

EFFICIENT MARKETING

PUBLIC TAKING NEW VIEW ABOUT CROP MARKETING

By R. C. Stewart. Now is the time to look over the records of the past year, to figure up the crop production, to find the profits and losses and to lay plans for the coming year.

Farm crops and farm profits have not been unusually large during the past year. The producer was forced to gamble at both the farming and marketing ends of the industry.

Producers are finding it profitable to combine their forces and they should stand a better chance when they play the marketing game and have more cash when they settle with the banker.

The importance of the marketing part of farming is beginning to be recognized. Special markets can take but a small part of the farm commodities.

Through cooperation with his fellow producers he gains the power to demand justice. As a part of a group, he is in a position to go out and make his own market.

By individual effort the farmer can grow a crop, take it to market and receive what he is entitled to. But by collective effort, he can grow a crop with the assurance that when it is ready for the market he will be able to receive what he is entitled to.

In planning for the new year many will take into account the opportunities offered to those who help themselves and help their neighbors by working together.

WESTERN BULL WINS

Hereford bull, Panama 110th, a Montana animal, that won senior and grand champion at the Chicago livestock show.

NORTHWEST WINS HONOR AT SHOW

Chicago, Dec. 30.—The Northwest as a "natural cattle country" and here as America's premier beef breeder won new recognition at the International Live Stock Exposition in Chicago recently when a Montana bull, "Panama 110th," won grand champion ship honors in competition with the best bred animals from all over the world.

Andrew J. Mettler of Menno, S. D., won the sterling silver cup offered by the Institute of American Meat Packers for the best bred carload of Hereford cattle. His winning loss was sired by a Panama bull from the Cook herd.

"I believe commercial cattle producers should use the best Hereford bulls they can afford and grade up their cow herds to the highest possible degree," says Cook. "Quality beef is the only kind that is showing a profit to the producer today, and it will be the producer's main asset who will continue to make profits in the future."

IRRIGATION MAKES GREAT PROGRESS

Great progress has been made in the art of irrigation since the first crude works built 60 years ago, according to the annual report of the bureau of public roads, United States department of agriculture. In 1920 the area irrigated in the United States amounted to approximately 10,000,000 acres and the annual gross returns from irrigated lands is now nearly half a billion dollars.

In the task of converting so large an extent of arid lands into highly productive fields, irrigation has rendered substantial aid. Methods of applying water to land have been studied in the principal irrigation systems. Investigations have also been made of the rise of alkali and the capacities of drainage ditches and tiles.

Jersey Breeders Form Association, Plan 'Dairy Week'

Freewater, Dec. 30.—The dairymen of this county will be busy next week at the Ferndale Hall for the purpose of advancing the breeding of Jersey stock in this section. Dr. E. B. Simms of O. A. C. and H. A. Matheson of Salt Lake City, both of the dairy division of the agricultural department addressed the meeting.

At the meeting of the county agents, a motion supporting the county commission and recommending that the position of county agricultural agent and soils investigation work be left in the hands of the county agent. This action virtually amounted to the consolidation of the two offices.

MUCH LIVESTOCK DISEASES EPIDEMICS

Few people realize that the livestock industry of this state suffers annual losses equal to twice the taxable valuation of some of Oregon's counties, yet this is true if the estimates of the state sanitary board and its representatives can be relied upon, writes a recent issue of the Journal.

Every year a severe outbreak of some disease, and sometimes more than one, decimates the herds and flocks of the Northwest. The "malignant disease" which attacked the horses, the sheep scab, the black leg in the range herds, tuberculosis and infectious abortion in dairy herds, have been largely responsible for these losses.

This season Herminston has had an attack of hog cholera which has practically wiped out some of the best herds in Umatilla county. Two men alone have lost not less than \$7000. Had it not been for the strenuous efforts put forth by the state sanitary board and the agricultural colleges, this disease would certainly have become widespread.

The losses in this state and district through livestock diseases are so severe as to cause great discouragement of many dairymen. Several parties are known who have lost nearly \$1000 a season, and some who have lost several thousand dollars through the disease. Largely through the efforts of Dr. B. T. Sims of the Agricultural college, control measures are being put in place which it is hoped will eliminate this trouble.

The severe losses suffered by Herminston breeders have caused them to ask the coming legislature for the continuance of the good work which is now being done by Dr. Sims, and in spite of the fact that this is a year of tax reduction, the legislature is necessary to continue this work should be provided.

Minna started test as a junior 3 year old and in one year produced 8223 pounds of milk and 65.22 pounds of butterfat. In the second year she produced more than 50 pounds of butterfat.

Valentine's Ashburn Baronet, A. J. C. V. gold and silver medalist, has two daughters to date. Minna of Ashburn was her dam. This cow was sired by G. A. Chief of Ashburn, he a sire of gold and silver medal bull, Golden Glow's Chief. Minna of Ashburn, has two creditable registers of merit records as follows: 408.40 pounds of milk and 14.48 pounds of butterfat at 1 year and 11 months and 627.70 pounds at 7 years.

Holstein's Milk Records and Feed Burn; Contest Off

Stanhope Belle Johanna, who has made Holstein history in Oregon, will be unable to carry on with her second year of production. Her feed, her barn and her December milk record were burned on Christmas evening.

A fire starting in the hay loft completely tipped over the barn and the cow house. The fire spread to the other animals were saved. One registered bull and a heifer calf were burned and the heifer calf was badly burned on the back, but it is thought will recover. Stanhope would have finished her first six months record with her first year of production. She has given approximately 18,000 pounds of milk. S. E. Hodgson, who has assisted Mullenhoff throughout the year, vice president of the association, preparing the feed ration, says that it will be impossible for Stanhope's manager to carry on her test to completion.

Directors of Farm Bureau Formulate Next Year's Plans

The directors of the Oregon Farm Bureau federation were in session at their office at 211 Westpark building on Friday, December 29, formulating plans for carrying out their organization campaign for 1923 for orderly marketing of agricultural products. Members present expressed their intention to heartily cooperate with the marketing program of the Portland Chamber of Commerce and expressed themselves as confident that the association will be able to carry out its program.

Berry Growers of Chehalis to Join N. P. Association

Chehalis, Wash., Dec. 30.—At the meeting of the berry growers in this section which was held in the Chehalis Citizens' club rooms on Wednesday afternoon, it was decided that the growers shall become members of the National Pulp and Berry Growers' association. They had with them at this time Karl Kallgren, organizing manager of the association, who gave an address on the benefits of the association. He has signed a number of the local growers and will return in a few days after more members. The temporary committee in charge that will look after the affairs of the organization is L. G. Coyne, T. P. Enively, Henry Olson, M. Stine and E. J. Johnson. The berries were in hope up of local branches and the purpose is to market the berry output of the state in a more satisfactory manner.

TO FIRE STUMPS. Molalla, Dec. 30.—A demonstration of clearing big stump land at the S. A. Cordill farm by the Oregon Extension service, will be held January 5. The Zysset blasting and pulling method will be used. The Zysset method is the only one known for the period of six years by the Oregon Agricultural college and has been a successful method in quickly firing the stump stumps. The trees were cut down by 4500 people.

BURNING WILL BE SPREAD TO FACTORIES

Big stumps must be more economically removed. It is even more important that the roots of such stumps be eliminated from the cultivated depth of farm lands. Land clearing operations are progressing too slowly under the high cost of present better known methods.

The Zysset method of clearing big-stump lands has been investigated for six years by the Oregon Agricultural college, with time and cost studies made thereon. It has been found that this method is successful in quickly firing the stump with a fire that will, when properly managed, satisfactorily consume the stump and roots. Any response to system must remove the roots from the plowing depth. The Zysset device is simple and durable.

To show these burners in operation on real stump land in Clatsop county big demonstrations will be held, writes W. A. Holt, county agent. January 6 there will be a complete exhibit of land clearing at the S. A. Cordill farm, one mile west of Molalla. The program will begin at 11 o'clock with an indoor show of lantern slides on the discussion of the burner by George W. Kable, extension specialist from O. A. C. This part of the program will be held in the evening for proper understanding of the actual field demonstration and should not be missed.

At noon there will be a hot lunch, after which will be shown the actual clearing in the stump patch. Five batteries of burners will begin operations and the actual clearing will be on. Those attending will have an opportunity to see all phases of the Zysset method. Arrangements are being made to show the use of pullers and blasting powder.

January 13 a similar demonstration will be held at the west end of Berlin, the exact place to be announced soon. For further information in this connection interested persons may address the county agent at Oregon City.

FOOD PRODUCTS CHECK UP ON'S MIT

Hillsboro, Dec. 30.—A summary of the last two years' efforts at onion smut control in Washington county by County Agent O. T. McWhorter shows that in 1921 an increase of 216 sacks of onions per acre was obtained where the rows were sprayed with formaldehyde at seeding time on an onion farm in the Kinton community. A repetition of the tests this season on the same farm, under the same conditions, showed an increase of 160 sacks per acre on the treated plots and nine sacks per acre on the untreated areas, making an increase of 175 sacks per acre for the year and an increase of 227.70 pounds at 7 years.

The services of H. P. Bars, plant pathologist, Oregon Agricultural College Experiment station, were secured to inspect this year's work.

A grover in the Sherwood locality obtained an average increase of 79.1 sacks per acre. Two growers at Tullahoma increased their yields 30 sacks per acre, and one grower at Tualatin approximates his increase through the use of formaldehyde at 100 per cent for this year.

A solution of one ounce of formaldehyde to one gallon of water is distributed through a 5-16 inch opening in the rows at seeding time. The rows are attached to the planter which carries the solution.

Onion smut is somewhat serious on the rows at seeding time. Every grower is spreading it. It is not at all improbable that the formaldehyde treatment, which has proven so successful the last two years, may be the means through which the onion growing industry will be saved to Washington county, concludes the county agent.

TREATMENT KEEPS MOLD OFF BUTTER

The growth of mold on butter in tubs is a cause of great annoyance to dealers and a common source of loss. The tubs are treated with a treatment designed to do away with this trouble have been devised by various people, and these have been carefully studied and tested by the extension agent of agriculture. The treatment that has been found most successful consists in soaking the tubs in cold water for 24 hours, then treating with live steam, paraffining the inner surface, and then rubbing over the paraffin with salt. In addition, the tubs are treated with a solution of 30 minutes in a saturated solution of boiling brine. Under the supervision of the department several million pounds of butter have been packed in tubs and the results in this manner and no cases of mold have been reported.

A number of methods of treating tubs for mold have been tried out in comparison with the one just described, but no other has been equally successful. Some tubs and liners were merely soaked in cold water, and in the case of the tubs treated with formaldehyde, the mold was not removed.

REPRESENT O. A. C. Oregon Agricultural College, Corvallis, Dec. 30.—Dr. William Wagner, extension agent of the Oregon Agricultural college, who works as horticulturist at the Oregon experiment station is credited with doing much for the horticultural interests of the county. He is president of the Oregon Association for Advancement of Science, now in session at Cambridge, Mass.

MAY W. OLLIE HOMESTEAD

Holstein cow who, on December 15, completed a year's semi-official test which places her as world record butter producer.

HOLSTEIN HOLDS OREGON BOY WINS AMERICAN RECORD TRAPPER'S PRIZE

A record of 366-pocket gophers and 96 moles caught in 11 months ending in November, obtained for Roy Hansen, an Oregon boy, winner of \$25. Another boy, Ferdinand Boyer, caught 220 moles and received a second prize of \$15. These boys were taking part in a contest organized in Tillamook county, Ore., to eradicate these pests. The county was divided into three districts and prizes amounting to \$50 were offered to the boys and girls.

Pocket gophers are very unevenly distributed in Tillamook county, and the boys working in certain territories were limited by the mountainous nature of the country, so that it required fully as much effort to get the 145 moles which won the first prize in the north end, as it took for the big catches in the open Tillamook valley.

The only condition of the contest was that prize winners should turn in at least 100 skins of 1922 mole skins and 524 pocket gopher skins, or 2409 skins altogether, were turned in to the county agent's office according to the report received by the representative of the biological survey of the United States department of agriculture, who was in charge of the contest. In addition to the prizes, the 1800 mole skins will be sold and the money returned to the young trappers.

FOOD PRODUCTS OUT PUT IS HEAVY

To emphasize the need of food control laws, the United States department of agriculture calls attention to the great growth of food preparation in factories. Not many decades ago much of the food consumed was prepared in the home or obtained in the immediate neighborhood, and since the consumer knew about the conditions of its preparation there was little need of government control.

The great volume of commerce in food is indicated in the last census reports for 1919, which shows that the food manufacturing industry as a whole is more than four times larger in value than the next largest manufacturing industry, which is iron and steel. Meat packing alone represents a greater value. The total value of manufactured food products for 1919 was \$13,851,914,000, while automobiles produced in the same year were valued at \$2,327,000,000, and a similar list of \$1,149,860,000, clothing at \$2,343,194,000, and foundry and machine shop products at \$2,321,129,000.

POULTRY NOTES

One egg now is worth two in the spring, says the O. A. C. experiment station. It is important that the birds be kept in good health during the winter. A little extra grain in a trough an hour after the regular grain feeding at night will help to obtain the best results during the cold weather and heavy production when the birds are molting and resting.

Purchasing baby chicks from a reliable breeder is one of the cheapest and best ways of getting started in the poultry business. Of course one should have adequate brooders and houses before starting. It is a knowledge of brooding in order that normal, well grown pullets be made ready for the laying house, is the key to success.

Professor Buchanan, Washington state poultry extension specialist, has decided that any hen which lays less than 120 eggs a year is a cull and should be taken off the nest, fattened and made into a chicken pie. In this country it is interesting to note the average United States hen lays less than half the number fixed by the Washington authorities. The difference between scrub and thoroughbred, Pacific poultrymen evidently have high ideals of production.

THOMAS F. MURPHINE of Seattle announces his withdrawal as a candidate for speaker of the house in the legislative assembly. He is the brother of J. H. Murphine, who is the only candidate.

WOOL GROWERS PLEASED BY WORK

The 15 directors of the Pacific Co-operative Wool Growers' on December 21 completed a two-day meeting at the offices of the association in Portland. They expressed themselves as highly satisfied with the result of the year's business. The association has handled over \$400,000 worth of wool and mohair, and prices received by members have been several cents per pound above the prices obtainable outside the association at shearing time.

The directors attended luncheon at the Portland Chamber of Commerce on Wednesday and were addressed by Chas. Stewart, vice president of the Chamber, and by W. H. Dodson, general manager of the chamber. Speeches were also made by directors in attendance: George C. W. Poland, Shedd; Claude Stuchman, Corvallis; J. R. Coleman, Oregun; F. DeFord, Central Point; E. H. Warner, Warrenton; J. W. Smith, Becksley, Dixonville; J. W. Smith, Aurora; J. B. Cornett, Shedd; A. B. Flint, Beaverton.

The wool growers board passed resolutions endorsing and approving the Portland Chamber of Commerce program for state development and cooperative marketing.

Cattle Testing in Lane Successful

Eugene, Dec. 30.—More than 15,000 head of cattle have been tested for tuberculosis in Lane county and a successful squirrel poison campaign of the estimated value of \$45,000 was conducted in 1922, according to the completed report of Ira P. Whitney, county agricultural agent to the United States department of agriculture. The report also shows that the county has 15,000 head of cattle along agricultural lines and the results obtained during the year.

In the testing of 10,026 animals, 97 were found to react to the T. B. test.

TO HOLD DEMONSTRATION. Medford, Dec. 30.—A pruning demonstration will be held at the Green orchard near Talent on Wednesday, January 3, to be conducted by County Agent Gate and County Fruit Inspector Howard Warner and Elmer J. Oatman. It had been erroneously announced previously that this demonstration was to be held December 31.

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POULTRY NOTES

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Jersey Breeders Form Association, Plan 'Dairy Week' OFFICES CONSOLIDATED Wenatchee, Wash., Dec. 30.—The soils investigation office and county agent's office have been consolidated as a result of action taken at a meeting held at the courthouse. Roy Larson, former county agent, has accepted the position of the county agent and the soils investigation work be left in the hands of the county agent. This action virtually amounted to the consolidation of the two offices. COUNTY HOME AGENT Medford, Dec. 30.—Miss Grayce Welch, a graduate at Iowa college, Arroyo, Iowa, who has recently completed a special course at O. A. C., will succeed Miss Florence Pool resigned, as county home demonstration agent in Medford. Miss Pool has been concentrating for six years.

Valley View Land Tillers Form New Farm Bureau Unit Medford, Dec. 30.—The farmers of Valley View, east of Talent, have organized a community unit of the county farm bureau, this being the first community in Jackson county to organize under the plan adopted by the state farm bureau federation. One of the principal matters pending for the attention of this unit is irrigation. Meetings are planned for the last Saturday of each month. Each member pledges his support to the farm bureau for the coming year. Officers elected were J. R. McCracken, president; J. D. Lowe, vice president; H. R. Reacher, secretary-treasurer.

County Agent Need Of Marion Bureau Salem, Dec. 30.—Demand for a county agent in Marion county was voted by the Marion County Farm Bureau in session here. The bureau, which has 700 members in the county, is said to be actively back of the move for a county agent.

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