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PROGRAM Fifteenth Annual FARMERS' WEEK

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FOREWORD

PROGRESS in agriculture is fundamental to progress in the nation. It is marked by constantly improving physical and social well-being. Agricultural progress takes place as the people living in the open country achieve, in ever greater amount and juster proportion, the highest planes of wealth, health, knowledge, sociability, beauty (or art), and righteousness, which we, as an American people, have come to believe are associated with superior personal well-being and worthy of our loftiest purposes.

For fourteen years the New York State College of Agriculture at Cornell University has held an annual Farmers' Week. The programs for these meetings have been carefully planned with reference to promoting progress in agriculture and country life as it has just been defined. The present program is thoro and comprehensive and touches country life at many of its vital points. Its purpose is to make a worth-while contribution to the educational efforts which are consistently working to encourage better farming and better farmers. The State College and the University extend a hearty invitation to all who are interested in agriculture—and most of all to the farmers and farm women by and thru whom progress will mainly be achieved in the different localities—to attend this, the Fifteenth Annual Farmers' Week.—*A. R. Mann.*

INFORMATION

Railroad rates.—The following railroads have granted reduced rates (one and one-half fare, round trip, with minimum of twenty-five cents) to Ithaca for Farmers' Week. These tickets will be on sale for February 12 to 18, inclusive, and will be good returning until February 20.

Delaware and Hudson, from all points in New York State.

The Delaware, Lackawanna and Western, the Erie, and the New York, Ontario and Western, from all points in New York State except New York City.

New York Central and West Shore, from points within 150 miles of Ithaca, Lehigh Valley, from Tunkhannock, Pennsylvania, to Suspension Bridges. New York, inclusive, and also including branches.

Buffalo, Rochester and Pittsburg, from Scottsville to Salamanca, inclusive, and from Perry and Silver Springs.

Information bureau and police protection.—Visitors may apply to the information bureau on the first floor of Roberts Hall for mail and information. Lost and found articles should be reported here. Police protection is under the supervision of Lieutenant T. H. Twesten, Proctor of Cornell University, late of the Philadelphia Police Department.

Registration.—Visitors are requested to register in Roberts Hall and procure a program. Former students should indicate that fact on the registration card and give their occupation.

Mr. A. W. Gibson, of the Farm Practice Office, is collecting information on former students of the college, and will be glad to assist them in getting information about their classmates and acquaintances.

Room and board.—A directory of available rooming and boarding places may be found in Roberts Hall, first floor. Plans have been made to insure comfortable accommodations for all visitors.

Checking room.—In the basement of Roberts Hall is a room in which coats and parcels may be checked free of charge. Checking facilities will also be provided in Home Economics 110.

Lecture rooms and laboratories.—The rooms of the buildings of the College of Agriculture are numbered independently. All rooms on the first floor bear numbers in the first hundred, those on the second floor in the second hundred, and so on. The location of demonstrations and lectures is indicated by giving the name of the building and the number of the room; thus, Roberts 392 is a lecture room on the third floor of Roberts Hall.

Guides to campus and farm.—Parties of five or more will be furnished guides to points of interest on the university campus and farm, by applying to the information bureau.

Meals.—The cafeteria in the Home Economics Building is open from 7:15 to 9:30 a. m., from 11 a. m. to 2 p. m., and from 5 to 7 p. m. Lunches or full meals may be procured at regular cafeteria prices. In addition, there is a lunch counter in the basement of Roberts Hall, and luncheon service in the forestry club-room in the Forestry Building, on the first floor of the Poultry Building, and on the first floor of the Dairy Building.

Conventions and conferences.—Conventions and conferences meeting during Farmers' Week are open to all persons.

GUIDE TO BUILDINGS

COLLEGE OF AGRICULTURE

Roberts Hall

Basement.—Mailing rooms; men's lavatory; lunch counter.

First floor.—Dean's office; information bureau; business office; office of the Vice Dean of Instruction; Secretary's office; Extension Department (headquarters for Farmers' Week); assembly room.

Second floor.—Lecture rooms 292, 202; women's rest room; Departments of Pomology and Floriculture; office of the Vice Director of Research; office of State Leader of County Agents; fruit show.

Third floor.—Department of Entomology; lecture rooms 392 and 302; entomology exhibit, 302.

Fourth floor.—United States Weather Bureau; Department of Entomology.

Roof outlook.—Entrance thru weather bureau office, east door.

Stone Hall (west of Roberts Hall)

Basement.—Plant physiology laboratories; college library.

First floor.—Lecture room 192; office of Farm Practice and Farm Superintendence; office of College Librarian.

Second floor.—Botany offices and laboratories; botany exhibit.

Third floor.—Department of Botany and botany laboratories.

Dairy Building (east of Roberts Hall)

Basement.—Dairy mechanics laboratories; laundry; office of State Chemist; dairy extension, or manufacturing division, comprising (1) market milk room, (2) butter and separator rooms, (3) cheese rooms, (4) farm dairy room, and (5) fancy cheese room.

First floor.—Department of Dairy Industry; dairy bacteriology laboratory; reading room; lunch room.

Second floor.—Lecture room 222; milk-testing laboratory; advanced testing laboratory; women's lavatory.

Third floor.—Landscape art, free-hand drawing practice room 371; meteorology office and laboratory.

Poultry Husbandry Building (east of Dairy Building and Forestry Building)

Basement.—Incubator cellar; cold storage rooms; killing room and poultry marketing equipment; shipping crates; packages.

First floor.—Egg room; poultry mechanics room; men's lavatory; lunch room; mammoth incubator.

Second floor.—Departments of Poultry Husbandry and Vegetable Gardening; Junior Project Leader's Office; poultry reading room; poultry exhibit 280; women's lavatory.

Third floor.—Lecture rooms 325 and 375; laboratories 300 and 350; potato exhibit.

First, second, and third floor corridors.—Poultry guessing contests.

Home Economics Building (north of Roberts Hall)

Basement.—Cafeteria; men's lavatory; costume shop.

First floor.—Home Economics administrative offices; offices of State Leaders of Home Demonstration Agents; classroom 100; small living apartment for practice in housekeeping.

Second floor.—Assembly room 245; food laboratories; women's lavatory; classroom 265.

Third floor.—Clothing laboratories 300, 305, 310; women's lavatory; offices of Extension in Home Economics.

Fourth floor.—Housing and design; textile laboratory; women's lavatory; clothing laboratory 450.

Farm Management Building (north and east of Dairy Building)

First floor.—Department of Agricultural Economics and Farm Management; laboratory 102; library 101; farm management exhibit.

Second floor.—Offices and laboratories; office of United States Bureau of Crop Estimate; marketing exhibit.

Rural Engineering Buildings (east of Farm Management Building and Caldwell Hall)

Rural engineering laboratories; farm mechanics exhibit; tractor exhibit; home convenience exhibits; overshot water wheel.

Greenhouses (east of Dairy Building)

Headhouse and glasshouses; floriculture lecture room, second floor of headhouse; floriculture exhibit; vegetable gardening exhibit.

Landscape Art Building (north of Rural Engineering Building)

Department of Landscape Art.

Cornell Countryman Building (west of Stone Hall and across the road)

Animal Husbandry Building (east of Poultry Husbandry Building)

Basement.—Meat laboratories; cutting and curing rooms; men's lavatory.

First floor.—Department of Animal Husbandry; lecture rooms A and B.

Second floor.—Feed laboratories; office of Supervisor of Cow Testing Association; feed exhibit.

Third floor.—Department of Rural Social Organization; laboratories; women's lavatory; library, Room E.

Stock Judging Pavilion (east of Animal Husbandry Building)

Bailey Hall (west of Home Economics Building)

Basement (entrance on north side).—Department of Plant Pathology; laboratories.

First floor.—Auditorium.

Forestry Buildings (east of greenhouses)

Basement.—Rural economy office; men's lavatory; post-treating tank; forestry museum; offices of Rural Education Department.

First floor.—Departments of Forestry and Agricultural Economics; lecture room 122; forestry exhibit.

Second floor.—Department of Plant Breeding; laboratories; women's lavatory; lecture room 210.

Third floor.—Club and lunch room; laboratories; offices; men's lavatory.

Caldwell Hall (east of Home Economics Building)

Basement.—Laboratories; men's lavatory.

First floor.—Department of Soil Technology and Agricultural Chemistry; lecture rooms 100 and 143; women's lavatory.

Second floor.—Departments of Rural Education and Rural Engineering; laboratories and classrooms; men's lavatory.

Third floor.—Soil technology offices; laboratories.

Fourth floor.—Rural education offices; laboratories.

Home Economics Lodge (north of Bailey Hall)

UNIVERSITY CAMPUS

The University Library.—The university library contains about six hundred thousand bound volumes, placed in the University Library Building located at the southwest corner of the quadrangle. The hall and the large reading room contain rare manuscripts, pictures, and many other things of great interest.

The Zoological Museum.—The zoological museum contains mounted specimens of many different kinds of animals from all parts of the world. It is located on the second and third floors of McGraw Hall.

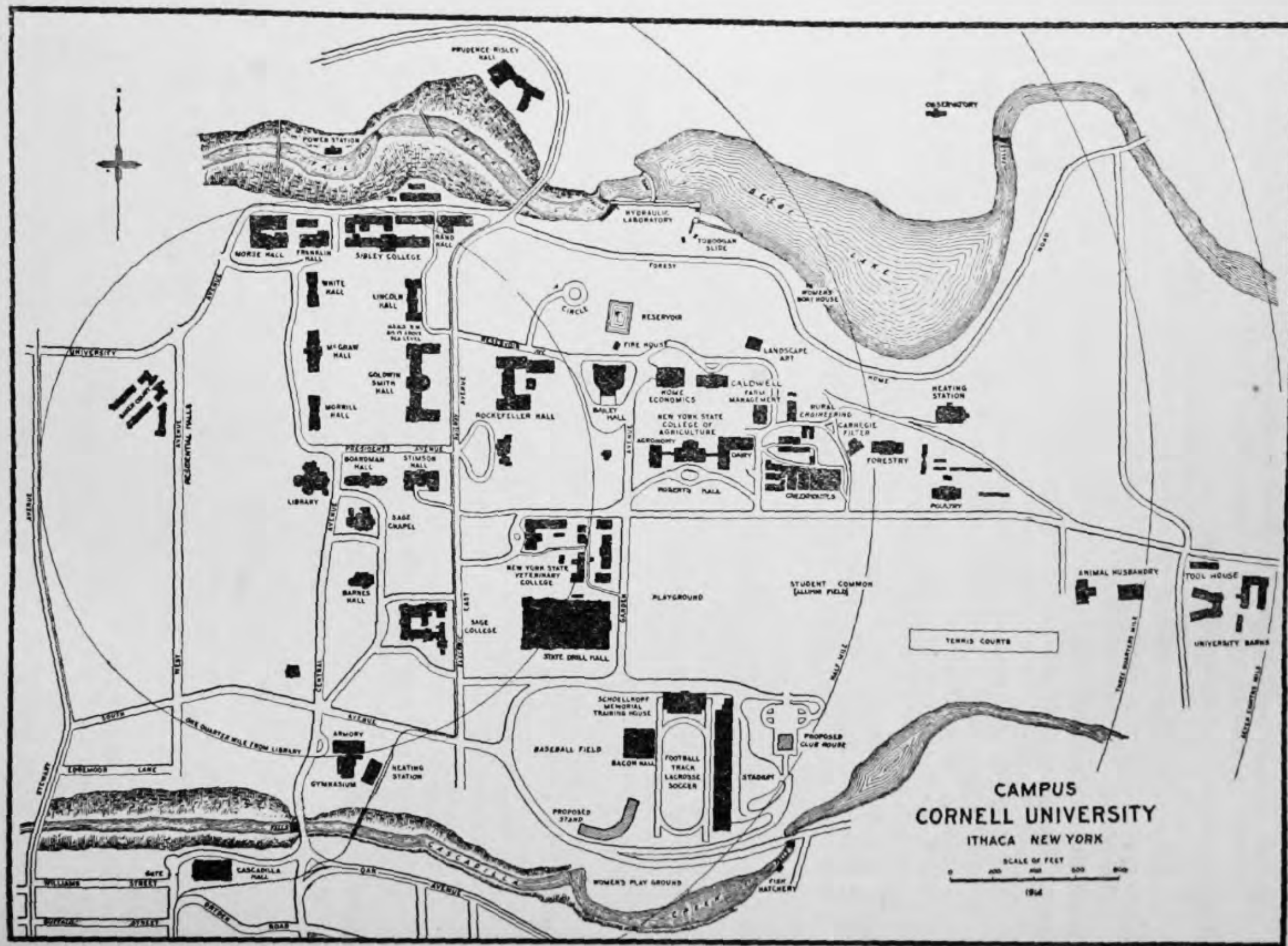
The Museum of Casts.—The museum of casts contains a large collection of casts illustrating the history of Greek and Roman sculptural art. It is located in the basement of Goldwin Smith Hall.

Sage College Conservatories.—The university conservatories are situated on East Avenue in the rear of Sage College. These conservatories contain many rare and beautiful plants and are open daily for visitors.

Sage Chapel.—Sage Chapel is located south and east of the Library. The chapel is handsomely decorated and is one of the most beautiful chapels in America.

Barnes Hall.—Barnes Hall is one of the centers of the religious work of the University and is the home of the Cornell University Christian Association. It contains a large Biblical library and reading room. There are also rest rooms.

For map of the City of Ithaca, showing the trolley system, see inside back cover



LECTURES AND DEMONSTRATIONS

MONDAY, FEBRUARY 13

(For Homemakers' Conference program, see page 25)

- 8 a. m.** Demonstration and practice in caponizing. H. E. Botsford.* Poultry 350
- 9 a. m.** How to choose and buy a farm. C. E. Ladd. Farm Management 102
Discussion: What makes a good newspaper? Led by Bristow Adams. Forestry 122
The problem of hatching vigorous chicks. L. E. Weaver. Poultry 375
- 10 a. m.** Meeting city health board requirements for market milk. J. D. Brew. Dairy 222. Repeated Wednesday at 12 m.
Soil organic matter: why so important? A. F. Gustafson. Caldwell 100. Repeated Thursday at 4 p. m.
Ways of starting farming with small capital. G. F. Warren. Farm Management 102
Round table: How to present country newspaper correspondence. Forestry 122
The preservative treatment of fence posts and other farm timber. C. H. Guise. Forestry 210. Repeated Saturday at 10 a. m.
Feeding and management of poultry for breeding purposes. G. F. Heuser. Poultry 375
- 11 a. m.** Why some farms pay better than others. W. I. Myers. Farm Management 102
Hot and cold running water in the home. F. G. Behrends. Caldwell 143. Repeated Friday at 11 a. m.
The normal growth curve in rearing chickens and how to produce it. G. F. Heuser. Poultry 375
Methods of making dairy products on the farm. W. E. Ayers. Dairy 222
Selling newspaper circulation. M. V. Atwood. Forestry 122
- 12 m.** Demonstration: How a gas engine works, and why. F. L. Fairbanks. Caldwell 100. Repeated Thursday at 9 a. m.
Round table: Building newspaper circulation. Forestry 122
- 1 p. m.** Motion pictures. Bailey Auditorium
Poultry guessing contests (thruout the day). C. Sandford. Corridors of Poultry Building
Regular laboratory exercises and demonstrations in the dairy manufacturing rooms (until 5 p. m.). Dairy Laboratories
Conference with farmers and students to arrange for employment. Office of Farm Practice. Stone Hall
- 2 p. m.** Address of welcome. Dean A. R. Mann. Roberts Assembly
What kind of farm accounts shall I keep? C. E. Ladd. Farm Management 102
The farm ice house. (Illustrated.) A. M. Goodman. Caldwell 143
Round table: Ethical standards for newspapers. Forestry 122
Demonstration: Soldering. George Lyon. Farm Mechanics Laboratory
Demonstration: Some results in horse breeding. M. Morton and G. Haines. Animal Husbandry A

*Unless otherwise indicated, all speakers and demonstrators are members of the staff of Cornell University.

- 3 p. m. Potatoes: selection as a means of improvement. C. H. Myers. Roberts Assembly. Repeated Thursday at 9 a. m.
 The outlook for orcharding. J. Oskamp. Roberts 292
 Variations in the fat test. H. C. Troy. Dairy 222. Repeated Friday at 11 a. m.
 Essentials for improving New York State pastures. J. H. Barron. Caldwell 100. Repeated Wednesday at 4 p. m.
 How to take a farm inventory and make out a credit statement. C. V. Noble. Farm Management 102. Repeated Wednesday at 2 p. m.
 Poultry farming for women. Mrs. Maud Muller, Willow Creek, New York. Poultry 375
 Agricultural publicity. W. P. Kirkwood, Agricultural Editor, University of Minnesota, St. Paul, Minnesota. Forestry 122
 Good and bad features of some commonly used log rules. J. Bentley, Jr. Forestry 210
 Demonstration: Overhauling an engine, grinding valves, fitting piston rings, and cutting gaskets. R. E. Britt and H. M. Francis. Farm Mechanics Laboratory
- 4 p. m. Home mixing of fertilizers: why and how. E. L. Worthen. Caldwell 100. Repeated Thursday at 9 a. m.
 The farm home orchard. G. W. Peck. Roberts 292
 How to keep a simple record of farm receipts and expenses. C. E. Ladd. Farm Management 102. Repeated Wednesday at 3 p. m.
 Lecture and demonstration: Care of the milking machine on the farm. J. D. Brew. Dairy 222. Repeated daily at 4 p. m.
 Demonstration: Farm blacksmithing. H. Asmus. Farm Mechanics Laboratory
 Round table: What about farm news? Forestry 122
 Demonstration: Buying and mixing feeds (at 4:30 p. m.). E. S. Savage. Animal Husbandry E
 Motion pictures. Animal husbandry and dairy films. Animal Husbandry A
 Poultry demonstrations:
 Practice in balancing rations for special purposes to meet varying feed prices. G. F. Heuser. Poultry 325
 Practice in handling systems and devices for lighting poultry houses. F. L. Fairbanks and W. G. Krum. Poultry 350
 Practice in selecting hens, pullets, and male birds for breeding. O. B. Kent. Poultry 300
 Practice in poultry farm records and accounts. H. E. Botsford. Poultry Library, second floor
 Practice in candling, grading, and packing eggs for market. Esther Cornwall. Poultry 100
 Practice in marketing live and dressed poultry. H. G. F. Hamann, Killing Room, Poultry Basement

Evening

- 6 p. m. Dinner: Newspaper conference. (Place to be announced.)
 The Empire State Sod Busters Smoker. Ithaca Hotel.
 6:30 p. m. Social and recreation hour. Home Economics 245
 8 p. m. Winter course prize-speaking contest. Winter Course Club debate.
 Music by the Winter Course Club. Roberts Assembly

TUESDAY, FEBRUARY 14

(For Homemakers' Conference program, see page 25)

- 8 a. m.** Demonstration and practice in caponizing. H. E. Botsford. Poultry 350
- 9 a. m.** Managing a swine herd to prevent diseases. R. R. Birch. Animal Husbandry A
- Better seed: a program for the production and distribution of better seeds in New York agriculture. F. P. Bussell. Forestry 210
- The farm fertilizer factory. E. L. Worthen. Caldwell 100. Repeated Saturday at 11 a. m.
- Yield of dairy products and the four-cent differential. H. E. Ross. Dairy 222. Repeated Saturday at 10 a. m.
- The feeding of plants. L. J. Cross. Roberts Assembly
- Varieties of apples and planting suggestions. G. W. Peck. Roberts 292
- The home vegetable garden. R. M. Adams. Roberts 392
- How New York State farms. E. G. Misner. Farm Management 102
- Fuels and carburetors. F. G. Behrends. Caldwell 143
- Garden plans. Lua A. Minns. Floriculture Building
- Round table: Community service by the press. Forestry 122
- Chicken pox and kindred diseases and how to combat them. Dr. J. W. Fuller. Poultry 375
- Demonstration: Lightning and lightning rods. A. M. Goodman. Farm Mechanics Laboratory
- Demonstration: Some results in horse breeding (until 11 a. m.). M. Morton and G. Haines. Horse Barns
- 10 a. m.** What the wool market requires of the New York State farmer. F. E. Robertson, Manager, New York State Federation of County Sheep Growers' Cooperative Associations, Incorporated, Utica, New York. Roberts Assembly
- Relation of bacteria count to the price of milk. W. H. Marcussen, Borden Milk Company, New York City. Dairy 222
- Tropical fruits which may compete with deciduous fruits in northern markets. L. H. McDaniels. Roberts 292
- Growing early vegetable plants. H. W. Schneck. Roberts 392
- Forum: The lime situation in New York agriculture (until 12 m.). A. F. Gustafson, E. L. Worthen, and J. H. Barron. Caldwell 100
- Plant material for the garden. (Illustrated.) A. H. Nehrling. Floriculture Building
- How the forest comes back after cutting. S. N. Spring. Forestry 210
- Practical experiences in securing high egg yield during periods of high prices by means of selection, feeding, and illumination. John Rockwell, Ithaca, New York. Poultry 375
- Demonstration: Hog type and pork production. R. B. Hinman. Swine Barns
- Demonstration: Overhauling an engine, grinding valves, fitting piston rings, and cutting gaskets. R. E. Britt and H. M. Francis. Farm Mechanics Laboratory
- Round table: Dairy barn arrangement, construction, and ventilation. H. W. Riley and C. E. Ladd. Farm Management 102
- Conference of state organizations engaged in rural social work (until 1 p. m.). Roberts 202

- Conference with recreation leaders. C. W. Whitney. Animal Husbandry, fourth floor
- Round table: How to develop advertising. Forestry 122
- 11 a. m. Prices of farm products and probable future prices. G. F. Warren. Roberts Assembly. Repeated Saturday at 11 a. m.
- Small fruits. O. M. Taylor, New York State Experiment Station, Geneva, New York. Roberts 292
- Factors influencing the yield of potatoes. E. V. Hardenburg. Roberts 392
- Why milk is refused at the receiving station. J. D. Brew. Dairy 222. Repeated Friday at 1 p. m.
- Iris gardens and the garden iris. (Illustrated.) A. W. Sand. Floriculture Building
- Maple sugar making as a profitable part of farm operation. G. H. Collingwood. Forestry 210. Repeated Saturday at 11 a. m.
- How to select male birds for breeding purposes. O. B. Kent. Poultry 375
- Conference of swine growers (until 1 p. m.). R. B. Hinman, leader. Animal Husbandry A
- Round table: Some points in newspaper typography. Forestry 122
- Demonstration: Installing a hot and cold water system in a kitchen. F. G. Behrends and N. D. Steve. Farm Mechanics Laboratory
- 12 m. Pressing problems in the state service in agriculture. Berne A. Pyrke, Commissioner of Farms and Markets, Albany, New York. Roberts Assembly
- Water power from a small stream. J. C. McCurdy. Caldwell 100
- Some effects on farm management of the use of tractors, under New York conditions. W. I. Myers. Farm Management 102. Repeated Friday at 11 a. m.
- Sweet peas and their culture. Edwin Jenkins, Superintendent, Bellefontaine Gardens, Lenox, Massachusetts. Floriculture Building
- Demonstration: Harness repairing. L. M. Roehl. Farm Mechanics Laboratory
- Round table: Do editorials pay? Forestry 122
- 1 p. m. Motion pictures. Bailey Auditorium
- Poultry guessing contests (thruout the day). C. Sandford. Corridors of Poultry Building
- Sources and control of bacteria in milk. W. A. Stocking. Dairy 222. Repeated Friday at 12 m.
- Demonstration: Testing a tractor for belt horse power. R. E. Britt and F. B. Wright. Farm Mechanics Laboratory
- Regular laboratory exercises and demonstrations in the dairy manufacturing rooms (until 5 p. m.). Dairy Laboratories
- New York Cooperative Seed Potato Association, Incorporated. See page 21
- Conference with farmers and students to arrange for employment. Office of Farm Practice. Stone Hall
- 2 p. m. The world's need and America's responsibility. Livingston Farrand, President of the University. Bailey Auditorium
- How to keep an account to determine the cost of milk production. E. G. Misner. Farm Management 102
- Conference: The cooperative purchase of ready mixed feeds and straight by-products. E. S. Savage. Animal Husbandry A

Demonstration: Killing hogs. R. G. Knapp. Animal Husbandry Slaughtering Rooms

Conference of state organizations engaged in rural social work (until 5 p. m.). Roberts 202

3 p. m. The automobile as a facility for marketing farm products. T. C. Powell, Vice President, Erie Railroad, New York City. Roberts Assembly
Tuberculosis: its nature and control. (Illustrated.) V. A. Moore, Dean, New York State College of Veterinary Medicine. Animal Husbandry A
Grape culture. F. E. Gladwin, New York State Experiment Station, Geneva, New York. Roberts 292

Tomato growing in New York. H. S. Mills. Roberts 392

Disposal of sewage at dairy plants. C. L. Walker. Dairy 222

Oats for New York: the comparative results of some new strains and varieties. H. H. Love. Forestry 210

The present condition of agriculture and business. F. A. Pearson. Farm Management 102

Explosives in agriculture. B. B. Robb. Caldwell 143

Gladioli for the garden. (Illustrated.) A. C. Beal. Floriculture Building.

Breeding to increase flock production. O. B. Kent. Poultry 375

Village improvement and community planning. (Illustrated.) E. G. Davis. Landscape Art Lecture Room

Demonstration: Sharpening saws and other farm woodworking tools. L. M. Roehl. Farm Mechanics Laboratory

4 p. m. Readings. M. W. Sampson, Head of English Department, Cornell University. Roberts Assembly

Experience of western fruit growers in the control of fire blight of pears. R. E. Hoerner. Roberts 292

Field-bean problems in New York. E. V. Hardenburg. Roberts 392

Sewage disposal for the farm. (Illustrated.) H. W. Riley. Caldwell 100

Some factors in success with meadows. J. H. Barron. Caldwell 143

Question box: Farm Management problems. G. F. Warren. Farm Management 102. Repeated Thursday at 4 p. m.

Demonstration: Care of the milking machine on the farm. J. D. Brew. Dairy 222

Demonstration: Buying and mixing feeds (at 4:30 p. m.). E. S. Savage. Animal Husbandry E

Demonstration: Wiring a gas engine battery ignition system. R. E. Britt and H. M. Francis. Farm Mechanics Laboratory

Motion pictures: Animal husbandry and dairy films. Animal Husbandry A

Poultry demonstrations:

Practice in balancing rations for special purposes to meet varying feed prices. G. F. Heuser. Poultry 325

Practice in handling systems and devices for lighting poultry houses. W. G. Krum. Poultry 350

Practice in selecting hens, pullets, and male birds for breeding. O. B. Kent. Poultry 300

Practice in poultry farm records and accounts. H. E. Botsford. Poultry Library, second floor

Practice in candling, grading, and packing eggs for market. Esther Cornwall. Poultry 100

Practice in marketing live and dressed poultry. H. G. F. Hamann.
Poultry Killing Room, Poultry Basement

5 p. m. Birds in relation to man. (Illustrated by motion pictures.) A. A. Allen. Roberts Assembly

Practice in rope splicing and knot tying. B. B. Robb. Caldwell 100

Motion pictures: Farm mechanics films. Farm Mechanics Laboratory

Evening

6:30 p. m. Social and recreation hour. Home Economics 245

7½ p. m. Demonstration: Principles of the wireless telephone and telegraph shown and explained. A part of the concert in Bailey Auditorium will be reproduced. H. W. Riley and J. F. Francis. Caldwell 100

8 p. m. Concert by the Cornell University Orchestra. George L. Coleman, conductor. No admission fee. Bailey Auditorium

WEDNESDAY, FEBRUARY 15

(For Homemakers' Conference program, see page 25)

8 a. m. Demonstration and practice in caponizing. H. E. Botsford. Poultry 350

9 a. m. Insect pests of corn and their control. E. P. Felt, State Entomologist, Albany, New York. Dairy 222

Results of tuber index. F. C. Stewart, New York State Experiment Station, Geneva, New York, and F. M. Blodgett. Roberts 202

Is cooperation for savings or for price fixing? J. E. Boyle. Roberts Assembly

Maintaining fertility on vegetable farms. H. C. Thompson. Roberts 392

Is the addition of sulphur as a plant food necessary in New York State? A. F. Gustafson. Caldwell 100

Preventing decay in farm timbers by treating with coal-tar creosote. C. H. Guise. Forestry 210

Some facts regarding rural health. W. S. Thompson. Forestry 122

The use and abuse of illumination in the control of egg production. J. E. Rice. Poultry 375

Pruning and protecting roses. A. C. Beal. Floriculture Building

Some successful New York dairy farms. E. G. Misner. Farm Management 102

Concrete on the farm. (Illustrated.) J. C. McCurdy. Caldwell 143

Planning the home grounds. (Illustrated.) E. G. Davis. Landscape Art Lecture Room

Demonstration: Some results in horse breeding (until 11 a. m.). M. Morton and G. Haines. Horse Barn

Contest: Locating gas engine troubles. R. E. Britt and F. B. Wright. Farm Mechanics Laboratory

Demonstration: Selecting pipe and tools, and pipe fitting. F. G. Behrends. Farm Mechanics Laboratory

10 a. m. Cooperative marketing of agricultural products. Aaron Sapiro, New York City. Roberts Assembly

Agencies available for the improvement of health in rural communities. Ellen A. Reynolds. Forestry 122

The practice of forestry in Europe. R. S. Hosmer. Forestry 210
 English flower gardens, large and small. (Illustrated.) E. A. White. Floriculture Building
 Sweet clover: annual and biannual. J. H. Barron. Caldwell 143
 How to get good vegetable seeds. Paul Work. Roberts 392
 Orchard soil management. A. J. Heinicke. Roberts 292
 The chemistry of lime. L. J. Cross. Caldwell 100
 Potato varieties for New York. E. V. Hardenburg. Roberts 202
 How to pick out the best hens for breeding. W. G. Krum. Poultry 375
 How to use crop and market reports. C. E. Ladd. Farm Management 102
 The rural school survey, presented by the Joint Committee on Rural Schools. George Dunn, of the State Grange, presiding (until 12 m.). Dairy 222.
 See page 22
 Demonstration: Putting up line shafting and determining pulley sizes. N. D. Steve. Farm Mechanics Laboratory
 Demonstration: Lamb type and meat production. W. T. Grams. Sheep Barn

11 a. m. Usefulness of the country bank. Henry Burden, Banker, Cazenovia, New York. Roberts Assembly

Pruning young trees. W. H. Chandler. Roberts 292
 Relation of dairy products to human diseases. V. A. Moore, Dean, New York State College of Veterinary Medicine. Roberts 392
 The farm fertilizer factory. E. L. Worthen. Caldwell 143
 Outdoor rose growing as a recreation. (Illustrated.) Dr. E. M. Mills, Syracuse, New York. Floriculture Building
 What is plant food and where does it come from? O. F. Curtis. Stone 192
 Rural health needs. Homer Folks, Secretary, State Charity Aid Association, New York City. Forestry 122
 The cost of producing milk and some factors affecting this cost. E. G. Misner. Farm Management 102
 Water supply systems. (Illustrated.) F. G. Behrends. Caldwell 100
 The white pine blister rust: importance and means of control. G. H. Collingwood. Forestry 210
 Insects injurious to domestic animals. Robert Matheson. Animal Husbandry A
 Six years of progress in the control of potato diseases. Charles Chupp. Roberts 202
 How to install lights in poultry houses. (Illustrated by control appliances and charts showing efficient and inefficient installation.) F. L. Fairbanks. Poultry 375
 Plants for the home grounds. J. P. Porter. Landscape Art Lecture Room.
 Conference of sheep breeders (until 1 p. m.). W. T. Grams, leader. Animal Husbandry C
 Conference with recreation leaders. C. W. Whitney. Animal Husbandry, fourth floor
 Demonstration: Low tension gas-engine ignition and ignition timing. A. M. Goodman. Farm Mechanics Laboratory

12 m. The value of experimental work. R. W. Thatcher, Director, New York State Experiment Station, Geneva, New York. Roberts Assembly
 Control of some apple, potato, and cabbage insects by spraying and dusting. P. J. Parrott, New York State Experiment Station, Geneva, New York. Roberts 292

The standards of living of four hundred farm homes in Livingston County
E. L. Kirkpatrick. Forestry 122

Meeting city health-board requirements for market milk. J. D. Brew.
Dairy 222

Demonstration: Gas engine timing. J. F. Francis. Farm Mechanics
Laboratory

1 p. m. Motion pictures. Bailey Auditorium

Composition and testing of dairy products. L. L. Van Slyke, New York
State Experiment Station, Geneva, New York. Dairy 222

Demonstration: Testing a tractor for belt horse power. R. E. Britt and
F. B. Wright. Farm Mechanics Laboratory

Poultry guessing contest (thruout the day). C. Sandford. Corridors of
the Poultry Building

New York Cooperative Seed Potato Association, Incorporated. Roberts
202. See page 21

2 p. m. The two greatest world's records. L. F. Pilcher, State Architect,
Albany, New York. Bailey Auditorium

How to take a farm inventory and make out a credit statement. L. Spencer.
Farm Management 102

Pageants for rural communities. (Illustrated.) Abigail F. Halsey, Ithaca,
New York. Forestry 122

Demonstration: Killing lambs. R. G. Knapp. Animal Husbandry A

Regular laboratory exercises and demonstrations in dairy manufacturing
rooms (until 5 p. m.). Dairy Laboratories

3 p. m. New and noteworthy fruits. U. P. Hedrick. New York State Exper-
iment Station, Geneva, New York. Roberts 292

The flower garden and its color effect. (Illustrated.) Edwin Jenkins,
Floriculture Building

A square deal for rural children. C. H. Johnson, Secretary, State Board of
Charities, Albany, New York. Forestry 122

The results of breeding for disease resistance in garden beans. R. A. Emer-
son. Forestry 210

The opportunity for New York farmers to market their potatoes and cab-
bage cooperatively. K. C. Livermore, President, Empire State Potato
Growers' Cooperative Association, Inc., Honeoye Falls, New York.
Roberts Assembly

What the milk consumers expect from the milk producer and distributor.
T. J. McInerney. Dairy 222

Forum: Fertilizers. E. L. Worthen, A. F. Gustafson, and J. H. Barron.
Caldwell 143

Cabbage growing in New York. Discussion led by H. C. Thompson. Rob-
erts 392

Electric lighting plants on the farm (until 5 p. m.). H. W. Riley. Cald-
well 100

How to keep a simple record of farm receipts and expenses. M. P. Rasmus-
sen. Farm Management 102

The development of a plan for poultry organization in New York State.
L. M. Hurd. Poultry 375

Demonstration: Farm blacksmithing. Henry Asmus. Farm Mechanics
Laboratory

Contest: Farmers' competitive cow judging. H. H. Wing. Judging Pavilion

Demonstration: Treating fence posts with creosote. C. H. Guise. Forestry Basement

4 p. m. We must fit ourselves for the job. H. W. Collingwood, Editor, The Rural New Yorker, New York City. Roberts Assembly

Conference on land bank problems. E. H. Thomson, President, Federal Land Bank, Springfield, Massachusetts. Farm Management 102

Selecting fruit for exhibition. L. H. McDaniels. Roberts 292

Diseases of cabbage and cauliflower. I. H. Vogel. Roberts 392

Essentials for improving New York State pastures. J. H. Barron. Caldwell 143

The county library movement. Mildred H. Pope, Library Organizer, State Education Department, Albany, New York. Forestry 122

Corn for grain and silage: a review of the experimental work with corn for 1921. F. P. Bussell. Forestry 210

Motion pictures: Animal husbandry and dairy films. Animal Husbandry A

Demonstration: Buying and mixing feeds (at 4:30 p. m.). E. S. Savage. Animal Husbandry E

Poultry demonstrations:

Practice in balancing rations for special purposes to meet varying feed prices G. F. Heuser. Poultry 325

Practice in handling systems and devices for lighting poultry houses. W. G. Krum. Poultry 350

Practice in selecting hens, pullets, and male birds for breeding. O. B. Kent. Poultry 300

Practice in poultry farm records and accounts. H. E. Botsford. Poultry Library, second floor

Practice in candling, grading, and packing eggs for market. Esther Cornwall. Poultry 100

Practice in marketing live and dressed poultry. H. G. F. Hamann. Poultry Killing Room, Poultry Basement

Demonstration: Care of the milking machine on the farm. J. D. Brew. Dairy 222

Cornell Dairy Student's Association. Dairy 119. See page 23

5 p. m. Community sing. C. W. Whitney. Roberts Assembly

Practice in belt lacing. R. E. Britt. Farm Mechanics Laboratory

Motion pictures: Farm mechanics film. Farm Mechanics Laboratory

Evening

6 p. m. Round-Up Club banquet. Room to be announced

6:30 p. m. Annual banquet of the Cornell Dairy Students' Association. Dairy E 152

Social and recreation hour. Home Economics 245

7:30 p. m. Banquet: Farm and Home Bureau Managers. Ithaca Hotel

8 p. m. Kermis: A play written and produced by students of the College. (An admission fee will be charged and the proceeds will be used for student activities.) Bailey Auditorium

THURSDAY, FEBRUARY 16

(For homemakers' Conference program, see page 25)

- 8 a. m.** Demonstration and practice in caponizing. H. E. Botsford. Poultry 350
- 9 a. m.** What the State Department of Farms and Markets is doing for the dairy industry. George E. Hogue, Commissioner of Agriculture, Albany, New York. Dairy 222
- How to grow alfalfa. J. H. Barron. Roberts Assembly
- Potatoes: selection as a means of improvement. C. H. Myers. Roberts 292
- The anatomy of the genital organs of the cow. Dr. G. S. Hopkins. Animal Husbandry A
- A message to the farmers from a New York egg receiver. E. W. Benjamin. Poultry 375
- Home mixing of fertilizers: why and how. E. L. Worthen. Caldwell 143
- What to do to control smut of wheat and other cereals. R. S. Kirby. Roberts 392
- Water power from a small stream. F. L. Fairbanks. Caldwell 100
- Some successful general farms in New York. E. G. Misner. Farm Management 102
- How a gas engine works, and why. F. G. Behrends. Farm Mechanics Laboratory
- Play for the country. C. W. Whitney. Forestry 122
- Round table: The planning and planting of the home and school grounds (until 11 a. m.). E. G. Davis and J. P. Porter. Landscape Art Lecture Room
- 10 a. m.** Rural school survey, presented by the Joint Committee on Rural Schools. Mrs. A. E. Brigden, Home Bureau Federation, presiding (until 12 m.). Roberts Assembly. See page 22
- Why the milk producer is interested in the distribution of milk in the city. C. A. Weiant, Assistant General Manager, Dairymen's League Cooperative Association, Inc., New York City. Dairy 222
- How Michigan handles fifteen million pounds of seed a year. A. L. Bibbins, Manager, Seed Department, Grange League Federation Exchange, Inc., Syracuse, New York. Caldwell 100
- Wheat and barley: a summary of eight years work in cereal testing. H. H. Love. Roberts 392
- Some recent promising control measures for the cabbage maggot and peach tree borer. G. W. Herrick. Roberts 292
- How to get the most from farm manure. A. F. Gustafson. Caldwell 143
- Diseases of florist's crops. L. M. Massey. Floriculture Building
- Rural community houses. (Illustrated.) Dwight Sanderson. Forestry 122
- Forest planting on farm lands not suitable for agricultural crops. S. N. Spring. Forestry 210
- Controlling sex in animals. George Haines. Animal Husbandry A
- Practical methods of reducing freight costs. H. S. Gabriel. Farm Management 102
- Methods of candling eggs to improve quality and packing eggs to reduce breakage. Esther Cornwall. Poultry 375
- Demonstration: Farm blacksmithing. Henry Asmus. Farm Mechanics Laboratory

11 a. m. The production and use of dairy products in the United States. C. W. Larsen, Chief, Dairy Division, U. S. Department of Agriculture, Washington, D. C. Dairy 222

The workings of the claim bureau of the express company, and suggestions to shippers of poultry products. J. H. Butler, Manager, Loss and Damage Department, American Railway Express Company, New York City. Poultry 375

Preparing the fruit crop of western New York for market. R. W. Rees, Field Manager, Western New York Association of Cooperative Central Packing Houses, Inc., Rochester, New York. Caldwell 100

Getting a fair price for the products of the woodlot. John Bentley, Jr. Forestry 210

Methods of flower arrangement. C. H. Fox, Florist, Philadelphia, Pennsylvania. Floriculture Building

Staging amateur dramatics. C. W. Whitney. Forestry 122

The cost of producing canning crops and some factors affecting these costs. L. J. Norton. Farm Management 102

Farm drainage. N. D. Steve. Caldwell 143

Silage corn production. J. H. Barron. Roberts 392

Conference: Dairy cattle breeders (until 1 p. m.). H. H. Wing, leader. Animal Husbandry A

Conference: Beef cattle breeders (until 1 p. m.). R. B. Hinman, leader. Animal Husbandry C

Demonstration: Installing a hot and cold water system for the kitchen. F. G. Behrends. Farm Mechanics Laboratory

12 m. Livestock parade. In front of Roberts Hall (starting at Animal Husbandry at 11:45 a. m.).

Light ahead. C. W. Burkett, Editor, American Agriculturalist, New York City. Roberts Assembly

Pruning old trees. A. J. Heinicke. Roberts 292

Production of cut flowers and pot plants in England. (Illustrated.) E. A. White. Floriculture Building

The rural church survey of Tompkins County. Dwight Sanderson. Forestry 122

Some lessons learned in cooperative marketing. H. E. Babcock. Caldwell 100

Some results of cooperative cost accounts for six years: labor, horses, and equipment. C. V. Noble. Farm Management 102

1 p. m. Motion pictures. Bailey Auditorium

The "filled milk" situation. M. D. Munn, President, National Dairy Council, Chicago, Illinois. Dairy 222

Demonstration: Testing a tractor for belt horse power. R. E. Britt and F. B. Wright. Farm Mechanics Laboratory

Poultry guessing contests (thruout the day). C. Sandford. Corridors of Poultry Building

New York Federation of Horticultural Societies and Floral Clubs. Floriculture Building. See page 24

Conference with students and farmers to arrange for employment. Office of Farm Practice. Stone Hall

- 2 p. m. Address (Subject to be announced later). A. F. Lever, Member Federal Farm Loan Board, Washington, D. C. Bailey Auditorium
- Selling dairy products through the pool. E. R. Eastman, Editor, Dairy-men's League News, Utica, New York. Dairy 222
- How to compute farm income in accordance with the income tax law. C. V. Noble. Farm Management 102
- Students' livestock show. Judging Pavilion
- 3 p. m. Alumni Association of New York State College of Agriculture (until 6 p. m.). Roberts 202. See page 21
- An analysis of the finances of the Dairymen's League Cooperative Association. C. A. Weiant. Roberts Assembly
- New York Fruit Testing Association. R. Wellington, New York State Experiment Station, Geneva, New York. Roberts 292
- Beginnings of conservation: something to eat. J. G. Needham. Roberts 392
- The outlook for the dairy farmers. H. E. Cook, Certified Milk Producer, Denmark, New York. Dairy 222
- Observations of the poultryman in Europe. (Illustrated.) J. E. Rice. Poultry 375
- Forum: Farm crop rotations. J. H. Barron, E. L. Worthen, and A. F. Gustafson. Caldwell 100
- Vitamines in foods. L. J. Cross. Caldwell 143
- Costs and uses of motor trucks on New York farms. V. B. Hart. Farm Management 102
- Round table discussion of rural community organization. How community activities are organized and results accomplished (until 5 p. m.). Dwight Sanderson; W. A. Weeks, Clarence, New York; F. E. Terwilliger, Lisle, New York; and D. B. Lisle, Holland Patent, New York. Forestry 122
- Round table: Farm forestry problems: harvesting and marketing; planting; and the maple-sugar industry. G. H. Collingwood. Forestry 210
- Demonstration: Timing a magneto on a small gas engine. A. M. Goodman. Farm Mechanics Laboratory
- Demonstration: Selection, care, and use of farm carpentry tools. L. M. Roehl. Farm Mechanics Laboratory
- 4 p. m. A walking trip through William Tell's Switzerland. (Illustrated by colored slides.) Anna Botsford Comstock. Roberts Assembly
- The relation of storage to the farmers' marketing problem. H. D. Phillips, Department of Farms and Markets, Albany, New York. Caldwell 100
- Soil organic matter: why so important? A. F. Gustafson. Caldwell 143
- Question box: Farm management problems. G. F. Warren. Farm Management 102
- Cider and vinegar. F. E. Rice. Roberts 292
- Demonstration: Care of the milking machine on the farm. J. D. Brew. Dairy 222
- Demonstration: Selection, care, and use of tools for repair of farm machinery. F. L. Fairbanks. Farm Mechanics Laboratory
- Demonstration: Buying and mixing feeds (at 4:30 p. m.). E. S. Savage. Animal Husbandry E
- Motion pictures: Animal husbandry films: "The ox warble: a fifty million dollar tune." Explained by R. W. Wells, Bureau of Entomology, U. S. Department of Agriculture, Washington, D. C. Animal Husbandry A

Alumni Association of the New York State College of Agriculture. Roberts 202

Poultry demonstrations:

Practice in balancing rations for special purposes to meet varying feed prices. G. F. Heuser. Poultry 325

Practice in handling systems and devices for lighting poultry houses. W. G. Krum. Poultry 350

Practice in selecting hens, pullets, and male birds for breeding. O. B. Kent. Poultry 300

Practice in poultry farm records and accounts. H. E. Botsford. Poultry Library, second floor

Practice in candling, grading, and packing eggs for market. Esther Cornwall. Poultry 100

Practice in marketing live and dressed poultry. H. C. F. Hamann. Poultry Killing Room, Poultry Basement

5 p. m. Organ recital. James T. Quarles, University Organist. Bailey Auditorium

How to attract birds. (Illustrated.) A. A. Allen. Roberts Assembly

Motion pictures: Farm mechanics films. Farm Mechanics Laboratory

Round table discussion: Marketing eggs. Led by E. W. Benjamin. Poultry 375

Evening

6:30 p. m. Social and recreation hour. Home Economics 245]

7:30 p. m. Informal reception and supper for all former, regular, special, and winter-course students and members of the faculty. Prudence Risley

8 p. m. The chemistry of lime. (Illustrated.) G. W. Cavanaugh. Caldwell 100

The rural school survey, presented by the Joint Committee on Rural Schools. G. A. Work, presiding. Home Economics 245

FRIDAY, FEBRUARY 17

(For Homemakers' Conference program, see page 25)

8 a. m. Demonstration and practice in caponizing. H. E. Botsford. Poultry 350

9 a. m. High-analysis versus low-analysis fertilizers. E. L. Worthen. Roberts Assembly

Some helpful hints in the propagation of plants. A. H. Nehrling. Floriculture Building

Orchard renovation. J. Oskamp. Roberts 292

The outlook for poultry farming in New York State, and how to meet it. J. E. Rice. Poultry 375

The small grains: A summary of the work in cereal breeding in wheat, oats, barley, and rye. F. P. Bussell. Roberts 392

Mineral supplements in animal feeding. L. A. Maynard. Animal Husbandry A

The nature-study program for New York State, with illustrations from the Cornell Rural School Leaflet (until 11 a. m.). E. L. Palmer. Caldwell 100

Butter for home use. E. S. Guthrie. Dairy 222

Sewage disposal for the farm. (Illustrated.) J. C. McCurdy. Caldwell 143

The propagation of trees and shrubs. C. E. Hunn. Landscape Art Lecture Room

Some successful New York fruit farms. L. J. Norton. Farm Management 102

Demonstration and practice: Belt lacing. R. E. Britt and H. M. Francis. Farm Mechanics Laboratory

Demonstrations: Meat cutting: beef at 9 a. m.; lamb at 9:30 a. m.; hogs at 10 a. m. R. G. Knapp. Animal Husbandry Slaughtering Room

10 a. m. Programs for the improvement of agriculture. G. F. Warren. Roberts Assembly

The control of mice and other rodents in the orchard. C. W. Leister. Roberts 292

Cabbage: the results of strain tests and the outlook for cabbage seed breeding. C. H. Myers. Roberts 392

Recent developments in the milking machine situation. R. S. Breed, New York State Experiment Station, Geneva, New York. Dairy 222

Some aspects of European forestry. R. S. Hosmer. Forestry 122

Mendelism as applied to animals. M. W. Harper. Animal Husbandry A

Some important factors in the care of pot plants. H. A. Pratt. Floriculture Building

Poultry farm records and accounts, with results from New York State. H. E. Botsford. Poultry 375

Barn designs. J. E. Reyna. Caldwell 143

Demonstration: Gas engine timing. N. D. Steve. Farm Mechanics Laboratory

Round table: The planning and planting of the home grounds (until 12 m.). E. G. Davis and J. P. Porter. Landscape Art Lecture Room

Conference with recreation leaders. C. W. Whitney. Animal Husbandry, fourth floor

11 a. m. Top-working and bridge-grafting fruit trees. G. W. Peck. Roberts 292

Dusting potatoes for the control of blight and rot. M. F. Barrus. Roberts 392

Variations in the fat test. H. C. Troy. Dairy 222

Items of interest to teachers which the rural school survey reveals. O. G. Brim. Caldwell 100

Modern methods of making maple sugar. G. H. Collingwood. Forestry 122

Some effects on farm management of the use of tractors, under New York conditions. W. I. Myers. Farm Management 102

Hot and cold running water in the home. F. G. Behrends. Caldwell 143

Plant companions. Lua A. Minns. Floriculture Building

The outlook for better sires. H. A. Hopper. Animal Husbandry A

Lessons from the year's experience visiting poultry farms in New York State. L. M. Hurd. Poultry 375

12 m. The A B C's of cooperative organization. H. E. Babcock. Roberts Assembly

Round table: Special orchard problems. W. H. Chandler. Roberts 292

Sources and control of bacteria in milk. W. A. Stocking. Dairy 222

Insect pests of plants in the house and flower garden. Robert Matheson.
Floriculture Building

Demonstration: Overhauling an engine, grinding valves, cutting gaskets,
and fitting piston rings. N. D. Steve and R. E. Britt. Farm Mechanics
Laboratory

1 p. m. Motion pictures. Bailey Auditorium

Why milk is refused at the receiving station. J. D. Brew. Dairy 222

Poultry guessing contests (thruout the day). C. Sandford. Corridors of
Poultry Building

Conference with farmers and students to arrange for employment. Office
of Farm Practice. Stone Hall

2 p. m. The European agricultural situation as it relates to American agri-
culture. G. F. Warren. Bailey Auditorium

How to keep an account of a crop to determine its cost of production. M. P.
Rasmussen. Farm Management 102

Demonstration: Valve grinding. J. F. Francis. Farm Mechanics Labor-
atory

Round table and demonstration: Plant receptacles; plant propagation;
soils and fertilizers; potting and shifting; sowing seeds and handling
seedlings; bulbs; books and papers (until 4:30 p. m.). Floriculture
Building

Sale of surplus stock. Judging Pavilion

3 p. m. The rural school survey, presented by the Joint Committee on Rural
Schools. W. G. McIntosh, Farm Bureau Federation, presiding.
Roberts Assembly. See page 22

Propagation of fruit trees and plants. J. Oskamp. Roberts 292

How much potash is needed for field crops. A. F. Gustafson. Caldwell 100

Modern poultry houses and appliances for New York State. H. E. Botsford.
Poultry 375

Conference on farm accounts. M. P. Rasmussen. Farm Management 102

Demonstration: Soldering. George Lyon. Farm Mechanics Laboratory

Demonstration: Installing a bathroom equipment. F. G. Behrends. Farm
Mechanics Laboratory

4 p. m. The common wild animals in New York State and their relation to
agriculture. (Illustrated.) C. W. Leister. Roberts 392

Minor legumes and supplementary silage crops. J. H. Barron. Caldwell 100

Demonstration: Care of the milking machine on the farm. J. D. Brew.
Dairy 222

Demonstration: Lightning and lightning rods. A. M. Goodman. Farm
Mechanics Laboratory

Motion pictures: Animal husbandry and dairy films. Animal Husbandry A

Demonstration: Buying and mixing feeds (at 4:30 p. m.). E. S. Savage.
Animal Husbandry E

Poultry demonstrations:

Practice in balancing rations for special purposes to meet varying feed
prices. G. F. Heuser. Poultry 325

Practice in handling systems and devices for lighting poultry houses.
W. G. Krum. Poultry 350

Practice in selecting hens, pullets, and male birds for breeding. O. B.
Kent. Poultry 300

Practice in poultry farm records and accounts. H. E. Botsford. Poultry Library, second floor

Practice in candling, grading, and packing eggs for market. Esther Cornwall. Poultry 100

Practice in marketing live and dressed poultry. H. G. F. Hamann. Killing Room, Poultry Basement

5 p. m. Community sing. C. W. Whitney. Roberts Assembly

Motion pictures: Farm mechanics films. Farm Mechanics Laboratory

Reception by the staff of the Department of Rural Education to visiting school people. Barnes Hall.

Evening

8 p. m. Eastman Stage Contest. Thirteenth annual speaking contest for prize of \$120 given by A. R. Eastman. Bailey Auditorium

SATURDAY, FEBRUARY 18

(For Homemakers' Conference program, see page 25)

8 a. m. Demonstration and practice in caponizing. H. E. Botsford. Poultry 350

9 a. m. How to get the most from farm manure. A. F. Gustafson. Caldwell 100

How some New York farmers have rearranged their farm layouts. W. I. Myers. Farm Management 102

The poultry industry on Long Island. R. C. Ogle. Poultry 375

Demonstration: Soldering. H. M. Francis. Farm Mechanics Laboratory

10 a. m. The yield of dairy products and the four-cent differential. H. E. Ross. Dairy 222

Some factors in success with meadows. J. H. Barron. Caldwell 100

The preservative treatment of fence posts and other farm timber. C. H. Guise. Forestry 122

The exportation and importation of eggs and egg products as factors in the development of the poultry industry of the United States. R. C. Bradley. Poultry 375

Results of cooperative cost accounts for six years: cost of upkeep of buildings and lands. V. B. Hart. Farm Management 102

Demonstration: Sharpening saws and other woodworking tools. L. M. Roehl. Farm Mechanics Laboratory

11 a. m. Prices of farm products and probable future prices. G. F. Warren. Roberts Assembly

The farm fertilizer factory. E. L. Worthen. Caldwell 100

Maple sugar making as a profitable part of farm operation. G. H. Collingwood. Forestry 122

Laying out a poultry farm with regard to efficiency in management. W. G. Krum. Poultry 375

CONVENTIONS AND CONFERENCES

ALUMNI ASSOCIATION OF THE NEW YORK STATE COLLEGE OF AGRICULTURE

President—F. S. BARLOW, Cooperstown, New York
 Vice president—GERALD HAMMOND, Utica, New York
 Vice president—ANNA E. HUNN, Ithaca, New York
 Vice president—R. P. McPherson, LeRoy, New York
 Secretary-treasurer—L. W. CRITTENDEN, Albany, New York
 Executive committee { I. C. H. COOK, South Byron, New York
 CLARIBEL NYE, Ithaca, New York
 H. B. KNAPP, Cobleskill, New York

THURSDAY, FEBRUARY 16

Roberts 202

- 3 p. m. Facts concerning the College of Agriculture. Dean A. R. Mann
- 4 p. m. Business session
- 7:30 p. m. Supper for all former students and faculty. Prudence[✓]Risley Dining Room. Tickets must be obtained at Information Booth, Roberts Hall, before 12 o'clock.

NEW YORK COOPERATIVE SEED POTATO ASSOCIATION, INC.

President—E. E. HULTS, Marathon, New York
 Vice president—CHARLES HUFF, Moravia, New York
 Treasurer—H. L. CROSS, Fayetteville, New York
 Manager—J. M. HURLEY, Syracuse, New York

Ninth annual meeting

TUESDAY, FEBRUARY 14

Forestry 122

- 1¹/₂ p. m. Preliminary business meeting (members and nonmembers welcome)
 Report on seed inspection and certification in 1921
 Discussion of rules and regulations for 1922
 Proposed amendments to by-laws

WEDNESDAY, FEBRUARY 15**Roberts 202**

- 1 p. m. Final business meeting
 Reports from local seed associations
 Reports of committees
 Vote on amendments
 Election of officers

RURAL EDUCATION CONFERENCE**WEDNESDAY, FEBRUARY 15****Dairy 222**

- 10 a. m. Rural school survey, presented by the Joint Committee on Rural Schools. George Dunn, of the State Grange, presiding
 (a) Some of the findings of the Committee. R. P. Snyder, State Department of Education
 (b) Recommendations of the Committee. W. G. McIntosh, Farm Bureau Federation
 Discussion (until 12 m.). Repeated Thursday at 10 a. m. and Friday at 3 p. m.

THURSDAY, FEBRUARY 16**Roberts Assembly**

- 10 a. m. Rural school survey, presented by the Joint Committee on Rural Schools. Mrs. A. E. Bridgen, Home Bureau Federation, presiding
 (a) Some of the findings of the Committee. J. E. Butterworth
 (b) Recommendations of the Committee. Mrs. A. E. Bridgen
 Discussion (until 12 m.). Repeated Friday at 3 p. m.

FRIDAY, FEBRUARY 17**Caldwell 100**

- 9 a. m. The nature-study program for New York State, with illustrations from the Cornell Rural School Leaflet (until 11 a. m.). E. L. Palmer
 11 a. m. Items of interest to teachers which the rural school survey reveals. O. G. Brim

Roberts Assembly

- 3 p. m. Rural school survey, presented by the Joint Committee on Rural Schools (until 5 p. m.). W. G. McIntosh, Farm Bureau Federation, presiding
 (a) Some of the findings of the Committee. O. G. Brim
 (b) Recommendations of the Committee. E. R. Eastman
 Discussion (until 5 p. m.)

Barnes Hall

- 5 p. m. Reception by the staff of the Department of Rural Education to visiting school people

CORNELL DAIRY STUDENTS' ASSOCIATION

President—C. S. THOMPSON, Vernon, New York (deceased)
 Vice president—C. R. OWENS, Freedom, New York
 Secretary—HERMAN L. WILLIAMS, Delhi, New York
 Assistant secretary—E. R. HARGREAVE, Boonville, New York
 Treasurer—J. H. LEWIS, Jordan, New York
 Secretary at the College—W. E. AYRES, Ithaca, New York

WEDNESDAY, FEBRUARY 15

Dairy 119

4-6 p. m. Annual business meeting, election of officers, and round table

Dairy E152

6:30 p. m. Annual banquet of the Cornell Dairy Students' Association

THURSDAY, FEBRUARY 16

Dairy 222

9 a. m. What the State Department of Farms and Markets is doing for the dairy industry. George E. Hogue
 10 a. m. Why the milk producer is interested in the distribution of milk in the city. C. A. Weiant
 11 a. m. The production and use of dairy products in the United States. C. W. Larson
 1 p. m. The "filled milk" situation. M. D. Munn
 2 p. m. Selling dairy products through the pool. E. R. Eastman
 3 p. m. The outlook for the dairy farmers. Dean H. E. Cook
 4 p. m. Care of the milking machine on the farm. (Demonstration.) J. D. Brew

COMMUNITY NEWSPAPER INSTITUTE

MONDAY, FEBRUARY 13

Forestry 122

9 a. m. What makes a good newspaper. Discussion, led by Bristow Adams
 10 a. m. How to present country newspaper correspondence. Round-table discussion
 11 a. m. Selling newspaper circulation. M. V. Atwood
 12 m. Building newspaper circulation. Round-table discussion
 2 p. m. Ethical standards for newspapers. Round-table discussion
 3 p. m. Agricultural publicity. W. P. Kirkwood
 4 p. m. What about farm news? Round-table discussion
 6 p. m. Newspaper dinner, with the journalism students

TUESDAY, FEBRUARY 14

Forestry 122

9 a. m. Community service by the press. Round-table discussion
 10 a. m. How to develop advertising. Round-table discussion
 11 a. m. Some points in newspaper typography. Round-table discussion
 12 m. Do editorials pay? Round-table discussion

THIRD RURAL COMMUNITY CONFERENCE

WEDNESDAY, FEBRUARY 15

Forestry 122

Morning session—Rural health

- 9 a. m. Some facts regarding rural health. W. S. Thompson
- 10 a. m. Agencies available for the improvement of health in rural communities. Ellen A. Reynolds
- 11 a. m. Rural health needs. Homer Folks
- 12 m. The standards of living of four hundred farm homes in Livingston County. E. L. Kirkpatrick

Afternoon session—Community activities

- 2 p. m. Pageants for rural communities. (Illustrated.) Abigail F. Halsey
- 3 p. m. A square deal for rural children. C. H. Johnson
- 4 p. m. The county library movement. Mildred H. Pope

THURSDAY, FEBRUARY 16

Morning session—Rural recreation

- 9 a. m. Play for the country. C. W. Whitney
- 10 a. m. Rural community houses. (Illustrated.) Dwight Sanderson
- 11 a. m. Staging amateur dramatics. C. W. Whitney
- 12 m. The rural church survey of Tompkins County. Dwight Sanderson

Afternoon session—Community organization

- 3-5 p. m. Round-table discussion of rural community organization. How community activities are organized and results accomplished. Dwight Sanderson, Ithaca, N. Y.; W. A. Weeks, Clarence, N. Y.; F. E. Terwilliger, Lisle, N. Y.; D. B. Lisle, Holland Patent, N. Y.

NEW YORK FEDERATION OF HORTICULTURAL SOCIETIES AND FLORAL CLUBS

THURSDAY, FEBRUARY 16

Floriculture Building

- 10 a. m. Diseases of florist's crops. L. M. Massey
- 11 a. m. Methods of flower arrangement. Charles Henry Fox
- 12 m. Production of cut flowers and pot plants in England. (Illustrated.) E. A. White
- 1 p. m. Luncheon to delegates of the New York Federation of Horticultural Societies and Floral Clubs, followed by a business session. F. R. Pierson, President; A. H. Nehrling, Secretary

HOMEMAKERS' CONFERENCE

Home Economics Building

MONDAY, FEBRUARY 13

Tompkins County Day

(All others are invited)

- 3 p. m.** Health standards for Tompkins County children. Dr. Amy Louise Daniels, Child Welfare Research Station, Iowa University, Iowa City, Iowa. Room 245
The lecture will be followed by a reception in the Home Economics Apartment to those attending the Homemakers' Conference.
- 6:30-7:30 p. m.** Social hour. Room 245

TUESDAY, FEBRUARY 14

- 9 a. m.** Health habits and the home. Ellen A. Reynolds. Room 245
Labor-saving equipment. Ruth Kellogg. Room 300
- 10 a. m.** Problems in dress design. Beulah Blackmore. Room 245
Home projects in nutrition. Flora Thurston. Room 100
- 11 a. m.** A shopping trip. Annette Warner. Room 245
- 12 m.** Child training: the importance of the earliest years. Alma Binzel. Room 245
Meal planning. Winifred Moses. Room 100
- 1 p. m.** Motion pictures. Bailey Hall
- 2 p. m.** The world's need and America's responsibility. Livingston Farland, President of the University. Bailey Hall
- 3 p. m.** Child feeding: results obtained in feeding experiments with children. Dr. Amy Louise Daniels. Room 245
The selection of textiles. Ruth Jakway. Room 100
- 4 p. m.** Standards in preparing food. Mrs. Jessie Boys and Lucile Brewer. Room 245
- 6:30-7:30 p. m.** Social hour. Room 245

WEDNESDAY, FEBRUARY 15

- 9 a. m.** Problems of the home dressmaker. Doris Schumaker. Room 245
Vitamines and protective foods. Mary Henry. Room 100
A continuous demonstration in food preparation. In charge of Rena Roberts (until 1 p. m.). Room 200
- 10 a. m.** What it means to be a good engineer for the human machine. Flora Rose. Room 245
Your clothing problems. Clothing Staff. Room 305
- 11 a. m.** Child feeding: what shall we feed our children to give best results? Dr. Amy Louise Daniels. Room 245
Your clothing problems. Clothing Staff. Room 305

- 12 m. Child training: some good and bad investments in inheritance. Alma Binzel. Room 245
Labor-saving equipment. Ruth Kellogg. Room 300
- 1 p. m. Motion pictures. Bailey Hall
- 2-5 p. m. Hospitality in the home and in the community; the community dinner; socials and parties; simple home service. Home Economics staff. Room 245
- 4-6 p. m. The Home Economics Lodge will be open for inspection. In charge of Marion Fleming and Rena Roberts
- 6:30-7:30 p. m. Social hour. Room 245

THURSDAY, FEBRUARY 16

- 9 a. m. Community housekeeping. Mrs. Ruby Green Smith. Room 245
Your food and nutrition problems. Foods and Nutrition Staff. Room 305
- 10 a. m. Special problems in feeding human beings. Dr. Amy Louise Daniels. Room 245
Labor-saving equipment. Ruth Kellogg. Room 300
- 11 a. m. An analysis of the homemaker's job. Martha Van Rensselaer. Room 245
Your clothing problems. Clothing Staff. Room 305
- 12 m. Posture and corrective exercises. Edith Casho. Room 245
Your foods and nutrition problems. Foods and Nutrition Staff. Room 305
- 1 p. m. Motion pictures. Bailey Hall
- 2 p. m. Opening of the question box. Room 245
- 3 p. m. Education for girls. Sarah Louise Arnold, Dean of Simmons College, Boston, Massachusetts. Room 245
- 4 p. m. Child training: the formation of habits in childhood. Alma Binzel. Room 245
- 4-6 p. m. The Home Economics Lodge will be open for inspection. In charge of Marion Fleming and Rena Roberts
- 6:30-7:30 p. m. Social hour. Room 245
- 8 p. m. The rural school survey, presented by the Joint Committee on Rural Schools. George Works, presiding. Room 245

FRIDAY, FEBRUARY 17

- 9 a. m. The consumer and the retailer. Room 245
- 10 a. m. The housekeeper and her civic responsibilities. Room 245
- 11 a. m. The housekeeper and her social responsibilities. Room 245

9 and 11 a. m. Members of the following divisions will be in their offices for conferences

Clothing. Room 305

Design, house furnishing, costume. Room 415

Extension. Room 105

Foods and nutrition. Room 270

Household management. Room 300

Hygiene and sanitation. Room 376

2 p. m.] The European agricultural situation as it relates to American agriculture. G. F. Warren. Bailey Hall

3 p. m. Some recent measures to aid women and children. Grace Abbot, Children's Bureau, Department of Labor, Washington, D. C. Bailey Hall

8 p. m. Reception for Women's Educational Organizations of New York State. Room 245

SATURDAY, FEBRUARY 18

9 a. m. Children's clothes. Nancy McNeal. Room 245

10 a. m. Quantity buying for the homemaker. Lois Farmer. Room 245

See general Farmers' Week program for schedule of evening entertainments and for lectures in other departments of interest to homemakers.

Visitors may leave questions in a box in Home Economics Building to be answered at two o'clock Thursday in Room 245.

Tea will be served in the Home Economics Apartment from four-thirty to six from Monday to Friday, inclusive. The tea on Wednesday will be for former Home Economics students.

STUDENT EMPLOYMENT

The winter courses close with Farmers' Week. In these courses are many students who desire farm work. About the same time, a few students in the regular course complete their work in the College. Among these are many who have always lived and worked on farms when not in school. Some of them are from twenty-four to thirty years of age and have had sufficient experience to fit them to bear the responsibility of running farms as superintendents or managers; and these, of course, should expect pay considerably above ordinary rates for farm hands. Others have had less, but nevertheless good, experience and can fill places as foremen and experienced farm hands. Still others have had little experience on farms and should expect little pay at first. It is suggested that the inexperienced men be engaged at very little pay at first, but with the understanding that their pay be increased as they demonstrate their efficiency.

It is planned to have students meet farmers daily (except Wednesday) at one o'clock at the Office of Farm Practice and Farm Superintendence, in Stone Hall, to arrange for employment. Further information may be obtained at any time from the Office. It is requested that farmers who desire to hire student help while in Ithaca correspond with the Office in advance, and call at the Office as soon as possible after arriving at Ithaca.

EXHIBITS

Animal husbandry.—Exhibits of feeds and rations. Animal Husbandry A.

Botany.—Exhibit and demonstration of some of the common processes carried on by plants and of the structures associated with these processes; food manufacture and the conditions necessary for it; water absorption and loss, and respiration. Stone Hall, second floor.

Legume inoculation. Exhibit of bacterial cultures for legumes, charts, photographs, legume roots with nodules, and the like. Stone Hall, second floor.

Correspondence courses.—Residents of the State interested in receiving free instruction from the college by mail should visit the exhibit of methods and materials used in the eight courses now being given by the college. These include farm management, poultry, orchard fruits, small fruits, vegetables, farm crops, milk production, and animal breeding. Reports by present students are on display, and an opportunity is given for new students to enroll. Roberts Hall, second floor.

Dairy industry.—Bacteriology. Bacteria growing in plates showing source of milk contamination and the influence of different dairy practices on bacterial contamination of milk; materials and apparatus necessary for determining the number of bacteria in milk by the direct microscopic method and by the plate method. Dairy 132.

Butter. Packages of butter illustrating good and poor methods of preparing butter for market; models showing amount of butter that can be made from milk containing different percentages of fat; necessary utensils for making good butter; charts showing yields of butter obtained from different methods of manufacture; illustrations and samples showing model butter. Dairy 132.

Cheese. Exhibit of different varieties of fancy cheese including cottage, cream, Neufchatel, club, pimento, and the so-called Italian cheese; different styles of American cheddar cheese; cheese showing the variation in amount made from milk containing different percentages of fat. Dairy 132.

Market milk. Milk bottled in different styles of containers; sanitary milk pails, milking stools, appliances for attaching sanitary caps to bottles; different styles of apparatus for cooling milk on the farm; filters showing sediment obtained from milk of good, medium, and poor sanitary quality. Dairy 132.

Tests. Apparatus and materials necessary for testing dairy products for fat; tests for moisture in butter and cheese; tests for the acidity of milk and some of its products. Dairy 132.

Dairy by-products. Materials made from casein—such as combs, buttons, and celluloid substitutes; cold-water paints; confections; and proprietary foods. Dairy 132.

Entomology.—Specimens of insects injurious to farming, orchards, and gardens, and concise directions for their control; an exhibit of mounted birds, bird photographs, devices for attracting birds and controlling pests, feeding devices, and bird houses. Roberts 302.

Extension.—Mailing rooms are open for inspection from nine to five o'clock each day.

Farm management.—A member of the Department of Agricultural Economics and Farm Management is in Room 101, Farm Management Building, at all times during Farmers' Week for consultation on problems of farm management and agricultural economics. Professor Batcock and Professor Boyle will be available for conferences on marketing problems.

Farm management exhibit. Departmental Library, Farm Management Building 101.

Market and standardization exhibit. Farm Management Building 202.

Floriculture.—A member of the staff and assistants are in the greenhouses thruout each day to show interesting plants and to answer general questions on plant culture. An exhibit of flowering plants and of flowers and plant arrangements will be staged by the students, Wednesday, February 15, and Thursday, February 16. Floriculture Building.

Forestry.—Exhibit of small trees grown in forest nurseries and for use in forest planting; forest plantation exhibit; collection of sections of trees native to this locality; tools used in forestry and woods operations; saw exhibits. Forestry 118.

Wood preservation. An exhibit dealing with the creosoting of fence posts. Forestry Basement 8.

Forestry museum. Valuable collection of woods from various parts of the world; examples of the winter buds of many of our native trees; collection of wooden airplane parts; tools and instruments used in forestry operations. Forestry Basement.

A member of the staff will be in room 118 thruout each day to explain the exhibits and to answer all questions on forestry.

Home economics.—Home surroundings. Photographs which have been entered in the competition conducted by the Division of Housing and Design to promote interest in attractive home surroundings. Home Economics, fourth floor.

Clothing exhibit. Home Economics 305.

Books. An exhibit of books and bulletins on homemaking which are not only entertaining but which also create an interest in the study of scientific homemaking. Home Economics 265.

Labor-saving exhibit. Home Economics 300.

Horseshoeing.—An exhibit of scientific horseshoeing and other material of interest to horsemen. Veterinary College Farriery.

Journalism.—An exhibit and contest of weekly papers in New York State will be held thruout Monday, February 13, and Tuesday, February 14. Awards are made for front-page typographical appearance, editorial page, and treatment of farm news. Forestry 122.

Landscape art.—The rural community center: efficiency and attractiveness in its arrangement and plan. Illustrated by photographs and model buildings. New Farm Mechanics Laboratory.

Landscape studies of the rural school. Landscape arrangement for efficiency and attractiveness. Illustrated by model buildings, charts, and photographs. Landscape Art Greenhouses.

Plant exhibits in the landscape greenhouses. The making and maintaining of lawns; eradication of weeds; hedges and windbreaks; evergreens; plants for shady places; plants to be avoided; how to grow trees and shrubs from seeds and cuttings.

Plant breeding.—Exhibits of high-yielding strains of corn, oats, wheat, barley, and potatoes; a comprehensive exhibit of material showing the transmission of plant characters in heredity. Forestry 206.

Poultry.—The poultry industry of the United States shown in colors and relief, a model 36 feet long, exhibited at the World's Poultry Congress, The Hague, Holland. Corridor of Poultry Building, second floor.

Marketing poultry and eggs. Shipping appliances; best methods of preparation for market and packing; crates for safest transportation and high prices. Poultry 100.

Market prices and methods of transportation and marketing, shown by charts and illuminated lantern slides. Poultry Corridor, first floor.

Illumination. Appliances, methods of installation, and results, shown by models and colored charts. Handling breeders under illumination and the effect upon fertility and hatching quality of eggs. Selection of fowls for best results under illumination. Poultry 350.

Feeding. Flock management and feeding under illumination; rations and results. Poultry 325.

Breed improvement. Methods of selection of males and females for production, by means of external characters, illustrated by live birds, color charts, and the like. Poultry 300.

Poultry-farm management and cost-account records. Account books, methods of keeping records, and comparison of profits and losses on different types of poultry farms. Poultry Library, second floor.

Handy poultry appliances. Catching crates, feed hoppers, trap nests, water-warming devices, and the like. Poultry Mechanics Room, first floor.

Incubators, brooders, and the latest Cornell brooder house. Mechanics Room, first floor, and also out of doors north of Poultry Building.

Rural engineering.—Electric lighting and power outfits for the farm home; water-supply outfits for the farm home, both electrically and gasoline driven; gas-engine carburetors and mixers; electric ignition systems; farm workshop, showing equipment and arrangement of tools; overshot water wheel generating electric current. Farm Mechanics Laboratory.

Rural schools.—The rural school exhibit last year indicated that once again the rural schools of the State were taking a thoro interest in the exhibit at Farmers' Week. Those who visited the exhibit last year seemed more than satisfied. The teachers have been given further assistance in making this exhibit what it should be, and there is every indication that the exhibit this year will be more interesting and instructive than ever before. The exhibit includes landscapes showing the birds, mammals, fishes, and trees which the children have studied; maps showing the distribution of these creatures; stories and nature plays written by rural school children; plans for improving school grounds worked out by rural schools; collections of leaves, seeds, and insects; and other types of material of interest for exhibition purposes. Caldwell Hall 250.

Rural social organization.—An exhibit of charts and literature on community organization and community houses. Farm Management Building.

Rural recreation literature. Animal Husbandry, fourth floor.

Vegetable gardening.—Potato show. One-peck samples of the standard varieties—Rural, Green Mountain, Cobbler, Rose, and American Giant types—arranged according to groups so as to show similarity between varieties within a given group. Roberts Hall 202

Wild life conservation.—An exhibit of birds and animals, designed to illustrate their relation to agriculture, together with the methods of increasing desirable species and controlling destructive ones. Roberts Hall 302

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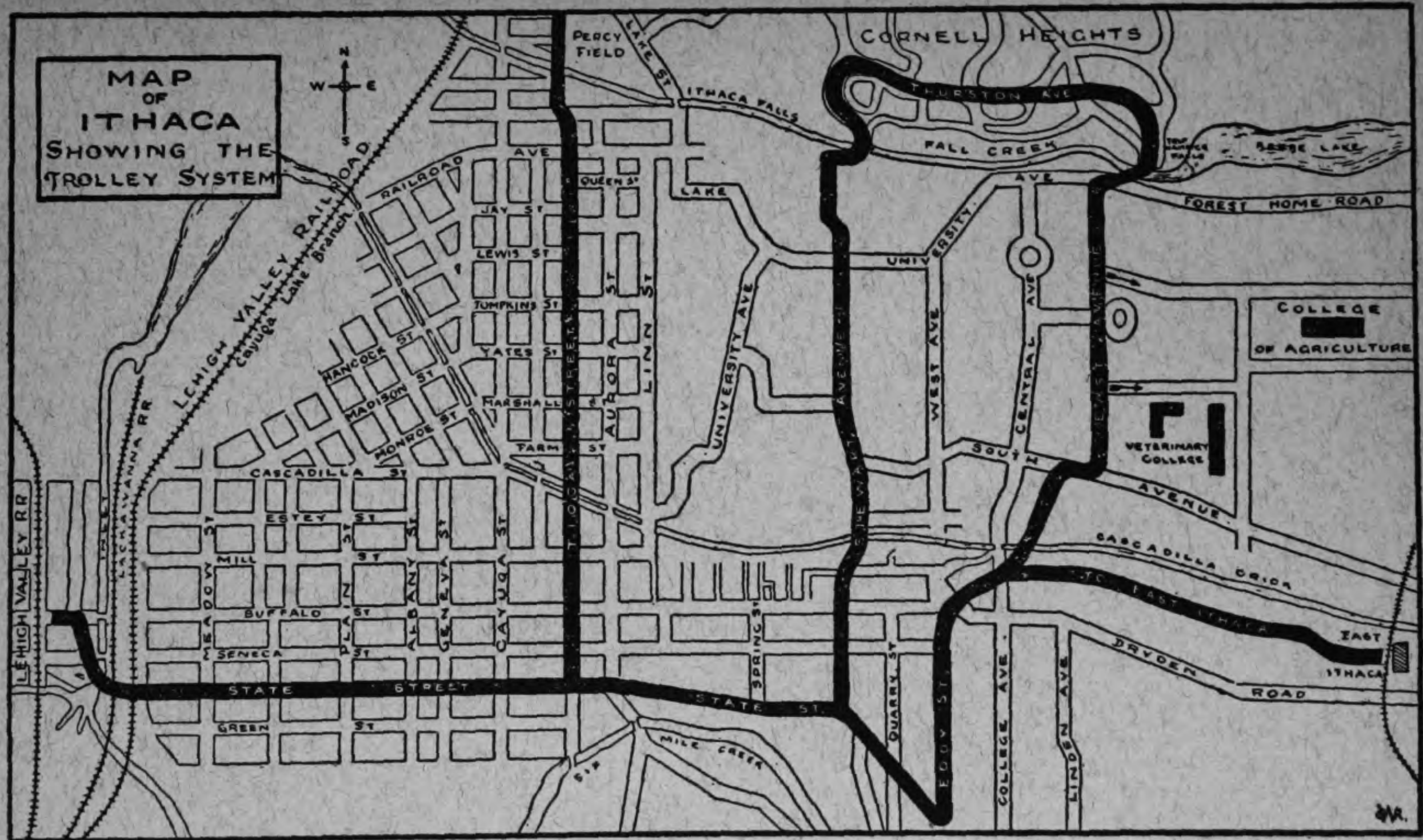
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