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# Oregon Agricultural College Extension Service

R. D. HETZEL  
Director

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Part I. Farmers' and Home-Makers'  
Week Program

and

Part II. Convention and Conference  
Session Programs

1917



CORVALLIS, OREGON

Oregon State Agricultural College and  
United States Department of Agriculture  
Cooperating

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The bulletins of the Oregon Agricultural College are free to all  
residents of Oregon who request them.

# OREGON AGRICULTURAL COLLEGE

W. J. Kerr, President.

## EXTENSION SERVICE.

R. D. Hetzel, Director.

H. A. Vickers, Secretary.

The Extension Service of the Oregon Agricultural College embraces all instructional work done by the College staff outside the institution, and Farmers' and Home-Makers' Week at the College. This includes institute, lecture, and fair work in all its varied phases, supervision of the county demonstration and farm work provided for by state legislation; Boys' and Girls' Industrial Club work; correspondence courses; preparation of educative exhibits; publication of bulletins and distribution of news matter; cooperative work with granges, farmers' unions, schools, churches, commercial clubs, and other progressive organizations in the promotion of industrial and social enterprises. The Extension Service, in short, consists of carrying out to the people of Oregon practical and usable information on all subjects taught at the College.

Application for assistance along any of the lines indicated, together with all particulars relating thereto, should be sent to the Director of Extension as far in advance as possible. It is the desire of the College to help all who apply, but its staff, facilities, and funds are limited; consequently, short notice requests may not find the service in position to render the best service.

Particular attention is called to the fact that counties desiring to organize for agricultural field and demonstration work, under the provision of Chapter 110, Laws of 1913, must make an initial appropriation in order to secure the State aid. Those interested in promoting this work should communicate with the Director of Extension, or the County Agent Leader, at the Agricultural College, with reference to the best methods of procedure.

Manuscript lectures, with lantern-slides illustrations, are available to such communities as desire them, without further cost than the transportation charges. Write for circular describing subjects and pictures.

### CENTRAL STAFF

Paul V. Maris, State Leader County Agents  
H. C. Seymour, State Leader Club Work  
Hector Macpherson, Organization and Markets  
E. B. Fitts, Dairy Husbandry  
J. E. Larson, Agronomy  
W. S. Brown, Horticulture  
W. A. Barr, Dairy Husbandry  
M. O. Evans, Asst. Leader County Agents  
C. J. McIntosh, Editor Press Bulletin  
Anna Turley, Home Economics  
Helen Cowgill, Asst. Leader Club Work  
C. C. Lamb, Poultry  
F. W. Kehrl, Dairy Husbandry  
H. F. Keyes, Farm Management Demonstrations  
L. J. Allen, State Pig Club Agent  
G. L. Hurd, Organization and Markets

### COUNTY AGENTS

R. R. Blanchard, Redmond, Crook County  
C. C. Cate, Medford, Jackson County  
A. R. Chase, The Dalles, Wasco County  
H. R. Glaisyer, Klamath Falls, Klamath County  
S. B. Hall, Gresham, Multnomah County  
O. B. Hardy, Lakeview, Lake County  
W. W. Howard, Ontario, Malheur County  
C. L. Jamison, Fossil, Wheeler County  
R. C. Jones, Tillamook, Tillamook County  
W. L. Kadderly, Asst., Gresham, Multnomah Co.  
C. A. Noren, Asst., Medford, Jackson County  
N. S. Robb, Eugene, Lane County  
M. S. Shrock, McMinnville, Yamhill County  
J. L. Smith, Coquille, Coos County  
P. H. Spillman, La Grande, Union County  
C. D. Thompson, Grants Pass, Josephine County

# Farmers' and Home-Makers' Week and Convention Sessions.

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Oregon Agricultural College  
Corvallis, Oregon.

January 2nd to 6th inclusive.

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The instructional work outlined in the following pages is offered in the belief that it is of sufficient value to the people of the State to justify their coming to the Agricultural College to attend the exercises. The lectures and demonstrations will be practical and to the point. The subject matter will be of interest and profit to farmers, business men, housewives, and all men and women interested in the industrial progress, the social betterment, and the general welfare of the State.

Approximately twenty-five conventions and conferences will be held during the sessions for the consideration of particular problems. A serious attempt will be made to outline plans of campaign which will be effective in securing results during the next year. The assistance and counsel of all interested persons is desired.

**Entertainment.**—Everything possible will be done to make it pleasant and profitable for those who attend the exercises. Committees of the faculty will meet guests at the trains and assist them to secure accommodations. Throughout the week guides will be available for those who wish to inspect the College plant.

**Accommodations.**—Room and board may be secured in private families in Corvallis for from \$5.00 to \$6.00 a week. Rooms without board are about 50 cents a day. Board and room at Waldo Hall may be secured by women at \$5.00 a week. Regular meals for the five days, by both men and women at about 50 cents a day.

Visitors are requested to report at the Information Bureau in Agricultural Hall where a complete list of rooming and boarding places is available. Attendants will be glad to give any desired information. Members of the accommodation committee will meet all trains and will be pleased to assist visitors to find satisfactory accommodations.

**Railway Rates.**—The various railways of Oregon, Washington and Idaho have granted a rate of a fare and a third on the certificate plan. All those who are planning to come should be sure to secure the proper receipt from their local agent at the time they purchase their ticket. These receipts must be signed by the Secretary of Extension, Room 128, Agricultural Hall, before purchasing return ticket.

**Registration.**—All who attend the lectures should register at the Information Bureau in the Agricultural Building at the earliest possible moment after their arrival. There will be no fees or charges of any kind.

**General Assemblies.**—Every day from 11:00 to 12:00 o'clock there will be a general assembly in the Women's Gymnasium, at which time there will be offered a program of music, dramatic readings, and addresses by some of the best talent the State affords. Wednesday and Thursday evenings at 8:00 o'clock in the same building there will be programs consisting of music, and lectures by prominent speakers and leaders.

**Exhibits.**—Elaborate exhibits will be on display throughout the week.

The Domestic Art department will have an exhibit of basketry, evening gowns and other features on the third floor of the Home Economics Building, January 4th and 5th, from 5:00 to 6:00 o'clock.

The Domestic Science department will have an exhibit in the basement and on the first floor of the Home Economics building, January 4th and 5th, from 5:00 to 6:00 o'clock.

There will be a Pork Products Exhibit in connection with the Hog Producers School, Friday afternoon, 1:00 to 3:00 o'clock, in the Agricultural Building, Room 221.

A special educational exhibit is being arranged by the department of Dairy Husbandry, Dairy Building.

**Kindergarten and Nursery.**—The Y. W. C. A. girls have arranged for a kindergarten and nursery in Shepard Hall throughout Farmers' and Home-Makers' Week and will take care of children from one to ten years of age. The girls chosen for this work are especially adapted for story telling and games. The hours are 7:50 to 12:10 and from 1:00 to 5:10. A charge of ten cents per hour or twenty-five cents per half day is made for each child. Special rates will be given for the week or for two or more children.

**Musical Numbers** for daily conventions and for special lecture hours will be contributed through arrangements by Professor William Gaskins, Director of the School of Music.

**Convention Lectures.**—All lectures and demonstrations appearing in the various conventions or organization programs are open to everyone. It is urged therefore, that those programs be carefully studied.

**Special Days.**—The program has been so arranged that those who are able to come for only a day or two can derive the greatest possible benefit for the time expended. Certain work will be given emphasis on certain days, as indicated in the following outline:

**Tuesday.**—Northwest Grain Growers' Convention, Convention of Nut Growers', Seed and Potato Growers' Convention, Convention of Organized Farmers, Convention of Ministers and Religious Workers, Home-Makers' Congress, Parent-Teachers' Convention, Home Economics Teachers' Convention, Cow-Testing Association Convention, Drainage Convention.

**Wednesday.**—Convention of Nut Growers, Wheat Show, Rural Legislative Conference, Oregon Jersey Breeders' Convention, Oregon Guernsey Breeders' Convention, Oregon Holstein Association Convention, Convention of Ministers and Religious Workers, Thrift Convention and Meeting of Division II of the State Bankers' Association, County Fair Officials' Conference, Home-Makers' Congress, Parent-Teachers' Convention, Home Economics Teachers' Convention, Cow-Testing Association Convention, Drainage Convention.

**Thursday.**—Northwest Grain Growers' Convention, Fruit Convention, Wheat Show, Oregon Dairymen's Association Meeting, Convention of Ministers and Religious Workers, Home-Makers' Congress, Parent-Teachers' Convention, Home Economics Teachers' Convention, Road-Builders' Convention, Drainage Convention.

**Friday.**—Northwest Grain-Growers' Convention, Fruit Convention, Wheat Show, Lime Convention, Convention of Ministers and Religious Workers, County Agent Council Convention, County School Superintendents and Rural Supervisors Convention, Home-Makers' Congress, Parent-Teachers' Convention, Home Economics Teachers' Convention, Road-Builders' Convention.

**Saturday.**—Marketing Convention, County School Superintendents and Rural Supervisors Convention, Home-Makers' Congress, Parent-Teachers' Convention, Home Economics Teachers' Convention, Road-Builders' Convention.

If unable to attend yourself, you may help your neighbor by putting this bulletin in his hands.

**College Products Banquet.**—A banquet at which products of College farm, orchard, greenhouse and dairy will be served, Friday evening. A fee of \$1.00 to cover actual cost of banquet will be charged. 6:30 P. M., at Waldo Hall.

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## WINTER SHORT COURSE.

The twentieth annual Winter Short Course, January 8th to February 2nd, will comprise a series of about ten regular courses leading to a certificate, and a large number of special lectures and demonstrations for the information and entertainment of Short Course students.

Fees are nominal; ask for program.

**FARMERS' AND HOME-MAKERS' WEEK**  
**(INCLUDING CONVENTION AND CONFERENCE)**  
**LECTURES AND PROGRAMS.**

**Part I.**

Part I contains all lecture subjects and demonstrations offered during the week including Conference and Convention Programs. Conference and Convention programs are open to all.

**Tuesday, January 2, 1917.**

**Beginning at 8:00.**

Training for Club leadership in Home Economics, Mrs. Helen B. Brooks, Ava B. Milam, Anna M. Turley, O. A. C. (One hour), Home Econ. 113.

**Beginning at 9:00.**

Furniture for the out-door living room, A. L. Peck, O. A. C. (30 min), Home Econ. 8.

Commercial fertilizers on Oregon soils, H. D. Scudder, O. A. C. (One hour), Agri. 101.

Land Title Registration; The Amendment of the Oregon Law, C. E. Spence, Master State Grange. Discussion led by Prof. Young, University of Oregon. (One hour), Agri. 310.

**Beginning at 9:30.**

Requisites for successful home vegetable gardening, A. G. Bouquet, O. A. C. (30 min.), Home Econ. 8.

**Beginning at 10:00.**

The State Department of Markets, W. G. Sholtz, Idaho, (Tentative). Discussion led by C. E. Spence, Master State Grange; W. W. Harrah, Hector Macpherson, O. A. C. (One hour). Agri. 310.

Seed and Potato Growers' Conference. Agri. 203.

Informal meeting of seed and potato growers, (30 min).

Farm seed growing as a business, G. R. Hyslop, O. A. C. (30 min).

Meaning of infancy and its special needs, Miss Alice Ravenhill, British Columbia. (One hour) Home Econ. 8.

Use of concrete on the farm (Illustrated), W. J. Gilmore, O. A. C. (One hour). Agri. 101.

**11:00 - 12:00.**

Growing and marketing potatoes, Two leading potato growers of Oregon. (One hour). Agri. 203.

Address—Carle Abrams, Member State Industrial Accident Commission. Women's Gym.

**Beginning at 1:00.**

Cutting and curing hay, J. E. Larson, O. A. C. (30 min). Dairy 300.

Seed and Potato Growers' Convention. Agri. 203.

Potato diseases and their control, (Illustrated), M. B. McKay, O. A. C. (One hour).

Inspection of the new hog barn (Two hours). Assemble at Pavilion.

Home Makers Congress. (Two hours). Home Econ. 8.

Canning demonstration, Helen Cowgill, O. A. C.

Use of canned vegetables in the home, Sarah L. Lewis, O. A. C.

**Tuesday, January 2, 1917.**

**Beginning at 1:30.**

Some experiments in summer pruning of English Walnuts, Knight Percy, Salem. (30 min). Hort. 329.

Commercial aspect of cheaper lime for the farmers, Walter Kline, President Corvallis Commercial Club. Agri. 310.

**Beginning at 2:00.**

Convention Oregon Drainage Association. Complete program page 24. Hort. 326

Convention Official Testers. Dairy Division. Detail program page 35. Hort. 229

The certification of seed potatoes, H. P. Barss, O. A. C. (One hour). Agri. 203

Agricultural lime. Report of Committee, Sam H. Moore. Discussion led by J. M. Connor, R. Robinson, J. L. Smith. (One hour). Agri. 310.

The grading and marketing of English Walnuts, J. B. Neff, Anaheim, Cal. (One hour). Hort. 329.

The necessity of bookkeeping for the farmer, E. B. Lemon, O. A. C. Agri. 306.

**Beginning at 3:00.**

Convention Official Testers. Dairy Division. Complete program page 35. Hort. 229.

Judging demonstration, dairy cattle, D. C. Howard, O. A. C. (One hour). Pavilion.

What the State Land Board proposes to do with the Rural Credits Amendment, Thomas Kay, State Treasurer. (One hour). Agri. 310.

Feeding demonstration, E. B. Fitts, O. A. C. (One hour). Dairy 300.

Babcock testing demonstration, O. G. Simpson and P. S. Lucas, O. A. C. (One hour). Dairy Laboratory.

How many hogs can Oregon profitably produce? E. L. Potter, O. A. C. (One hour). Women's Gym.

Farm practice in the Willamette Valley with special reference to clover production (Illustrated), Byron Hunter, Agriculturist, Office of Farm Management, U. S. Department of Agriculture, Walla Walla, Wash. (One hour). Agri. 203.

Cooperation between school and home, Supt. J. A. Churchill, State Department of Education. (30 min). Home Econ. 8.

Filberts on river bottom soil in the Willamette Valley, George Dorris, Springfield. (30 min). Hort. 329.

Convention Oregon Drainage Association, Complete program page 25. Hort. 326

**Beginning at 3:30.**

The work of the Western Walnut Association, J. C. Cooper, President, McMinnville. (30 min). Hort. 329.

The power of influence, Mrs. Mary E. Fawcett, O. A. C. (30 min). Home Econ. 8

**Beginning at 4:00.**

Convention Official Testers, Dairy Division, detailed program page 36. Hort. 229

Hill selection and other methods of improving farm seed, J. E. Larson, O. A. C. (30 min). Agri. 203.

Rural church conference. Agri. 224.

What constructive program can this conference follow out during 1917? Rev. L. Myron Boozer, Grants Pass.

**Tuesday, January 2, 1917.**

The relation of the Oregon Agricultural College to the rural church,  
E. D. Ressler, O. A. C.

Convention Oregon Drainage Association. Complete program page 25. Agri. 137

Rural Credits Legislation, safeguarding the State system, J. A. Brown, President Farmers' Union. Discussion led by B. G. Leedy and F. A. Sikes, Corvallis. (One hour). Agri. 310.

The art of right living, Miss Alice Ravenhill, British Columbia. (One hour). Home Econ. 8.

Ten-year test of filbert varieties in the Oregon Agricultural Experimental orchards, V. R. Gardner, O. A. C. (One hour). Hort. 329.

The influence of breeding hogs for profit, G. R. Samson, O. A. C. (One hour). Women's Gym.

Moving pictures, dairy subjects, in charge of O. G. Simpson and P. S. Lucas. O. A. C. (One hour). Dairy 300.

Stock poisoning plants of Oregon, W. E. Lawrence, O.A.C. (One hour) Agri. 138

**Beginning at 4:30.**

Marketing of improved seed, S. B. Hall, County Agent, Multnomah County. Discussion led by G. L. Hurd, O. A. C. (30 min). Agri. 203.

**Beginning at 5:00.**

Seed standards and seed organizations, N. S. Robb, Lane County Agriculturist. (30 min). Agri. 203.

**Beginning at 7:45.**

Oregon Drainage Association Convention. Hort. 326.  
Construction of the Tillamook Drainage District, Burr Beals, Tillamook  
Relation of drainage to irrigation, J. W. Brewer, President Oregon  
Irrigation Congress.

Design of an outlet system, T. A. H. Teeter, O. A. C.

Location and construction of field drains, J. E. Larson, O. A. C.

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**Wednesday, January 3, 1917.**

**Beginning at 8:00.**

Potato tuber moth and other insect pests, A. L. Lovett, O. A. C. (One hour) Agri. 203.

Training for Club leadership in Home Economics, Mrs. Helen B. Brooks, Ava B. Milam, Anna M. Turley, O. A. C. (One hour). Home Econ. 113.

Common law of drainage, Percy Cupper, Salem. (30 min). Hort. 326.

Judging breeding hogs, Thomas Brunk. (Two hours). Pavilion.

**Beginning at 8:30.**

Material for drains in Oregon, Ira Williams, O. A. C. (30 min). Hort. 326.

President's address, Oregon Holstein Cattle Club, J. Luscher, Fairview. Dairy 300.

**Beginning at 9:00.**

Convention Official Testers, Dairy Div. detailed program page 36. Hort. 229

The filbert bud mite and other insects, A. L. Lovett, O. A. C. (30 min). Hort. 329



**Wednesday, January 3, 1917.**

The advantage of a seven-day test, vs. the yearly test, from the standpoint of the small breeder, Thos. Carmichael, Gaston (30 min). Dairy 300.

Drainage problems in Klamath basin, Judge Baldwin, Klamath Falls. (30 min). Hort. 326.

Cultural methods suited to the great wheat belt, D. E. Stephens, Supt. Eastern Oregon Dry Farming Branch Station, Moro. (One hour). Agri. 203.

Household pests, A. L. Lovett, O. A. C. (30 min). Home Econ. 8.

Poultry house construction, C. C. Lamb, O. A. C. (One hour). Agri. 310.

Some undeveloped opportunities in vegetable production for the city market, A. G. Bouquet, O. A. C. (One hour). Hort. 138.

Land clearing with special reference to the char-pitting method (Illustrated), H. D. Scudder, O. A. C. (One hour). Agri. 101.

**Beginning at 9:30.**

Record keeping of English Walnut trees, T. A. Harper, Dundee. (30 min). Hort. 329.

Which is the more profitable, the ten months' test, or the twelve months' test? from the standpoint of the Holstein breeder, W. K. Newell, Seghers. (30 min). Dairy 300.

Address by the President Oregon Jersey Cattle Club, H. Thiesson, Milwaukee. (30 min). Dairy 308.

Drainage of marsh land in Central Oregon, Wm. Hanley, Director of Central Oregon Section. (30 min). Hort. 326.

Diseases of children, T. D. Beckwith, O. A. C. (30 min). Home Econ. 8.

**Beginning at 10:00.**

Convention Official Testers, Dairy Div. Complete program page 36. Hort. 229  
The amateur nut grower, Chas. H. Chapman, Portland. (30 min). Hort. 329

Varieties of wheat suited to the Inland Empire and Western Oregon, G. R. Hyslop, O. A. C. Agri. 203.

Some facts about the A. J. C. C. and its future, J. M. Dickson, Shedd. (One hour). Dairy 308.

Commercial aspects of drainage, W. B. D. Dodson, Portland Chamber of Commerce. (30 min). Hort. 326.

Rations for sows and pigs, G. R. Samson, O. A. C. (One hour). Women's Gym.

Early childhood; its significance and development, Miss Alice Ravenhill. (One hour). Home Econ. 8.

Experience of two successful Oregon poultrymen, W. M. Wise and C. M. Wilcox. (One hour). Agri. 310.

**Beginning at 10:30.**

Diseases of the filbert and walnut, H. P. Barss, O. A. C. Hort. 329.

Business meeting of Group II State Bankers' Association. (30 min). Agri. 302.

Drainage and the State, James Withycombe, Governor of Oregon. (30 min). Hort. 326.

**11:00 - 12:00.**

General Assembly—Colonization methods for the Northwest, Prof. Elwood Mead, University of California. Women's Gym.

Wednesday, January 3, 1917.

Beginning at 1:00.

Convention Official Testers, Dairy Division, detailed program page 36. Hort. 229

County Fair Officials Conference. (30 min). Hort. 137.

Opening address, County Fair Official Conference, J. A. Churchill, President.

Should the Juvenile fair correspond more closely in its classification and arrangement to the fair of the adults? L. F. Harrington, Salem. Discussion, H. C. Seymour, Clyde T. Bonney, N. C. Maris and others.

Color in dress, Cora Platt, O. A. C. (30 min). Home Econ. 8.

Meeting of the Oregon Swine Breeder's Association, Thomas Brunk, President, G. O. Swales, Secretary. (3 hours). Women's Gym.

Work of the Experiment Station in drainage, A. B. Cordley, O. A. C. (30 min). Hort. 326.

Some early Oregon Jersey history, Thos. Withycombe, Portland. (30 min). Dairy 308.

The workings of the National Holstein Friesian Association, Wm. Bishop, Chimacum, Wash. (One hour). Dairy 300.

Object and plan of the Thrift Convention, J. A. Bexell, O. A. C. (30 min). Hort. 140.

Threshing methods for the Inland Empire, Speaker to be assigned. (30 min). Agri. 203.

Beginning at 1:30.

Some experiments in propagating filberts, Knight Percy, Salem. (30 min). Hort. 329.

Consumer's League, Mrs. W. E. Ogburn. (30 min). Home Econ. 8.

Assessments for drainage districts, W. G. Sloan, U. S. Drainage Engineer, Boise. Discussion, C. W. Mallet, Ontario. (30 min). Hort. 326.

The future of the Oregon Jersey, R. L. Burkhart, Albany. (30 min). Dairy 308

Thrift in relation to the school, C. T. Bonney, Wasco County. (30 min). Hort. 140.

How the thresherman may improve the market quality of grain, Fred Weise, Condon. (30 min). Agri. 203.

Beginning at 2:00.

Convention Official Testers, Dairy Division, detailed program page 36. Hort. 229

Home-Makers' Congress. (One hour). Home Econ. 8.

Womans' place in the community, Mrs. Chas. H. Castner, Hood River.

Parent and teacher, Mrs. Geo. McMath, Portland.

Essentials in education, Mrs. Aristene Felts, Portland.

County Fair Officials Conference. (One hour). Hort. 137.

Grouping fair exhibits, its effect on (1) the public, (2) the exhibitor, (3) the judge. A. G. Bouquet, O. A. C.

Discussion, H. C. Stephens, George and D. M. Lowe, Ashland.

Drainage investments, John Keating, President Lumber & Trust Company, Portland. (30 min). Hort. 326.

Wednesday, January 3, 1917.

- Profits in grain farming according to tenure (Illustrated), Byron Hunter, Agriculturist Office of Farm Management, U. S. Department of Agriculture, Walla Walla, Washington. (One hour). Hort. 203.
- President's address, A. L. Gile, Oregon Guernsey Cattle Club. (30 min). Agri. 100.
- What organized farmers are accomplishing in California, Professor Elwood Mead, University of California. (One hour). Agri. 310.
- Thrift in relation to community and national development, Wilfrid D. Jones, Vice-President Northwestern National Bank, Portland. (30 min). Hort. 140.
- What the Jersey has done for Polk County she will do for your community, Mrs. F. Lynn, Perrydale. (30 min). Dairy 308.
- Breeds of fowls and breeding for eggs, James Dryden, O. A. C. (One hour). Agri. 224.
- Responsibilities of the seller and the buyer in the auction ring, J. W. Hughes, Dilley. (One hour). Dairy 300.

Beginning at 2:30.

- Propagation and top-working of English walnuts, J. B. Neff, Anaheim, California. (30 min). Hort. 329.
- Relation of topography to run-off and drainage capacity, F. F. Hinshaw, District Engineer, U. S. Gov. Survey. (30 min). Hort. 326.
- Address by Guernsey Cattle Club representative. (One hour). Agri. 100.
- The psychology of thrift, J. F. Brumbaugh, O. A. C. (30 min). Hort. 140.
- Line breeding; does the record show we should? (Dairy Division). Cummings Dickson, Shedd. (30 min). Dairy 308.

Beginning at 3:00.

- Thrift in relation to the home, Miss Alice Ravenhill, British Columbia. (30 min). Hort. 140.
- Convention Official Testers, Dairy Div. Complete program page 36. Hort. 229
- My experience in grafting late walnut trees, Chas. L. McNary, Salem. (30 min). Hort. 329.
- Growing forage crops for swine, G. R. Hyslop, O. A. C. (One hour). Women's Gym.
- Drainage of irrigated lands, Professor Elwood Mead, University of California. (One hour). Hort. 326.
- Cereal diseases and their treatment with especial reference to smut, H. P. Barss, O. A. C. (One hour). Agri. 203.
- Why we need the Show Ring in the breeding of Jerseys, Clifford Reid, Portland. (30 min). Dairy 308.
- Address, Holstein representative, E. C. Schroeder, Moorehead, Minn. (One hour). Dairy 300.
- The next step in rural organization, C. E. Spence and J. D. Brown. Discussion led by W. K. Peery, Owen A. MacGill, C. J. Hurd. (One hour). Agri. 310.
- Demonstration in judging dairy cattle, D. C. Howard, O. A. C. (One hour). Pavillion.

Wednesday, January 3, 1917.

- Farm butter making, O. G. Simpson, O. A. C. (30 min). Dairy 205.  
Feeding demonstration, E. B. Fitts, O. A. C. (One hour). Agri. 101.  
County Fair Officials Conference. (One and a half hours). Hort. 137.  
Improvements suggested in our present methods of classification, W. S. Brown, O. A. C. Hort. 137.  
Care and marketing of eggs, C. C. Lamb, O. A. C. (One hour). Agri. 324.

Beginning at 3:30.

- The Boys' Pig Clubs of Oregon, L. J. Allen, O. A. C. (30 min). Hort. 140.  
Household accounts and budgets, E. B. Lemon, O. A. C. (30 min). Home Econ. 8.  
Prominent Guernsey families, Mrs. Hughes, Oregon City. (30 min). Agri. 100.  
Some problems before the Northwest nut producers, C. I. Lewis, O. A. C. (30 min). Hort. 329.  
Why official testing pays, D. Brooks Hogan, Oswego. (30 min). Dairy 308.  
Cottage cheese making, P. S. Lucas, O. A. C. (30 min). Dairy 205.

Beginning at 4:00.

- The art of right poise, Miss Alice Ravenhill, British Columbia. (One hour). Home Econ. 8.  
Convention Official Testers, Dairy Div. Complete program page 36. Hort. 229  
Rural church conference. Agri. 224.  
The rural ministry as a life investment, J. C. Brumbaugh, O. A. C.  
General round table and discussion of questions concerning walnut and filbert production. Nut Convention. (One hour). Hort. 329.  
Supply, demand, and the hog market, E. L. Potter, O. A. C. (One hour). Women's Gym.  
Drainage investigations in Oregon, W. L. Powers, O. A. C. (One hour). Hort. 326.  
"Feed Feeding", Official Tester of Marion County, K. Hanneman. (30 min). Dairy 308.  
Feeding the Guernsey cow in the Willamette Valley, C. L. Hawley. (30 min). Agri. 100.  
The School Savings Bank, E. D. Ressler, O. A. C. (30 min). Hort. 140.  
Grange and Farmers Union Conference and meeting of Oregon Farmers League. (One hour). Agri. 310.  
Smut explosions and their prevention, I. B. Charlton, Professor of Agricultural Engineering, Western Washington Experiment Station, Puyallup, Washington. (30 min). Agri. 203.  
Farm Management—Why farming does or does not pay, (Illustrated). (One hour). H. D. Scudder, O. A. C.. Agri. 101.

Beginning at 4:30.

- Raising the Guernsey calf, W. A. Goodin, Cornelius. (30 min). Agri. 100.  
Fighting the Hessian Fly and Wire Worm, A. L. Lovett, O. A. C. (30 min). Agri. 203.

Wednesday, January 3, 1917.

Beginning at 5:00.

The future of the wheat industry, G. R. Hyslop, O. A. C. (30 min). Agri. 203.  
Problems of the Guernsey breeder. Discussion led by J. T. Whalley, Portland.  
(One hour). Agri. 100.

8:00 P. M.

Recitation and Entertainment. Women's Gym.

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Thursday, January 4, 1917.

Beginning at 8:00.

Fertility in wet Oregon soils, C. V. Ruzek, O. A. C. (30 min). Hort. 326.  
Judging breeding classes, Thomas Brunk. (One hour). Pavilion.  
Training for Club leadership in Home Economics, Mrs. Helen B. Brooks, Ava  
B. Milam, Anna M. Turley, O. A. C. (One hour). Home Econ. 113.

Beginning at 8:30.

Drainage of overflow lands on the Columbia, R. B. Magruder, Clatskanie. (30  
min). Discussion, Mr. Brown, Clifton. Hort. 326.

Beginning at 9:00.

Some phases of growing a 750,000 pound prune crop, Dr. L. D. Scarborough,  
Creswell. (30 min). Hort. 329.

Women in Politics, Mrs. Alexander Thompson. (30 min). Home Econ. 8.

Grain Growers' Convention. (One hour). Agri. 203.

A survey of the grain handling movement, W. J. Kerr, O. A. C.

Grain grades and grain standardization for the Northwest, M. Yoder,  
in charge grain standardization laboratory, U. S. Dept. of Agri-  
culture, Portland.

Grain grades and their results in the State of Washington, R. D.  
Jarboe, Chief Grain Inspector, Tacoma, Washington.

State and Government aid in reclamation development, Professor Elwood Mead,  
University of California. (One hour). Hort. 326.

Feeding for eggs, A. C. McCullough, O. A. C. (One hour). Agri. 310.

Land clearing—A valuable new method of stump burning (Illustrated), H. D.  
Scudder, O. A. C. Agri. 101.

Beginning at 9:30.

Fertilizers for the prune orchard, Lloyd T. Reynolds, Salem. (30 min). Hort. 329

Religious education in the home, Miss Elizabeth F. Fox. (30 min). Home  
Econ. 8.

Annual address, Oregon Dairymen's Association, President W. K. Newell. (30  
min). Dairy 300.

Beginning at 10:00.

Grain Growers' Convention. (One hour). Agri. 203.

Grades as related to the Millers' requirements, D. A. Patullo, Manager  
Crown Mills, Portland. Additional speakers to be selected from  
mill specializing on Red Turkey.

Thursday, January 4, 1917.

Address (Oregon Dairymen's Association), E. C. Schroeder, Moorhead, Minn. (One hour). Dairy 300.

Rations for weanlings and shoters, G. R. Samson, O. A. C. (One hour). Women's Gym.

Phases of growth with special reference to school life, Miss Alice Ravenhill, British Columbia. (One hour). Home Econ. 8.

Practical results of drainage, A. M. Bolton, Brooks. (30 min). Hort. 326.

Results of three year's fertilizer tests with prunes, A. F. Barss, O. A. C. (30 min). Hort. 329.

The poultry industry in Petaluma, California, H. A. George, Petaluma California. (One hour). Agri. 310.

The chief factors involved in profitable farming, H. D. Scudder, O. A. C. Agri. 101.

**Beginning at 10:30.**

County reports on drainage, by Oregon County Agriculturists. (30 min). Hort. 326.

Growing crops in the young orchard, Gideon Stoltz, Salem. (30 min). Hort. 329

**11:00 - 12:00.**

General Assembly.—Speaker to be announced. Women's Gym.

**Beginning at 1:00.**

Live Stock Management Demonstration, E. L. Potter and O. M. Nelson, O. A. C. (Two hours). Pavilion.

Grain grades from the Exporters' point of view, N. A. Leach, Manager Grain and Warehouse Dept., Kerr-Gifford & Co., Portland. (30 min). Agri 203

Feeds and Feeding, E. V. Ellington, U. S. Dept. of Agriculture. (One hour). Dairy 300.

Home-Makers' Congress. (Two hours). Home Econ. 8.

Making of dietaries, A. Grace Johnson, O. A. C.

Table Service, Anna M. Turley, O. A. C.

**Beginning at 1:30.**

The prune borer, A. L. Lovett, O. A. C. (30 min). Hort. 329.

Experience of the Farmers' Union in grain marketing, J. D. Brown, President, Farmers' Union of Oregon-South Idaho, Portland. (30 min). Agri. 203

**Beginning at 2:00.**

A big prune crop every year (manure and tillage), L. F. Russell, Washougal, Wash. (One hour). Hort. 329.

The commercial aspect of bulk handling, W. D. B. Dodson, Executive Secretary Portland Chamber of Commerce. (One hour). Agri. 203.

Factors making for success in dairy farming, D. H. Otis, Department of Farm Management, University of Wisconsin. (One hour). Dairy 300.

Inspection of drainage system on College Farm. (1 hour). Assemble Hort. 326.

The earth road, G. V. Skelton, O. A. C. (One hour). Hort. 140.

Reading in the home, Mrs. Ida A. Kidder, O. A. C. (30 min). Home Econ. 8

Preparing and marketing poultry, A. C. McCullough, O. A. C. (One hour). Agri. 310.

Thursday, January 4, 1917.

Beginning at 2:30.

Property rights for women, E. E. Wilson, Attorney, Corvallis. (30 min). Home Econ. 8.

Beginning at 3:00.

A "Get Acquainted" intermission in Prune Convention. (30 min). Hort. 329.

Cooperative shipping of hogs, E. B. Fitts, O. A. C. (One hour). Women's Gym.

The responsibilities and opportunities of the County Judges and Commissioners of Oregon in the road development of the State, Hon. Rufus C. Holman, Commissioner of Multnomah County. (One hour). Hort. 130.

Recent Steps in Dairy Organization, E. T. Reed, O. A. C. Discussion. (One hour). Dairy 300.

Handling and storing of grain on the farm, John G. Lawrence, Garfield, Washington. Discussion led by R. O. Earnhart, Pendleton. (One hour). Agri. 203.

Selecting the layer, James Dryden, O. A. C. (One hour). Agri. 310.

The chief soil types of Oregon; their composition and management, H. D. Scudder, O. A. C. (One hour). Agri. 101.

Beginning at 3:30.

Conformity with demands of the grain markets, W. W. Harrah, Pendleton. (One hour). Agri. 203.

Pruning the prune, V. R. Gardner, O. A. C. (One hour). Hort. 329.

Beginning at 4:00.

The art of right clothing, Miss Alice Ravenhill, British Columbia. (One hour). Home Econ. 8.

Rural church conference. Agri. 224.

A modern church for the modern farmer, Hector Macpherson, O. A. C. Alfalfa and cheaper pork, Robert Withycombe, O. A. C. Eastern Oregon Station. (One hour). Women's Gym.

Good Roads Convention. (One hour). Hort. 140.

Illustrated road talk, Hon. John H. Lewis, State Engineer of Oregon. Types of hard surfaced roads; S. H. Graf, O. A. C.

The Wisconsin System of certified farms, D. H. Otis, University of Wisconsin. (One hour). Agri. 101.

Factors in successful greenhouse management, A. G. Bouquet, O. A. C. (One hour). Agri. 137.

Beginning at 4:30.

Brown rot in prunes, H. P. Barss, O. A. C. (30 min). Hort. 329.

Grain Growers' Convention. (One hour). Agri. 203.

Bulk handling of grain at interior points, A. C. Whisler, Manager Union Warehouse Company, Garfield, Washington.

Grain handling in the Grand Ronde Valley, Hon. Edward E. Kiddle, LaGrande.

The farmers' elevator, Chas. G. Smith, Manager Farmers' Elevator Company, Condon.

Discussion led by John Lorang, Genessee, Idaho.

8:00 P. M.

Special Entertainment, Women's Gym.

Friday, January 5, 1917.

Beginning at 8:00.

Agricultural Lime Convention. Agri. 101.

The agricultural lime situation in Oregon and the need and use of lime on the farm, H. D. Scudder, O. A. C.

How the Experiment Station can forward the lime movement, A. B. Cordley, O. A. C.

Northwest Grain Growers' Convention. Agri. 203.

The railroad's attitude toward bulk handling, Representative of S. P. & S. Railway. (30 min).

Grain handling on the Southern Pacific lines, H. A. Hinshaw, General Freight Agent, Southern Pacific Lines.

Judging market classes, A. R. Bohasky. (Two hours). Pavilion.

Combating sterility and abortion, Demonstration, B. T. Simms, O. A. C. (Three hours). Pavilion.

Training for Club leadership in Home Economics, Mrs. Helen B. Brooks, Ava B. Milam, Anna M. Turley, O. A. C. (One hour). Home Econ. 113.

Beginning at 8:30.

Railroad ability to care for bulk shipments and how cars should be prepared by shipper, Frank Robinson, General Traffic Manager, O. W. R. & N. Company, Portland. (30 min). Agri. 203.

Pipe culvert types. A general discussion led by C. N. McCullough, O. A. C. (30 min). Hort. 140.

Beginning at 9:00.

County Agricultural Council Convention. Complete program page 47. Agri. 100

Art in the home, Grace Gillett, O. A. C. (One hour). Home Econ. 8.

Construction and maintenance of gravel roads, G. V. Skelton, O. A. C. (One hour). Hort. 140.

Selection, care and repair of farm gas engines, (Illustrated by slides), W. J. Gilmore, O. A. C. (One hour). Agri. 302.

Agricultural Lime Convention. Agri. 101.

Lime deposits in Oregon and the cost of a ground-limestone plant, H. M. Parks, O. A. C.

The advantages of a State operated lime plant, S. H. Moore, Chairman Lime Committee.

What the farmers think about the lime question, J. M. Dickson, Shedd.

Building an evaporator, George Zimmerman, North Yamhill. (30 min). Hort. 329.

Bulk handling at terminals, G. B. McLeod, President of the Port of Astoria, Astoria. (30 min). Agri. 203.

The most important lesson learned from experience in developing a specialized poultry ranch, H. H. Hart. Agri. 310.

Beginning at 9:30.

Some fundamental principles of prune evaporation, T. A. Harper, Dundee. (30 min). Hort 329.

Bulk handling of grain in Washington, Robert Bridges, President, Port of Seattle. 30 min). Agri. 203.



Friday, January 5, 1917.

Beginning at 10:00.

- Rations for fattening pigs, G. R. Samson, O. A. C. (One hour). Women's Gym.  
Some new lights on habit formation during childhood, Miss Alice Ravenhill,  
British Columbia. (One hour). Home Econ. 8.  
Classification of road mileage, Charles E. Spence, Master State Grange. (30  
min). Hort. 140.  
Our relationship, County Agricultural Council Convention, R. D. Hetzel, O. A.  
C. (One hour). Dairy 308.  
Our relationship to the College, (County Superintendents and Supervisors Con-  
ference). Supt. J. G. Sturgill, Supt. O. C. Brown, Supervisor Jennie  
Bossen, Supervisor F. R. Peterson. (One hour). Dairy 308.  
Inspection and operation of gas machines, W. J. Gilmore, O. A. C. (One hour).  
Farm Mechanics' Building.  
Grain Growers' Convention. (One hour). Agri. 203.  
Terminal marketing as viewed by the wheat buyer and exporter, M.  
H. Houser, Grain Exporter, Portland.  
Ocean transportation development in the Columbia River, E. W.  
Wright, Manager Port of Portland.  
Agricultural Lime Convention. (One hour). Agri. 101.  
Agricultural lime in Western Washington, W. A. Linklater, Supt.  
Western Washington Experiment Station.  
Proposed legislation for cheaper lime, Hector Macpherson, O. A. C.  
Evaporating the prune, G. A. Dearborn, Dundee. (30 min). Hort. 329.  
Methods of housing and feeding poultry in Petaluma, California, H. A. George,  
Petaluma, California. (One hour). Agri. 310.

Beginning at 10:30.

- Address (Prune Convention) A. H. Harris, Portland. (30 min). Hort. 329.  
County Agricultural Council Convention. Complete program page 47. Agri. 100  
Repairing and resurfacing gravel roads, J. W. Finn, Road Master, Polk County.  
(30 min). Hort. 140.

11:00 - 12:00.

General Assembly.—Speaker to be announced. Women's Gym.

Beginning at 1:00.

- Housewifery, Laura Cheney, O. A. C. (One hour). Home Econ. 8.  
Pork products exhibit. (Two hours). Agri. 221.  
Progress of bulk handling movement to date, E. E. Faville, Editor Western  
Farmer. (30 min). Agri. 203.  
County Agricultural Council Convention. Complete program page 47. Agri. 100

Beginning at 1:30.

- Road oiling and surface treatment, C. H. Beardsley. (30 min). Hort. 140.  
The standardization of the Italian prune, J. B. Brumfield, Salem. (30 min).  
Hort. 329.  
Relation of County Agents to County Superintendent and Supervisor, P. V.  
Maris, O. A. C., Supt. C. T. Bonney, Supt. Lincoln Savage, Supt. Chas.  
Oliver, Supt. Mrs. A. M. Ivanhoe. (One hour). Dairy 308.

**Friday, January 5, 1917.**

- Inspection and operation of farm engines and tractors, W. J. Gilmore, O. A. C. (Three hours). Farm Mechanics' Building.
- The Panama Canal and other new conditions affecting ocean transportation of grain, Alfred Tucker, of Meyer, Wilson & Co., Portland. (30 min). Agri. 203.

**Beginning at 2:00.**

- County Agricultural Council Convention. Complete program page 47. Agri. 100
- Markets, Mrs. Sarah A. Evans, Portland. (30 min). Home Econ. 8.
- Concrete drainage structures, C. B. McCullough, O. A. C. (One hour). Agri. 140.
- Turkey raising, Arda Edwards. (One hour). Agri. 310.
- Agricultural Lime Convention. (One hour). Agri. 101.
- How legislation for agricultural lime may be forwarded, C. E. Spence, Master State Grange.
- The Agricultural Press on the lime question, E. E. Faville, Editor Western Farmer.
- College aid in the movement for cheaper lime, W. J. Kerr, O. A. C.
- The farmer as a business manager, D. H. Otis, University of Wisconsin. (One hour). Dairy 300.
- The possibilities of expanding the European and foreign trade for Northwest products, H. S. Gile, Salem. (30 min). Hort. 329.
- The Columbia River as a world's grain port (Illustrated), G. B. Hegarat, Engineer-Secretary Commission of Public Docks, Portland. (30 min). Agri. 203.

**Beginning at 2:30.**

- National ideals in the home, Miss Marian B. Towne. (30 min). Home Econ. 8.
- Method of presenting and keeping the Club work before the boys and girls, Supt. R. E. Cannon, Supt. A. T. Armstrong, Supt. Miss Fay Clark, Supt. S. S. Duncan, Supt. W. M. Smith, Supt. J. E. Meyers, Supervisor Brenton Vedder, Field Agent, L. P. Harrington, Supt. B. W. Barnes. (One and a half hours). Dairy 308.
- The possibilities of extending the American market for dry products, Robert Paulus, Salem. (30 min). Hort. 329.
- Elevator organization, Hector Macpherson, O. A. C. (One hour). Agri. 203.

**Beginning at 3:00.**

- County Agricultural Council Convention. Complete program page 47. Agri. 100
- Conditions in the provision market, B. C. Darnell. (One hour). Women's Gym.
- The house from the back door, L. E. Robinson, O. A. C. (One hour). Home Econ. 313.
- Agricultural Lime Convention. (One hour). Agri. 101.
- The interest of the railroads in the lime question and what they can do to help, W. W. Cotton, Portland, Attorney Union Pacific.
- The Portland Chamber of Commerce and the lime question, W. D. B. Dodson, Executive Secretary Portland Chamber of Commerce.
- Demonstration in judging dairy cattle, D. C. Howard, O. A. C. (One hour). Pavilion.
- Feeding demonstration, E. B. Fitts, O. A. C. (One hour). Dairy 300.
- Seeding permanent pastures, J. E. Larson, O. A. C. (45 min). Agri. 229.

**Friday, January 5, 1917.**

Selection of bridge timber, J. P. VanOrsdel, O. A. C. (30 min). Hort. 140.  
"Get Acquainted" intermission, Prune Convention. Music. (30 min). Hort. 329.  
Incubation and brooding of chicks as practiced in Petaluma, Cal., H. A. George, Petaluma, California. (One hour). Agri 310.

**Beginning at 3:30.**

Drainage basins and waterway areas, S. M. P. Dolan, O. A. C. (30 min). Hort. 140.

Northwest Grain Growers' Convention. Agri. 203.

Construction of country elevators. Speakers to be selected.

Equipment of country elevators, J. J. Ross, President J. J. Ross Mill Manufacturing Co., Portland.

Some prune problems, C. I. Lewis, O. A. C. (30 min). Hort. 329.

**Beginning at 4:00.**

County Agricultural Council Convention. Complete program page 47. Agri. 100

Rural church conference. Agri. 224.

The art of right furnishing and decoration, Miss Alice Ravenhill, British Columbia. (One hour). Home Econ. 8.

The use of peas and bald barley, Robert Withycombe. (One hour). Women's Gym.

Boycraft, J. F. Brumbaugh, O. A. C. (One hour). Dairy 308.

Agricultural Lime Convention. (One hour). Agri. 101.

What private interests propose to do, C. W. Jones, Portland.

The need of lime from the bacteriologist's standpoint, T. D. Beckwith, O. A. C.

Simple field tests for soil acidity, C. V. Ruzek, O. A. C.

Silo construction (Illustrated), W. A. Barr, O. A. C. (30 min). Dairy 300.

**Beginning at 4:30.**

Illustrated lecture, dairy subjects. Moving pictures. In charge of O. G. Simpson and P. S. Lucas, O. A. C. Dairy 300.

**6:30 P. M.**

**College Products Banquet.**—A banquet at which products of College farm, orchard, greenhouse and dairy will be served, Friday evening. A fee of \$1.00 to cover actual cost of banquet will be charged. 6:30 P. M., at Waldo Hall.

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**Saturday, January 6, 1917.**

**Beginning at 8:00.**

Judging market classes, A. R. Bohasky. (Two hours). Pavilion.

Training for Club leadership in Home Economics, Mrs. Helen B. Brooks, Ava B. Milam, Anna M. Turley, O. A. C. (One hour). Home Econ. 113.

**Beginning at 8:30.**

Address (Fruit Marketing Convention) A. C. Allen, Medford. (30 min). Hort. 329.

Saturday, January 6, 1917.

Beginning at 9:00.

The Fruit Growers' Agency, Inc., Capt. Paul H. Weyrauch, Walla Walla, Wash. (30 min). Hort. 329.

Tendency in design of farm tractors, W. J. Gilmore, O. A. C. (One hour). Agri. 101.

The county unit of taxation, Supt. Fred Peterson, Supt. J. E. Calavan, Supt. I. E. Young, Supt. W. I. Reynolds. (One hour). Dairy 308.

The patrol system of maintenance of roads, C. H. McCullough, O. A. C. (30 min). Hort. 100.

Convention for Home Economics Teachers, Miss Lilian Tingle. (One hour). Home Econ. 113.

Crop rotations for Oregon soils, H. D. Scudder, O. A. C. (One hour). Agri. 203

Beginning at 9:30.

The engineer in road building, G. V. Skelton, O. A. C. (30 min). Hort. 140.

Local organization for fruit marketing, Hector Macpherson, O. A. C. (30 min). Hort. 329.

Beginning at 10:00.

Address (Fruit Marketing Convention), Dr. C. A. Macrum, Portland. (30 min). Hort. 329.

Inspection and operation of farm engines and tractors. (Two hours). Farm Mechanics Building.

The Summer School for boys and girls at the Oregon Agricultural College, E. D. Ressler, O. A. C., Asst. Supt. E. F. Carlton, N. C. Maris, State Dept. of Education. (One hour). Dairy 308.

Rations for breeding stock, G. R. Samson, O. A. C. (One hour). Women's Gym.

Phases of adolescence and how to deal with them, Miss Alice Ravenhill, British Columbia. (One hour). Home Econ. 8.

Important tillage methods for Western Oregon, C. V. Ruzek, O. A. C. (One hour). Agri. 101.

Beginning at 10:30.

The physical handling of fruit, C. I. Lewis, O. A. C. (30 min). Hort. 329.

11:00 - 12:00.

General Assembly.—Speaker to be announced. Women's Gym.

Beginning at 1:00.

Sanitary aspects of food supply of Oregon, J. D. Mickle, State Food and Dairy Commissioner. (One hour). Home Econ. 8.

Beginning at 1:30.

Address, Convention County School Superintendents and Supervisors, Supt. J. A. Churchill. (30 min). Dairy 308.

Inspection and operation of farm engines and tractors. (Three hours). Farm Mechanics Building.

Beginning at 2:00.

Home-Makers' Congress. (One hour). Home Econ. 8.

Notes from the firing line, Mrs. Millie Trumbull.

Immigrant aid, Mrs. Isaac Swett.

Motion Pictures, Mrs. G. J. Frankel.

**Saturday, January 6, 1917.**

The mole and gopher problem in Oregon, Theo. H. Scheffer, U. S. Bacteriological Survey, Washington, D. C. (One hour). Hort. 138.

Flax as a seed and fiber crop, G. R. Hyslop, O. A. C. (One hour). Agri. 203.

Humus, its importance in Oregon soils, C. V. Ruzek. (One hour). Agri. 101.

Poultry tuberculosis (Illustrated), T. D. Beckwith, O. A. C. (One hour). Agri. 229.

Making the most of the vegetable garden for the city and farm, A. G. Bouquet, O. A. C. (One hour). Hort. 137.

**Beginning at 3:00.**

Home-Makers' Congress. (One hour). Home Econ. 8.

The rural home, Mrs. Minnie Bond.

Some gleanings by the wayside, Mrs. M. H. Whitby.

Problems of the country woman, Mrs. Gertrude Blanchard.

The farm and the woman, Mrs. Orla Buxton.

Woman's legislative council, Mrs. C. W. Hayhurst.

The eradication of perennial weeds, as Canada thistle, J. E. Larson, O. A. C. (30 min). Agri. 101.

**Beginning at 3:30.**

Field beans as a seed crop, G. R. Hyslop, O. A. C. (30 min). Agri. 101.

**Beginning at 4:00.**

The relation of domestic art to social and civic life, Miss Alice Ravenhill, British Columbia. (One hour). Home Econ. 8.

The successful farmer; reorganizing the management plan, H. D. Scudder. (One hour). Agri. 101.

## Part II.

Detailed program for each Convention and Conference held during  
Farmers' and Home-Makers' Week.

### HOME MAKERS' CONGRESS AND INSTRUCTION IN HOME ECONOMICS

Home Economics Building, Room 8.

Tuesday, January 2, 1917.

8:00 - 9:00.

Training for club leadership in Home Economics, Mrs. Helen B. Brooks, Ava B. Miller, Anna M. Turley, O. A. C. Room 113.

9:00 - 9:30.

Furniture for the out-door living room, A. L. Peck, O. A. C.

9:30 - 10:00.

Requisites for successful home vegetable gardening, A. G. Bouquet, O. A. C.

10:00 - 11:00.

Meaning of infancy and its special needs, Miss Alice Ravenhill, British Columbia.

11:00 - 12:00.

General Assembly.

1:00 - 3:00.

Canning demonstration, Helen Cowgill, O. A. C.  
Use of canned vegetables in the home, Sarah L. Lewis, O. A. C.

3:00 - 3:30.

Cooperation between school and home, Supt. J. A. Churchill, State Department of Education.

3:30 - 4:00.

The power of influence, Mrs. Mary E. Fawcett, O. A. C.

4:00 - 5:00.

The art of right living, Miss Alice Ravenhill, British Columbia.

Wednesday, January 3, 1917.

8:00 - 9:00.

Training for club leadership in Home Economics, Mrs. Helen B. Brooks, Ava B. Milam, Anna M. Turley, O. A. C. Room 113.

9:00 - 9:30.

Household pests, A. L. Lovett, O. A. C.

9:30 - 10:00.

Diseases of children, T. D. Beckwith, O. A. C.

10:00 - 11:00.

Early childhood; its significance and development, Miss Alice Ravenhill, British Columbia.

Wednesday, January 3, 1917.

- 11:00 - 12:00.  
General Assembly.....Women s Gymnasium.
- 1:00 - 1:30.  
Color in dress, Cora Platt, O. A. C.
- 1:30 - 2:00.  
Consumers' League, Mrs. W. F. Ogburn.
- 2:00 - 3:00.  
Women's place in the community, Mrs. Chas. H. Castner.  
Parent and teacher, Mrs. George McMath.  
Essentials in education, Mrs. Aristene Felts.
- 3:00 - 3:30.  
Thrift in the home, Miss Alice Ravenhill, British Columbia, Agri. Room 140.
- 3:30 - 4:00.  
Household accounts and budgets, E. B. Lemon, O. A. C.
- 4:00 - 5:00.  
The art of right poise, Miss Alice Ravenhill, British Columbia.

Thursday, January 4, 1917.

- 8:00 - 9:00.  
Training for club leadership in Home Economics, Mrs. Helen B. Brooks, Ava B. Milam, Anna M. Turley, O. A. C. Room 113.
- 9:00 - 9:30.  
Women in politics, Mrs. Alexander Thompson.
- 9:30 - 10:00.  
Religious education in the home, Miss Elizabeth F. Fox.
- 10:00 - 11:00.  
Phases of growth, with special reference to school life, Miss Alice Ravenhill, British Columbia.
- 11:00 - 12:00.  
General Assembly.....Women's Gymnasium.

- 1:00 - 3:00.  
Making of dietaries, A Grace Johnson, O. A. C.  
Table Service, Anna M. Turley, O. A. C.
- 3:00 - 3:30.  
Reading in the home, Mrs. Ida A. Kidder, O. A. C.
- 3:30 - 4:00.  
Property rights for women, Attorney E. E. Wilson, Corvallis.
- 4:00 - 5:00.  
The art of right clothing, Miss Alice Ravenhill, British Columbia.

Friday, January 5, 1917.

- 8:00 - 9:00.  
Training for club leadership in Home Economics, Mrs. Helen B. Brooks, Ava B. Milam, Anna M. Turley, O. A. C. Room 113.

Friday, January 5, 1917.

- 9:00 - 10:00.  
Art in the home, Grace Gillett, O. A. C.
- 10:00 - 11:00.  
Some new lights on habit formation during childhood, Miss Alice Ravenhill, British Columbia.
- 11:00 - 12:00.  
General Assembly.....Women's Gymnasium.
- 1:00 - 2:00.  
Housewifery, Laura Cheney, O. A. C.
- 2:00 - 2:30.  
Markets, Mrs. Sarah A. Evans.
- 2:30 - 3:00.  
National ideals in the home, Miss Marian B. Towne.
- 3:00 - 4:00.  
The house from the back door, L. E. Robinson, O. A. C. Room 313.
- 4:00 - 5:00.  
The art of right furnishings and decoration, Miss Alice Ravenhill, British Columbia.

Saturday, January 6, 1917.

- 8:00 - 9:00.  
Training for club leadership in Home Economics, Mrs. Helen B. Brooks, Ava B. Milam, Anna M. Turley, O. A. C. Room 113.
- 9:00 - 10:00.  
Conference for Home Economics Teachers, Miss Lilian Tingle, Portland. Room 113.
- 10:00 - 11:00.  
Phases of adolescence and how to deal with them, Miss Alice Ravenhill, British Columbia.
- 11:00 - 12:00.  
General Assembly.....Women's Gymnasium.
- 1:00 - 2:00.  
Sanitary Aspects of Food Supply of Oregon, J. D. Mickle, State Food and Dairy Commissioner.
- 2:00 - 3:00.  
Notes from the firing line, Mrs. Millie Trumbull.  
Immigrant aid, Mrs. Isaac Swett.  
Motion Pictures, Mrs. J. G. Frankel.
- 3:00 - 4:00.  
The rural home, Mrs. Minnie Bond.  
Some gleanings by the wayside, Mrs. M. H. Whitby.  
Problems of the country woman Mrs. Gertrude Blanchard.  
The farm home and the woman, Mrs. Orla Buxton.  
Woman's Legislative Council, Mrs. C. W. Hayhurst.
- 4:00 - 5:00.  
The relation of domestic art to social and civic life, Miss Alice Ravenhill, British Columbia.



**CONFERENCE OF OREGON DRAINAGE ASSOCIATION.**

**Horticultural Building, Room 326.**

**Tuesday, January 2, 1917.**

2:00 - 5:00.

Opening session of Drainage Association.

Program of Drainage Development.

Announcements and Secretary's report.

Address of welcome, R. D. Hetzel, O. A. C.

Response by Wm. Egan, Gervais.

President's Annual address, L. N. Edwards, Monroe.

Reclamation development, C. C. Chapman, Portland.

Drainage the foundation of good roads, G. V. Skelton, O. A. C.

Appointment of committees.

7:30 - 7:45.

Meeting of Board of Directors. Agri. Room 202.

7:45 - 10:00.

Drainage Construction.

Construction of the Tillamook drainage district, Burr Beals, Tillamook

Relation of drainage to irrigation, J. W. Brewer, President Oregon  
Irrigation Congress.

Design of an outlet system, T. A. H. Teeter, O. A. C.

Location and construction of farm drains, J. E. Larson, O. A. C.

**Wednesday, January 3, 1917.**

Drainage Policy.

8:00 - 8:30.

Common law of drainage, Percy Cupper, Salem.

8:30 - 9:00.

Material for drains in Oregon, Ira Williams, O. A. C.

9:00 - 9:30.

Drainage problems in Klamath basin, Judge Baldwin, Klamath Falls.

9:30 - 10:00.

Drainage of marsh lands in Central Oregon, Wm. Hanley, Director of Central  
Oregon Section.

10:00 - 10:30.

Commercial aspects of drainage, W. B. D. Dodson.

10:30 - 11:00.

Drains and the State, James Withycombe, Governor of Oregon.

11:00 - 12:00.

General Assembly.—Colonization methods for the Northwest, Prof. Elwood  
Mead, University of California. Women's Gym.

1:00 - 1:30.

Drainage Procedure.

Work of the Experiment Station in drainage, A. B. Cordley, O. A. C.

Wednesday, January 3, 1917.

1:30 - 2:00.

Assessments for drainage districts, W. G. Sloan, U. S. Drainage Engineer,  
Boise.

Discussion, C. W. Mallet, Ontario.

2:00 - 2:30.

Drainage Investments, John Keating, President Lumber & Trust Co., Portland.

2:30 - 3:00.

Relation of topography to run-off and drainage capacity, F. F. Hinshaw, Dis-  
trict Engineer, U. S. Gen. Survey.

3:00 - 4:00.

Drainage of irrigated lands, Professor Elwood Mead, University of California.

4:00 - 4:30.

Drainage investigations in Oregon, W. L. Powers, O. A. C.

4:30 - 5:00.

Reports of Committees and election of officers.

Thursday, January 4, 1917.

8:00 - 8:30.

Fertility in wet Oregon soils, C. V. Ruzek, O. A. C.

8:30 - 9:00.

Drainage of overflow lands on the Columbia, R. B. Magruder, Clatskanie.  
Discussion Mr. Brown, Clifton.

9:00 - 10:00.

State and Government aid in reclamation development, Professor Elwood Mead.

10:00 - 10:30.

Practical results of drainage, A. M. Bolton, Brooks.

10:30 - 11:00.

County reports on drainage, by Oregon County Agriculturists.

11:00 - 12:00.

General Assembly.....Women's Gymnasium.

2:00 P. M.

Inspection of drainage system on College Farm, J. E. Larson, O. A. C., in  
charge.

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NUT CONVENTION.

January 2 and 3, 1917.

Horticultural Building, Room 329.

Tuesday, January 2, 1917.

1:30 - 2:00.

Some experiments in summer pruning of English Walnuts, Knight Percy,  
Salem.

2:00 - 3:00.

The grading and marketing of English Walnuts, J. B. Neff, Anaheim, California

**Tuesday, January 2, 1917.**

3:00 - 3:30.

Filberts on river bottom soils in the Willamette Valley, Geo. Dorris Springfield.

3:30 - 4:00.

The work of the Western Walnut Association, J. C. Cooper, Pres., McMinnville.

4:00 - 5:00.

Ten-year test of filbert varieties in the Oregon Agricultural Experiment Orchard, V. R. Gardner, O. A. C.

**Wednesday, January 3, 1917.**

9:00 - 9:30.

The filbert bud mite and other insects, A. L. Lovett, O. A. C.

9:30 - 10:00.

Record keeping of English Walnut trees, T. A. Harper, Dundee.

10:00 - 10:30.

The amateur nut grower, Chas. H. Chapman, Portland.

10:30 - 11:00.

Diseases of the filbert and walnut, H. P. Barss, O. A. C.

11:00 - 12:00.

General Assembly.....Women's Gymnasium.

1:30 - 2:00.

Some experiments in propagating filberts, Knight Percy, Salem.

2:00 - 2:30.

Discussion led by V. R. Gardner, O. A. C.

2:30 - 3:00.

Propagation and top working of English Walnuts, J. B. Neff, Anaheim, Calif.

3:00 - 3:30.

My experience in grafting late walnut trees, Chas L. McNary, Salem.

3:30 - 4:00.

Some problems before the Northwest nut grower, C. I. Lewis, O. A. C.

4:00 - 5:00.

General Round Table and discussion of questions concerning walnut and filbert production.

Growers are urged to bring exhibits for the convention.

8:00 - 11:00.

Entertainment, Women's Gymnasium.

**PRUNE CONVENTION.**

**January 4 and 5, 1917.**

**Horticultural Building, Room 329.**

**Thursday, January 4, 1917.**

9:00 - 9:30.

Some phases of growing a 750,000 pound prune crop, Dr. L. D. Scarborough, Creswell.

9:30 - 10:00.

Fertilizers for the prune orchard, Lloyd T. Reynolds, Salem.

10:00 - 10:30.

Results of three years' fertilizer tests, A. F. Barss, O. A. C.

10:30 - 11:00.

Growing crops in the young orchard, Gideon Stoltz, Salem.

11:00 - 12:00.

General Assembly.....Women's Gymnasium.

1:30 - 2:00.

The prune borer, A. L. Lovett, O. A. C.

2:00 - 3:00.

A big prune crop every year (manure and tillage), L. F. Russell, Washugal, Wn.

3:00 - 3:30.

"A Get Acquainted" intermission.

3:30 - 4:30.

Pruning the prune, V. R. Gardner, O. A. C.

4:30 - 5:00.

Brown rot in prunes, H. P. Barss, O. A. C.

**Friday, January 5, 1917.**

9:00 - 9:30.

Building an evaporator, George Zimmerman, North Yamhill.

9:30 - 10:00.

Some fundamental principles of prune evaporation, T. A. Harper, Dundee.

10:00 - 10:30.

Evaporating the prune, G. A. Dearborn, Dundee.

10:30 - 11:00.

Address, A. H. Harris, Portland.

11:00 - 12:00.

General Assembly.....Women's Gymnasium.

1:30 - 2:00.

The standardization of the Italian prune, J. B. Brumfield, Salem.

2:00 - 2:30.

The possibilities of expanding the European and foreign trade for Northwest products, H. S. Gile, Salem.

**Friday, January 5, 1917.**

2:30 - 3:00.

The possibilities of expanding the American market for dry products, Robert Paulus, Salem.

3:00 - 3:30.

"Get Acquainted" intermission.

3:30 - 4:00.

Some prune problems, C. I. Lewis, O. A. C.

4:00 - 5:00.

General Round Table and discussion of vital topics of importance to prune growers.

6:30.

College products banquet.

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### **FRUIT MARKETING CONVENTION.**

**Horticultural Building, Room 329.**

**Saturday, January 6, 1917.**

8:30 - 9:00.

Address, A. C. Allen, Medford.

9:00 - 9:30.

The Fruit Growers Agency, Inc., Capt. Paul H. Weyrauch, Walla Walla, Wn.

9:30 - 10:00.

Local Organization, Hector MacPherson, O. A. C.

10:00 - 10:30.

Address, Dr. C. A. Macrum, Portland.

10:30 - 11:00.

The physical handling of fruit, C. I. Lewis, O. A. C.

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### **RURAL CHURCH CONFERENCE.**

**January 2 to January 5, 1917.**

Rev. J. Franklin Day, Carlton, President.

Rev. L. Myron Boozer, Grants Pass, Vice-President.

Prof. E. D. Ressler, Corvallis, Secretary.

This is the third annual conference of ministers and religious workers on the problems of the rural church. The two previous sessions were limited to two days during which three half days were devoted wholly to the consideration of specific church questions. An attempt is made this year to combine pulpit and pew, the ministers to attend the various lectures, conferences and conventions on agriculture, along with the laymen, and the laymen to join the ministers in the two hours daily sessions on church problems.

The officers urge the progressive farmers and their wives, whether actively enlisted in the work of the rural church or not, to attend these sessions from 4 to 6 P. M., in room 224 Agricultural Building. They want your counsel and advice in the discussions on how to make the rural church a more effective factor in the upbuilding of the country.

The following program, aside from the regular conference hour, 4 P. M. is merely suggestive. Many interesting and instructive subjects are listed for each hour in the day, from which doubtless other selections will be made by those ministers whose communities have specialized interests. It would be a fine thing for both the preacher and his congregation if every minister in Oregon, whose church serves farming communities, could attend Farmers' Week at the College. May we suggest that the church make the minister a Christmas present of the trip. With the half-fare railroad rate, and \$1.00 a day in Corvallis for lodging and board, ten to fifteen dollars, depending on the distance, will foot the bill.

### Suggested Program.

Tuesday, January 2, 1917.

9:00 - 10:00.

Commercial fertilizers on Oregon soils, H. D. Scudder. Agri. 101.

10:30 - 11:00.

The State Department of Markets, W. C. Scholtz, Idaho, (Tentative).

Discussion led by C. E. Spence, W. W. Harrah, Hector Macpherson. Agri. 310.

11:00 - 12:00.

General Assembly.....Women's Gymnasium.

1:00 - 2:00.

Canning demonstration, Helen Cowgill, O. A. C. Home Econ. 8.

Use of canned vegetables in the home, Sarah L. Lewis, O. A. C.

2:00 - 3:00.

Agricultural lime. Report of Committee, Sam H. Moore. Discussion led by J. M. Connor, R. Robinson, J. L. Smith. Agri. 310.

3:00 - 4:00.

How many hogs can Oregon profitably produce? E. L. Potter, O. A. C. Women's Gym.

4:00 - 6:00.

Conference on rural church. Agri. 224.

What constructive program can this conference follow out during 1917? President of the Conference, Rev. J. Franklin Day. Discussion led by Vice-President, Rev. L. Myron Boozer.

The relation of the Oregon Agricultural College to the rural church, E. D. Ressler, O. A. C.

Appointment of committees.

7:45 P. M.

Construction of the Tillamook District, Burr Beals, Tillamook.

Relation of drainage to irrigation, J. W. Brewer, President Oregon Irrigation Congress.

Design of an outlet system, T. A. H. Teeter, O. A. C.

Location and construction of field drains, J. E. Larson, O. A. C. Hort. 326.

Wednesday, January 3, 1917.

8:00 - 9:00.

Potato tuber and other insect pests, A. L. Lovett, O. A. C. Agri 203.

Wednesday, January 3, 1917.

9:00 - 10:00.

Poultry house construction, C. C. Lamb, O. A. C. Agri. 310.

10:00 - 11:00.

Varieties of wheat suited to the Inland Empire and Western Oregon, G. R. Hyslop. Agri. 203.

11:00 - 12:00.

General Assembly..... Women's Gymnasium.

1:00 - 2:00.

Some early Oregon Jersey history, Thos. Withycombe, Portland. Dairy 308.  
The future of the Oregon Jersey, R. L. Burkhart, Albany. Dairy 308.

2:00 - 3:00.

What organized farmers are accomplishing in California, Elwood Mead, University of California. Agri. 310.

3:00 - 4:00.

The next step in rural organization, C. E. Spence, J. D. Brown. Discussion led by W. K. Peery, Owen A. MacGill, C. J. Hurd. Agri. 310.

4:00 - 6:00.

Rural church conference. Agri. 224.

The rural ministry as a life investment, J. F. Brumbaugh, O. A. C.  
General discussion.

Reports of committees. Discussion.

Thursday, January 4, 1917.

8:00 - 9:00.

Judging breeding classes, Thomas Brunk. Pavilion.

9:00 - 10:00.

Grain Growers' Conference. Agri. 203.

10:30 - 11:00.

The chief factors involved in profitable farming, H. D. Scudder, O. A. C. Agri. 101.

11:00 - 12:00.

General Assembly..... Women's Gymnasium.

1:00 - 2:00.

Feeds and feeding, E. V. Ellington, U. S. Department of Agriculture, Dairy 300.

2:00 - 3:00.

Factors making for success in dairy farming, D. H. Otis, Wisconsin. Dairy 300

3:00 - 4:00.

Handling and storage of grain on the farm, John G. Lawrence, Garfield, Wash.  
Discussion led by R. O. Earnheart, Pendleton. Agri. 203.

4:00 - 5:00.

Rural church conference. Agri. 224.

A modern church for the modern farmer, Hector Macpherson, O. A. C.  
General discussion.

Reports of committees. General discussion.

Friday, January 5, 1917.

8:00 - 9:00.

The agricultural lime situation in Oregon and the need and use of lime on the farm, H. D. Scudder, O. A. C. Agri. 101.

How the Experiment Station can forward the lime movement, A. B. Cordley, O. A. C. Agri. 101.

9:00 - 10:00.

Construction and maintenance of gravel roads, G. V. Skelton, O. A. C. Hort. 140

10:00 - 11:00.

Classification of road mileage, C. E. Spence, Master State Grange. Hort. 140.

Repairing and resurfacing gravel roads, J. W. Finn, Road Master, Polk County. Hort. 140.

10:30 - 11:00.

General Assembly.....Women's Gymnasium.

1:00 - 2:00.

Pork Products Exhibit. Agri. 224.

2:00 - 3:00.

The farmer as a business manager, D. H. Otis, University of Wisconsin. Dairy 300.

3:00 - 5:00.

Rural church conference. Agri. 224.

Reports of committees. General discussion.

Miscellaneous business.

Election of officers.

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## CONFERENCE ON AGRICULTURAL LEGISLATION.

Agricultural Building, Room 310.

Tuesday, January 2, 1917.

9:00 - 10:00.

Land Title Registration; The amendment of the Oregon law, C. E. Spence. Discussion led by Professor Young, University of Oregon.

10:00 - 11:00.

The State Department of Markets, W. G. Scholtz, State Market Director, Idaho. (Tentative) Discussion led by C. E. Spence, W. W. Harrah, Hector Macpherson.

11:00 - 12:00.

General Assembly.....Women's Gymnasium.

1:30 - 2:00.

Commercial aspect of cheaper lime for the farmer, Walter Kline, President Corvallis Commercial Club.

2:00 P. M.

Agricultural Lime; Report of committee—Sam H. Moore. Discussion led by J. M. Connor, R. Robinson, J. L. Smith.



Tuesday, January 2, 1917.

3:00 - 4:00.

What the State Land Board proposes to do with the Rural Credits Amendment, Thomas Kay, State Treasurer.

4:00 - 5:00.

Rural Credits Legislation, Safeguarding the State system, J. D. Brown, President Farmers' Union. Discussion led by B. G. Leedy and F. A. Sikes.

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### CONFERENCE OF ORGANIZED FARMERS.

Agricultural Building, Room 310.

Wednesday, January 3, 1917.

2:00 - 3:00.

What Organized Farmers are accomplishing in California, Professor Elwood Mead, University of California.

3:00 - 4:00.

The next steps in rural organization, C. E. Spence, J. D. Brown. Discussion led by W. K. Peery, Owen A. MacGill, C. J. Hurd.

4:00 - 5:00.

Grange and Farmers Union Conference and meeting of Oregon Farmers League

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### HOG PRODUCERS' SCHOOL AND CONFERENCE OF OREGON SWINE BREEDERS' ASSOCIATION.

(All meetings will be held in the Women's Gymnasium unless otherwise specified.)

The hog has come to Oregon to stay. We have had our booms and our depressions but now is the time to put hog production on a firm conservative basis, where it may not be at the mercy of every fluctuation of the market, but yield a profit year in and year out. The day of praising and of abusing the hog is past. We are now facing a plain business proposition—"Not More Hogs, but More Profit."

Since it is impossible to give all the animal husbandry work needed, the department will confine its efforts for this Farmers' Week entirely to hogs. Next Farmers' Week a Sheep School will be offered, while in the spring of 1917 some big beef cattle events will be scheduled. Plans for a Hogs Breeders' School are under way and announcements will be made later.

Tuesday, January 2, 1917.

11:00 - 12:00.

General Assembly..... Women's Gymnasium.

1:00 - 3:00.

Inspection of the new hog barn. (Assemble at Pavilion).

3:00 - 4:00.

How many hogs can Oregon profitably produce? E. L. Potter, O. A. C.

**Tuesday, January 2, 1917.**

4:00 - 5:00.

The influence of breeding on profit, G. R. Samson, O. A. C.

5:00 - 6:00.

Animal Husbandry Office open to callers, E. L. Potter, G. R. Samson, E. B. Fitts, L. J. Allen, O. A. C. Agri. Room 210.

7:30 - 9:30.

Members of the department will meet visitors during these hours, providing appointment has been arranged at the Information Bureau, Agri. 210. (See General Program for evening events.)

**Wednesday, January 3, 1917.**

8:00 - 10:00.

Judging breeding hogs, Thomas Brunk. Pavilion.

10:00 - 11:00.

Rations for sows and pigs, G. R. Samson, O. A. C.

11:00 - 12:00.

General Assembly.....Women's Gymnasium.

1:00 - 3:00.

Meeting of the Oregon Swine Breeders' Association, Thomas Brunk, President, G. O. Swales, Secretary. Women's Gymnasium.

3:00 - 4:00.

Growing forage crops for swine, G. R. Hyslop, O. A. C.

4:00 - 5:00.

Supply, demand, and the hog market, E. L. Potter, O. A. C.

5:00 - 6:00.

The office will be open to callers during this hour, E. L. Potter, G. R. Samson, E. B. Fitts, L. J. Allen. Agri 210.

8:00 - 10:00.

Reception and entertainment.....Women's Gymnasium.

**Thursday, January 4, 1917.**

8:00 - 10:00.

Judging breeding classes, Thomas Brunk. Pavilion.

10:00 - 11:00.

Rations for weanlings and shotes, G. R. Samson.

11:00 - 12:00.

General Assembly.....Women's Gymnasium.

1:00 - 3:00.

Management Demonstration, E. L. Potter and O. M. Nelson. Pavilion.

3:00 - 4:00.

Cooperative shipping of hogs, E. B. Fitts.

4:00 - 5:00.

Alfalfa and cheaper pork, Robert Withycombe.

Thursday, January 4, 1917.

5:00 - 6:00.

The office will be open to callers during this hour, E. L. Potter, G. R. Samson, E. B. Fitts, L. J. Allen. Agri 210

7:30 - 9:30.

Members of the department will meet visitors during these hours, providing appointment has been arranged at the Information Bureau, Agri. 210. (See General Program for evening event.)

Friday, January 5, 1917.

8:00 - 10:00.

Judging market classes, A. R. Bohasky. Pavilion.

10:00 - 11:00.

Rations for fattening pigs, G. R. Samson.

11:00 - 12:00.

General Assembly.....Women's Gymnasium.

1:00 - 3:00.

Pork production exhibit. Agri. 221.

3:00 - 4:00.

Conditions in the provision market, B. C. Darnell.

4:00 - 5:00.

The use of peas and bald barley, Robert Withycombe.

5:00 - 6:00.

The office will be open to callers during this hour, E. L. Potter, G. R. Samson, E. B. Fitts, L. J. Allen. Agri 210.

6:30.

College products banquet (See General Program), Waldo Hall.

Saturday, January 6, 1917.

8:00 - 10:00.

Judging market classes, A. R. Bohasky. Pavilion.

10:00 - 11:00.

Rations for breeding stock, G. R. Samson.

11:00 - 12:00.

General Assembly.....Women's Gymnasium.

The Reading Room of the Animal Husbandry Department will be open at all hours during the week. Make yourself at home. Agri. 212.

## PROGRAMS OF INTEREST TO DAIRYMEN.

Dairy Building, Room 300.

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Tuesday, January 2, 1917.

1:00 - 2:00.

Cutting and curing hay, J. E. Larson, O. A. C.

3:00 - 4:00.

Judging demonstration, dairy cattle, D. C. Howard, O. A. C. Pavilion.

Feeding demonstration, E. B. Fitts, O. A. C.

Babcock testing demonstration, O. G. Simpson, P. S. Lucas, O. A. C. Dairy Lab.

4:00 - 5:00.

Moving pictures—Dairy subjects. in charge of O. G. Simpson and P. S. Lucas,  
O. A. C.

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## CONFERENCE OF OFFICIAL TESTERS.

Agricultural Building, Room 229.

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Tuesday, January 2, 1917.

2:30 - 3:00.

The progress in dairying the past year, J. D. Mickle, State Dairy and Food  
Commissioner.

3:00 - 3:45.

The Testing Association's value to my community, by Association Presidents,  
W. M. Schulmerich, President Washington County Association,  
Warren Gray, President Turner Association, J. W. Reith, President  
Lewis and Clarke Association.

3:45 - 4:15.

The dairy sire's progeny test conducted throughout the Association, W. A.  
Barr, O. A. C.

4:15 - 5:00.

Ensuing year's projects presented by Official Testers with discussion.

Persuading members to buy feed cooperatively, K. Hanneman, Turner, Ass'n.

What evidence of the value of pure-bred bulls can be shown the average dairy-  
man, Kenneth Nelson, Myrtle Point Ass'n.

Pure-bred bulls for Curry County, D. L. Jamison, Curry County Ass'n.

The pasture problem for coast dairymen, A. B. Anderson, Lewis & Clarke Ass'n

What grain feed can be fed by coast dairymen, I. J. Wolf, Tillamook Ass'n.

Calf raising in whole milk districts, D. S. Frame and L. B. Moore.

**Wednesday, January 3, 1917.**

9:00 - 9:45.

The tester as a representative of the Extension Service, R. D. Hetzel, O. A. C.

9:45 - 10:30.

The Testing Association in the development of dairying in Oregon, E. V. Ellington, Western Dairy Division Office, Salt Lake City.

10:30 - 11:00.

The work of the Dairy Department in production, in manufacturing, R. R. Graves, O. A. C.

11:00 - 12:00.

General Assembly..... Women's Gymnasium.

1:00 - 1:30.

Raising dairy calves, E. B. Fitts, O. A. C.

1:30 - 2:15.

How to arouse interest in a Bull Association, F. W. Kehrl, O. A. C.

2:15 - 3:00.

The necessity and importance of reports, W. E. Meyer, Dairy Div., U. S. D. A.

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**OREGON HOLSTEIN CATTLE CLUB PROGRAM.**

**Dairy Building, Room 300.**

**Wednesday, January 3, 1917.**

8:30 - 9:00.

President's address, J. Luscher, Fairview.

9:00 - 9:30.

The advantages of the seven-day test, vs. the yearly test, from the standpoint of the small breeder, Thos. Carmichael, Gaston.

9:30 - 10:00.

Which is the more profitable, the ten months' test, or the twelve months' test? from the standpoint of the Holstein breeder, W. K. Newell, Seghers.

10:30 - 11:00.

General discussion of topics, led by D. McKeown, Gresham.

11:00 - 12:00.

General Assembly..... Women's Gymnasium.

1:00 - 2:00.

The workings of the National Holstein Friesian Association, Wm. Bishop, Chimacum, Wash.

2:00 - 3:00.

Responsibilities of the seller and the buyer in the auction ring, J. W. Hughes, Dilley.

3:00 - 4:00.

Address, Holstein Representative, E. C. Schroeder, Moorhead, Minn.

4:00 - 6:00.

General discussion of topics, led by C. S. McGee, McMinville.

**OREGON JERSEY CATTLE CLUB PROGRAM.**  
**Dairy Building, Room 308.**

**Wednesday, January 3, 1917.**

9:30 - 10:00.

Address by the President, H. Thiessen, Milwaukee.

10:00 - 11:00.

Some facts about the A. J. C. C. and its future, J. M. Dickson, Shedd.

11:00 - 12:00.

General Assembly.....Women's Gymnasium.

1:00 - 1:30.

Some early Oregon Jersey history, Thos. Withycombe, Portland.

1:30 - 2:00.

The future of the Oregon Jersey, R. L. Burkhart, Albany.

2:00 - 2:30.

What the Jersey has done for Polk County she will do for your community, Mrs. F. Lynn, Perrydale.

2:30 - 3:00.

Line breeding. Does the record show we should? Cummings Dickson, Shedd.

3:00 - 3:30.

Why we need the Show Ring in the breeding of Jerseys, Clifford Reid, Portland.

3:30 - 4:00.

Why official testing pays, D. Brooks Hogan, Oswego.

4:00 - 4:30.

Feed-feeding, Official Tester of Marion County, K. Hanneman.

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**OREGON GUERNSEY CATTLE CLUB PROGRAM.**  
**Agricultural Building, Room 100.**

**Wednesday, January 3, 1917.**

2:00 - 2:30.

President's Address, A. L. Gile.

2:30 - 3:30.

Address by Guernsey Cattle Club Representative.

3:30 - 4:00.

Prominent Guernsey families, Mrs. Hughes.

4:00 - 4:30.

Feeding the Guernsey cow in the Willamette Valley, C. L. Hawley.

4:30 - 5:00.

Raising the Guernsey calf, W. A. Goodin.

5:00.

Problems of the Guernsey breeder, Discussion led by J. T. Whalley.

**SPECIAL DAIRY HUSBANDRY PROGRAM.**

**Wednesday, January 3, 1917.**

- 3:00 - 4:00.  
Demonstration in judging dairy cattle, D. C. Howard, O. A. C. Pavilion.  
3:00 - 3:30.  
Farm butter making, O. G. Simpson, O. A. C. Dairy 205.  
3:30 - 4:00.  
Cottage cheese making, P. S. Lucas, O. A. C. Dairy 205.  
3:00 - 4:00.  
Feeding demonstration, E. B. Fitts, O. A. C. Agr. 101.

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**OREGON DAIRYMEN'S ASSOCIATION.**

**Dairy Building, Room 300.**

**Thursday, January 4, 1917.**

- 9:15 - 9:30.  
Address of Welcome, A. B. Cordley, O. A. C.  
9:30 - 10:00.  
Annual address, President W. K. Newell.  
10:00 - 11:00.  
Address, E. C. Schroeder, Moorehead, Minnesota.  
11:00 - 12:00.  
General Assembly.....Women's Gymnasium.  
1:00 - 2:00.  
Feeds and Feeding, E. V. Ellington, U. S. Department of Agriculture.  
2:00 - 3:00.  
Factors making for success in dairy farming, D. H. Otis, Wisconsin.  
3:00 - 4:00.  
Recent Steps in Dairy Organization, E. T. Reed, O. A. C.  
4:00 - 4:30.  
Discussion.  
Business session.

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**SPECIAL DAIRY HUSBANDRY PROGRAM.**

**Dairy Building, Room 300.**

**Friday, January 5, 1917.**

- 8:00 - 11:00.  
Combating sterility and abortion. Demonstration, B. T. Simms, O. A. C.,  
Judging Pavilion.  
11:00 - 12:00.  
General Assembly.....Women's Gymnasium.

- 2:00 - 3:00.  
 The farmer as a business manager, D. H. Otis, University of Wisconsin.
- 3:00 - 4:00.  
 Seeding permanent pasture, J. E. Larson, O. A. C. Agri. 228.
- 3:00 - 4:00.  
 Demonstration in judging dairy cattle, D. C. Howard, O. A. C. Judging Pavilion
- 3:00 - 4:00.  
 Feeding Demonstration, E. B. Fitts, O. A. C.
- 4:00 - 4:30.  
 Silo Construction, Illustrated, W. A. Barr, O. A. C.
- 4:30.  
 Illustrated lecture, Moving pictures. In charge of O. G. Simpson and P. S. Lucas.

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**SEED AND POTATO GROWERS' CONVENTION.**  
**Agricultural Building, Room 203.**

**Tuesday, January 2, 1917.**

- 10:00 - 10:30.  
 Informal meeting of growers.
- 10:30 - 11:00.  
 Farm seed growing as a business, G. R. Hyslop, O. A. C.
- 11:00 - 12:00.  
 Growing and marketing potatoes. Two leading potato growers of Oregon.  
 Discussion.
- 1:00 - 2:00.  
 Potato diseases and their control (Illustrated), M. B. McKay, O. A. C.  
 Discussion.
- 2:00 - 3:00.  
 The certification of seed potatoes, H. P. Barss, O. A. C. Discussion.
- 3:00 - 4:00.  
 Farm practice in the Willamette Valley with special reference to clover production (Illustrated), Byron Hunter, Agriculturist, Office of Farm Management, U. S. Dept. of Agriculture, Walla Walla, Wn. Discussion.
- 4:00 - 4:30.  
 Hill selection and other methods of improving farm seed, J. E. Larson, O. A. C.  
 Discussion.
- 4:30 - 5:00.  
 Marketing of improved seed, S. B. Hall, County Agent, Multnomah County.  
 Discussion led by G. L. Hurd, O. A. C.
- 5:00 - 5:30.  
 Seed standards and seed organizations, N. S. Robb, County Agent Lane County.
- 5:30 - 6:00.  
 Organization of seed and potato growers.



Wednesday, January 3, 1917.

8:00 - 9:00.

Potato tuber moth and other insect pests, A. L. Lovett, O. A. C.

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**FIRST ANNUAL NORTHWEST GRAIN CONVENTION.**

January 3, 4, 5, 1917—Agricultural Building, Room 203.

Wednesday, January 3, 1917.

**Problems of Production.**

9:00 - 10:00.

Address of Welcome, A. B. Cordley, O. A. C.

Cultural methods suited to the great wheat belt, D. E. Stephens, Supt. Eastern Oregon Dry Farming Branch Station, Moro. Discussion.

10:00 - 11:00.

Varieties of wheat suited to the Inland Empire and Western Oregon, G. R. Hyslop, O. A. C.

11:00 - 12:00.

General Assembly.....Women's Gymnasium.

1:00 - 1:30.

Threshing methods for the Inland Empire.

1:30 - 2:00.

How the thresherman may improve the market quality of grain, Fred Weise, Condon, Oregon. Discussion.

2:00 - 3:00.

Profits in grain farming according to tenure (Illustrated), Byron Hunter, Agriculturist Office of Farm Management, U. S. Department of Agriculture, Walla Walla, Washington.

3:00 - 4:00.

Cereal diseases and their treatment with especial reference to smut, H. P. Barss, O. A. C.

4:00 - 4:30.

Smut explosions and their prevention, I. B. Charlton, Professor of Agricultural Engineering, Western Washington Station, Puyallup, Washington.

4:30 - 5:00.

Fighting the Hessian fly and wire worm, A. L. Lovett, O. A. C.

5:00 - 5:30.

The future of the wheat industry, G. R. Hyslop, O. A. C, Discussion.

Thursday, January 4, 1917.

**Grain Handling Problems.**

9:00 - 10:00.

A survey of the grain handling movement, W. J. Kerr, President, O. A. C.

Grain grades and grain standardization for the Northwest, M. Yoder, in charge Grain Standardization Laboratory, U. S. Department of Agriculture, Portland, Oregon. Discussion.

Thursday, January 4, 1917.

Grain grades and their results in the State of Washington, R. D. Jarboe, Chief Grain Inspector, Tacoma, Washington. Discussion.

10:00 - 11:00.

Grades as related to the millers' requirements, D. A. Patullo, Manager, Grown Mills, Portland.  
Additional speakers. Discussion.

11:00 - 12:00.

General Assembly.....Women's Gymnasium

1:00 - 1:30.

Grain grades from the exporters' point of view, N. A. Leach, Manager Grain and Warehouse Department, Kerr-Gifford & Co., Portland. Discussion.

1:30 - 2:00.

Experience of the Farmers' Union in marketing, J. D. Brown, President Farmers' Union of Oregon-Southern Idaho, Portland. Discussion.

2:00 - 3:00.

The commercial aspect of bulk handling, W. D. B. Dodson, Executive Secretary Chamber of Commerce, Portland. Discussion.

3:00 - 3:30.

Handling and storage of grain on the farm, John C. Lawrence, Garfield, Washington. Discussion led by R. O. Earnheart, Pendleton.

3:30 - 4:30.

Conformity with demands of the market, W. W. Harrah, Pendleton. Discussion

4:30 - 5:30.

Bulk handling at interior points, A. C. Whisler, Manager Union Warehouse Co., Garfield, Wash. Discussion, Hon. W. M. Pierce, LaGrande.

Grain handling in the Grand Ronde Valley, Hon. Edward E. Kiddle, LaGrande.

The farmers elevator, Chas. G. Smith, Manager, Farmers Elevator Company, Condon, Ore. Discussion led by John Lorang, Genessee, Idaho.

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Friday, January 5, 1917.

Transportation, Terminal Marketing and Organization.

8:00 - 8:30.

The railroad's attitude toward grain handling, Representative of S. P. & S. Railroad.

Grain handling on the Southern Pacific, H. A. Hinshaw, General Freight Agent S. P. Lines.

8:30 - 9:00.

Railroad ability to care for bulk shipments and how cars should be prepared by shipper, Frank Robinson, General Traffic Manager, O. W. R. & N. Co., Portland. Discussion.

9:00 - 9:30.

Bulk handling at terminals, G. B. McLeod, President of the Port of Astoria, Astoria, Oregon. Discussion.

Friday, January 5, 1917.

9:30 - 10:00.

Bulk handling in Washington, Robert Bridges, Pres. Port of Seattle. (30 min.)

10:00 - 11:00.

Terminal marketing as viewed by the wheat buyer and exporter, M. H. Houser, Grain Exporter, Portland. Discussion.

Ocean transportation development in the Columbia River, E. W. Wright, Manager Port of Portland.

11:00 - 12:00.

General Assembly.....Women's Gymnasium.

1:00 - 1:30.

Progress of bulk handling movement to date, E. E. Faville, Editor Western Farmer. Discussion.

1:30 - 2:00.

The Panama Canal and other new conditions affecting ocean transportation of grain, Alfred Tucker, of Meyer, Wilson & Co., Portland. Discussion.

2:00 - 2:30.

The Columbia River as a world's grain port (Illustrated), G. B. Hegardt, Engineer-Secretary Commission of Public Docks, Portland.

2:30 - 3:30.

Elevator organization, Hector Macpherson, O. A. C.

3:30 - 4:30.

Construction of country elevators. Speakers to be selected. Discussion.

4:30 - 5:00.

Equipment of country elevators, J. J. Ross, President J. J. Ross Mill Mfg. Co., Portland, Oregon.

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### WHEAT SHOW.

Farm Crop Laboratory, Agri. 207.

January 3, 4, and 5, 1917.

Competitive exhibits of one bushel of wheat may be entered under the growers name in classes listed below.

Entries close and exhibits must be in place at 8:00 A. M., January 4.

Prizes are offered as follows:

Eastern Oregon Section.

Best bushel Turkey Red.

\$25.00 water tank, Coast Culvert and Flume Co., Portland.

Best bushel any other red variety

\$13.50 Grain Tester, Pacific Scale & Supply Co., Portland.

Best bushel Early Bart.

\$25.00 water tank, Coast Culvert and Flume Co., Portland.

Best bushel Bluestem.

\$25.00 cash, Holt Mfg. Co., Portland and Spokane.

Best bushel Forty-fold or any other white variety.

\$20.00 hard oil, A. H. Averill, Mfg. Co., Portland.

**Western Oregon Section:**

Best bushel Red wheat.

Best bushel White Wheat.

\$17.50 Syracuse 14in Slat bottom plow, John Deer Plow Co., Portland.

Other prizes will be offered for each of the classes of exhibits for which no prizes have been enumerated.

Educational exhibits on wheat culture will be shown by the Experiment Stations and the Farm Crops Club.

Exhibits will be shipped back or sold and receipts of sale sent to grower as desired.

Judges: M. Yoder, U. S. Grain Standardization Laboratory, Portland.  
N. A. Leach, Kerr Gifford & Co., Portland.

Address all shipments to O. A. C. WHEAT SHOW, CORVALLIS, ORE.  
Entries will be placed on arrival. No entry fee.

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**COUNTY FAIR OFFICIALS CONFERENCE.**  
**Horticultural Building, Room 137.**

**Wednesday, January 3, 1917.**

1:00 - 2:00.

Opening Address, J. A. Churchill, President.

Should the juvenile fair correspond more closely in its classification and arrangement to the fair of the adults, L. P. Harrington State Department of Education.

Discussion, H. C. Seymour, Clyde T. Bonney, N. C. Maris and others.

2:00 - 3:00.

Grouping exhibits, its effect on (1) the public, (2) the exhibitor, (3) the judge, A. G. Bouquet, O. A. C.

Discussion, H. C. Stevens, George and D. M. Lowe, Ashland, Oregon.

3:00 - 4:30.

Improvements suggested in our present methods of classification, W. S. Brown, O. A. C.

Discussion by Fair Secretaries, Directors and others, O. M. Nelson, leader, O. A. C.

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**FIRST ANNUAL THRIFT CONFERENCE.**  
**Horticultural Building, Room 140.**

**Wednesday, January 3, 1917.**

Ira C. Powell, First National Bank, Monmouth, Chairman.

J. C. Irvine, First Savings Bank, Albany, Secretary.

The Earl of Rosebury said that "thrift is the surest and strongest foundation of an empire, so sure, so strong, and so necessary that no great empire can long exist that disregards it." Samuel Smiles said that "thrift began with civilization; it began as soon as man realized that it was necessary to provide for tomorrow as well as for today. It began long before money was invented. Thrift means private economy as well as the order and management of a family. Thrift requires that money should be used and not abused; that it should be honestly earned and economically employed." In a large way, it is the aim of thrift promoters, individual and organized, to change the attitude of the American people in respect to conservation of its great natural, commercial, and social resources; to awaken a sense of responsibility for the extraordinary opportunities which we enjoy as a nation.

Wednesday, January 3, 1917.

- 10:30 A. M.  
Business meeting of Group II, State Bankers Association, Room 302, Agricultural Building.
- 1:15 - 1:30.  
Object and plan of the Conference, J. A. Bexell, O. A. C.
- 1:30 - 2:00.  
Thrift in relation to the school, C. T. Bonney, Wasco County, Oregon.
- 2:00 - 2:30.  
Thrift in relation to community and national development, Wilfrid P. Jones, Vice-President Northwestern National Bank, Portland.
- 2:30 - 3:00.  
The Psychology of Thrift, J. F. Brumbaugh, O. A. C.
- 3:00 - 3:30.  
Thrift in relation to the home, Miss Alice Ravenhill, British Columbia.
- 3:30 - 4:00.  
The Boys' Pig Club in Oregon, L. J. Allen, O. A. C.
- 3:30 - 4:30.  
The school savings bank, E. D. Ressler, O. A. C.
- 6:30 - 8:00.  
Conference Dinner, W. E. Kyler, Toastmaster. Waldo Hall.
- 8:00 P. M.  
Entertainment. Women's Gymnasium.

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**ROAD BUILDERS CONVENTION.**  
Horticultural Building, Rooms 138 and 140.

Thursday, January 4, 1917.

- 1:45 - 2:00.  
Address of Welcome, R. D. Hetzel, O. A. C.
- 2:00 - 3:00.  
The earth road, G. V. Skelton, O. A. C. Discussion.
- 3:00 - 4:00.  
The responsibilities and opportunities of the County Judges and Commissioners of Oregon in the road development of the State, Hon. Rufus C. Holman, Commissioner of Multnomah County. Discussion.
- 4:00 - 5:00.  
Illustrated road talk, Hon. John H. Lewis, State Engineer of Oregon..
- Types of hard surfaced roads, S. H. Graff, O. A. C.

Friday, January 5, 1917.

- 8:30 - 9:00.  
Pipe culvert types. A general discussion led by C. B. McCullough, O. A. C.
- 9:00 - 10:00.  
Construction and maintenance of gravel roads, G. V. Skelton, O. A. C.
- 10:00 - 10:30.  
Classification of road mileage, Hon. Charles E. Spence, Master State Grange.
- 10:30 - 11:00.  
Repairing and resurfacing gravel roads, J. W. Finn, Road Master, Polk County, Oregon. Discussion.
- 11:00 - 12:00.  
General Assembly..... Women's Gymnasium.
- 1:30 - 2:00.  
Road oiling and surface treatment, C. R. Beardsley.

Friday, January 5, 1917.

- 2:00 - 3:00.  
Concrete drainage structures, C. B. McCullough, O. A. C. Discussion.  
3:00 - 3:30.  
Selection of bridge timber, J. P. VanOrsdel, O. A. C.  
3:30 - 4:00.  
Drainage basins and waterways areas, S. M. P. Dolan, O. A. C.  
4:00 - 4:30.  
Question box.  
6:30 P. M.  
College products banquet, Waldo Hall.

Saturday, January 6, 1917.

- 9:00 - 9:30.  
The patrol system of maintenance, C. B. McCullough, O. A. C.  
9:30 - 10:00.  
The engineer in road building, G. V. Skelton, O. A. C.  
10:00 - 10:30.  
Question hour.  
10:30.  
Inspection trip.

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PROGRAM FOR CONFERENCE OF COUNTY SCHOOL SUPERINTENDENTS AND SUPERVISORS.

Dairy Building, Room 308.

Friday, January 5, 1917.

- 10:00 - 11:00.  
Address, R. D. Hetzel, O. A. C.  
Our relationship to the College, Supt. J. C. Sturgill, Supt. O. C. Brown, Supervisor Miss Jennie Bossen, Supervisor F. R. Peterson.  
11:00 - 12:00.  
General Assembly.....Women's Gymnasium.  
1:30 - 2:30.  
Relation of County Agents to County Superintendent and Supervisor, P. V. Maris, State Leader County Agents, Supt. C. T. Bonney, Supt. Lincoln Savage, Supt. Chas. Oliver, Supt. Mrs. A. E. Ivanhoe.  
3:30 - 4:00.  
Method of presenting and keeping the Club work before the boys and girls, Supt. R. E. Cannon, Supt. A. P. Armstrong, Supt. Miss Fay Clark, Supt. S. S. Duncan, Supt. W. M. Smith, Supt. J. E. Myers, Supervisor Brenton Vedder, L. P. Harrington, Supt. B. W. Barnes.  
4:00 - 5:00.  
Boycraft, J. F. Brumbaugh, O. A. C.

Saturday, January 6, 1917.

- 9:00 - 10:00.  
The County unit of taxation, Supt. Fred Peterson, Supt. J. E. Calavan, Supt. I. E. Young, Supt. W. I. Reynolds.  
10:00 - 11:00.  
The Summer School at the Oregon Agricultural College for boys and girls, E. D. Ressler, O. A. C., Asst. Supt. E. F. Carleton, N. C. Maris.  
11:00 - 12:00.  
General Assembly, Women's Gymnasium.

Saturday, January 6, 1917.

1:30 - 2:00.

Address, Supt. J. A. Churchill State Department of Education, Salem.

2:00 - 3:00.

Odds and ends. Question box.

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**GAS ENGINE AND TRACTOR COURSE.**

**Farm Mechanics' Building.**

**Friday, January 5, 1917.**

9:00 - 10:00.

Selection, care and repair of farm gas engine (Illustrated by slides), W. J. Gilmore, O. A. C. Room 302, Agricultural Building.

10:00 - 11:00.

Inspection and operation of gas engines, W. J. Gilmore, O. A. C.

1:30 - 4:00.

Inspection and operation of farm engines and tractors, W. J. Gilmore, O. A. C.  
Saturday, January 6, 1917.

9:30 - 10:00.

Tendency in design of farm tractors, W. J. Gilmore, O. A. C. Room 101, Agri. Building.

10:00 - 12:00.

Inspection and operation of farm engines and tractors.

1:30 - 4:30.

Inspection and operation of farm engines and tractors.

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**FIRST STATE CONFERENCE OF COUNTY AGRICULTURAL COUNCILS.**

**Agricultural Building, Room 100.**

**Friday, January 5, 1917.**

Note:—All speakers without exception must be limited to 20 minutes in order to complete the program in one day's session.

9:00 - 11:00.

Why we are called together, Paul V. Maris, O. A. C.

Our relationship, R. D. Hetzel, O. A. C.

Accomplishments and difficulties of cooperative marketing, C. J. Hurd, Lane County Agricultural Council.

Fifty-four silos in a season in Yamhill County, G. U. Smith, Chairman of Silo Committee of Yamhill County Agricultural Council.

11:00 - 12:00.

General Assembly..... Womens Gymnasium.

1:30 - 5:00.

Making our cows as good as our cheese, Charles Koontz, President Tillamook County Agricultural Council.

Outside help for the County, A. Wylberg, President Josephine County Agricultural Council.

Problems we have tackled and problems still to tackle, Senator Walter Pierce, Union County Agricultural Council.

Working upon the orchard problems of the Rogue River Valley, A representative of Jackson County Pathological Committee.

We need each other, J. D. Brown, President Oregon Farmers' Union, and C. E. Spence, Master of Oregon State Grange.  
 Making Deschutes Valley potatoes famous, John F. Blanchard, President Crook County Agricultural Council.  
 Our lime and fertilizer demonstrations, J. G. Kelly, Vice-President Multnomah County Agricultural Council.  
 "Jim Hill Mustard", a Colt Show, a trip to Moro, moving the corn belt, and other things accomplished the first year in Wasco County, Mr. J. T. Adkinson, President Wasco County Agricultural Council.  
 Shall alkali come up or go down? - It depends upon the people. A representative of Malheur County Agricultural Council.  
 The status of a County Agricultural Council without a County Agricultural Agent, Mr. Archie Miller, President Linn County Agricultural Council.

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**AGRICULTURAL LIME CONFERENCE PROGRAM.**

**Agricultural Building, Room 101.**

**Friday, January 5, 1917.**

8:00 - 9:00.

The agricultural lime situation in Oregon and the need and use of lime on the farm, H. D. Scudder, O. A. C.  
 How the Experiment Station can forward the lime movement, A. B. Cordley, O. A. C.

**Friday, January 5, 1917.**

9:00 - 10:00.

Lime deposits in Oregon and the cost of a ground-limestone plant, H. M. Parks, O. A. C.  
 The advantages of a State operated lime plant, S. H. Moore, Chairman Lime Committee.

10:00 - 11:00.

What the farmers think about the lime question, J. M. Dickson, Shedd, Oregon.  
 Agricultural lime in Western Washington, W. A. Linklater, Supt Western Washington Experiment Station.  
 Proposed legislation for cheaper lime, Hector Macpherson, O. A. C.

11:00 - 12:00.

General Assembly.....Women's Gymnasium.

2:00 - 3:00.

How legislation for agricultural lime may be forwarded, C. E. Spence, Master State Grange.  
 The Agricultural Press on the lime question, E. E. Faville, Editor Western Farmer.

3:00 - 4:00.

College aid in the movement for cheaper lime, W. J. Kerr, President, O. A. C.  
 The interest of the railroads in this question and what they can do to help, W. W. Cotton, Portland, Attorney Union Pacific.  
 The Portland Chamber of Commerce and the lime question, W. D. B. Dodson, Executive Secretary Portland Chamber of Commerce.

4:00 - 5:00.

What private interests propose to do, C. W. Jones, Portland.  
 The need of lime from the bacteriologist's standpoint, T. D. Beckwith, O. A. C.  
 Simple field tests for soil acidity, C. V. Ruzek, O. A. C.