONTESTS MR. QUISENBERRY

The results of four years' experience in conducting egg-laying contests.

9:30 to 10:30 a. m.

THE UPS AND DOWNS OF EGG-MARKETING MR. LAWRY

A lecture upon the problems of marketing poultry products from the standpoint of a commercial poultryman.

10:30 a. m. to 12:00 m.

THE OPPORTUNITIES FOR SPECIALTY AND FARM POULTRY

MR. LIPPINCOTT

A lecture emphasizing the possibilities of farm poultry. This will be a treatise on the problems of farm poultry keeping as seen by a man studying farm poultry conditions and will aim to develop a solution of many of the problems arising in the care of poultry on the farm.

AFTERNOON SESSION

1:30 to 3:00 p. m.

MODERN METHODS OF POULTRY CULTURE. Illustrated by
Moving Pictures MR. KEMPSTER

3:00 to 5:00 p. m.

DEMONSTRATION IN JUDGING AND CANDLING EGGS

DEMONSTRATION IN JUDGING FOWLS

DEMONSTRATION IN CAPONIZING

DEMONSTRATION IN KILLING AND DRESSING POULTRY

DEMONSTRATION IN THE TREATMENT FOR LICE

SHORT COURSE IN FARM MECHANICS

Discussions led by: M. A. R. Kelley, Assistant Professor of Agricultural Engineering; I. S. Griffith, Associate Professor of Manual Arts, E. J. McCaustland, Dean, School of Engineering, M. H. Brigham, Assistant in Manual Arts, J. M. Allton, Student Assistant in Manual Arts, I. O. Royse, Assistant in Manual Arts; W. C. Thee, a practical automobile mechanic.

THE SCHEDULE

Tuesday, January 4, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

THE FARM SHOP MR. ROYSE

A lecture telling the advantages of having a farm shop and discussing its arrangement and equipment. Besides the plan of the shop and the discussion of its erection, the equipment will be outlined and suggested. An estimate of the cost of the building and its equipment will be given.

9:30 to 10:30 a. m.

METALS AND HOW THEY ARE WORKED MR. BRIGHAM

During the hour, the composition of the various metals will be explained and the methods of working each shown. The demonstration will include forging, machining, casting, and grinding.

10:30 a. m. to 12:00 m.

PERMANENT FARM BUILDINGS (Illustrated) MR. KELLEY

An illustrated lecture dealing with the different types of farm houses, showing good and bad types of construction; the construction of modern farm barns; the convenient arrangement of the farmstead; the use of concrete as a permanent building material.

AFTERNOON SESSION

1:30 to 3:00 p. m.

FARM CONCRETE CONSTRUCTION MR. KELLEY

A demonstration showing the actual construction of concrete fence posts, sidewalks, feeding floor, and other forms of farm concrete construction. Farmers who wish will be given an opportunity to take part in this demonstration and an opportunity will be given for the discussion of various materials.

Wednesday, January 5, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

WOODWORKING TOOLS AND MACHINES AND HOW THEY ARE

USED MR. GRIFFITH

This hour will be taken up by lecture and demonstration. The aim will be to show the general usage of woodworking tools and machines. Demonstration particularly interesting to the farmer will be given to enlighten him upon woodworking for home and immediate needs.

9:30 to 10:30 a. m.

BLACKSMITHING A FARMER MAY DO TO ADVANTAGE MR. ALLTON

A discussion of equipment for a farm forge and blacksmithing outfit. Simple processes will be demonstrated, such as sharpening plows, making bolts, and repairing ordinary breaks in farm machinery.

10:30 a. m. to 12:00 m.

FARM SANITATION. Illustrated DEAN McCAUSTLAND

An illustrated lecture. Farm water supplies—springs and wells. House drainage. Treatment of house sewage. Cesspools and septic tanks. Protection from flies.

AFTERNOON SESSION

1:30 to 3:00 p. m.

SPLICING THE HAY ROPE; USEFUL KNOTS AND SPLICES

MR. KELLEY

This will be in the nature of a demonstration in which the farmers themselves will take part, actually performing the operation of splicing a simple hay rope. Other useful knots will be shown, and samples of rope halters will also be made.

Thursday, January 6, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

FILING SAWS MR. GRIFFITH

The time will be spent in lecture, demonstration, and actual practice. The different classes of saws will be discussed. Description and demonstration of filing, setting, and jointing will be given. Opportunity will be given for individuals to practice saw sharpening.

9:30 to 10:30 a. m.

TEMPERING TOOLS MR. BRIGHAM

Lecture and Demonstration. The properties of tool steel will be explained, specimen pieces prepared and hardened, and relative hardness of tools demonstrated. Farmers will be given an opportunity to take part in the work and obtain practice in forging and tempering.

AFTERNOON SESSION

1:30 to 3:00 p. m.

CARE OF FARM AUTOMOBILES MR. THEE

Lecture and illustrative diagrams dealing with the problems of upkeep and repairing of cars will be given at this hour. The common troubles which farmers experience will be taken up and remedies suggested.

Friday, January 7, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

OPEN FORUM MR. GRIFFITH

This period will be given to a general discussion of the work presented on the three previous days from 8:30 to 9:30 a. m. Questions will be answered along lines related to these subjects, and any points which have not been made clear on the previous days will be further explained.

9:30 to 10:30 a. m.

OPEN FORUM MR. BRIGHAM, MR. ALLTON

This period will be given to a general discussion of the work presented on the three previous days from 9:30 to 10:30 a. m. Questions will be answered along lines related to these subjects, and any points which have not been made clear on the previous days will be further explained.

AFTERNOON SESSION

1:30 to 3:00 p. m.

FARM AUTO SUPPLIES MR. THEE

This lecture will deal principally with the use and care of automobile accessories, self-starter ignition systems, and adjustment of carburetors. Demonstration will be made with accessories on exhibition.

SHORT COURSE IN SLAUGHTERING, MEAT CUTTING AND CURING

Demonstrations by Dr. P. F. Trowbridge, Professor of Agricultural Chemistry.

THE SCHEDULE

Tuesday, January 4, 1916

10:30 a. m. to 12:00 m.

HOG, SHEEP AND VEAL KILLING MR. TROWBRIDGE
Slaughter house, State Farm. This will consist of a practical demonstration of approved methods of slaughtering and dressing these animals, with special reference to general farm conditions. Special attention will be given to the dressing of the carcasses to secure most rapid chilling, and approved methods of handling the warm carcasses.

1:30 to 3:00 p. m.

PORK CUTTING AND CURING MR. TROWBRIDGE
Room 22, Schweitzer Hall. Practical methods of pork cutting will be demonstrated and discussed from the standpoint of obtaining uniform and economical cuts. Various methods of curing pork will be illustrated and discussed with especial reference to the home curing of meat so that it will keep through the hot weather.

Wednesday, January 5, 1916

FORENOON

10:30 a. m. to 12:00 m.

BEEF KILLING MR. TROWBRIDGE
Slaughter house, State Farm. If the weather is favorable, the slaughtering will be done out of doors under practical farm conditions. Special attention will be paid to the approved methods of removing the hide so as to give it its greatest value and to leave the carcass in the most attractive condition. A demonstration will also be made of practical utilization of the offal parts.

1:30 to 3:00

PORK CUTTING AND CURING MR. TROWBRIDGE
Room 22, Schweitzer Hall. This will be a repetition of the

demonstration of Tuesday afternoon to accommodate those who are unable to be present at the first demonstration.

Thursday, January 6, 1916

10:30 a. m. to 12:00 m.

SAUSAGE MAKING AND MUTTON CURING MR. TROWBRIDGE

This will be a practical demonstration with a discussion of the composition and seasoning of country sausage. The mutton cutting will demonstrate the best way of handling mutton with special reference to its utilization in hot weather when larger carcasses cannot be handled.

1:30 to 3:00 p. m.

BEEF CUTTING AND THE FARMERS' BEEF CLUB..MR. TROWBRIDGE

Demonstration of the different grades of beef and the organization and conduct of the Farmers' Beef Club, showing how a group of farmers can have an abundance of fresh beef during several months of the year without the expense of a retail butcher's prices.

Friday, January 7, 1916

10:30 a. m. to 12:00 m.

BEEF CUTTING AND CURING MR. TROWBRIDGE

Special attention will be paid to the commercial cuts of beef and the handling of lower grades of beef carcasses to the best advantage. This demonstration will pay special attention to the curing of certain cuts of the beef.

SHORT COURSE FOR RURAL PASTORS

Tuesday, January 4, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

**THE FAMILY AND THE RURAL COMMUNITY—LUTHER L. BERNARD,
Assistant Professor of Sociology.**

9:30 to 10:30 a. m.

**MARRIAGE, DIVORCE AND THE MODERN HOME—ALVA W. TAYLOR,
Professor of Social Service, Missouri Bible College.**

10:30 a. m. to 12:00 m.

IS THE BUSINESS SIDE OF FARMING IN MISSOURI SATISFACTORY?—S. D. GROMER, Assistant Professor of Rural Economics.

AFTERNOON SESSION

1:30 to 3:00 p. m.

Rural Pastors will select as they choose from the demonstrations scheduled for this period in the various agricultural short courses.

3:00 to 5:00 p. m.

OPEN FORUM—Problems of the Rural Pastor MR. TAYLOR

Wednesday, January 5, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

**THE SOCIAL ACTIVITIES OF THE RURAL COMMUNITIES
MR. BERNARD**

9:30 to 10:30 a. m.

WEALTH, POVERTY AND THE DIVISION OF PROFITS. MR. TAYLOR

10:30 a. m. to 12:00 m.

**SOME FUNDAMENTAL PRINCIPLES OF BANKING IN WHICH THE
FARMERS OF MISSOURI ARE VITALLY INTERESTED**

MR. GROMER

AFTERNOON SESSION

1:30 to 3:00 p. m.

Rural Pastors will select as they choose from the demonstrations scheduled for this period in the different agricultural short courses.

3:00 to 5:00 p. m.

OPEN FORUM—PROBLEMS OF RURAL PASTORS MR. TAYLOR

Thursday, January 6, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

THE COUNTRY SCHOOL AND ITS PROBLEMS MR. BERNARD

9:30 to 10:30 a. m.

NON-RESISTANCE AND THE USE OF FORCE MR. TAYLOR

10:30 a. m. to 12:00 m.

THE APPLICATION OF SOME BANKING PRINCIPLES TO THE FARMERS' PRESENT NEEDS MR. GROMER

AFTERNOON SESSION

1:30 to 3:00 p. m.

Rural Pastors will select as they choose from the demonstrations scheduled for this period in the various agricultural short courses.

3:00 to 5:00 p. m.

RURAL LIFE CONFERENCE.

Friday, January 7, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

THE COUNTRY SCHOOL AND RURAL EFFICIENCY MR. BERNARD

9:30 to 10:30 a. m.

THE CHURCH AND POPULAR AMUSEMENTS MR. TAYLOR

10:30 a. m. to 12:00 m.

THE APPLICATION OF COOPERATIVE PRINCIPLES TO THE SOLUTION OF PROBLEMS ON THE BUSINESS SIDE OF FARMING MR. GROMER

AFTERNOON SESSION

1:30 to 3:00 p. m.

Rural Pastors will select as they choose from the demonstrations scheduled for this period in the various agricultural short courses.

3:00 to 5:00 p. m.

RURAL LIFE CONFERENCE

Women's Section

A Short Course in Home Economics will be given by the Department of Home Economics of the University. This short course will consist of lectures and demonstrations upon subjects in which the farm women of Missouri have indicated a special interest. It is the desire of the University of Missouri that Farmers' Week shall offer the same opportunities to farm women that it does to their husbands and brothers. The University has the facilities for giving several times as much work to women as the short course outlined below proposes. The work will be expanded to meet any demand made upon the University by the farm women of the state.

Those attending the Home Economics Short Course will be especially interested in the meat cutting and curing program given each afternoon by Dr. Trowbridge.

THE SHORT COURSE IN HOME ECONOMICS

Discussions led by: Louise Stanley, Associate Professor of Home Economics; Bab Bell, Extension Assistant Professor of Home Economics; Hildegard Kneeland, Instructor in Home Economics; Ethel Ronzone, Instructor in Home Economics; June Findley, Assistant in Home Economics; Carrie L. Pancoast, Extension Assistant in Home Economics.

THE SCHEDULE

Tuesday, January 4, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

BALANCED RATIONS FOR THE FAMILY MISS KNEELAND

The housewife must know what to prepare for each meal so that each member of the family gets what he needs, the food is appetizing and digestible, and she gets the most for her money. Those factors entering into balancing the family rations will be discussed during this hour.

9:30 to 10:30 a. m.

SCHOOL LUNCHESES MISS BELL

In this demonstration, the type of lunch to be carried to school

will be considered. The kinds of containers, methods of packing, and proper food for school children will be illustrated.

10:30 a. m. to 12:00 m.

DEMONSTRATION—MAKING PIES MISS STANLEY

This demonstration will show how pie crust may be most easily made flaky and digestible. Several different kinds of pies will be made.

Wednesday, January 5, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

THREE MEALS A DAY MISS KNEELAND

How to plan each day's meals, how to prepare and serve them, and clean up afterwards without wasting money and time are points to be emphasized during this hour. Sample menus and card records will be shown and a practical demonstration given.

9:30 to 10:30 a. m.

THE EFFICIENT KITCHEN MISS PANCOAST

Labor saving devices for the kitchen will be shown and discussed. Plans will be used to show how much a convenient arrangement can do to make the work of preparing and serving meals easier.

10:30 a. m. to 12:00 m.

DEMONSTRATION—MEAT SUBSTITUTES MISS PANCOAST

The purpose of this demonstration is to suggest less use of meat and more use of meat substitutes, such as milk, cheese, eggs, dried beans, lentils, peas, nuts, and grains. These may be used singly or in combination. A small amount of time spent in planning menus in which meat substitutes are used may reduce the cost of living and at the same time insure better health.

Thursday, January 6, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

HOME CARE OF THE SICK MISS FINDLEY

The most important principles underlying the care of the sick in the home will be discussed. There will be a demonstration

showing how a bed is made with a patient in it, and how a sponge bath is given such a patient.

9:30 to 10:30 a. m.

DEMONSTRATION—MAKING A DRESS FORM MISS RONZONE

This demonstration will show how to select an inexpensive form and how to remodel it to fit the individual figure. More expensive dress forms will be considered; their advantages and disadvantages discussed.

10:30 to 12:00 a. m.

DEMONSTRATION—COOKING MEATS MISS BELL

This demonstration will be concerned with making a study of the different cuts of meat, and the proper methods of preparing them in order to reduce the family meat bill.

Friday, January 7, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

HYGIENIC ASPECTS OF CLOTHING MISS RONZONE

The structure and functioning of the human body will be considered in relation to the choice of material for, and the construction of, clothing.

9:30 to 10:30 a. m.

FEEDING THE BABY MISS STANLEY

This will be a demonstration of a practical method of determining the amount of artificial food necessary for a baby. Two babies of different ages will be weighed and from their weights and ages the amount of food necessary for a day will be calculated, and the whole process of modification and pasteurization will be carried out. The necessary utensils, the best types of bottles, and the various artificial foods will be shown.

10:30 a. m. to 12:00 m.

DEMONSTRATION—PREPARATION OF VEGETABLES... MISS ROOT

This demonstration will endeavor to emphasize the difference between the various types of vegetables in food value and methods of cookery, and will give an attractive and palatable preparation for service.

Boys' and Girls' Section

As in former years, arrangements have been made this year to furnish special instruction and entertainment to Missouri boys and girls between the ages of ten and eighteen years who attend the Farmers' Short Course at the University of Missouri. Last year, there were one hundred thirty boys and girls from twelve counties of Missouri enrolled in the Boys' and Girls' Section.

This short course offers an excellent opportunity for Missouri boys and girls to see the University, to become familiar with the College of Agriculture, and to learn about crops, soils, live stock, poultry, and all things relating to the farm and home.

The program will consist of lectures, demonstrations, contests, and games.

The work of the Boys' and Girls' Section is arranged for the purpose of teaching interesting things about the farm and the farm home—things that all boys and girls who live on the farm ought to know. To a large extent, the instruction will take the form of contests.

The list of contests includes the following:

FOR BOYS

Judging horses	Judging apples
Judging poultry	Judging mules
Judging cattle (beef or dairy)	Judging sheep or hogs
Judging corn	

FOR GIRLS

Sewing on buttons and making button holes	Baking biscuits
Patching a three cornered tear	Making candy—fudge
Stocking darning	Judging bread
Chicken dressing	Apron judging
	Judging canned goods

FOR BOTH

Corn stringing	Ciphering
Spelling	

Every one enrolled in the Boys' and Girls' Section will be required to take part in all contests and other exercises unless special permission is granted to do otherwise. The contests are open to all Missouri boys and girls who are past ten years and under nineteen years of age on January 15, 1916. No one will be permitted to take part in any contest who is not regularly enrolled.

PREMIUMS

In each contest, the following ribbons will be given: first place, a blue ribbon; second place, a red ribbon; third place, a white ribbon; fourth place, a pink ribbon; and fifth place, a yellow ribbon. In addition to these ribbons, a number of special prizes and trophies will be awarded. The principal trophy for which boys and girls will compete by counties is the so-called Farmers' Short Course County Trophy, valued at \$100, offered by the University of Missouri to the county winning the greatest number of points in all contests for boys and girls. For purposes of awarding this trophy, the following plan will be followed. Each championship ribbon will count 15 points; each blue ribbon, first place, 10 points; each red ribbon, second place, 7 points; each white ribbon, third place, 5 points; each pink ribbon, fourth place, 3 points; and each yellow ribbon, fifth place, 2 points. In addition to the foregoing there will be a series of ribbons for boys and girls making the best record in club work conducted by the University. These ribbons will count the same number of points as is allowed in the regular farmers' week contests.

Another set of ribbons will be given to the counties having to their credit the greatest number of miles traveled in coming to attend the Boys' and Girls' Section of Farmers' Week. In deciding the winners, the following rule will be applied: multiply the shortest railroad distance in miles between the county seat of the county concerned and Columbia by the number of boys and girls regularly enrolled and participating in all required work.

The farmers' short course county trophy will, for the time being, remain the property of the University but the county winning it any year may hold it until the week preceding the farmers' short course when it must be returned to the University and again competed for by the counties who enter the Boys' and Girls' Section. The name of the winning county each year will be engraved on the trophy. The county leader of the boys' and girls' clubs will be held responsible for the safe keeping of the trophy while in his county unless otherwise directed by the University authorities. After the boys' and girls' section has become more permanently established, a plan will be proposed whereby one county may have an opportunity to retain the trophy permanently by winning it a certain number of times, that number to be decided upon later.

Boys and girls from any county in the state may attend the farmers' short course. By notifying the College in advance, arrangements will be made for room and board. All those enrolled in the boys' and girls' section will be assigned to small groups, each group in charge of some responsible leader. The program provides for a large amount of entertainment and exercise, and all boys and girls are expected to

strictly adhere to the rules laid down for their guidance during farmers' week.

RULES FOR BOYS' AND GIRLS' SECTION

1. All members of this section must register in University Auditorium, Academic Hall, before taking part in any activity. No one can win a premium who is not properly registered.

2. All members who have registered will be divided into two divisions for each contest:

Division I will consist of boys and girls who have never taken part in the contest or activity of the Boys' and Girls' Section of the Farmers' Short Course.

Division II will consist of boys and girls who have taken part in a contest or activity in the Boys' and Girls' Section of the Farmers' Short Course at some previous time.

3. Members of Division I may compete in contests as representatives of their respective counties. Their winnings will count for the Farmers' Short Course County Trophy.

4. Members of Division II may compete in contests for premiums offered but their winnings will not count toward the Farmers' Short Course County Trophy.

5. In all contests, the three members from any county receiving the highest scores will be considered the team for that county in any particular contest. In counties having less than three members, the number contesting shall constitute the team. One-third of the total score made by each team will be used as a base number in determining the relative standing of teams. Boys or girls who do not take part in all the required work of the boys' and girls' section will not be permitted to compete for the Farmers' Week County Trophy.

6. The leader in charge of any contest or group will have authority to dismiss any boy or girl:

a. Who converses without permission with any other than the leader in charge during the contest.

b. Who refuses to follow the directions of the leader.

c. Who refuses to obey rules, regulations, and personal instructions.

7. Each boy and girl should bring a pencil and note book.

PROGRAM FOR GIRLS

Contests, lectures and demonstrations will be conducted by: R. H. Emberson, Assistant Professor of Rural Education, in charge of Boys' and Girls' Club Work; G. W. Reavis, Supervisor of Boys' and Girls' Club Work; Addie D. Root, Extension Instructor in Home Economics; Louise Stanley, Associate Professor of Home Economics; C. L. Brewer, Professor of Physical Education; H. L. Kempster, Associate Professor of Poultry Husbandry; Bab Bell, Assistant Professor of Home Economics; Hildegard Kneeland, Instructor in Home Economics; Ethel Ronzone, Instructor in Home Economics; Carrie Pancoast, Extension Assistant in Home Economics; June Findley, Assistant in Home Economics; Mattie Rea Sebastian, Graduate student in Home Economics.

Tuesday, January 4, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

Registration, roll call and general announcements

9:30 to 10:30 a. m.

DEMONSTRATION—School Lunches MISS BELL

In this demonstration, the type of lunch which must be carried to school will be considered. The kinds of containers, methods of packing, and proper food for school children will be illustrated.

10:30 to 12:00 m.

DEMONSTRATION—Making Pies MISS STANLEY

This demonstration will show how pie crust may be most easily made flaky and digestible. Several different kinds of pies will be made.

AFTERNOON SESSION

1:00 to 2:30 p. m.

SPELLING CONTEST FOR GIRLS AND BOYS MR. EMBERSON

2:30 to 3:30 p. m.

LECTURE—Games for Country Boys and Girls MR. BREWER

This period will be devoted to a description of games suitable for the country school, country church, and community picnics.

3:30 to 5:00 p. m.

GAMES AND PLAY AT WOMEN'S GYMNASIUM. Under direction of Woman's Physical Director.

Wednesday, January 5, 1916

FORENOON SESSION

8:00 to 9:30 a. m.

Choice of Chicken Dressing Contest, Fudge Making Contest, or Poultry Judging Demonstration

9:30 to 10:30 a. m.

STOCKING DARNING CONTEST MISS SEBASTIAN

10:30 to 12:00 a. m.

DEMONSTRATION—Meat Substitutes MISS PANCOAST

The purpose of this demonstration is to suggest less use of meat and more use of meat substitutes, such as milk, cheese, eggs dried beans, lentils, peas, nuts and grains. These may be used singly or in combination. A small amount of time spent in planning menus in which meat substitutes are used may reduce the cost of living and at the same time insure better health.

AFTERNOON SESSION

1:00 to 2:30 p. m.

CONTEST IN BISCUIT MAKING MISS BELL

2:30 to 3:00 p. m.

CONTEST IN BREAD JUDGING MISS ROOT

3:30 to 4:30 p. m.

GAMES—Women's Gymnasium MR. BREWER

Thursday, January 6, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

LECTURE—Home Care of the Sick MISS FINDLEY

The most important principles underlying the care of the sick in the home will be discussed. There will be a demonstration showing how a bed is made with a patient in it, and how a sponge bath is given such a patient.

9:30 to 10:30 a. m.

CONTEST IN SEWING ON BUTTONS AND MAKING BUTTONHOLES
MISS SEBASTIAN

10:30 to 12:00 a. m.

DEMONSTRATION IN COOKING MEATS MISS BELL

This demonstration will be concerned with making a study of the different cuts of meat, and the proper methods of preparing them in order to reduce the family meat bill.

AFTERNOON SESSION

1:30 to 3:00 p. m.

CIPHERING CONTEST FOR GIRLS AND BOYS MR. REAVIS

3:00 to 4:00 p. m.

CONTEST—Judging Canned Products MISS ROOT

4:00 to 5:00 p. m.

GAMES AND GYMNAS TIC EXERCISES

Friday, January 7, 1916

FORENOON SESSION

8:30 to 9:30 a. m.

LECTURE—Hygienic Aspect of Clothing MISS RONZONE

The structure and functioning of the human body will be considered in relation to the choice of material for the construction of clothing.

9:30 to 10:30 a. m.

CONTEST—Sewing; Mending Three-cornered Tear; Judging an Apron
MISS SEBASTIAN

10:30 a. m. to 12:00 m.

DEMONSTRATION IN PREPARATION OF VEGETABLES MISS ROOT

This demonstration will endeavor to emphasize the difference between the various types of vegetables in food value and methods of cookery, and will give an attractive and palatable preparation for service.

AFTERNOON SESSION

1:30 to 3:00 p. m.

CORN STRINGING DEMONSTRATION AND CONTEST

3:00 to 4:00 p. m.

APPLE JUDGING DEMONSTRATION DR. WHITTEN

4:00 to 5:00 p. m.

GAMES IN THE WOMEN'S GYMNASIUM

PROGRAM FOR BOYS

Contests, lectures and demonstrations will be conducted by the following: R. H. Emberson, Assistant Professor of Rural Education; in charge of Boys' and Girls' Club Work; G. W. Reavis, Supervisor of Boys' and Girls' Club Work; H. L. Kempster, Associate Professor of Poultry Husbandry; C. L. Brewer, Professor of Physical Education; J. C. Whitten, Professor of Horticulture; S. T. Simpson, Extension Assistant Professor of Animal Husbandry; P. B. Barker, Extension Associate Professor of Farm Crops; T. J. Talbert, Extension Assistant Professor of Entomology; C. A. LeClair, Assistant Professor of Soils; F. B. Mumford, Dean of the College of Agriculture; A. J. Meyer, in Charge of Agricultural Extension Service.

Tuesday, January 4, 1916

FORENOON SESSION

8:00 to 9:00 a. m.

Registration, roll call and general announcements

9:00 to 10:00 a. m.

LIVE STOCK JUDGING DEMONSTRATION AND INSTRUCTION FOR SECTION I MR. SIMPSON
 CORN JUDGING DEMONSTRATION AND INSTRUCTION FOR SECTION II MR. BARKER
 POULTRY DEMONSTRATION AND INSTRUCTION FOR SECTION III MR. KEMPSTER

10:00 to 11:00 a. m.

LIVE STOCK JUDGING DEMONSTRATION AND INSTRUCTION FOR SECTION II MR. SIMPSON
 CORN JUDGING DEMONSTRATION AND INSTRUCTION FOR SECTION III MR. BARKER
 POULTRY DEMONSTRATION AND INSTRUCTION FOR SECTION I
 MISS KEMPSTER

11:00 to 12:00 a. m.

LIVE STOCK DEMONSTRATION AND INSTRUCTION FOR SECTION I MR. SIMPSON
 CORN JUDGING DEMONSTRATION AND INSTRUCTION FOR SECTION III MR. SIMPSON
 POULTRY DEMONSTRATION AND INSTRUCTION FOR SECTION II MR. KEMPSTER

AFTERNOON SESSION

1:00 to 2:30 p. m.

SPELLING CONTEST MR. EMBERSON

2:30 to 3:30 p. m.

GAMES FOR RURAL BOYS AND GIRLS MR. BREWER

3:30 to 5:00 p. m.

GAMES AND PLAYS—Rothwell Gymnasium MR. BREWER

Wednesday, January 5, 1916

FORENOON SESSION

8:00 to 9:00 a. m.

LECTURE "INSECTS INJURIOUS TO FARM CROPS"....MR. TALBERT

9:00 to 10:00 a. m.

LIVE STOCK DEMONSTRATION AND INSTRUCTION FOR SECTION I MR. SIMPSON

CORN JUDGING DEMONSTRATION AND INSTRUCTION FOR SECTION II MR. BARKER

POULTRY DEMONSTRATION AND INSTRUCTION FOR SECTION III MR. KEMPSTER

10:00 to 11:00 a. m.

LIVE STOCK DEMONSTRATION AND INSTRUCTION FOR SECTION II MR. SIMPSON

CORN JUDGING DEMONSTRATION AND INSTRUCTION FOR SECTION III MR. BARKER

POULTRY DEMONSTRATION AND INSTRUCTION FOR SECTION I
MR. KEMPSTER

11:00 to 12:00 a. m.

LIVE STOCK DEMONSTRATION AND INSTRUCTION FOR SECTION III MR. SIMPSON

CORN JUDGING DEMONSTRATION AND INSTRUCTION FOR SECTION I MR. BARKER

POULTRY DEMONSTRATION AND INSTRUCTION FOR SECTION II MR. KEMPSTER

AFTERNOON SESSION

1:00 to 3:00 p. m.

CONTEST, STOCK JUDGING, SECTION I MR. SIMPSON

CONTEST, CORN JUDGING, SECTION II MR. BARKER
 CONTEST, POULTRY JUDGING, SECTION III MR. KEMPSTER

3:00 to 5:00 p. m.

CONTEST, STOCK JUDGING SECTION II MR. SIMPSON
 CONTEST, CORN JUDGING, SECTION III MR. BARKER
 CONTEST, POULTRY JUDGING, SECTION I MR. KEMPSTER

Thursday, January 6, 1916

FORENOON SESSION

8:00 to 9:00 a. m.

HESSIAN FLY CONTROL IN MISSOURI MR. TALBERT

8:30 to 10:30 a. m.

CONTEST STOCK JUDGING—SECTION III MR. SIMPSON
 CONTEST CORN JUDGING—SECTION I MR. BARKER
 CONTEST POULTRY JUDGING—SECTION II MR. KEMPSTER

10:30 to 12:00 m.

GAMES—Rothwell Gymnasium MR. BREWER

AFTERNOON SESSION

1:30 to 3:00 p. m.

CIPHERING CONTEST FOR GIRLS AND BOYS MR. REAVIS

3:00 to 4:00 p. m.

GOOD APPLES, HOW TO GROW THEM MR. WHITTEN

EVENING SESSION

7:00 to 7:30 p. m.

INTRODUCTION OF WINNERS IN CONTESTS AND PRESENTA-
 TION OF PREMIUMS MR. MUMFORD

Friday, January 7, 1916

8:00 to 9:00 a. m.

SOIL DEMONSTRATION AND INSTRUCTION MR. LeCLAIR

9:00 to 11:00 a. m.

CONTEST IN SOIL IDENTIFICATION MR. LeCLAIR

11:00 a. m. to 12:00 m.

SUMMING UP THE WEEK'S WORK MR. MEYER

AFTERNOON SESSION

1:30 to 3:00 p. m.

CORN STRINGING DEMONSTRATION AND CONTEST

3:00 to 4:00 p. m.

VISIT TO COLLEGE OF AGRICULTURE BARNs

4:00 to 5:00 p. m.

GAMES—Rothwell Gymnasium MR. BREWER

Meetings of State Associations

The following list gives the names of the various state associations that will hold their annual meetings at the University of Missouri during the 1916 Farmers' Week, the names and addresses of the secretaries, and the dates of meetings.

SOUTHWEST JERSEY BREEDERS' ASSOCIATION—B. C. SETTLES, Secretary, Palmyra, Missouri

January 4, 1:30 p. m.

JOINT MEETING OF SHEEP BREEDERS ASSOCIATION, MISSOURI CATTLE, SHEEP AND SWINE FEEDERS' ASSOCIATION, AND MISSOURI FARM MANAGEMENT ASSOCIATION

January 4, 1:30-4:30 p. m.

MISSOURI SHEEP BREEDERS' ASSOCIATION—H. HACKEDORN, Secretary, Columbia, Missouri

January 4, 4:30 p. m.

MISSOURI DRAFT HORSE BREEDERS' ASSOCIATION—E. A. TROWBRIDGE, Secretary, Columbia, Missouri

January 4, 3:00 p. m.

MISSOURI WOMEN FARMERS' CLUB—MRS. TURNER McBAINE, Secretary, Columbia, Missouri

January 4 and 5, 3:00 p. m.

MISSOURI HOMEMAKERS' CONFERENCE—MISS BAB BELL, Corresponding Secretary, Columbia, Missouri

January 4 and 5, 3:00 p. m.

MISSOURI STATE GRANGE—MISS LULA L. FUQUA, Secretary, Hannibal, Missouri

January 4, 5, 6, and 7, 3:00-5:00 p. m.

MISSOURI CATTLE, SWINE AND SHEEP FEEDERS' ASSOCIATION—H. O. ALLISON, Secretary, Columbia, Missouri

January 4, 5, 6, and 7, 3:00 p. m.

MISSOURI HOLSTEIN BREEDERS' ASSOCIATION—CASPER GANTZ, Secretary, King City, Missouri

January 5, 1:30 p. m.

MISSOURI SADDLE HORSE BREEDERS' ASSOCIATION—C. P. CAUTHORN, Secretary, Mexico, Missouri

January 5, 1:30 p. m.

MISSOURI FARMERS' EXCHANGE—J. ROBERT HALL, Secretary, Columbia, Missouri

January 5, 3:00 p. m.

MISSOURI ASSOCIATION OF COUNTY FARM BUREAU BOARDS—P. V. MARIS, Secretary, Marshall, Missouri

January 5, 3:00 p. m.

MISSOURI CORN GROWERS' ASSOCIATION—C. B. HUTCHISON, Secretary, Columbia, Missouri.

January 5, 1:30 p. m.

January 6, 3:00 p. m.

MISSOURI FARM MANAGEMENT ASSOCIATION—D. H. DOANE, Acting Secretary, Columbia, Missouri

January 6, 3:00 p. m.

MISSOURI STATE DAIRY ASSOCIATION—P. M. BRANDT, Secretary, Columbia, Missouri

January 6, 3:00 p. m.

JOINT MEETING OF ALL HOG BREEDERS' ASSOCIATIONS.

January 6, 2:30-4:00 p. m.

MISSOURI DUROC-JERSEY BREEDERS' ASSOCIATION—R. L. HILL, Secretary, Columbia, Missouri

January 6, 4:00 p. m.

MISSOURI POLAND CHINA BREEDERS' ASSOCIATION—C. H. WALKER, Secretary, Kansas City, Missouri

January 6, 4:00 p. m.

MISSOURI HAMPSHIRE BREEDERS' ASSOCIATION—I. J. MARTIN, Secretary, Lancaster, Missouri

January 6, 4:00 p. m.

MISSOURI CHESTER WHITE BREEDERS' ASSOCIATION—SIDNEY FROST, Secretary, Kingston, Missouri

January 6 and 7, 2:00-5:00 p. m.

MISSOURI COUNTRY LIFE CONFERENCE—R. H. EMBERSON, Secretary, Columbia, Missouri

January 6 and 7, 3:00 p. m.

MISSOURI ASSOCIATION OF COUNTY AND DISTRICT FAIR MANAGERS—E. A. TROWBRIDGE, Secretary, Columbia, Missouri

January 7, 1:30 p. m.

MISSOURI APIARY SOCIETY—DR. A. D. WOLFE, Secretary, Parkville, Missouri

Thursday, January 6, 4 p. m.

FORMAL OPENING OF NEW LIBRARY

PRESIDENT A. ROSS HILL, presiding

1. Opening address.....PRESIDENT A. ROSS HILL
2. Address—"The Library and the Modern University"
JAY W. HUDSON, Professor of Philosophy, University of Missouri
3. Address
HON. O. H. SWEARINGEN, Kansas City
4. Address.
WILLIAM R. PAINTER, Lieutenant Governor of Missouri, representing
the State Historical Society
5. Address.
A representative of the Missouri Library Association

Evening Programs

As stated at the beginning of this announcement, the evening programs are given under the auspices of the Missouri State Board of Agriculture. With reference to these programs, Mr. Jewell Mayes, secretary of the Board, submits the following statement:

"The Board is held wholly responsible for the evening or night programs. The arranging of these programs of necessity follows the preparation of the association programs, thus forcing the assigning by days to the final hours of the period of preparation. A number of attractions hoped for cannot be announced at this time (November 29, 1915). However, this office offers some suggestions to indicate the dignity and force of what we consider some of the finest features of the evening programs in prospect. The following names we take the liberty to announce as among those invited to speak:

"President A. Ross Hill, Dean Mumford, and the President of the State Board.

"Mr. John H. Atwood, the mention of whose name stirs the hearts of those who know him as a great orator and gifted entertainer.

"William Hirth, President of the Missouri Federation of Commercial Clubs, publisher of the Missouri Farmer, author of "After-Thoughts," and one of the most up to date agricultural thinkers in the middle west.

"Henry Jackson Waters, former Missourian, and now President of Kansas Agricultural College, invited to speak on "After the War, What—or The World's Business," the great address delivered at San Francisco.

"Ewing Herbert, editor of the St. Joseph Stockyards Journal, writer of national reputation, well known on the chautauqua and lyceum platforms.

"Perry G. Holden of Chicago, the world's best-known corn and alfalfa writer and speaker, a foremost author and leader in community building and diversified farming, the man who is preaching a more profitable agriculture to more people annually than any one else in this world.

"R. A. Moore of the University of Wisconsin, the man who worked wonders with Boys' Corn Clubs—he is asked to come to Missouri and tell the story in his own way.

"James E. Poole, the statistical wizard of The Live Stock World of Chicago—there is no higher authority in the country than is Mr. Poole.

"Mrs. Virginia C. Merideth of Indiana, who is asked to come to tell the beautiful story of life on the farm, to thrill and cheer every farm woman and every farmer with the fascinations of country life as it really is and is becoming.

"Mrs. Cora G. Lewis, one of the Board of Administration of the Kansas educational institutions, including the University and Agricultural College, and one of the true preachers of the gospel of farm life, in her address on "The Open Mind In The Open Country."

"Dr. David Francis Luckey, State Veterinarian, in his new illustrated chautauqua lecture on "The Conservation of Animal Health," one of the most thrilling of heart stories from life on the cause and control of animal tuberculosis in relation to human health.

"Mr. M. L. McClure, President of the National Live Stock Exchange of the United States, member of the Regional Bank Board of the Middle West, one of the big stockmen of Kansas City, who will speak on the vital importance of the maintenance of open competitive markets for farm products.

"Mr. Harry R. McKeen, a southern man who has proven his theories in community building and cooperation, a heart talker, a chautauqua attraction who pleads the cause of the average man.

"Col. M. D. Munn, President of the American Jersey Cattle Club, a delightful speaker, and a national authority on the past, present and future of dairying."

The Missouri State Corn Show

The Missouri Corn Growers' Association will hold the Thirteenth Annual Missouri State Corn Show during Farmers' Week, Jan. 3-7, 1916, at the Missouri College of Agriculture. Premiums of cash and merchandise to the value of nearly \$2000 will be awarded to the best exhibits of corn, wheat, oats, cowpeas, soybeans, timothy, and clover. Among the best prizes is a manure spreader or a gasoline engine valued at \$120, which will be awarded to the best bushel of corn in the Show. Prizes to the value of \$100 will be awarded for the best acre of corn reported in the Acre Yield Contests.

All entries close and all exhibits must be in Columbia by Dec. 27th. For premium lists, entry tags, and any further information desired, address

C. B. HUTCHISON,
Secretary, Missouri Corn Growers' Association,
Columbia, Missouri

Farmers' Ham and Bacon Show

The Missouri State Board of Agriculture has again set aside \$150 to be awarded as premiums on the best country-cured hams and bacon, country-cured shoulders, fresh, smoked, and fancy country sausage exhibited at the Missouri Farmers' Ham and Bacon Show to be held during Farmers' Week at the Missouri College of Agriculture, Columbia, January 3 to 7, 1916. The premiums are as follows:

Class 1—Best home-cured country ham, not less than ten months old—first premium, \$25.00; second premium, \$15.00; third premium, \$10.00.

Class 2—Best home-cured country bacon, old or made in fall of 1915—first premium, \$25.00; second premium, \$15.00; third premium, \$10.00

Class 3—Best home-cured country shoulders, old or made in fall of 1915—first premium, \$12.50; second premium, \$7.50.

Class 4—Best fresh country sausage (two pounds)—first premium, \$6.00; second premium, \$4.00.

Class 5—Best smoked or other cured country sausage, shown in jars, sacks or casing (two pounds)—first premium, \$6.00; second premium, \$4.00.

Class 6—Best fancy sausage, two pounds—first premium, \$6.00; second premium, \$4.00.

In addition to these cash premiums, the Worcester Salt Company offers two barrels of salt—one barrel for best ham and one barrel for best bacon, salt to be delivered free at railroad stations of winners.

The premium list for the Fourth Annual Missouri Farmers' Ham and Bacon Show has this year been revised, enlarged, and otherwise improved. Read the classifications carefully.

In the sausage classes, it will be noticed that an additional classification has been made, and the amount of sausage reduced from five to two pounds. Where specifically directed and where express charges or return postage is provided for, the management will attempt to return all sausage that is in good condition at the close of the show, unless ordered to sell or otherwise dispose of it. Last year, however, there was practically no demand for sausage.

Hams, shoulders, and bacon will be returned to owners, express charges collect, at the close of the show, except where the management is instructed to sell or otherwise dispose of the meat. Where meat is to be sold, the prices should not be so high as to be prohibitive. Meat that is priced for more than it is worth will not be sold. Owners who care to call for their meat or sausage may get it on Saturday, following the close of the show.

Judges will have the right to cut all meat and to make use of any part of it in determining the proper placing. All possible care will be taken to keep the entries in good shape and to follow owner's instruction as to disposition. Should any loss occur, however, the management will not be responsible.

Entries are limited strictly to meat made on Missouri farms. No farmer will be allowed to make more than one entry in any class, but he may make an entry in each class if he so desires.

No entry fee of any kind is charged, and every Missouri farmer is invited to compete. All meat should be plainly addressed to "Missouri State Board of Agriculture, Columbia, Missouri." The name and address of the sender must also be given. Do not neglect this. All meat should reach the office of the Missouri State Board of Agriculture not later than Saturday, January 1, 1916. However, for the convenience of exhibitors meat may be delivered at the Agricultural Building, Columbia, up to 5 o'clock, Monday afternoon, January 3. Meat intended for entry, but not received by that hour, cannot be allowed to compete. Even though it may be in Columbia, it will be barred unless actually delivered at the building and turned over to those in charge of the show.

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Local identifier ProjectAnnouncement

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File types	tiff
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Editing software	Adobe Photoshop CC
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Notes	Images cropped, straightened, brightened