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ANNUAL MEETING OF THE GROWERS The Cooperative Association Had a Big Year's Business--The Directors At the annual meeting of the Oregon Growers Cooperative association, held at the headquarters office in Salem on Tuesday April 25, the members and directors heard the reports of the progress made by the several departments during the past year.

tween \$1,900,000 and \$2,000,000. Contrary to many reports that have been circulating, it was stated that the overhead of the organization would be not over 6 per cent. The financial outlook for the association is very bright, it was stated. The dried fruit sales department, of which J. M. Clifford is the head, sold approximately 7,250,000 pounds of dried prunes. Of this amount over 70 per cent were of the 20-40 grade or larger. The total walnut tonnage handled by the association amounted to nearly 100,000 pounds, which were sold at a price two cents higher than California nuts. Over 64,000 pounds of dried loganberries were also handled by the association.

manager and head of the fresh fruit sales department, in his report stated that a large tonnage of Bartlett pears were sold for \$65 per ton for No. 1's, and \$35 per ton for No. 2's. A considerable quantity was canned, due to a fluctuation in the market, which made this advisable. Only a light tonnage of fall pears were handled, bringing from 90c to \$3.23 per box. The apple sales totaled over 200 cars; with domestic sales averaging about \$1000 per car, including all grades, packs and sizes. The board of 21 directors met on Wednesday and elected their officers as follows: Kenneth Miller, Sheridan, president; P. S. Woodin, Grants Pass, first vice president; Allan Bellinger, Scotts Mills, second vice president. An executive committee was chosen from the board. Those elected are Kenneth Miller, ex-officio; Allan Bellinger, G. E. Sanders, The Dalles; W. B. Biddle, Medford; R. W. Hinkley, Roseburg.

GOING AFTER THE THIRPS HOT FOOT Must "Get" the Pesky Bug, or He Will Get Pears, Prunes and Cherries The Statesman of yesterday contained the news that on a recent inspection tour, Prof. A. L. Lovett, entomologist of Oregon Agricultural college, Earl Pearcey of the Oregon Growers Cooperative association, and S. H. Van Trump, county fruit inspector, found "prune or pear thrips on cherries, pears and prunes in this district. The warm weather following the prolonged cold snap has brought the thrips out, but not in excessive numbers. Growers are advised by Professor Lovett to undertake the regular thrip spray program. To be effective the first spray should be applied at once. This consists of miscible oil four gallons, black leaf "40" three-fourths pint to 100 gallons of water.

all those specimens showing physical deformities that are ineradicable--these birds can often be allowed to develop for table purposes until size has been attained. In all flocks, there are here and there, birds that are not well born, or they may have suffered neglect to such an extent as to be practically worthless; these had better be destroyed. From a show-room standpoint there will always be specimens possessing disqualifying faults. If there is room, these can be grown for either eggs or carcass, though they may possess little or no value in the breeding pen. At best, their presence is only tolerable so long as they show possible returns for feed and care. Culling for egg production demands some skill and knowledge of the bird's anatomy and physical conditions. In the adjustment of a flock of prolific fowl dispose of those specimens that are backward in development and evince a want of vitality, but keep the pullets that lay rather early and are robust and active. In the case of hens keep a late moult. Birds that show well-formed plump combs and wattles are good to keep, likewise those with pale vents, beaks and legs. The skin of good layers is rather loose and flabby on the abdomen and between the breastbone and vent. Pelvic bones of producers should be thin, straight, flexible and wide apart. Obviously the active and vigorous that are good feeders and roost with full crops are also good growers of hen fruit, while those with long toenails, which is an evidence of inactivity, should be eliminated. As already said, culling down a flock for high production is not only an important operation, but one that requires some knowledge and skill; for this reason it should be done by persons possessing the necessary qualifications to do it right, or else good birds may be discarded and poor ones given unmerited distinction, which would negate the object in either case.

A GOOD WHITEWASH FOR THE BUILDING It Is Good for the Poultry Houses and the General Farm Surfaces, Too A correspondent writes for the "government recipe" for whitewash; or, in case that is not handy available, for a formula that will "stick." Now that the winter rains are over is a good time to give the poultry premises a "going over" with a good whitewash. Here is the "government recipe" which will be found to wear well, provided it is properly prepared and applied: Half a bushel of unslaked lime; slake with warm water, covering it during the process to keep the steam; strain the liquid through a fine sieve or strainer; add a peck of salt, previously well dissolved in warm water; three pounds of ground rice, boiled to a thin paste and stirred in boiling hot; half a pound of powdered Spanish whiting and a pound of glue which has been previously dissolved over a slow fire; add five gallons hot water to the mixture, stir well, and let stand for a few days, covered so as to protect it from dirt. It should be applied hot. One pint will cover a square yard when properly applied. Small brushes are best. It is fine for both inside and outside work. As will be noticed this recipe calls for a permanent coating, and hence may be rather expensive for ordinary uses on the farm. In the interests of economy in cost, preparation and application the following recipes from Farmers' Bulletin No. 474, U. S. department of agriculture, will be found serviceable: (1) Slack 62 pounds (1 bushel) of quicklime with 15 gallons of water. Keep barrel covered until steam ceases to rise. Stir occasionally to prevent scorching. (2) Two and one-half pounds rye flour. Beat up in one-half gallon cold water then add two gallons boiling water. (3) Two and one-half pounds common rock salt dissolved in two and one-half gallons hot water. Mix (2) and (3) pour (1) and stir till thoroughly mixed. All these are serviceable for interior work--walls, ceilings, etc. For exterior purposes, such as poultry houses, barns, fences, etc., the following can be recommended: (1) Sixty-two pounds (1 bushel) of quicklime. Slack with 12 gallons of hot water. (2) Two pounds common table salt, one pound sulphate of zinc, dissolve in two gallons of boiling water. (3) Two gallons of skim milk. Pour (2) into (1), then add (3), and mix thoroughly. A pound of cheap bar soap dissolved in a gallon of boiling water and added to about five gallons of thick whitewash will give it a gloss like that of oil paint. Whitewash not only adds to the appearance of the farm, affording a suggestion of thrift and prosperity, but it is also a purifier and a destructive agent to lice and mites and the germs of disease, all of which find lodgment (more or less) in crevices and cracks of woodwork.

space. Better results will be obtained from a few hens in a small space than from a large number. The backyard poultry flock usually consists of a dozen laying hens and rarely has over 25 hens. For a flock of this size, a space of not less than 25 by 30 feet must be provided. Where less space is available, the size of the flock should be reduced, allowing on the average 20 to 30 square feet per bird. A few hens may be successfully kept on a smaller space, but the large area is advisable. Clean Yard Important Cleanliness is imperative in both the small and large poultry yards. Poultry in back yards leave so much droppings on the land they occupy that unless the droppings are removed frequently, the soil becomes foul and disease is liable to attack the flock. The poultry keeper must take as much pains to keep his yard sanitary as to keep the floor and roosting places of his poultry yards clean. Measures to prevent the occurrence of lice and mites should always be followed systematically and thoroughly in backyard poultry keeping. Sometimes these parasites get such a start that they are extremely hard to eradicate. Observe cleanliness and prevent the appearance of these pests.

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A PREACHER WHO IS A GOOD FARMER Raises Apricots and Makes Records With His Pure Bred Holstein Cows One of the profitable as well as interesting little ranches of Riverside county, Cal., is situated near Hemet and is conducted by the Rev. N. L. Browning, minister of the local Christian church. There are only five acres in the farm. Four of these are planted to apricots and from them a crop of twenty-eight tons was harvested, last year. The other acre is well taken care of and supplies the minister's table with many kinds of vegetables. Numerous friends are also remembered from the products of this garden. Mr. Browning is very much interested in Holstein cows and when in 1919 the Riverside County Farm bureau shipped in five carloads of cattle, Holsteins from Wisconsin and Jerseys from Texas, he purchased two of the pure-bred Holstein cows, Bess Hartog Pieterje De Kol and Segis De Kol Bess. The latter has led the Riverside County Cow Testing association in production several times, and is also the dam of a fine young bull that was recently sold to Riverside county. As a five-year-old, her seven-day record is 558.4 pounds of milk and 31.645 pounds of butter. Bess Hartog Pieterje De Kol has a record at three and one-half years of 484 pounds of milk and thirty-one pounds of butter. She is the dam of two very promising heifer calves. Mrs. Browning is as interested in these cows as is Mr. Browning and during the last test of Segis De Kol Bess when Mr. Browning had smashed a finger and could not milk, she courageously volunteered to do the milking for the balance of the test. The Brownings are members of the California Growers' association and Mr. Browning is secretary of the Hemet Valley Holstein Breeders' association and is doing a fine missionary work in that valley for the breed.

PROFITS IN THE POULTRY FIELD The Danger Line Is About a Dollar Net Per Capita, Says This Authority The following is from the Farm and Tractor section of the Los Angeles Times: Last week, in answering a correspondent, reference was made to the net income necessary per hen per year in order to make poultry profitable. The proposition was advanced that the danger line was about \$1 net per capita. For medium sized flocks this is hardly enough to make them a good investment, though it may afford a mere living wage. Of course, it's all in the man behind the poultry gun. If one is a good business executive and knows the how of management, the income ought to be double this amount. In a recent survey made by Prof. Dougherty, head of the poultry division in the agricultural college at Berkeley, covering four successful poultry farms, the first averaged 176 eggs per hen and gave a net profit on each hen of \$4.43 for the year 1919; the second, with an average yield per hen of 143 eggs, netted only \$1.30; the third had an average production of 140 eggs, and made a profit of \$2.08; the fourth received 129 eggs per hen and made a profit of \$2.12. These farms were all in the same county and had equally favorable locations. Each was a 1000-hen farm and all costs, including interest on investment, taxes, fire insurance, hired labor, etc., were included in the expense when figuring net profit. How often it is that "unthinkable" things happen in this weary world.

THE CULLING OF FLOCK IMPORTANT For Egg Production This Demands Some Skill and Also Some Knowledge Culling out the flock and eliminating the drones has of late years become almost an art, subject to the operation of experienced hands rather than the efforts of the novice. This applies to productive grounds quite as much as to breeding and exhibition purposes. Paying results are only possible with fowl that are more than average producers or which possess superior value as breeders and show room specimens. In brief, the modern bird must be up in standard qualifications as well as egg production. The strong demand for good layers has of late years somewhat obscured show room demands; but the breeder catering to the market for breeding and foundation stock cannot wholly avoid standard qualifications. In culling it is advisable to eliminate

Haywire Kills Cow The veterinary department recently performed an autopsy on a cow that had died suddenly, following symptoms of pneumonia. The post mortem examination disclosed a piece of baling wire that had penetrated the pericardial sack and worked into the heart muscle for more than an inch. These cases are not common and each emphasizes the fact that the utmost care should be used in cutting open bales of hay to see that no small pieces are left to get into the cow's mouth. Quite often the damage results from careless baling, allowing small pieces of wire to get in the bales. --O.A.C. Experiment station.

Loganberry Spray Control Loganberry anthracnose can be controlled by spraying with Bordeaux 4-4-50 as the leaves and shoots develop. The spray should be repeated just before blooming. --O.A.C. Experiment Station.

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DO NOT OVERSTOCK THE POULTRY YARD Also, Remember the Hen Must Have a Clean Yard In Order to Thrive Well The size of the poultry flock which can be most efficiently kept will depend first upon the space available, and second, upon the amount of table scraps. It is a "back-yard flock" it is a mistake to try to overstock the available

STUDENTS EMPLOYED YAKIMA, Wash., April 25. --High school students will be employed as enumerators in Yakima's annual school census, which begins May 1. They will work under the direction of O. P. Ramsey and H. H. Trueblood, members of the faculty.

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