

STUDY OF HORTICULTURE HAS BEGUN

Two Weeks' Course in Horticulture Is Opened.

PRODUCTION SPEEDED UP

Increase in Hood River Output by Better Management Inspires Further Deliberations.

The two weeks' course in horticulture which opens the series of short courses in connection with the annual farmers' week at Oregon Agricultural college began Saturday. Orchard and orchard soil management will be given prominence in view of the showing made by improved management methods in the Hood River district, which increased production from 216 to 314 boxes of packed apples in a three-year average.

The changes brought about by the new methods result in improved soil fertility and soil tilth, lessened erosion, increased soil nitrogen and increased vegetable growth. All these factors make for permanent production as well as better profits and more fruit.

Like improvements have grown out of the station work in vegetable growing, which is listed for the course work under Prof. A. G. Bouquet and his assistants. A nationwide contest in vegetable growing was held at Albany, N. Y. Elmo Chase is a graduate of the college in the vegetable growing department, and Frank Chase has missed a single short course so far held by the college. The work on classes of vegetables best suited to the different districts of Oregon, most profitable varieties, and planting dates with cultural methods, such as brought success in the contest, will receive attention in the short course.

Production Speeded Up. The winter short courses are proving of great value to the farmers in speeding up production. They are arranged especially for the benefit of the man who has had experience in tilling the soil and who is anxious to learn scientific phases of farming not obtained by experience. They are intended to place him in a position to get the most out of his farm.

Other short courses to be given at the college are: Two weeks' grain grading course, January 3 to 21.

Four weeks' course in bookkeeping, January 20 to February 25.

Eleven weeks' course in tractor mechanics, January 24 to March 15.

Short courses in dairy manufacturing, January 24 to 28, and January 29 to February 25.

Eleven weeks' course in agriculture, January 24 to March 18.

Five months' dairy herdsmen's course, January 24 to June 19.

YOUNGSTERS MAKE PROFIT

More Than 100 Per Cent on Money Invested Made by Prize Winners.

OREGON AGRICULTURAL COLLEGE, Corvallis, Dec. 4.—(Special.)—An average gain of more than 100 per cent on money invested was made by the six boys and girls in the Portland stockyards special contest. The average cost of their four pigs for the entire period of their growth was \$72.87 with a net return of \$134.95.

The Portland union stockyards appropriated prizes totaling \$400 for a pen of four pigs exhibited in the Pacific International Livestock exhibition by Oregon pig club members. It was required that the pigs be entered in the contest at the start of their feeding period and that accurate feed and weight records be kept for a period of at least three months. The judging was based on individual gain in weight, cost, and completeness and accuracy of the records.

The average cost of the pig, according to data filed by the youngsters was 5.65 pounds. The average weight of each pig at the beginning of the contest was 32.50 pounds. The pig averaged 236 pounds when the contest closed after 90 days.

The state was divided into three districts for the contest. Alta Denhammer of Gresham placed first in district No. 1, Melville Richey and Lemly Lynch came second and third, respectively. Emling Bloom took first place in district No. 2. Wayne L. Swaggert and James Waugman placed first and second, respectively, in district No. 3.

CLUB WORK PROFIT TO STATE

Boys and Girls Clear \$31,000 Cash in Work for Year.

A profit to taxpayers of \$31,000 last year was realized from the results of club work among boys and girls of the state, according to H. D. DeLoe, state leader of boys' and girls' clubs.

Last year the entire expense to boys' and girls' clubs was \$35,000, and the value of things produced \$111,000, said Mr. Seymour. "This does not include \$19,000 worth in prizes, nor does it touch the educational value to the club members. The overhead cost to the state was \$25,000."

In the 15 projects 10,128 members were enrolled. Sewing and cooking projects under Miss Helen Cowgill were the most popular with the girls, while the pig club clubs led by L. J. Allen drew the largest number of boys. The 400 members in the canning project canned 28,799 quarts of fruit, vegetables and meat.

"Club work has helped improve the quality of stock raised in Oregon," said Mr. Seymour. "Four years ago at the state fair only 17 animals were exhibited by club members. Four of these animals were registered. This year they exhibited 200 registered animals in a marked degree."

Portland clubs were financially successful in a marked degree.

18 Picture Reviews

TODAY'S FILM FEATURES. Columbia—Rudolph Valentino and Agnes Ayres, "The Sheik." Rivoli—Mary Pickford, "Little Lord Fauntleroy." Peoples—Maurice Tourneur's "The Follies of Paris." Manhattan—Marion Davies, "Enchantment." Liberty—"The Silent Call." Blue Moon—Betty Blythe, "The Silent Call." Star—Conway Tearle, "The Silent Call." Hippodrome—Viola Dana, "The Silent Call." Circle—William de Mille's "The Lost Romance."

Enchantment, now at the Majestic, serves as an excellent vehicle for the charms and beauty of Marion Davies. The plot is entertaining and the cast is splendid and the picture is obviously one of those in which "no expense has been spared to make the production perfect."

The presentation of "The Sleeping Beauty" by a group of the heroine's society friends forms part of the picture. The familiar fairy story is exquisitely produced, with interesting backgrounds and great attention to detail.

Marion Davies has never been more beautiful than at the temperamental little Ethel Hoyt, who plays the sleeping princess in the fairy-story picture. She wears a gorgeous gown of rhinestones and bears on a rich background of heavy satin that makes her seem a thoroughly adorable princess. Miss Davies' gowns throughout the picture are of the sort sometimes called "dream" ones for her daughter. He asks his friend, Ernest Edisson, who played Petruchio, to tame Ethel.

Edison accepts and finds that he has a difficult task. Of course he falls in love with Ethel, but she will have nothing to do with him. Ethel is asked to portray the princess in a society woman's presentation of "The Sleeping Beauty" and Edisson plays the prince. When she comes to awaken the sleeping princess.

Following is the cast chosen for the special comedy to be directed by James Cruze. "Is Matrimony a Failure?" T. Roy Barnes, Walter Hiers, John G. A. Brown, Lewis J. Allen, Leighton, Adolph Menjou, Lois Wilson, Otis Harlan, Arthur Hoyt, ZaSu Pitts, Sylvia Ashton, Charles Osgood, Ethel Wales and Bill Godder.

William de Mille, who went to New York several weeks ago to confer with Clara Beranger on his next production, has returned to California and will at once prepare to put the new picture into production. Agnes Ayres and Jack Holt will play the leading roles.

It is just one visit to the dressmaker's after another for Gloria Swanson these days in preparation for her coming picture, "Beyond the Rocks," by Elinor Glyn, which is "The Great Moment," one of Miss Swanson's recent successes. In her new picture the star will wear some of the most striking gowns of her screen career.

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GRAINS EXPECTED TO BE IN SHORT SUPPLY THIS WINTER

Need of Reseeding in Spring Is Predicted.

EXPERTS GIVE ADVICE

Agricultural College Advises Use of Wheat Like That Sowed in Autumn.

The best results in berry growing call for the application of the equivalent of 30 tons of barnyard manure a year, says the chief of horticulture at the experiment station. The fertilizer must be used if the Oregon berry crop is to be a profitable one. Commercial fertilizers are best mixed in order to be in readiness for application when the spring work begins. Moderation in application of nitrates is essential to avoid undue tenderness in the canes.

The best developed ears of sweet corn should be saved for sowing next spring. It is suggested that growers themselves. This corn will constitute the breeding stock from which the best selection is made each year. Ears slightly inferior to the best ones can be used for growing the general crop. Thus by keeping a special seed plot the value of the strain will be maintained and improved. Seeds sown in Portland Market sweet corn should be about eight inches long, 12 row d, grains in straight rows and well compactly arranged, and with butt and tip ends square and well filled. Golden Bantam ears should be six inches long, 10 to 12 rows, well shaped and good golden color.

In feeding grain to hens during the winter months of the winter season the best feed is in the morning and two-thirds at night. Be careful not to over feed as the layers must be kept young. When they are old signs of not being hungry cut down on the amount.

Full freshening cows yield from 10 to 20 per cent more milk during the year than those freshening in the spring, and their greatest yield comes as the season when prices are highest, which makes this a profitable dairy practice. Breed cows as far as practicable in December, January and February and freshening in September, October and November.

Fruit trees may be planted in western Oregon from now on whenever soil and weather conditions permit. Obtain well matured trees and then prune the roots carefully before setting to make smooth cuts that will heal over quickly. Watch the roots for signs of rot. The soil should be shown signs of woolly aphid, crown gall or mushroom root rot. Winter setting allows the trees to get well established before their spring growth and brings the work at a time when labor is abundant.

Because of the low price of grain and the strong demand for hogs, it is reasonable to expect history to repeat itself in the future. There will be many sows bred that the supply will exceed the demand in a couple of years. The safe hog production program is one based on the production with other industries on the farm. A few sows maintained year in and year out will be a source of profit on practically every farm.

BUREAU TO SEEK MEMBERS

Plans Made to Enlist Majority of Farmers in Organization.

Plans for a state-wide membership drive to line up the majority of the farmers in the ranks of the organization were discussed at a meeting of the executive committee of the Oregon farm bureau, held in Portland Saturday.

The various activities outlined in the programme adopted at the annual meeting of the bureau recently were placed in charge of different members of the bureau. Y. H. Smith, establishment of state farm bureau paper, J. C. Leedy, membership increase, Frank McKennon, public land and irrigation problems, Y. H. Smith, drainage, V. H. Smith, legislation, J. C. Leedy, study of agriculture and home economics, Y. H. Smith, Mansfield, co-operation with biological survey, Frank McKennon, assistance to state cooperative organizations, J. A. Mansfield, making investigations, E. C. Brown, co-operation with the university, Y. H. Smith, creation in the city mind a better conception of the farmer's relationship with the country, Y. H. Smith, economic structure, E. C. Brown, to foster and develop all these lines of endeavor which makes for better homes, better social and religious life, better health and better rural living in every sense, E. C. Brown.

DAIRY HERD CLUB FORMED

New Organization at Shedd Second of Kind in State.

ALBANY, Or., Dec. 4.—(Special.)—A dairy herd club of this kind has been organized at Shedd by Fred N. Williamson, Linn county club leader, is the second organization of this kind in the country. The club is a branch of the Linn county club. The only other club of the kind is in Klamath county. This new club started work last week with five members. Edith Bush was elected president, Clarice McConnell vice-president and Stanley Nathaniel secretary. The club members are Harvey McConnell and Ralph Malson.

Another new club formed in Linn county is a sewing club at the Sheddville school. This club has eight members with Susan Crawford as president, and Joan Cannon, vice-president and Beryl Nordyke secretary. The Oakville Pig club has been reorganized for the coming year's work.

Yakima in Market for Cows.

CHEHALIS, Wash., Dec. 4.—(Special.)—Another carload of dairy cows from the Chehalis milk district was shipped to Yakima last night. The cows, 32 in number, were purchased by Menlo.

Yakima hay growers find themselves swamped with a surplus of several thousand carloads of alfalfa for which they are unable to find sale at remunerative prices. Accordingly they are buying milch cows and shipping them into the country to use the cheap feed direct.

Prominent Woman Ill.

WALLA WALLA, Wash., Dec. 4.—(Special.)—Mrs. S. B. L. Penrose, wife of President Penrose of Whitman college, was taken to St. Mary's hospital Saturday noon suffering with blood poisoning and is critically ill. Mrs. Penrose has not only been prominent in all civic and educational activities of the city out for the past few years but has been nationally prominent in the work of the Y. W. C. A.

Masonic Chapter Instituted.

CENTRALIA, Wash., Dec. 4.—(Special.)—Impressive ceremonies Friday night marked the institution of the newly organized Centralia chapter of Royal Arch Masons. John M. Arnold, high priest of the chapter, presided at the ceremony and installed the new officers. The ceremonies were preceded at 6:30 o'clock by a turkey supper. John A. Eaton is high priest of the new chapter, which will operate under a dispensation until next May, when the grand chapter meets and will be asked for a charter.

New Issue American Factors Limited

First Mortgage and Collateral Trust 7% Gold Bonds Series "A"

\$3,000,000

Dated November 15, 1921, and due November 15, 1936. Principal and semi-annual interest (May and November 15) payable in San Francisco. Coupon bonds in denominations of \$1000 and \$500. Authorized \$4,000,000. To be presently issued \$3,000,000 (Series "A"). Redeemable as a whole or in part at 102 1/2 and interest. Sinking Fund payments commence November 15, 1922.

THE BANK OF CALIFORNIA, National Association, San Francisco, Trustee

Company agrees to pay Normal Federal Income Taxes, so far as lawful, up to 2%.

A Direct Obligation of the Company Secured Five to One, by First Mortgage on Real Property and by Deposit of Stocks Representing Controlling Interests Essential to the Company's Business and Other Securities; and backed by a successful business record for over 70 years.

From a letter by Mr. A. W. T. Bottomley, President of the Company, we summarize as follows:

HISTORY OF COMPANY The American Factors Limited was incorporated in 1918 to acquire the business of H. Hackfeld & Co., a German-owned company taken over by the Alien Property Custodian. Control of stock was purchased by a number of leading business men and firms in the Hawaiian Islands, including Alexander & Baldwin, Ltd., Castle & Cook, Ltd., C. Brewer & Co., Ltd., Welch & Co., Matson Navigation Co., and Messrs. Albert and G. N. Wilcox.

EARNINGS Net earnings of the business after all charges, including all taxes, for 5-year period ending December 31, 1921, (three months estimated), were at the annual average rate of \$1,523,800, which is 5.44 times interest on \$4,000,000 bonds.

SECURITY Bonds are secured by a first mortgage on real property and by improvements of a valuation of \$1,447,900; by pledge of Hawaiian Sugar Corporation Stocks valued at \$6,350,660; by pledge of corporation stocks and bonds valued at \$2,115,670; by net assets not specifically pledged valued at \$5,538,638; a total portfolio value of \$15,452,768 securing \$4,000,000 bonds.

MORTGAGE PROVISIONS Sinking Fund, commencing November 15, 1922, will retire annually 6 1/2% of largest amount par value of bonds at any one time outstanding. This will extinguish the entire debt in fifteen years.

The legal issuance of these bonds and all legal matters pertaining thereto will be subject to the approval of Messrs. Pillsbury, Madison & Sutro, San Francisco.

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Statements contained herein are obtained from official or other reliable sources and while not guaranteed are believed to be accurate.

CERTIFIED POTATOES WANTED Demand for Dependable Seed is Steadily Growing.

OLYMPIA, Wash., Dec. 4.—Applications for seed potato certification this year totalled 393 acres as compared with 218 acres last year, according to F. H. Glyod, supervisor in the department of agriculture. The increased acreage is said to be due largely to the demand shown for certified stock last season when growers received from 50 to 100 per cent above the market price for certified potatoes.

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A school for the purpose of training you in thirteen weeks has been established at Macon, Ga., in connection with the Georgia-Alabama Business College. This paper is interested in the school because it sees the great need for the graduates. Employment at unusually high pay is assured at once if you join the school and work faithfully to perform the tasks assigned to you.

Letters and telegrams are received daily, from all parts of the nation, begging the school for operators.

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