

CAMAS SWALE

There were quite a number at the regular meeting of the Farmers Union held at the school house Wednesday night. Frank Jones was elected to the office of conductor. Frank Copley recently elected, having resigned. Several matters of business were attended to and a vote was cast unanimously to have supper on the fourth Wednesday in each month, which is every other meeting. It was decided to wait until next meeting to install the officers for the new year.

John Napper spent the holidays visiting at his home here. He is attending school in Portland at present.

Mr. and Mrs. John Wullschlegler entertained a number of their relatives at their home on Christmas day. Those present were Mr. and Mrs. R. V. Smith and son Bertie of Eugene, Mr. and Mrs. Willard Herman and daughter Roberta of Coburg. Mr. and Mrs. Alfred Bush and children of Lowell, Fritz Wullschlegler of Malone, Wash. Jake Wullschlegler of Creswell, Mr. and Mrs. D. M. Perry, Miss Mattie Gates, John Gates and his children, Hallie, Francis and Hazel, all of Howe Lane.

Miss Hallie Gates has been visiting the past week with her cousin, Mrs. Rachel Herman, at Coburg.

Fritz Wullschlegler of Malone, Washington, spent his Christmas vacation with relatives here.

Mr. and Mrs. J. M. Sutton and family spent Christmas at the home of their daughter, Mrs. Robert Huffman, in Pleasant Hill.

COMMISSION COMMENTS ON FINE RAILROAD SERVICE

Attention is called by the Interstate Commerce Commission, in its annual report just made public, to the efficient service rendered by the railroads during the current year and to the factors making this performance possible. The report says in part:

"Three noteworthy facts have characterized the transportation history of the current year—

"1. The unprecedented volume of traffic handled.

"2. The concurrent transformation of a car-shortage condition into one of car-surplusage.

"3. An exceptionally equitable distribution of available equipment over territory in which the large traffic movements originate.

"During the first forty-four weeks of this year, January 1 to November 3, inclusive, 42,655,661 cars were reported loaded with revenue freight, an increase over the corresponding period in 1922 of 6,455,666 cars, in 1921 of 2,087,948, and in 1920 of 4,028,110. Not only was this unprecedented tonnage handled well, but the carriers reported a surplusage as of the week ended July 14 of 84,210 railroad-owned freight cars in good repair and 11,035 cars of private ownership.

Contributing Factors "Some of the outstanding factors which have made possible this hitherto unequalled transportation performance are:

"1. The condition of power and cars.

"2. New locomotives and cars placed in service.

"3. Increases in the mileage per car per day and loading of equipment.

"For the month of September, 1923, the average mileage per freight car per day was 29.2, which is higher than the average for any month since these statistics were inaugurated six years ago. The average for August was 28.3 miles.

"The extent to which shippers have utilized the capacity of cars is reflected in the average load per car. In September this was 27.4 tons, and in July and August was 28.5 tons. With the exception of the average loading for August, 1918, 30.1 tons, and August, 1920, 29.8, the average for August this year is the greatest shown for any similar month since the records were inaugurated in 1917."

Start Stock Ranch Near Coburg

A. C. Byers, recently here from Montana, has rented a 767-acre farm near Coburg from John Flick and will start a pure-bred Polled-Hereford herd. A herd of 110 animals from Montana will be brought here for the new stock farm by Mr. Byers. It is stated. The herd contains a world's champion bull and several other high raters. It is Mr. Byers intention to supply purebred breeding stock to the northwest from the Lane county farm.

Farm Reminders

Seed for Bonny Best tomatoes—the variety of tomato usually grown for maturing a crop in May in green house hot beds—is sown about January 1. Five months are required from seeding to harvesting. Most growers use five inch pots for growing the plant in their final stages previous to transplanting to the beds. The market is strong for fancy hot-house tomatoes through May, June and July. March 15 is the best time to set the plants permanently in the beds.

GROWING CONDITIONS FOR CAULIFLOWER DISCUSSED

Cauliflower is one of the most sensitive vegetables to unfavorable growing conditions and the better it is understood the better the results will be.

The soil is the most important factor in raising the plant. When the soil is in a rich sandy condition, full of humus or organic matter, it will naturally produce a fine large plant which is usually responsible for a good head. Cauliflower requires an unusual amount of soil moisture and responds best where it is possible to irrigate during the dry summer period.

The best seeds are imported from Europe. The cheap seed is worthless, and a good uniform field of first grade heads can come only from a high grade seed strain. This produces a large, solid, white head on a short stem, on which the leaves of the head fold closely about, thus protecting it from weather conditions before marketing.

Cultivation is necessary to keep the ground from losing moisture during the growing season. At intervals of 10 days from the time the plant is planted it is carefully cultivated until the growing season is over. Where irrigation is practiced water is applied often enough to keep a uniform amount of moisture in the soil, thus insuring a steady growth of the plant.

The best way to do this is to run the water between the rows rather than to use the overhead sprinkling system.

ICE SUPPLY NECESSARY FOR GOOD MILK

In the production and marketing of high-quality milk and cream a supply of ice on the farm is almost a necessity.

sity, says the United States Department of Agriculture. Proper cooling and cold storage is said to be the greatest single factor influencing the bacterial content of milk from the time it leaves the cow until it reaches the consumer.

The department says that farmers should, if possible, put up at least 1 1/2 tons of ice in the North and 2 tons in the South, for every cow in the milking herd. This will provide for cooling the milk, allow for melting, and provide a little surplus for household use. In late fall and early winter when work is not pressing on the farm, a little time spent in anticipation of the ice harvest will pay good returns. During this season old ice houses may be repaired and all the necessary equipment for harvesting ice provided.

Farm Surplus Largely Fruits

Wheat, dairy products, beef, pork, sugar and corn furnish 89 per cent of the calories, and a like amount of the fat, carbohydrates and protein that enter into the nation's food supply. That fact has a relation to the future of Oregon's agriculture because the large surplus of Oregon's agricultural products are found in fruits and berries.

This and similar factors that influence the growing and marketing of farm products in this state will be considered at the agricultural economic conference to be held at the Oregon Agricultural college January 23 to 25.

Kittenish

"Those firemen must be a frivolous set," commented Mrs. Dumpling.

"Why" asked her overworked hairdresser.

"I read in the paper after the blaze was under control, firemen played all night on the ruins. Why didn't they go to bed like sensible folks instead of romping around like cats?"—American Legion Weekly.

PLENTY BACON AVAILABLE USE IN MANY GOOD WAYS

Bacon can be used in many ways besides serving it on the breakfast table, we are reminded by the United States Department of Agriculture. There is just now an abundance of excellent bacon to be had at a moderate price, and the housekeeper who wishes to feed her family well at small cost should look into the possibility of utilizing bacon in more ways than heretofore. For example, in many families the school children, and often older members of the household, carry sandwiches. Bacon can be put in these sandwiches, either by itself or in combination with other meat, lettuce and salad dressing, such as one finds in a club sandwich. Either bread or toast may be used. Cottage or cream cheese with bacon makes a good sandwich. Bacon can be cooked and served with greens and beans, and used to garnish and give flavor to many vegetable, poultry, and meat dishes. A small piece makes any soup tastier. Club sandwiches containing bacon and various combinations of other ingredients make the ideal Sunday night supper, because they are easy to prepare and serve. They are equally good for the late after-theatre party or for evening guests when one is entertaining. Bacon with eggs, scrambled or fried, is hearty enough for a dinner dish occasionally. The point is that by using bacon frequently the housewife adds greatly to the flavor and interest of the food she serves.

EIGHTH GRADE EXAMINATIONS

The mid-year eighth grade examinations will be given in districts where there are pupils who have complied with the legal conditions necessary and for whom application for questions has been sent, on Thursday and Friday, January 10 and 11. E. J. MOORE, County School Superintendent

BETTER INSECTICIDES AIM OF BUREAU OF CHEMISTRY

One of the most important fields of activity of the Bureau of Chemistry of the United States Department of Agriculture is the work the bureau is doing to develop effective and cheap insecticides and fungicides for the control of insect pests. As crop production becomes more intensified new biological problems arise in the attempt to maintain an equilibrium which will be of benefit and profit to man. Some of our most acute agricultural problems originate from insect depredations or from plant diseases transmitted or stimulated by insects. The work the bureau of chemistry is doing in chemical research of insecticides and fungicides, therefore, has a tremendous economic significance. This is being recognized and is being developed and expanded as rapidly as possible.

A study is being made of foliage injury by arsenicals and other insecticides and fungicides in order to develop spray materials which, while acting in an efficient manner, may be applied to tender foliage without injuring it. Owing to the importance which calcium arsenate has assumed in the dusting of cotton for the control of the cotton boll weevil, an extensive investigation of the physical and chemical properties upon which its effectiveness depends is being made. The field work conducted at Tallulah, La., during the year has resulted in two achievements of importance—the development of a quick test for detecting high water-soluble arsenic in commercial calcium arsenate, and the discovery that the dew on cotton plants contains relatively large quantities of plant exudate, which compounds, in the presence of moisture, decompose calcium arsenate, thus affording a possible explanation of many cases of unanticipated plant injury which have been observed in the dusting of cotton.

The demand for calcium arsenate for boll weevil control has had the effect of greatly increasing the price of arsenic and arsenicals. This is now a serious matter for fruit growers and others using arsenic in some form for the control of insect pests, and it is likely to develop into a more serious one. Work is being actively prosecuted in the chemical technology of arsenical production for the purpose of discovering methods for lowering the cost of production. Some very suggestive results have already been obtained.

And No Rebate

Macpherson: "Was Sandy frightened when the plane he was riding in began to fall?"

Kilduff: "That he was! Only five of the fifteen minutes he'd paid for had elapsed." — American Legion Weekly.

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