

CORNELL UNIVERSITY OFFICIAL PUBLICATION

Volume XXI

Number 8

.

PROGRAM Twenty-third Annual FARM AND HOME WEEK

February 10-15, 1930

New York State Colleges of
Agriculture and Home Economics

Ithaca, New York
Published by the University
January 1, 1930

INFORMATION

Railroad rates.—The following railroads have granted reduced rates (one and one-half fare, round trip, with a minimum of twenty-five cents) to Ithaca for Farm and Home Week. These tickets will be on sale for February 8 to 15, inclusive, and will be good returning until February 17.

The Delaware and Hudson and the Buffalo, Rochester and Pittsburgh, from points in New York State.

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

The New York Central and West Shore, from points in New York State except New York City and Putnam division.

The Lehigh Valley from Tunkhannock, Pennsylvania, to Suspension Bridge, New York, inclusive, and also including branches.

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 Captain C. G. Mead, Proctor of Cornell University.

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

Mr. A. W. Gibson, of the Secretary's 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 Stone Hall is a room in which coats and parcels may be checked free of charge.

Lecture rooms and laboratories.—The rooms of the buildings of the Colleges of Agriculture and Home Economics 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 9.15 a. m., from 11.30 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 on the first floor of the Animal Husbandry Building. The cafeteria in Cascadilla Building is open from 7.15 to 9 a. m., from 12 m. to 1.45 p. m., and from 5.30 to 7 p. m. The cafeteria and dining rooms in Willard Straight Hall are open from 7.15 to 10 a. m., from 12 m. to 1.45 p. m., and from 5.45 to 7 p. m.

Conventions and conferences.—Conventions and conferences meeting during Farm and Home Week are open to all persons.

MAIN OFFICES

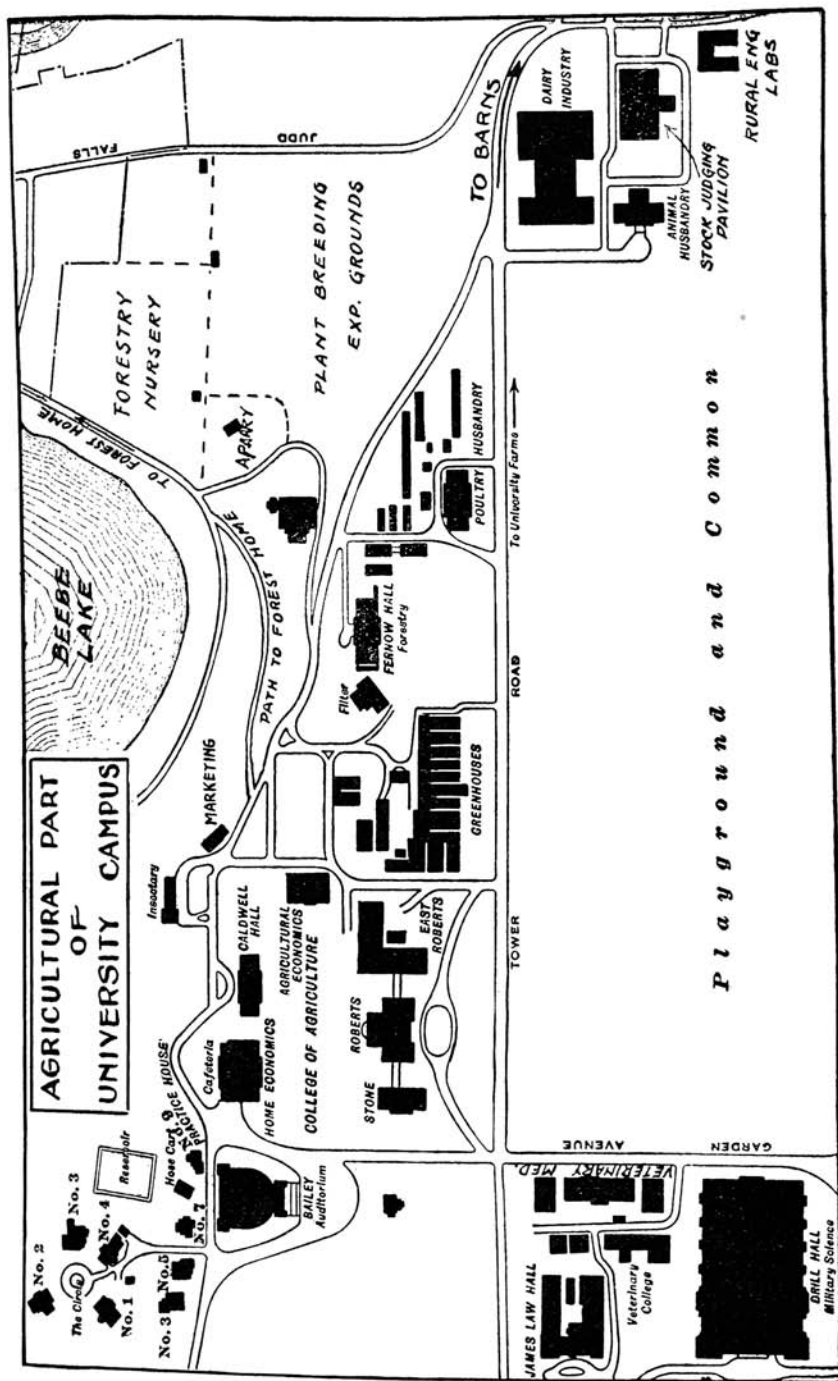
Administration and Departments of the Colleges of Agriculture and Home Economics

Administration

Dean of Agriculture and Home Economics	Roberts Hall, first floor
Director of Resident Instruction	Roberts Hall, first floor
Director of Research	Roberts Hall, first floor
Director of Extension	Roberts Hall, first floor
Home Economics, directors	Home Economics, first floor
Home Economics, information	Home Economics, first floor
Home Economics, publications	Home Economics, first floor
Home Economics, apartment	Home Economics, first floor
Library	Stone Hall, basement
Mailing Rooms	Roberts Hall, basement
Publications	Roberts Hall, first floor
Secretary and Registrar	Roberts Hall, first floor
State Leaders of Farm Bureaus	Roberts Hall, second floor
State Leaders of Home Bureaus	Home Economics, first floor
State Leaders of Junior Extension	Poultry Building, second floor
Student Employment, farm practice	East Roberts, first floor
United States Weather Bureau	Roberts Hall, fourth floor

Departments

Agricultural Economics and Farm Management	Farm Management Building
Agronomy	Caldwell Hall, third floor
Animal Husbandry	Animal Husbandry, first floor
Botany	Stone Hall, third floor
Child Training	No. 1, The Circle
Clothing	Home Economics, third floor
Dairy Industry	Dairy Building, first floor
Entomology	Roberts Hall, third floor
Extension	Roberts Hall, first floor
Floriculture and Ornamental Horticulture	Roberts Hall, second floor
Foods and Nutrition	Home Economics, second floor
Forestry	Fernow Hall, first floor
Home Economics Extension	Home Economics, first and third floors
Household Art	Home Economics, fourth floor
Household Management	Home Economics, third and fourth floors
Institution Management	Home Economics, cafeteria and third floor
Plant Breeding	Fernow Hall, second floor
Plant Pathology	Bailey Hall, basement
Pomology	East Roberts, first floor
Poultry	Poultry Building, second floor
Rural Education	Caldwell Hall, second floor
Rural Engineering	Dairy Building, first floor
Rural Social Organization	Roberts Hall, second floor
Vegetable Gardening	Poultry Building, second floor



Playground and Common

LECTURES AND DEMONSTRATIONS*

SUNDAY, FEBRUARY 9

- 11 a. m. Chapel service, conducted by the Reverend Jay T. Stocking, Pilgrim Congregational Church, St. Louis, Missouri. Sage Chapel
- 3.30 p. m. Vesper service (chiefly musical). The Reverend Jay T. Stocking. Sage Chapel

MONDAY, FEBRUARY 10

(All lectures and demonstrations begin 10 minutes after the hour)

- 9 a. m. Getting started in farming. V. B. Hart. Farm Management 102
Demonstration: The making of ice cream. (Until 12 m.) W. E. Ayres.
Milk Products Laboratory, Dairy Building
Beekeepers' conference. Dairy 157
- 10 a. m. How to read and understand the financial statements of a cooperative association. M. C. Bond. Marketing Building. Repeated Thursday at 2 p. m.
The tax system of New York State. M. S. Kendrick. Farm Management 102
The care of the home orchard. J. Oskamp. East Roberts 232
Marketing New York State poultry products. J. C. Huttar. Poultry 375
Harness repairing. L. M. Roehl. Rural Engineering Laboratory
Demonstration: The making of ice cream. (Continued.) Milk Products Laboratory, Dairy Building
Beekeepers' conference. Dairy 157
- 11 a. m. A reinterpretation of the vitamin requirements of poultry. L. C. Norris. Poultry 375
Paint for farm buildings. B. B. Robb. Dairy 119. Repeated Saturday 9 a. m.
Cuttings in farm woodlots. (Illustrated.) J. A. Cope. Fernow 122
Sweet clover for New York farms. J. H. Barron. Caldwell 100
The immediate and future prospects for the New York apple crop. L. Spencer. East Roberts 232
A bunch of garden herbs. Bob Adams. Roberts 392
Demonstration: The making of ice cream. (Continued.) Milk Products Laboratory, Dairy Building
The public market as a place for farmers to sell produce. F. P. Weaver. Farm Management 102
Beekeepers' conference. Dairy 157
- 12 m. Some problems of local cooperative associations in New York State. F. A. Harper. Marketing Building
The Champlain Valley apple industry. A. B. Burrell. East Roberts 232
Silage-crop production. H. B. Hartwig. Caldwell 100
- 1 p. m. Motion pictures. Bailey Auditorium
Conference with students and farmers to arrange for employment. East Roberts 106
Fruit problems and spray-service-trouble hour. (Until 3 p. m.) Discussion of problems with individual growers by members of the Departments of Pomology, Entomology, and Plant Pathology. East Roberts 232
- 2 p. m. Address of welcome. Some significant trends in agriculture. A. R. Mann, Dean of the New York State Colleges of Agriculture and Home Economics. Roberts Assembly

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

Demonstration: Killing beef. R. B. Hinman and C. D. Schutt. Animal Husbandry Meat Laboratory

- 3 p. m. Problems of the New York State bean grower. E. V. Hardenburg. Roberts 292

Results of farm cost accounts. J. F. Harriott. Marketing Building
Some problems of land appraisal. F. F. Hill. Farm Management 102

Sire improvement. S. J. Brownell. Animal Husbandry A
Remodeling farm buildings to accommodate poultry. W. G. Krum. Poultry 375
Grinding the farm tools. L. M. Roehl. Rural Engineering Laboratory
Bargains in clover and alfalfa seed. R. D. Lewis. Fernow 210

Dairy-stable ventilation. A. M. Goodman. Dairy 119. Repeated Friday at 9 a. m.

Spraying the home apple orchard. C. R. Crosby. East Roberts 232

Cultivating corn, potatoes, beans, and cabbage. (Illustrated.) A. F. Gustafson. Caldwell 100

Serving the Sunday-night supper. (Until 5 p. m.) Lucy Kimball, Kathleen McBride, and students. Home Economics 245

- 4 p. m. The New York State feudal land-tenure system of an earlier day. (Illustrated.) Jared Van Wagenen, jr., Lawyersville, New York. Farm Management 102

The storage of apples. D. B. Carrick. East Roberts 232

The cost of operating tractors. V. B. Hart. Marketing Building

Housing and handling bulls. H. A. Hopper. Animal Husbandry A

Plows and plowing. B. A. Jennings. Rural Engineering Laboratory

Serving the Sunday-night supper. (Continued.) Home Economics 245

Demonstration: Table setting for a Sunday-night supper. Home Economics 245
Poultry demonstrations, conferences, and round-table discussions:

Incubation, brooding, and rearing records. D. R. Marble. Poultry 325

Selecting hens, pullets, and male birds for standard characteristics. G. O. Hall. Poultry 300

Poultry-disease problems. E. L. Brunett. Poultry 375

Poultry-housing problems. Inspection of the experimental work now in progress. F. L. Fairbanks and J. C. Huttar. Poultry 125

Individual conferences for poultrymen with the extension specialists. L. M. Hurd, Poultry 226; R. C. Ogle, Poultry 200; and L. E. Weaver, Poultry 230

- 5 p. m. Winter birds. (Illustrated.) A. A. Allen. Roberts Assembly

Evening

- 8 p. m. Farm life challenge debating contest. A debate on the subject, "Resolved, That water power for commercial electrical plants in New York State shall be owned and controlled by the State; the State to own plants and sites and to sell the power to private companies for distribution." Prizes amounting to \$150 are given by an anonymous donor. Roberts Assembly

TUESDAY, FEBRUARY 11

(All lectures and demonstrations begin 10 minutes after the hour)

- 8 a. m. Demonstration and practice in the caponizing operation. F. E. Andrews. Poultry 300

- 9 a. m. Working with rather than against human nature. Paul J. Kruse. Home Economics 245

Furnishing the house at smaller cost. Grace Morin. Caldwell 100. Repeated Wednesday at 9 a. m.

The home garden, in prose and verse. Bob Adams. Roberts 292. Repeated Friday at 9 a. m.

Reseeding and managing permanent pastures in New York and growing supplementary pasture crops. J. H. Barron. Animal Husbandry A

- Why certain poultry farms are successful. L. E. Weaver. Poultry 375
- Giving New York State farm boys and girls library opportunities equal to those of city boys and girls. R. A. Felton. East Roberts 222
- An economic study of grape farms in eastern United States. G. P. Scoville. East Roberts 232
- How to build a septic tank. J. C. McCurdy. Caldwell 143
- Twigs and berries for winter effects in the garden. J. A. DeFrance. Roberts 392
- Demonstration: The making of ice cream. (Until 12 m.) W. E. Ayres. Milk Products Laboratory, Dairy Building
- Beekeepers' conference. Dairy 157
- 10 a. m.** The program of Farm and Home Week and the New York State homes. Martha Van Rensselaer. Roberts Assembly
- The court of costume. Students from the textiles and clothing department, directed by Muriel Brasie. Home Economics 245. Repeated Wednesday at 2 p. m. and Friday at 10 a. m.
- Conference: Furnishing the house at smaller cost. (Continued.) Caldwell 100
- How one county library works. Dorothy Wightman, Tompkins County Librarian, Ithaca, New York. East Roberts 222
- Varieties of oats and barley for New York State. H. H. Love. Fernow 210
- Abortion control and the blood test. R. R. Birch. Animal Husbandry A
- Fertilizer prices for the season of 1930. E. L. Worthen. Caldwell 143
- Vegetable varieties for the home garden. (Illustrated.) Paul Work. Roberts 292. Repeated Friday at 10 a. m.
- Varieties and care of small fruits. G. L. Slate, New York State Agricultural Experiment Station, Geneva, New York. East Roberts 232
- Recent developments in potato spraying. Results of experiments conducted at the Cornell University Agricultural Experiment Station. F. M. Blodgett. Fernow 122
- A practical breeding program for egg production. G. O. Hall. Poultry 375
- Running water for the home. B. B. Robb. Dairy 119
- Wiring the farmstead for light, heat, and power. F. B. Wright. Rural Engineering Laboratory
- Why some farmers produce more winter milk than others. M. P. Catherwood. Marketing Building
- Some results of an agricultural survey in northern Livingston County. Stanley Warren. Farm Management 102
- Beekeepers' conference. Dairy 157
- Demonstration: The making of ice cream. (Continued.) Milk Products Laboratory, Dairy Building
- The making and care of lawns. R. W. Curtis. Roberts 392
- 11 a. m.** The Grange League Federation plans for giving local cooperative service in marketing farm products. H. E. Babcock, Manager of the Grange League Federation Exchange, Inc., Ithaca, New York. Roberts Assembly
- The county library movement in New York State. Marjorie Beal, State Education Department, Albany, New York. East Roberts 222
- Diseases of raspberries. W. H. Rankin. New York State Agricultural Experiment Station, Geneva, New York. East Roberts 232
- The relation of minerals to health of dairy cattle. L. A. Maynard. Animal Husbandry A
- Why New York soils need lime. How, when, and where to use it. A. F. Gustafson. Caldwell 143
- The planting and care of asparagus. H. C. Thompson. Roberts 292
- Cooling milk by electricity. H. W. Riley. Dairy 119. Repeated Friday at 10 a. m.
- The influence of the protein level upon the growth of chicks. G. F. Heuser. Poultry 375
- Some lessons from forest planting on the Cornell University farm. S. N. Spring. Fernow 210
- Fitting hand and pruning saws. L. M. Roehl. Rural Engineering Laboratory

Color and design in table setting. Kathleen McBride. Home Economics 300
 The food habits of 250 families in New York State. Mary Henry and Nancy Lee Booker. Home Economics 100
 What progressive rural schools are doing. Is your school one? Helen Hay Heyl, State Education Department, Albany, New York. Caldwell 100
 How to conduct a wayside market. Nancy K. Masterman. Home Economics 245
 Beekeepers' conference. Dairy 157
 Magazines of interest to flower growers. Lua A. Minns. Roberts 392
 Demonstration: The making of ice cream. (Continued.) Milk Products Laboratory, Dairy Building

- 12 m.** The present milk situation in the New York milk shed. Fred Sexauer, President of the Dairymen's League Cooperative Association, New York City. Roberts Assembly
 New developments in the control of truck-crop insects. Hugh Glasgow, New York State Agricultural Experiment Station, Geneva, New York. Roberts 292
 Some household-management problems. Ella M. Cushman. Home Economics 100
 Rebuilding and redressing the old chair. Caroline McIlroy and Alma Scidmore. Home Economics 245. Repeated Thursday at 11 a. m.
 Some suggestions regarding house plants. J. C. Ratsek. Roberts 392
 Prices and yields of apple varieties. T. E. LaMont. East Roberts 232
 How to grow alfalfa. H. B. Hartwig. Caldwell 100. Repeated Thursday at 10 a. m.
 Seed treatment of barley and other grains. J. G. Horsfall, New York State Agricultural Experiment Station, Geneva, New York. Fernow 122
 Tree diseases in the farm woodlot. D. S. Welch. Fernow 210
 Round-table: County library problems. Marjorie Beal in charge. East Roberts 222
- 1 p. m.** Motion pictures. Bailey Auditorium
 Conference with students and farmers to arrange for employment. East Roberts 106
 Fruit problems and spray-service-trouble hour. (Until 3 p. m.) Discussion of problems with individual growers by members of the Departments of Pomology, Entomology, and Plant Pathology. East Roberts 232
- 2 p. m.** Some national and international observations. Livingston Farrand, President of Cornell University. Bailey Auditorium
 Rugs: their selection, re dyeing, and care. Florence Wright and Myra J. Robinson. Caldwell 100
 Colds, bronchitis, and pox in chickens. E. L. Brunett. Poultry 375
 Important causes of abnormal flavors in milk. E. S. Guthrie. Dairy 119. Repeated Friday at 9 a. m.
 Demonstration: Killing hogs. R. B. Hinman and C. D. Schutt. Animal Husbandry Meat Laboratory
- 3 p. m.** The rural-school situation in New York State. Helen Hay Heyl. Roberts Assembly
 What shall we do with the abandoned farms in New York State? G. F. Warren. Farm Management 102
 The control of mastitis, or garget. M. G. Fincher. Animal Husbandry A
 Uses of the home grounds. J. P. Porter. Roberts 392
 Planning a kitchen. Myra J. Robinson. Rural Engineering Laboratory
 Demonstration: Simple and attractive meals. (Until 4.30 p. m.) Lucile Brewer. Home Economics 245
 Conference: Behavior of children. Led by Paul J. Kruse and Marguerite Wilker. Home Economics 100
 Designing and making a hooked rug. Margaret Morehouse, Frances Libbee, and Margaret Leslie. Costume Shop. Repeated daily at 3 p. m.
 Farm drainage. (Illustrated.) A. M. Goodman. Caldwell 143

- Providing for cross-pollination in orchards. L. H. MacDaniels. East Roberts 232
- Recent investigations on the sprouting of potatoes. F. C. Stewart, New York State Agricultural Experiment Station, Geneva, New York. Fernow 122
- Corn breeding for silage improvement. R. G. Wiggans. Fernow 210
- Observations on poultry-house ventilation. F. L. Fairbanks. Poultry 375
- Tractor care and depreciation. B. A. Jennings. Dairy 119
- Why are some pigs runts? J. P. Willman. Animal Husbandry C
- Cold-iron working. L. M. Roehl. Rural Engineering Laboratory. Repeated Thursday at 12 m.
- Locating causes of high bacteria counts in milk. J. D. Brew. Dairy 218. Repeated Thursday at 3 p. m.
- Farm storage of potatoes. A. L. Wilson. Roberts 292
- Forum: Liming New York soils. An open discussion of liming problems. (Until 5 p. m.) A. F. Gustafson in charge. Caldwell 100
- Beekeepers' conference. Dairy 157
- Round-table: Woodlot management. (Until 5 p. m.) S. N. Spring and D. S. Welch in charge. (Coffee will be served.) Club Room, Fernow
- 4 p. m.** Some insect enemies of the home vegetable garden. G. W. Herrick. Roberts 292
- Garden furniture. D. Wyman. Roberts 392
- Honeybees as pollinating agents. E. F. Phillips. East Roberts 232
- Observations on farming in Bermuda. Jared Van Wagenen. Farm Management 102
- The status of the grape industry in New York State. Results of the farm-bureau grape survey. R. F. Bucknam. Marketing Building
- Cultural methods of New York premier potato growers. E. V. Hardenburg. Fernow 122
- Important factors to observe in cooling milk. H. E. Ross. Animal Husbandry A
- Meeting of the New York State Swine Growers' Association. Byrd Townsend, President, Interlaken, New York, presiding. Animal Husbandry C
- Demonstration: Simple and attractive meals. (Continued.) Lucile Brewer. Home Economics 245
- Motion pictures. Farm-mechanic films. Dairy 218
- Forum: Liming New York soils. (Continued.) Caldwell 100
- Poultry demonstrations, conferences, and round-table discussions:
- Problems in feeding poultry. G. F. Heuser and L. C. Norris. Poultry 375
 - Preparing poultry for market, including scald and dry picking. W. G. Krum. Poultry Killing Room
 - Poultry-house ventilation. F. L. Fairbanks and J. C. Huttar. Poultry 325
 - Individual conferences with extension specialists. L. M. Hurd, Poultry 226; R. C. Ogle, Poultry 200; and L. E. Weaver, Poultry 230
- Beekeepers' conference. Dairy 157
- 5 p. m.** The economic status of destructive birds. (Illustrated.) A. A. Allen. Roberts Assembly
- 6 p. m.** Social hour. Home Economics 245

Evening

- 8 p. m.** Concert by the Cornell University Orchestra. George L. Coleman, conductor. Bailey Auditorium

WEDNESDAY, FEBRUARY 12

(All lectures and demonstrations begin 10 minutes after the hour)

- 8 a. m.** Demonstration and practice in the caponizing operation. F. E. Andrews. Poultry 300

- 9 a. m. Play opportunities for young children. Marie B. Fowler. Home Economics 245
 Furnishing the house at smaller cost. Alma Scidmore. Caldwell 100
 Problems and trends in the poultry industry. J. E. Rice. Poultry 375
 Present and future problems in the production of certified seed of grain and forage crops in New York State. R. D. Lewis. Fernow 122
 Adjusting the dairy ration to the roughage. F. B. Morrison. Animal Husbandry A
 Pruning fruit trees. J. Oskamp. East Roberts 232
 Homemaking projects for older 4-H Club girls. Nancy Roman, Hazel Spencer, and Lillian Shaben. Home Economics 100
 The work of a county nurse. Marion May, Public Health Nurse, Tompkins County, Ithaca, New York. (Until 9.30 a. m.) East Roberts 222
 New phases of public-health work. Dr. D. F. Smiley. (At 9.30 a. m.) East Roberts 222
 Factors affecting the cost of growing New York potatoes during the past five years. L. M. Vaughan. Farm Management 102
 New ideas in hay making. H. B. Hartwig. Caldwell 143
 Tractor operations on the University farms. F. L. Fairbanks. Dairy 119
 Pruning deciduous shrubs. C. J. Hunn. Roberts 392
 Demonstration of various methods of docking and castrating lambs. J. P. Willman and W. T. Grams. Animal Husbandry Sheep Barn
 Demonstration: Multiple hitches for draft horses. (Until 11 a. m.) M. W. Harper. Judging Pavilion
 Demonstration: The making of ice cream. (Until 12 m.) W. E. Ayres. Milk Products Laboratory, Dairy Building
 Beekeepers' conference. Dairy 157
- 10 a. m. Homemaking and citizenship. Anna Steese Richardson, Editorial Staff, *Woman's Home Companion*, New York City. Roberts Assembly.
 Hats and the new silhouette. Students from the textiles and clothing department, directed by Laura Leske. Home Economics 245. Repeated Friday at 9 a. m.
 Cooking electrically. Myra Jane Robinson. Rural Engineering Laboratory
 Conference: Furnishing the house at smaller cost. (Continued.) Caldwell 100
 The Huntington Botanic Garden in California. E. A. White. Roberts 392
 Some principles of successful cooperation. W. I. Myers. Farm Management 102
 Organic matter and commercial fertilizers in the orchard. R. C. Collison, New York State Agricultural Experiment Station, Geneva, New York. East Roberts 232
 The county health department. Nina V. Short, State Charities Aid Association, Albany, New York. East Roberts 222
 Some weed problems on New York farms, with illustrations dealing with quackgrass control. J. H. Barron. Caldwell 143
 The national protein problem. H. E. Babcock. Animal Husbandry A
 Concrete on the modern farm. J. C. McCurdy. Dairy 119
 Care and adjustment of farm machinery. B. A. Jennings. Rural Engineering Laboratory
 Beekeepers' conference. Dairy 157
 A report on the progress of breeding new disease-resistant strains of field beans for New York State. R. A. Emerson. Fernow 210
 The significance and application of the bacteria count in milk. J. D. Brew. Dairy 218
 Report on potato inspection in New York State during 1929. K. H. Fernow. Fernow 122
 The use of paper mulch in vegetable gardening. H. C. Thompson. Roberts 292
 How does the quality of calcium and phosphorus in the ration affect bone development in chicks? H. S. Wilgus, jr. Poultry 375
 Round-table: The feeding and managing of sheep. There will also be a discussion of the experiment now in progress to study stiffness in lambs, fol-

- lowed by a trip to inspect the flock in the experiment. W. T. Grams and J. P. Willman in charge. Animal Husbandry C
- Demonstration: The making of ice cream. (Continued.) Milk Products Laboratory, Dairy Building
- Demonstration: Multiple hitches for draft horses. (Continued.) Judging Pavilion
- Demonstration: Cream whipping. J. C. Henning, New York State Agricultural Experiment Station, Geneva, New York. Home Economics 100
- 11 a. m.** Are parents keeping step with their children? Flora Rose. Home Economics 245
- Survey findings regarding management of farm homes. Helen Canon. Home Economics 100
- Design and color in lamp-shade making. Irene Zehner. Home Economics 300. Repeated Friday at 11 a. m.
- Adjusting agriculture to present conditions. G. F. Warren. Roberts Assembly
- Lily diseases and how to handle them. C. E. F. Guterman. Roberts 392
- How the village and the country may cooperate educationally. A description of the school at Van Hornesville, New York, and its activities. (Illustrated.) M. S. Hammond, Principal of the Owen D. Young School, Van Hornesville, New York. Caldwell 100
- Promising new varieties of tree fruits. G. H. Howe, New York State Agricultural Experiment Station, Geneva, New York. East Roberts 232
- House heating systems. F. H. Randolph. Caldwell 143
- Progress in seed-potato improvement. J. R. Livermore. Fernow 122
- Round-table: Grange programs. Elizabeth Arthur, Lecturer of the New York State Grange, Lowville, New York, in charge. East Roberts 222
- The basis of log rules used in timber estimating, with particular reference to the Doyle, the Scribner, and the International Log rules. John Bentley, jr. Fernow 210
- "New York State against Mr. Egg Dealer." A mock trial of a retail grocer charged with violation of the New York State Egg Grading Law. Students of poultry-marketing class. Berne A. Pyrke, Commissioner of Agriculture and Markets, Albany, New York, presiding. Poultry 375
- The straining and the cooling of milk. J. C. Marquardt, New York State Agricultural Experiment Station, Geneva, New York. Dairy 218
- Construction of dairy-stable floors. (Illustrated.) A. M. Goodman. Dairy 119
- Lime, manure, and fertilizer for the dairy farm. E. L. Worthen. Animal Husbandry A
- The culture of cabbage. F. O. Underwood. Roberts 292
- Refinishing furniture. L. M. Roehl. Rural Engineering Laboratory. Repeated Saturday at 11 a. m.
- Demonstration: The making of ice cream. (Continued.) Milk Products Laboratory, Dairy Building
- Beekeepers' conference. Dairy 157
- 12 m.** The importance of sunshine to health. G. H. Maughan. Home Economics 245
- The policy of the State Conservation Department in the acquisition of abandoned farm lands under the Hewitt Acts. A. S. Hopkins, State Conservation Department, Albany, New York. Roberts Assembly
- Federal farm loans. E. H. Thompson, President of the Federal Land Bank, Springfield, Massachusetts. Farm Management 102
- Insects of the flower garden. (Illustrated.) Grace H. Griswold. Roberts 392
- The cooperative Grange League Federation—Dairymen's League protein experiment. E. S. Savage. Animal Husbandry A
- How can the seed laboratory help farmers to get better seed? M. T. Munn, New York State Agricultural Experiment Station, Geneva, New York. Fernow 122
- Variations in the percentage of fat in milk. H. J. Brueckner. Dairy 218. Repeated Friday at 12 m.
- Results of the muck-crop survey. J. E. Knott. Roberts 292

The season's experiences with bud moth and leaf-roller. S. W. Harman, New York State Agricultural Experiment Station, Geneva, New York. East Roberts 232
 Farm manure: its value, conservation, and use. G. F. Gustafson. Caldwell 100. Repeated Saturday at 10 a. m.

1 p. m. Motion pictures. Bailey Auditorium

Fruit problems and spray-service-trouble hour. (Until 3 p. m.) Discussion of problems with individual growers by members of the Departments of Pomology, Entomology, and Plant Pathology. East Roberts 232

2 p. m. Facing rural facts. Charles M. Gardner, Editor of the *National Grange Monthly*, Springfield, Massachusetts. Bailey Auditorium

Demonstration: Killing lambs. R. B. Hinman and C. D. Schutt. Animal Husbandry Meat Laboratory

The court of costume. Students from the textiles and clothing department, directed by Muriel Brasie. Home Economics 245. Repeated Friday at 10 a. m.

Color and design in hand crafts. Dorothy Scott. Home Economics 300. Repeated Thursday at 10 a. m.

Food in relation to weight. Mary Henry. Home Economics 100

Demonstration: Marking a woodlot for fuel-wood cutting. S. N. Spring and J. A. Cope in charge. Cornell Woodlot, University Farm. (Start from Fernow Hall at 2 p. m. In case of inclement weather, a round-table discussion will be held in the club room, Fernow Hall.)

3 p. m. The powers and possibilities of country life. Elizabeth Arthur. East Roberts 222

The use of various leavening agents in muffins and cakes. (Until 4.30 p. m.) Marion Pfund. Home Economics 245

What young children are wearing. Students from the textiles and clothing Department, directed by Ruth Scott. Home Economics 300

Play materials and social adjustment. Marie B. Fowler, Katherine Reeves, Miriam Bartlett Bates, and Grace Gardner. Home Economics 100

Demonstration: Using an electric iron. Myra J. Robinson. Rural Engineering Laboratory

Designing and making a hooked rug. Margaret Morehouse. Frances Libbee, and Margaret Leslie. Costume Shop. Repeated daily at 3 p. m.

The arrangement and rearrangement of dairy barns. G. F. Warren. Animal Husbandry A

Ornamental evergreens for New York. R. W. Curtis. (In cooperation with the Ithaca Garden Club.) Baker Laboratory

The future of sanitary milk control. J. D. Brew. Dairy 218

Experiences in building up and running a poultry farm. R. Tyler Space, Homer, New York. Poultry 375

Some observations on plant breeding in Europe. (Illustrated.) A. C. Fraser. Fernow 210

Potato grading and the proposed potato-grading law. E. V. Hardenburg. Fernow 122

Some shade-tree pests and how to control them. G. W. Herrick. Roberts 392

Round-table: Vegetable problems. Members of the staff of the Departments of Vegetable Gardening, Plant Pathology, and Entomology. Roberts 292. Repeated Friday at 3 p. m.

Forum: Fertilizers. Round-table discussion of fertilizer problems. E. L. Worthen in charge. (Until 5 p. m.) Caldwell 100

The cost of growing apples and how to reduce this cost. T. E. LaMont. Farm Management 102

Fitting timber and circular saws. L. M. Roehl. Rural Engineering Laboratory

Rural-health exhibit. Nina V. Short in charge. Roberts Hall, second floor

Round-table: 4-H Club problems of organization and local leadership. Open to all persons interested. W. J. Wright and Nancy McNeal Roman. East Roberts 232

- 4 p. m.** Band concert. Bailey Auditorium. Concert by Military Band, Ernest Williams, director. Courtesy of the Ithaca Military Band School, Ithaca Conservatory of Music, Ithaca, New York. (Concert starts promptly at 4.15. Persons are requested not to enter the auditorium during the playing of numbers.)
- Readings: Rude rural rhymes. (More or less serious rhymes.) Bob Adams. Roberts Assembly
- Conference: Individual children's clothing problems. Ruth Scott. Home Economics 300
- The rural traveling library. Marjorie Beal. East Roberts 222
- Farm life in China. (Illustrated.) H. H. Love. Farm Management 102
- The present dairy situation. M. C. Bond. Animal Husbandry A
- Bulbs for outdoor planting. M. A. McMaster. Baker Laboratory
- Growing tomatoes, including results of recent experiments. C. B. Sayre, New York State Agricultural Experiment Station, Geneva, New York. Roberts 292
- Rodent control in the orchard. James Silver, Bureau of Biological Survey, Washington, D. C. East Roberts 232
- Fly pests of dairy and beef cattle, and their control. R. Matheson. Roberts 392
- Forum: Fertilizers. (Continued.) Caldwell 100
- Motion pictures. Farm-mechanics films. Dairy 218
- Poultry demonstrations, conferences, and round-table discussions:
- Grading of eggs under the 1929 New York State law. F. A. Jones, Department of Agriculture and Markets, Albany, New York. Poultry Egg Marketing Room
- Pedigree breeding records. (Illustrated.) G. O. Hall. Poultry 325
- Poultry-disease problems, with special attention to chicken pox. E. L. Brunett. Poultry 375
- Individual conferences for poultrymen with extension specialists. L. H. Hurd, Poultry 226; R. C. Ogle, Poultry 200; and L. E. Weaver, Poultry 230
- Inspection of the experimental work now in progress in feeding poultry. G. F. Heuser and L. C. Norris. Poultry 125
- Selecting hens, pullets, and male birds for egg production. F. E. Andrews. Poultry 300
- 5 p. m.** Band concert. (See 4 p. m.) Bailey Auditorium
- Animal life in New York State. P. P. Kellogg. Roberts Assembly
- Conference: Cooperative poison-bait service for New York. County Agents and others. East Roberts 232

Evening

- 6 p. m.** Social hour. Home Economics 245
- 6.15 p. m.** Alumni banquet. Informal reception and supper for all former, regular, special, and winter-course students and for members of the faculties of the Colleges of Agriculture and Home Economics. Willard Straight Hall
- 7.30 p. m.** State contest in dramatics. Presentation of plays by the winning groups of the five inter-county sectional contests. University Theater, Willard Straight Hall. (An admission fee will be used to help defray the expenses.)
- 8 p. m.** The courtship and home life of birds. (Illustrated by motion pictures.) A. A. Allen. Roberts Assembly

THURSDAY, FEBRUARY 13

(All lectures and demonstrations begin 10 minutes after the hour)

- 8 a. m.** Demonstration and practice in the caponizing operation. F. E. Andrews. Poultry 300

- 9 a. m. Methods of preparing vegetables. Faith Fenton. Home Economics 245
 Keeping children well. Dr. Helen Bull. Caldwell 100
 New phases of social-welfare work. Dwight Sanderson. East Roberts 222
 Important factors in cherry growing. A. J. Heinicke. East Roberts 232
 Breeding strains of cabbage for market requirements. C. H. Myers. Roberts 292
 Needed adjustments in the timothy-hay areas in New York State. V. B. Hart. Farm Management 102
 Home-grown grains for dairy farms. A. F. Gustafson. Animal Husbandry A
 Fitting hand and pruning saws. L. M. Roehl. Rural Engineering Laboratory
 Some New York State poultry farms. (Illustrated.) L. M. Hurd. Poultry 375
 The cost of cooling milk by ice and electricity. R. F. Buckman. Dairy 218
 How to grow azaleas, laurel, and rhododendrons. J. A. DeFrance. Roberts 392
 Round-table: Problems affecting the work of the dairy-improvement associations. Animal Husbandry C
 Beekeepers' conference. Dairy 157
 Demonstration: The making of ice cream. W. E. Ayres. Milk Products Laboratory, Dairy Building
 Young Farmers' conference. Caldwell 143
 Livestock-judging contest. Teams from high schools and state agricultural schools. H. A. Hopper and H. A. Willman in charge. Judging Pavilion
 Plant-disease-judging contest. Teams from high schools and state agricultural schools. M. F. Barrus in charge. New Greenhouses
- 10 a. m. Rural health. Dr. Carolyn Hedger, McCormick Foundation, Chicago, Illinois. Bailey Auditorium
 Color and design in hand crafts. Dorothy Scott. Caldwell 100
 The importance of milk-quality improvement. Ernest Kelly, United States Department of Agriculture, Washington, D. C. Dairy 218
 The Grange League Federation Exchange. H. E. Babcock. Farm Management 102
 Recent proposed legislation affecting woodland owners in New York State. A consideration of the Fisher Forest Tax Law and the Hewitt Reforestation Acts. R. S. Hosmer. Fernow 122
 The work of a county children's agent. Annida Slavens, Seneca County Children's Agent, Waterloo, New York. East Roberts 222
 The cherry situation. R. W. Rees, New York Central Lines, Rochester, New York. East Roberts 232
 How and where to use evergreens. J. P. Porter. Roberts 392
 Growing early vegetable plants. (Illustrated.) J. E. Knott. Roberts 292
 Silage corn: Are varieties of importance in silage-corn production? R. D. Lewis. Fernow 210
 The organization and management of some successful poultry farms in New York State. R. C. Ogle. Poultry 375
 How to grow alfalfa. H. B. Hartwig. Animal Husbandry A
 Remodeling dairy barns. (Illustrated.) A. M. Goodman. Dairy 119
 Meeting of the New York State unit of the Honorable Guild of Gopatis. Animal Husbandry C
 Care and repair of electrical appliances. F. B. Wright. Rural Engineering Laboratory
 Beekeepers' conference. Dairy 157
 Demonstration: The making of ice cream. (Continued.) Milk Products Laboratory, Dairy Building
 Poultry-judging contest. Teams from high schools and state agricultural schools. D. R. Marble in charge. Poultry Breeding Observation Room
- 11 a. m. Outlook for prices of milk and other farm products. G. F. Warren. Roberts Assembly
 What keeps parents from learning. Flora Thurston, National Council of Parent Education, New York City. Home Economics 245

- Rebuilding and redressing the old chair. Carolyn McIlroy and Florence Wright. Home Economics 300
- The new public-welfare law and how it works in New York State. Elsie Bond, State Charities Aid Association, Albany, New York. East Roberts 222
- Beautifying the country town. D. J. Bushey. Roberts 392
- What rural high schools are doing to serve their communities better. E. N. Ferriss. Caldwell 100
- Some improvements in spray practices. P. J. Parrott, New York State Agricultural Experiment Station, Geneva, New York. East Roberts 232
- Newer varieties and strains of vegetables. (Illustrated.) Paul Work. Roberts 292
- The Arnot forest, Cornell's two-thousand-acre woodlot. J. N. Spaeth. Fernow 122
- Fertilizer economy through the proper use of superphosphate. E. L. Worthen. Fernow 210
- Conference of New York State beef-cattle producers. F. W. Hayden, Wyoming, New York, presiding. Animal Husbandry C
- The cleaning, care, and sterilization of milk utensils on the dairy farm. H. E. Ross. Dairy 119
- Growing turkeys under modern methods. L. E. Weaver. Poultry 375
- Beekeepers' conference. Dairy 157
- Demonstration: The making of ice cream. (Continued.) Milk Products Laboratory, Dairy Building
- 12 m.** Plans for the development of cooperative business in New York State. W. I. Myers. Roberts Assembly
- Ways of reducing the cost of marketing milk. L. Spencer. Farm Management 102
- Fruit breeding, and the pollination work at Geneva. R. Wellington, New York State Agricultural Experiment Station, Geneva, New York. East Roberts 232
- The 4-H garden and potato projects. Bob Adams. Roberts 292
- Bulbs for house plants. M. A. McMaster. Roberts 392
- Cold-iron working. L. M. Roehl. Rural Engineering Laboratory
- Round-table: The new public-welfare law and how it works. Elsie Bond. East Roberts 222
- The New York State Cooperative Official Poultry Breeders, Inc., and what it means to the New York State poultrymen. F. C. Plinston and M. M. Griffiths, President and Secretary-treasurer of the Association. Poultry 375
- Household textiles and furnishings for the tourist homes. Beulah Blackmore and Grace Morin. Home Economics 245
- 1 p. m.** Motion pictures. Bailey Auditorium
- Fruit problems and spray-service-trouble hour. (Until 3 p. m.) Discussion of problems with individual growers by members of the Departments of Pomology, Entomology, and Plant Pathology. East Roberts 232
- Conference with students and farmers to arrange for employment. East Roberts 106
- Potato-judging contest. Teams from high schools and state agricultural schools. E. V. Hardenburg in charge. New Greenhouses
- 2 p. m.** Healthy industrial life a necessity for healthy rural life. Frances Perkins, Industrial Commissioner, State Department of Labor, Albany, New York. Bailey Auditorium
- How to read and understand the financial statements of a cooperative association. W. I. Myers. Marketing Building
- Students' livestock show. Judging Pavilion
- 3 p. m.** The adolescent child. Dr. Carolyn Hedger. Home Economics 245
- Health and clothing problems of young children. Dr. Helen Bull and Ruth Scott. Home Economics 100

- Using an electric refrigerator. Myra J. Robinson. Rural Engineering Laboratory
- The less-known annuals. Alfred Hottes, Associate Editor of *Better Homes and Gardens*, Des Moines, Iowa. (In cooperation with the Ithaca Garden Club.) Baker Laboratory
- Vineyard practices that will help meet the grape situation. F. E. Gladwin, New York State Agricultural Experiment Station, Geneva, New York. Roberts Assembly
- The farmers' interest in the New York State Museum. Charles C. Adams, Director of the New York State Museum, Albany, New York. Roberts 392
- Round-table: Grange methods. Charles M. Gardner. East Roberts 222
- Getting vegetables ready for market. Paul Work. Roberts 292
- Present information concerning the mineral nutrition of poultry. R. W. Bethke, Ohio State Agricultural Experiment Station, Wooster, Ohio. Poultry 375
- Locating causes of high bacteria counts in milk. J. D. Brew. Dairy 119
- Breeding wheat for New York milling conditions. H. H. Love and F. P. Bussell. Fernow 210
- Designing and making a hooked rug. Margaret Morehouse, Frances Libbee, and Margaret Leslie. Costume Shop. Repeated daily at 3 p. m.
- The effect of variety, grade, package, and other factors on the price of apples. L. Spencer. Marketing Building
- Some principles of successful business management. M. L. Holmes. Farm Management 102
- Forum: Pasture improvement. A round-table discussion of pasture problems. (Until 5 p. m.) J. H. Barron in charge. Caldwell 100
- Business meeting of the Alumni Association of the New York State College of Agriculture. East Roberts 232
- Demonstration: Building a concrete milk-cooling tank. (Until 5 p. m.) H. W. Riley and J. C. McCurdy. Rural Engineering Laboratory
- Students' livestock show. (Continued.) Judging Pavilion
- Young Farmers' conference. Caldwell 143
- 4 p. m. Organ recital. H. D. Smith, University Organist. Bailey Auditorium
- The control of rodent pests. (Illustrated.) P. P. Kellogg. Roberts Assembly
- The National Grange Conference at Seattle, Washington. Fred J. Freestone, Master of the New York State Grange, Interlaken, New York. East Roberts 222
- The fertilizer situation in 1930 as it will effect the vegetable grower. E. L. Worthen. Roberts 292
- Clothes moths and how to fight them. Grace H. Griswold. Roberts 392
- The growing of filberts and other nuts. G. L. Slate, New York State Agricultural Experiment Station, Geneva, New York. East Roberts 232
- Marketing farm products in Great Britain. L. Spencer. Farm Management 102
- How to read a pedigree. C. L. Allen. Animal Husbandry A
- The farm-horse situation in New York State and in the United States. M. W. Harper. Animal Husbandry C
- Some rock-garden plants. Lua A. Minns. Baker Laboratory
- Forum: Pasture improvement. (Continued.) Caldwell 100
- Motion pictures. Farm-mechanics film. Dairy 218
- Demonstration: Building a concrete milk-cooling tank. (Continued.) Rural Engineering Laboratory
- Poultry demonstrations, conferences, and round-table discussions:
- Problems in feeding poultry. G. F. Heuser and L. C. Norris. Poultry 375
- Preparing poultry for market, including dry and scald picking. W. G. Krum. Poultry Killing Room
- Poultry-house ventilation. F. L. Fairbanks and J. C. Huttar. Poultry 325
- Individual conferences for poultrymen with extension specialists. L. M. Hurd, Poultry 226; R. C. Ogle, Poultry 300; and L. E. Weaver, Poultry 230
- 5 p. m. Indian farmers' and homemakers' hour. Address by E. A. Bates. Roberts Assembly

Evening

6 p. m. Social hour. Home Economics 245

6.30 p. m. Banquet and annual meeting of the Eastern Aberdeen Angus Association. W. A. McGregor, President, Pine Plains, New York, presiding. Prudence Risley

Home-bureau banquet. Willard Straight Hall. (Open to all who make reservations at the Home Bureau Office, Home Economics Building, before 10 a. m. Thursday)

8 p. m. Eastman Stage contest. Twenty-first annual speaking contest for prizes of \$100 and \$25 given by A. R. Eastman. Bailey Auditorium

FRIDAY, FEBRUARY 14

(All lectures and demonstrations begin 10 minutes after the hour)

8 a. m. Demonstration and practice in the caponizing operation. F. E. Andrews. Poultry 300

8.30 a. m. Fruit-judging contest. Teams from high schools and State agricultural schools. L. H. MacDaniels in charge. Dairy Building

9 a. m. Helping children to learn desirable eating habits. Ethel B. Waring. Home Economics 245

Hats and the new silhouette. Students from the textiles and clothing department, directed by Laura Leske. Home Economics 300

Nature education through the use of motion pictures, with emphasis on the possibilities of their use in rural schools. (Illustrated.) E. L. Palmer. Fernow 122

The farm-tax problem in New York State. M. S. Kendrick. Farm Management 102

The permanent pastures of New York: what they are, how they came to their present conditions, and suggestions for fertilizing them. J. H. Barron. Caldwell 100

Important causes of abnormal flavors in milk. E. S. Guthrie. Animal Husbandry A

Factors affecting feed prices. F. A. Pearson. Marketing Building

Growing peaches under present economic conditions. G. W. Peck. East Roberts 232

The home garden, in prose and verse. Bob Adams. Roberts 292

The planting and care of ornamental evergreens. D. Wyman. Roberts 392

Varieties of wheat, oats, barley, and field peas for different sections of New York State. R. D. Lewis. Fernow 210

Wire platforms, battery brooders, and other recent developments for use in the rearing of chickens. D. R. Marble. Poultry 375

Demonstration with dynamometer: Draft-horse pulling. M. W. Harper. Judging Pavilion

Dairy-stable ventilation. (Illustrated.) A. M. Goodman. Dairy 119

Demonstration: The making of ice cream. (Continued until 12 m.) W. E. Ayres. Milk Products Laboratory, Dairy Building

Young Farmers' conference. Caldwell 143

Beekeepers' conference. Dairy 157

Milk-judging contest. Teams from high schools and state agricultural schools. Ernest Kelly, H. J. Brueckner, H. E. Ross, and J. D. Brew in charge. Dairy 218

10 a. m. The family in modern times. Anna Garlin Spencer, Author and Lecturer, New York City. Roberts Assembly

Rugs: their selection, redyeing, and care. Myra J. Robinson and Florence Wright. Home Economics 100

The court of costume. Students from the textiles and clothing department, directed by Muriel Brasie. Home Economics 300

- The farmers' interest in trapping. W. E. Sanderson, American Humane Association, Albany, New York. Fernow 122
- Cooperative marketing of eggs and poultry. G. B. McIntire, Farm Bureau Manager, Pleasants County, West Virginia. Poultry 375
- The peach situation. R. W. Rees. East Roberts 232
- The European corn borer. G. E. R. Hervey, New York State Agricultural Experiment Station, Geneva, New York. East Roberts 222
- Vegetable varieties for the home garden. (Illustrated.) Paul Work. Roberts 292
- The evidence for and against hardy and non-hardy strains and varieties of red clover and alfalfa. R. G. Wiggins. Fernow 210
- Cooling milk by electricity. H. W. Riley. Dairy 218
- Farm shop and tool equipment. L. M. Roehl. Rural Engineering Laboratory
- Lessons from cow-testing-association results. W. T. Crandall. Animal Husbandry A
- Reasons for state ownership of public markets. F. P. Weaver. Farm Management 102
- Rotation practices for the dairy farm. E. L. Worthen. Caldwell 100
- How to buy ornamental plants for landscaping. C. J. Hunn. Roberts 392
- Demonstration: The making of ice cream. (Continued.) W. E. Ayres. Milk Products Laboratory, Dairy Building
- Beekeepers' conference. Dairy 157
- Demonstration with dynamometer: Draft-horse pulling. (Continued.) Judging Pavilion
- 11 a. m.** Infant and child feeding. Helen Monsch. Home Economics 245
- Design and color in lamp-shade making. Irene Zehner. Home Economics 300
- A program for rural development for New York State. G. F. Warren. Roberts Assembly
- Taxes collected by insects from the farmers. Robert Glasgow, State Entomologist, Albany, New York. East Roberts 222
- The art of vegetable caricature. (Illustrated.) Charity Smith, Ithaca, New York. Roberts 292
- Does advance registry work pay? H. H. Wing, Professor Emeritus, Cornell University, Ithaca, New York. Animal Husbandry A
- A seed-improvement program for New York State potato growers. J. R. Livermore. Fernow 210
- The influence of variations in feeding practice upon egg production. G. F. Heuser. Poultry 375
- Farm motor oils, and lubrication. F. L. Fairbanks. Dairy 119
- Clover- and timothy-hay production. A. F. Gustafson. Caldwell 100
- The use of native materials in camp cooking. J. A. Cope, Eva Gordon, and P. P. Kellogg. Fernow 122
- Diseases of garden flowers. L. M. Massey. Roberts 392
- The selection and preparation of oil sprays. F. Z. Hartzell, New York State Agricultural Experiment Station, Geneva, New York. East Roberts 232
- Demonstration: The making of ice cream. (Continued.) Milk Products Laboratory, Dairy Building
- Beekeepers' conference. Dairy 157
- 12 m.** How foods are canned. Ruth Atwater. Home Economics 245
- Some problems confronting the New York dairy industry. H. A. Ross, The Borden Company, New York City. Farm Management 102
- Factors affecting incomes on poultry farms. W. I. Myers. Poultry 375
- Beautifying the farm home. D. J. Bushey. Roberts 392
- Variations in the percentage of fat in milk. H. J. Brueckner. Dairy 119
- Dairy record clubs. F. B. Morris. Animal Husbandry A
- Factors affecting profits on fruit farms. T. E. LaMont. East Roberts 232
- 1 p. m.** Motion pictures. Bailey Auditorium
- Fruit problems and spray-service-trouble hour. (Until 3 p. m.) Discussion of problems with individual growers by members of the Departments of Pomology, Entomology, and Plant Pathology. East Roberts 232

- Conference with students and farmers to arrange for employment. East Roberts 106
- 2 p. m. Address. The Honorable Franklin D. Roosevelt, Governor of the State of New York, Albany, New York. Bailey Auditorium
- 3 p. m. Selection of small kitchen equipment. Myra J. Robinson. Rural Engineering Laboratory
- Conference: Feeding young children. Helen Monsch and Ethel B. Waring. Home-Economics 100
- Demonstration: Children's parties. Lucile Brewer. Home Economics 245
- Designing and making a hooked rug. Margaret Morehouse, Frances Libbee, and Margaret Leslie. Costume Shop
- Cutting meat carcasses for farm use. D. W. Hartzell, National Livestock and Meat Board, Chicago, Illinois. Animal Husbandry A
- The oriental-fruit moth. D. M. Daniels, New York State Agricultural Experiment Station, Geneva, New York. East Roberts 232
- Investments for farmers. F. A. Pearson. Marketing Building
- Forum: Questions and answers on the production of hay, silage, and grain crops. (Continued until 5 p. m.) H. B. Hartwig and R. D. Lewis. Caldwell 100
- Methods of paying for milk. L. Spencer. Farm Management 102
- The importance of feeding dry cows. E. S. Harrison. Animal Husbandry C
- Some new ideas in marketing eggs. J. S. Putnam. Poultry 375
- Tempering cold chisels and other farm hand tools. L. M. Roehl. Rural Engineering Laboratory
- Reboring a tractor. B. A. Jennings. Rural Engineering Laboratory
- Round-table: Vegetable problems. Members of the staff of the Departments of Vegetable Gardening, Entomology, and Plant Pathology. Roberts 292
- Young Farmers' conference. Dairy 218
- 4 p. m. Some New York State game birds. (Illustrated by motion pictures.) A. A. Allen. Roberts Assembly
- Farming on the Island of Porto Rico. A. M. Goodman. Farm Management 102
- Future prospects of dairying in the hay and grain regions of the New York milk shed. M. P. Catherwood. Animal Husbandry A
- Forum: Hay, silage, and grain production. (Continued.) Caldwell 100
- Poultry demonstrations, conferences, and round-table discussions:
- Selecting hens, pullets, and male birds for egg production. G. O. Hall. Poultry 300
- The what and why of financial poultry records. D. R. Marble. Poultry 325
- Individual conferences for poultrymen with extension specialists. L. M. Hurd, Poultry 226; R. C. Ogle, Poultry 200; and L. E. Weaver, Poultry 230
- 5 p. m. Readings: Rude rural rhymes. (Partly humorous rhymes.) Bob Adams. Roberts Assembly

Evening

- 6.15 p. m. Banquet for members of the school judging teams and members of the Young Farmers' conference. Howard Hill, toastmaster. (Reservations must be made at headquarters, Caldwell 143, before 10 a. m.) Willard Straight Hall
- 8 p. m. Kermis. Plays produced by students of the Colleges of Agriculture and Home Economics. (An admission fee will be charged and the proceeds will be used for student activities.) Bailey Auditorium

SATURDAY, FEBRUARY 15

(All lectures and demonstrations begin 10 minutes after the hour)

- 9 a. m. The how and why of rates for rural electricity in New York State. R. F. Bucknam. Farm Management 102
- How to get and to use farm credit. M. C. Bond. Marketing Building

An experiment to determine the calcium requirements of laying hens. L. C. Norris. Poultry 375
 Paint for farm buildings. R. C. Burnette. Dairy 119
 Conference: Family life. (Continued until 11 a. m.) Anna Garlin Spencer, and others. Home Economics 245

- 10 a. m.** Top-working and bridge-grafting fruit trees. G. W. Peck. East Roberts 232
 Farm manure: its value, conservation, and use. A. F. Gustafson. Caldwell 100
 Construction of modern poultry houses. J. C. Huttar. Poultry 375
 Conference: Family life. (Continued.) Home Economics 245
- 11 a. m.** How to get some hay in the summer of 1930 on farms where last summer's drought killed or badly injured meadows and new seedings. J. H. Barron. Caldwell 100
 Methods and results of share-renting farms. J. F. Harriott. Farm Management 102
 Trends in apple planting in New York State. T. E. LaMont. East Roberts 232
 Some New York State poultry farms. (Illustrated.) L. M. Hurd. Poultry 375
 Refinishing furniture. L. M. Roehl. Rural Engineering Laboratory

SUNDAY, FEBRUARY 16

- 11 a. m.** Chapel service, conducted by the Reverend Albert W. Palmer, President of the Chicago Theological Seminary, Chicago, Illinois. Sage Chapel
- 3.30 p. m.** Vesper service (chiefly musical). The Reverend Albert W. Palmer. Sage Chapel

CONFERENCES

ALUMNI ASSOCIATION OF THE NEW YORK STATE COLLEGE OF AGRICULTURE

President—J. B. KIRKLAND, Freeville, New York
Vice president—E. C. WEATHERBY, Ithaca, New York
Vice president—H. P. BEALS, Cooperstown, New York
Vice president—E. P. SMITH, Sherburne, New York
Secretary-treasurer—A. W. GIBSON, Ithaca, New York

WEDNESDAY, FEBRUARY 12

- 6.15 p. m. Informal reception and supper for all former, regular, special, and winter-course students and for members of the faculties of the Colleges of Agriculture and Home Economics. Tickets must be obtained at Information Booth, Roberts Hall, before 12 o'clock. Willard Straight Hall

THURSDAY, FEBRUARY 13

- 3 p. m. Business meeting. East Roberts 232

ALUMNAE ASSOCIATION OF THE NEW YORK STATE COLLEGE OF HOME ECONOMICS

President—DOROTHY DeLANY, Ithaca, New York
Vice president—RUTH DAVIS, Ithaca, New York
Secretary-treasurer—RUTH RICE McMILLAN, Ithaca, New York
Executive committee—FRANCES MATHEWS GRAHAM, Salamanca,
New York
CLARIBEL NYE, Ithaca, New York
MARY WRIGHT HARVEY, Ithaca, New York

WEDNESDAY, FEBRUARY 12

- 12 m. Luncheon meeting. Home Economics 100. Luncheon prepared and served by Home Economics Club
- 6.15 p. m. Informal reception and supper for all former, regular, and special students and for members of the faculties of the Colleges of Home Economics and Agriculture. Tickets must be obtained at Information Booth, Home Economics, before 12 o'clock. Willard Straight Hall

NEW YORK SEED IMPROVEMENT COOPERATIVE ASSOCIATION, INC.

President—BRUCE P. JONES, Hall, New York
Vice president—GEORGE WINFIELD LAMB, Hubbardsville, New York
Secretary-treasurer—ELIZABETH B. LYMAN, Ithaca, New York

TUESDAY, FEBRUARY 11

Fernow 122

- 10 a. m. Recent developments in potato spraying. Results of experiments conducted at the Cornell University Agricultural Experiment Station. F. M. Blodgett
- 11 a. m. Business meeting
- 12 m. Seed treatment of barley and other grains. J. G. Horsfall, New York State Agricultural Experiment Station, Geneva, New York
- 3 p. m. Recent investigations on the sprouting of potatoes. F. C. Stewart, New York State Agricultural Experiment Station, Geneva, New York
- 4 p. m. Cultural methods of New York premier potato growers. E. V. Hardenburg
- 5 p. m. Business meeting. (Continued.)

WEDNESDAY, FEBRUARY 12

Fernow 122

- 9 a. m. Present and future problems in the production of certified seed of grain and forage crops in New York. R. D. Lewis
- 10 a. m. Report on potato inspection in New York State during 1929. K. H. Fernow
- 11 a. m. Progress in seed-potato improvement. J. R. Livermore
- 12 m. How can the seed laboratory help farmers to get better seed? M. T. Munn, New York State Agricultural Experiment Station, Geneva, New York
- 3 p. m. Potato grading and the proposed potato-grading law. E. V. Hardenburg

NEW YORK COOPERATIVE SEED POTATO ASSOCIATION, INC.

President—ALONZO G. ALLEN, Waterville, New York
Vice president—LYMAN L. FOOTE, Malone, New York
Secretary-treasurer—GEORGE WINFIELD LAMB, Hubbardsville, New York

For lectures of interest to potato growers during the week, refer to the general program and to the program of the New York Seed Improvement Cooperative Association, Inc.

TUESDAY, FEBRUARY 11

- 1 p. m. Business meeting. Fernow 122

WEDNESDAY, FEBRUARY 12

- 1 p. m. Business meeting. (Continued.) Fernow 122

GRANGE CONFERENCE

WEDNESDAY, FEBRUARY 12

East Roberts 222

- 9 a. m. The work of a county nurse. Marion May, Public Health Nurse, Tompkins County, Ithaca, New York
- 9.30 a. m. New phases of public-health work. Dr. D. F. Smiley
- 10 a. m. The county health department. Nina V. Short, State Charities Aid Association, Albany, New York
- 11 a. m. Round-table: Grange programs. Elizabeth Arthur, Lecturer of the New York State Grange, Lowville, New York, in charge
- 2 p. m. Address. Charles M. Gardner, High Priest of Demeter and Editor of the *National Grange Monthly*, Springfield, Massachusetts. Bailey Auditorium
- 3 p. m. The powers and possibilities of country life. Elizabeth Arthur
- 3-6 p. m. Rural-health exhibit. Nina V. Short in charge. Roberts Hall, second floor
- 4 p. m. The rural traveling library. Marjorie Beal, State Education Department, Albany, New York

THURSDAY, FEBRUARY 13

East Roberts 222

- 9 a. m. New phases of social-welfare work. Dwight Sanderson
- 10 a. m. The work of a county children's agent. Annida Slavens, Seneca County Children's Agent, Waterloo, New York
- 11 a. m. The new public-welfare law and how it works in New York State. Elsie Bond, State Charities Aid Association, Albany, New York
- 2 p. m. Healthy industrial life a necessity for healthy rural life. Frances Perkins, Industrial Commissioner, State Department of Labor, Albany, New York
- 3 p. m. Round-table: Grange methods. Charles M. Gardner
- 4 p. m. The National Grange Conference at Seattle, Washington. Fred J. Freestone, Master of the New York State Grange, Interlaken, New York

YOUNG FARMERS' CONFERENCE

Training school for leadership

WEDNESDAY, FEBRUARY 12

- 7.30 p. m. State contest in dramatics. University Theater, Willard Straight Hall

THURSDAY, FEBRUARY 13

Caldwell 143

E. R. Hoskins, presiding

- 9-11 a. m. Demonstration and practice in leading games. R. A. Felton
- 11 a. m. Developing and delivering declamations. A. K. Getman, State Education Department, Albany, New York
- 1 p. m. Motion pictures. Bailey Auditorium

- 2-4 p. m.** Public speaking and parliamentary procedure. G. E. Peabody
- 4 p. m.** Plans for Young Farmers' speaking contests. W. J. Weaver, State Education Department, Albany, New York
- 8 p. m.** Eastman Stage Contest. Bailey Auditorium

FRIDAY, FEBRUARY 14

Caldwell 143

- 9 a. m.** Local and sectional leadership. Chairman, assisted by chapter presidents, sectional vice-presidents, and former leaders in the association
- 10-12 a. m.** Practice in parliamentary procedure. G. E. Peabody
- 2 p. m.** Address. The Honorable Franklin D. Roosevelt, Governor of the State of New York. Bailey Auditorium
- 3-5 p. m.** Third midwinter meeting of the Association of Young Farmers of New York. (Branch of the Future Farmers of America.) Speaker, W. I. Myers. Howard Hill, President and "American Farmer," presiding. Dairy 218
- 6.15 p. m.** Banquet for members of the school judging teams and for members of the Young Farmers' conference. Howard Hill, toastmaster. (Reservations must be made at headquarters, Caldwell 143, before 10 a. m.) Willard Straight Hall

JOINT CORNELL INDIAN BOARDS

President—WALTER KENNEDY, Allegany Reservation, Salamanca, New York

Secretary—ALEX WHITE, St. Regis-Mohawk Reservation, Nyando, New York

Chairman, Joint Homemakers' Board—MINNIE SCHENANDOAH, Onondaga Reservation, New York

WEDNESDAY, FEBRUARY 12

Annual meeting of the Joint Cornell Indian Boards, with talks by the following: Mrs. W. H. Jones, Ogdensburg, New York, chairman of the Olive Whitman Indian Scholarship Committee of the Daughters of the American Revolution; Annie M. Hatch, chairman of the Indian Welfare Committee of the New York State Federation of Women's Clubs; and Dr. Charles C. Adams, Director of the New York State Museum at Albany

THURSDAY, FEBRUARY 13

- 5 p. m.** Indian farmers' and homemakers' hour. Address by E. A. Bates. Roberts Assembly

BEEKEEPERS' CONFERENCE

MONDAY, FEBRUARY 10

Dairy 157

- 9 a. m. The nature and composition of nectar. A. W. Woodrow
- 10 a. m. Pollen grains found in honey. E. F. Phillips
- 11 a. m. Proteins in honey. B. A. Slocum

TUESDAY, FEBRUARY 11

Dairy 157

- 9 a. m. The sugars of honey. E. F. Phillips
- 10 a. m. The enzymes of honey. B. A. Slocum
- 11 a. m. Rare sugars found in some honeys. E. J. Dyce, Ontario Agricultural College, Guelph, Ontario, Canada
- 3 p. m. Providing for cross-pollination in orchards. L. H. MacDaniels. East Roberts 232
- 4 p. m. Honeybees as pollinating agents. E. F. Phillips. East Roberts 232

WEDNESDAY, FEBRUARY 12

Dairy 157

- 9 a. m. Yeasts in honey, and honey fermentation. E. F. Phillips
- 10 a. m. Disinfecting properties of honey. C. C. Gillette
- 11 a. m. The colors of honey. B. A. Slocum

THURSDAY, FEBRUARY 13

Dairy 157

- 9 a. m. Mineral constituents of honey. B. A. Slocum
- 10 a. m. The bottling of honey. E. F. Phillips
- 11 a. m. The granulation of honey. E. J. Dyce

FRIDAY, FEBRUARY 14

Dairy 157

- 9 a. m. Abnormal and unusual honeys. L. E. Dills
- 10 a. m. The use of honey in manufactured products. B. A. Slocum
- 11 a. m. Flavoring materials in honey. E. F. Phillips

FRUIT PROBLEMS AND SPRAY SERVICE CONFERENCE

Fruit growers who have trouble in controlling insects and diseases, and have had other problems in fruit growing, will have an opportunity to discuss these questions with members of the Departments of Pomology, Entomology, and Plant Pathology in a general fruit-problems-trouble hour. This conference will be held daily from 1 to 3 p. m. in East Roberts 232. Persons are urged to bring specimens whenever possible.

LESSON ON A POTATO DISEASE

The purpose of the lesson is to give potato growers an opportunity to see with a microscope the fungus that causes the *Rhizoctonia* disease of potatoes. This is one of the most common of potato diseases and produces a black scurf which is so prevalent on tubers, a russetting and pitting of tubers, a sprout rot, a rosetting of the vines, and the production of aerial tubers. Specimens that show all the various symptoms will be exhibited, and there will also be a discussion of the various aspects of the disease and of measures that are helpful in control. All potato growers, and especially growers of seed potatoes, will profit by attending this demonstration.

Admission to this demonstration will be by ticket because the accommodations in the laboratory are limited. The tickets may be obtained, free of charge, from the Plant Pathology Office in the basement of Bailey Hall.

The demonstration will be held in the Plant Pathology Laboratory in the west basement of Bailey Hall, Wednesday, 4 p. m., and will be conducted by M. F. Barrus.

VISUAL INSTRUCTION EXTENSION SERVICE

The College maintains a loan-lantern-slide service. The collection embraces approximately 6000 slides on some sixty topics relating to farm problems and rural life. These slides are available to residents of the State for return transportation charges only. They are especially adapted to the use of grange lecturers, rural pastors, high-school teachers of agriculture, and other leaders in the field of agricultural education. A catalog and further detailed information will be gladly furnished. Those interested should inquire for G. S. Butts, Roberts Hall, Room Z in the basement, daily, 10 a.m. to 4 p. m.

Catalogs of the offerings by leading commercial companies and government offices are on file. There are more than two hundred separate sources of educational films. Many of these films are furnished for the transportation charges only.

STUDENT EMPLOYMENT

The winter courses close with Farm and Home 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 East Roberts, 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 in Ithaca.

EXHIBITS

Animal Husbandry.—Feeds and rations. Formulas and ingredients for feeds and rations will be on exhibition on the second floor of the Animal Husbandry Building.

Note. Trucks will leave the Animal Husbandry Building at 2 p. m. and 3.15 p. m. on Tuesday and on Wednesday to take interested visitors to inspect the herd in the protein-feeding demonstration.

Correspondence Courses.—The office of farm-study courses—to enable farmers, poultrymen, dairymen, fruit growers, vegetable gardeners, beekeepers, and others to learn the latest facts about their industries—may be found in the basement of Roberts Hall. Here the supervisor of the courses may be interviewed every morning by those who are taking, or have taken, or expect to take any of the various courses offered.

Entomology.—Insects of farm, orchard, garden, and home. This exhibit will be of interest both to the farmer and to the housewife. It will include specimens of those insect pests that attack the orchard, the vegetable garden, the flower garden, the woodlot, and the farm animals. Here one may see the white-pine weevil and its work, the European corn borer, the Japanese beetle, the Mexican bean beetle, and other injurious insects recently established in New York State, together with the common insect pests of fruits and vegetables.

Such well-known household pests as clothes moths, carpet beetles, cockroaches, and the like, will also be on display. Under microscopes may be seen at close range some of the more intimate pests, such as the bedbug and the head louse, and other insects affecting man and his domestic animals. Insects that attack house plants also have a place in the exhibit. On one side of the room will be found different kinds of sprayers and dusters together with a collection of the more common insecticides.

Cases containing specimens of the common moths and butterflies of Ithaca and a case or two of wonderfully colored tropical butterflies will also be exhibited. Roberts 302.

Forestry.—The exhibit will feature an improvement cutting for fuel wood in a second-growth woodlot. Ninety square feet of floor space will be occupied with eleven species of trees, ranging in diameter from 4 to 6 inches, that are to be found in the average woodlot. Those specimens, the removal of which will improve the woodlot, will be marked. In one corner of the exhibit will be an area with the marked trees already cut, with only the stumps showing, and in the background will be a stack of the cord wood resulting from the cut. Fernow 118.

A guessing contest concerning the names of all the trees in the woodlot will also be featured as a part of the exhibit.

4-H Club Work.—In the corridor on the second floor of Roberts Hall will be an exhibit of charts, pictures, literature, project records, organization material, certificates, and awards depicting the scope and the nature of the 4-H Clubs in New York State. Members of the staff will be on hand daily from 9 a. m. to 5 p. m. to answer questions.

Home Economics

Table setting for a Sunday-night supper. Monday, 4 to 6 p. m. Room 245. Students' work in clothing and textiles. In charge of faculty and students.

Tuesday to Friday inclusive, 9 a. m. to 5 p. m. Room 300.

Attractive meals for the family. Tuesday, 5 to 6 p. m. Room 200.

Muffins and cakes, showing the effects of various leavening agents. Wednesday, 4.30 to 5.30 p. m. Room 200.

Vegetable cookery. Thursday, 4 to 5.30 p. m. Room 200.

Foods for children. Tuesday to Friday inclusive, 4 to 5.30 p. m. Nursery School, No. 1, The Circle.

Toys, books, equipment, children's drawings, food and clothing needs for children. Tuesday to Friday inclusive, 4 to 5.30 p. m. Nursery School, No. 1, The Circle.

Kitchen and laundry complete. Furnished in Rural Engineering Laboratory. Ideas in color and design for the home. Daily, 9 a. m. to 5 p. m. Room 415.

Hooked rugs made by members of county home bureaus of New York State. Daily, 9 a. m. to 5 p. m. Costume Shop.

Rescuing the old furnishings. Lantern slides and photographs. Daily, 9 a. m. to 5 p. m. Room 400.

Horseshoeing.—Those interested in farm horseshoeing or in farm blacksmithing, including welding, tempering, and other iron work, will find both in actual operation at the Veterinary College Farriery. Professor Asmus will be present to discuss problems of horseshoeing and iron working.

Plant Breeding.—Recommended varieties and strains of the various field crops will be shown in exhibits of type plants and seed samples. The application of plant-breeding methods to cabbage improvement will be illustrated. The method of inbreeding and subsequent crossing of inbred strains as an effective means of corn improvement will be shown by appropriate plant material and data. The application of the seed-staining law will be illustrated in the case of clover and alfalfa seed.

Pomology.—The Department of Pomology will have a display of apple varieties from various parts of the United States, which is an annual feature of the Farm and Home Week. The old well-known sorts for which New York has been famous, such as Baldwin, Rhode Island Greening, Northern Spy, and Tompkins King, will be exhibited at their best. Many will be interested to see the newer varieties that have become so popular in the last few years, such as McIntosh, Cortland, and Starking.

Storage troubles of apples often cause serious market losses. Typical specimens affected with apple scald, blue mold, and other troubles will be shown and suggestions will be made for control or prevention.

Considerable interest is developing in the growing of nuts in this State. Through the courtesy of the New York Agricultural Experiment Station at Geneva, one of the finest variety collections of Filberts in the United States will be on display.

Poultry.—Marketing poultry, and production of quality eggs: Shipping appliances; best methods of preparation for market and packing; crates for safest transportation and highest prices. Poultry 100.

Exhibits of grades of eggs under the New York State grading law. Poultry 100.

Market prices and methods of transportation and marketing, shown by charts and illuminated lantern slides. Main entrance and corridor, first floor, Poultry Building.

A two-pen section of a poultry house for egg-laying contests. Outdoors, north of Poultry Building.

Breed improvement: Methods of selecting hens, pullets, and male birds for production, by means of their external characters; illustrated by live birds, colored charts, illuminated lantern slides, and the like. Poultry 300.

Persons interested will find here information about the correspondence courses given by the Department.

Publications.—The mailing room of the Colleges of Agriculture and Home Economics is open in the basement of Roberts Hall. Here visitors may obtain lists of publications, or the bulletins themselves, on a wide variety of topics.

A showing of the various activities and printed matter issued from the office of publication is on view in the basement of Roberts Hall in Room 51.

Rural Engineering.—All exhibits are in the Rural Engineering Laboratory.

Modern house wiring: In this exhibit will be shown examples of properly installed electric wiring for lighting fixtures, switches, and outlets for connecting the modern electrical household conveniences, such as toasters and vacuum cleaners.

Water supply: There will be on display automatic electric pumping outfits; several types of pumps, pump jacks, and storage tanks; and an exhibit of plumbing for hot and cold running water in the kitchen, from a gravity supply tank.

Farm lighting plants: A 32-volt automatic battery type and a 110-volt automatic non-battery type will be on exhibition.

Cooking appliances for the farm home: This will include electric ranges, farm pressure cylinder gas plants and gas ranges, water heaters, milk warmers, and other small appliances.

Radio: A display of several modern radio sets together with the proper construction of the more common types of aërials and ground connections.

Farm shop: Homemade saw clamp stand; equipment for gumming and fitting circular, drag, and hand saws; foot-power and motor-driven farm grinders; tools, clamps, and repair parts for mending harness; carpentry tools; a homemade farm anvil; forges, drills, and general tools for cold-metal working and general blacksmithing.

Farm power: Electric motors of sizes suitable for use for farm power purposes such as silo filling, wood sawing, feed grinding, and hay hoisting, connected to suitable equipment, will be on display. There will also be modern tractors attached to modern machinery arranged for power take-off operation.

Electric milk cooling: Several different electric milk cooling equipments will be on display as well as an exhibit to show one good way of building an insulated concrete milk-cooling tank.

Rural Schools.—A Rural School Leaflet exhibit, representing particularly work done in nature study. A section of the exhibit is designed to suggest helpful methods of teaching nature study. Fernow 8, throughout the week.

United States Weather Bureau.—Charts and maps illustrating the collection of weather information, the preparation of weather maps, and the distribution of forecasts in New York State. Roberts 442.

INDEX OF SPEAKERS

Adams, Bob, 4, 5, 12, 14, 16, 18
 Adams, Charles C., 15, 23
 Allen, A. A., 5, 8, 12, 18
 Allen, C. L., 15
 Andrews, F. E., 5, 8, 12, 16
 Arthur, Elizabeth, 10, 11, 22
 Atwater, Ruth, 17
 Ayres, W. E., 4, 6, 9, 13, 16, 17

Babcock, H. E., 6, 9, 13
 Barron, J. H., 4, 5, 9, 15, 16, 19
 Barrus, M. F., 13, 25
 Bates, E. A., 15, 23
 Bates, Miriam Bartlett, 11
 Beal, Marjorie, 6, 7, 12
 Bentley, John, jr., 10
 Bethke, R. W., 15
 Birch, R. R., 6
 Blackmore, Beulah, 14
 Blodgett, F. M., 6, 21
 Bond, Elsie, 14, 22
 Bond, M. C., 4, 12
 Booker, Nancy Lee, 7
 Brasie, Muriel, 6, 11, 16
 Brew, J. D., 8, 9, 11, 15, 16
 Brewer, Lucile, 7, 8, 18
 Brownell, S. J., 5
 Brueckner, H. J., 10, 16, 17
 Brunett, E. L., 5, 7, 12
 Bucknam, R. F., 8, 13
 Bull, Dr. Helen, 13, 14
 Burnette, R. C., 19
 Burrell, A. B., 4, 15
 Bushey, D. J., 14, 17
 Bussell, F. P., 15

Canon, Helen, 10
 Carrick, D. B., 5
 Catherwood, M. P., 6, 18
 Coleman, George L., 8
 Collison, R. C., 9
 Cope, J. A., 4, 11, 17
 Crandall, W. T., 17
 Crosby, C. R., 5
 Curtis, R. W., 6, 11
 Cushman, Ella M., 7

Daniels, D. M., 18
 DeFrance, J. A., 6, 13
 Dills, L. E., 24
 Dyce, E. J., 24

Emerson, R. A., 9

Fairbanks, F. L., 5, 8, 9, 15, 17
 Farrand, Livingston, 7
 Felton, R. A., 6, 22
 Fenton, Faith, 13
 Fernow, K. H., 9, 21
 Ferriss, E. N., 14
 Fincher, M. G., 7

Fowler, Marie B., 9, 11
 Fraser, A. C., 11
 Freestone, Fred J., 15, 22

Gardner, Charles M., 11, 15, 22
 Gardner, Grace, 11
 Getman, A. K., 22
 Gillette, C. C., 24
 Gladwin, F. E., 15
 Glasgow, Hugh, 7
 Glasgow, Robert, 17
 Goodman, A. M., 5, 7, 10, 13, 16, 18
 Gordon, Eva, 17
 Grams, W. T., 9, 10
 Griffiths, M. M., 14
 Griswold, Grace H., 10, 15
 Gustafson, A. F., 5, 6, 8, 11, 13, 17
 Guterman, C. E. F., 10, 19
 Guthrie, E. S., 7, 16

Hall, G. O., 5, 6, 12, 18
 Hammond, M. S., 10
 Hardenburg, E. V., 5, 8, 11, 14, 21
 Harman, S. W., 11
 Harper, F. A., 4
 Harper, M. W., 9, 15, 16
 Harriott, J. E., 5, 19
 Harrison, E. S., 18
 Hart, V. B., 4, 5, 13
 Hartwig, H. B., 4, 7, 9, 13, 18
 Hartzell, D. W., 18
 Hartzell, F. Z., 17
 Hatch, Annie M., 23
 Hayden, F. W., 14
 Hedger, Dr. Carolyn, 13, 14
 Heinicke, A. J., 13
 Hening, J. C., 10
 Henry, Mary, 7, 11
 Herrick, G. W., 8, 11
 Hervey, G. E. R., 17
 Heuser, G. F., 6, 8, 12, 15, 17
 Heyl, Helen Hay, 7
 Hill, F. F., 5
 Hill, Howard, 18, 23
 Hinman, R. B., 5, 7, 11
 Holmes, M. L., 15
 Hopkins, A. S., 10
 Hopper, H. A., 5, 13
 Horsfall, J. G., 7, 21
 Hoskins, E. R., 22
 Hosmer, R. S., 13
 Hottes, Alfred, 15
 Howe, G. H., 10
 Hunn, C. J., 9, 17
 Hurd, L. M., 5, 8, 12, 13, 15, 18, 19
 Huttar, J. C., 4, 5, 8, 15, 19

Jennings, B. A., 5, 7, 9, 18
 Jones, F. A., 12
 Jones, Mrs. W. H., 23

Kellogg, P. P., 12, 15, 17
 Kelly, Ernest, 13, 16
 Kendrick, M. S., 4, 16
 Kimball, Lucy, 5
 Knott, J. E., 10, 13
 Krum, W. G., 5, 8, 15
 Kruse, Paul J., 5, 7

LaMont, T. E., 7, 11, 17, 19
 Leske, Laura, 9, 16
 Leslie, Margaret, 7, 11, 15, 18
 Lewis, R. D., 5, 9, 13, 16, 18, 21
 Libbee, Frances, 7, 11, 15, 18
 Livermore, J. R., 10, 17, 21
 Love, H. H., 6, 12, 15

McBride, Kathleen, 5, 7
 McCurdy, J. C., 6, 9, 15
 MacDaniels, L. H., 8, 16, 24
 McGregor, W. A., 16
 McIlroy, Caroline, 7, 14
 McIntire, G. B., 17
 McMaster, M. A., 12, 14
 Mann, A. R., 4
 Marble, D. R., 5, 13, 16, 18
 Marquardt, J. C., 10
 Massey, L. M., 17
 Masterman, Nancy K., 7
 Matheson, R., 12
 Maughan, G. H., 10
 May, Marion, 9, 22
 Maynard, L. A., 6
 Minns, Lua A., 7, 15
 Monsch, Helen, 17, 18
 Morehouse, Margaret, 7, 11, 15, 18
 Morin, Grace, 5, 14
 Morris, F. B., 17
 Morrison, F. B., 9
 Munn, M. T., 10, 21
 Myers, C. H., 13
 Myers, W. I., 9, 14, 17, 23

Norris, L. C., 4, 8, 12, 15, 19

Ogle, R. C. 5, 8, 12, 13, 15, 18
 Oskamp, J., 4, 9

Palmer, Dr. Albert W., 19
 Palmer, E. L., 16
 Parrott, P. J., 14
 Peabody, G. E., 23
 Pearson, F. A., 16, 18
 Peck, G. W., 16, 19
 Perkins, Frances, 13, 22
 Pfund, Marion, 11
 Phillips, E. F., 8, 24
 Plinston, F. C., 14
 Porter, J. P., 7, 13
 Putnam, J. S., 18
 Pyrke, Berne A., 10

Randolph, F. H., 10
 Rankin, W. H., 6
 Ratsek, J. C., 7
 Rees, R. W., 13, 17
 Reeves, Katherine, 11
 Rice, J. E., 9
 Richardson, Anna Steese, 9
 Riley, H. W., 6, 15, 17
 Robb, B. B., 4, 6
 Robinson, Myra J., 7, 9, 11, 15, 16, 18
 Roehl, L. M., 4, 5, 6, 8, 10, 11, 13, 14, 17, 18, 19
 Roman, Nancy McNeal, 9, 11
 Roosevelt, The Hon. Franklin D., 18, 23
 Rose, Flora, 10
 Ross, H. A., 17
 Ross, H. E., 8, 14, 16

Sanderson, Dwight, 13, 22
 Sanderson, W. E., 17
 Savage, E. S., 10
 Sayre, C. B., 12
 Schutt, C. D., 5, 7, 11
 Scidmore, Alma, 7, 9
 Scott, Dorothy, 11, 13
 Scott, Ruth, 11, 12, 14
 Scoville, G. P., 6
 Sexauer, Fred, 7
 Shaben Lillian, 9
 Short, Nina V., 9, 11, 22
 Silver, James, 12
 Slate, G. L., 6, 15
 Slavens, Annida, 13, 22
 Slocum, B. A., 24
 Smiley, D. F., 9, 22
 Smith, Charity, 17
 Smith, H. D., 15
 Space, R. Tyler, 11
 Spaeth, J. N., 14
 Spencer, Anna Garlin, 16, 19
 Spencer, L., 4, 9, 14, 15, 18
 Spring, S. N., 6, 8, 11
 Stewart, F. C., 8, 21
 Stocking, Jay T., 4

Thompson, E. H., 10
 Thompson, H. C., 6, 9
 Thurston, Flora, 13
 Townsend, Byrd, 8

Underwood, F. O., 10

Van Rensselaer, Martha, 6
 Van Wagenen, Jared, jr., 5, 8
 Vaughan, L. M., 9

Waring, Ethel B., 16, 18
 Warren, G. F., 7, 10, 11, 13, 17
 Warren, Stanley, 6
 Weaver, F. P., 4, 17
 Weaver, L. E., 5, 6, 8, 12, 14, 15, 18

Weaver, W. J., 23
Welch, D. S., 7, 8
Wellington, R., 14
White, E. A., 9
Wiggans, R. G., 8, 17
Wightman, Dorothy, 6
Wilgus, H. S., jr., 9
Wilker, Marguerite, 7
Williams, Ernest, 12
Willman, H. A., 13
Willman, J. P., 8, 9, 10

Wilson, A. L., 8
Wing, H. H., 17
Woodrow, A. W., 24
Work, Paul, 6, 14, 15, 17
Worthen, E. L., 6, 10, 11, 14, 15, 17
Wright, F. B., 6, 13
Wright, Florence, 7, 14, 16
Wright, W. J., 11
Wyman, D., 8, 16

Zehner, Irene, 10, 17

CORNELL UNIVERSITY OFFICIAL PUBLICATION

Entered as second-class matter, December 14, 1916, at the post office at Ithaca, New York, under the Act of August 24, 1912.

Issued at Ithaca, New York, twice a month from December to June inclusive and monthly from July to November inclusive.

This series of pamphlets is designed to give prospective students and other persons information about Cornell University. No charge is made for the pamphlet unless a price is indicated after its name in the list below. Requests for pamphlets should be addressed to the Secretary of the University at Ithaca. *Money orders should be made payable to CORNELL UNIVERSITY.*

The prospective student should have a copy of the

General Information Number

and a copy of one or more of the following Announcements:

Announcement of the College of Arts and Sciences.

Announcement of the College of Engineering.

Announcement of the Law School.

Announcement of the College of Architecture.

Announcement of the New York State College of Agriculture.

Announcement of the Winter Courses in the College of Agriculture.

Announcement of the New York State College of Home Economics.

Announcement of the New York State Veterinary College.

Announcement of the University Division of Education.

Announcement of the Department of Chemistry.

Announcement of the Graduate School.

Announcement of the Summer Session.

Announcement of the Summer Session of the Law School.

Announcement of the Summer School of Biology.

Announcement of the Farm Study Courses.

Program of the Annual Farm and Home Week.

Annual Report of the President.

Special departmental announcements, a list of prizes, etc.

Other periodicals are these:

The Register, published annually in September, and containing, not announcements of courses, but a comprehensive record of the University's organization and work during the last year. Price, 50 cents.

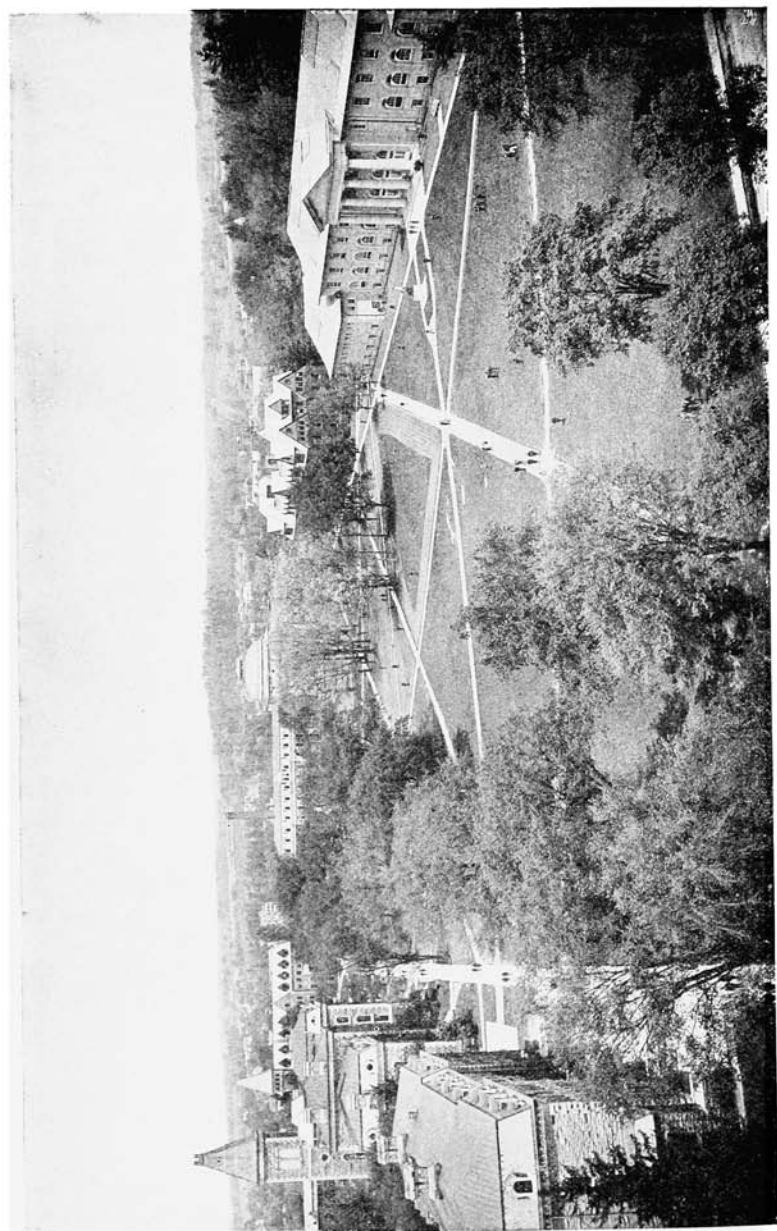
Guide to the Campus. A book of 132 pages, including 55 illustrations and a map in three colors. Price, 50 cents.

Directory of the University. Price, 10 cents.

The *Announcement of the Medical College* may be obtained by addressing the Cornell University Medical College, Ithaca, New York.

Correspondence regarding the Cornell University Official Publication should be addressed to

THE SECRETARY, CORNELL UNIVERSITY,
ITHACA, NEW YORK.



CORNELL UNIVERSITY'S MAIN QUADRANGLE

The principal buildings of the College of Engineering are here shown at the farther end of the Quadrangle.