

FARMERS' INSTITUTE SUCCESSFUL.

(Continued from page 1.)

and bought a large farm on Griffin creek, who gave his experience in raising hogs and corn. He advocated that every farmer should raise sufficient corn for his own needs, and that the crop was especially valuable in a young orchard for rotation with other crops, but as a commercial farm product it did not equal fruit and alfalfa. Hogs were profitable where the farmer had alfalfa pasture and oak hill land. By giving the hogs a good start in the fall on the alfalfa and then put them in the hills to fatten on the acorns, finishing them off on corn, pork could be produced at a profit. Mr. Boyd also spoke of the value of fertilizers and said that he allowed nothing to go to waste that would enrich the land.

Prof. F. L. Kent, dairy instructor at the Agricultural College, gave an address on "Feeding the Dairy Cow" that was highly appreciated by the dairymen present. The Professor advocated a variety of ration, green and dry, grain and grass in order to keep the cow in a healthful condition, but using as leading articles of food that stimulated milk production in the cow and not beef. He held, and Dr. Withecombe coincided, that alfalfa was the best single food yet found for the dairy cow and that with a light grain ration it was quite sufficient for a cow, though a few roots would benefit a cow in the winter months when only dry food was used. He favored ensilage as a winter food to go with hay but thought that alfalfa was not so good as corn, but that both possibly could be improved by mixing them when the silo was being filled.

"The Advantages of Soiling" was taken up by Dr. Withecombe and he gave a most instructive talk on how best the farmer can bring the productivity of his farm up to the highest point yet not destroy its fertility. He showed that it was possible by a right course of soiling to increase the fertility of all but the richest virgin land and that could be held to its richness instead of deteriorating as had been the case in the rich land of the Willamette valley, where continued planting of a single crop had almost exhausted the land, and which would be the fate of the Rogue River lands were not an intelligent system of crop rotation and fertilization carried on. A short time was devoted by Dr. Withecombe and Prof. Kent to answering questions when an adjournment was taken for the noon hour.

Notwithstanding that the rain was yet coming down in torrents that would have done credit to Puget Sound there were nearly 100 persons present at the afternoon session.

H. E. Lounsbury, traveling freight agent for the Southern Pacific gave a short but logical and interesting address on "The Union of Interests of Railroads and Farmers" in which he showed that there was a mutual dependence one on the other and that what helped or injured the one did the same to the other and that it was the fixed policy of the railroads to do all they could to advance the interests of the farmers.

GRAND RAFFLE.

A grand raffle for \$100 in gold is to take place at the Banquet saloon on the evening of December 24th. The prize will be divided, \$75 going to the winner and \$25 to the next best contestant. Tickets range from 1 cent to \$1 each. A fine turkey supper will be served after the raffle, which will be free to all.

A Costly Mistake.

Blunders are sometimes very expensive. Occasionally life itself is the price of a mistake, but you'll never be wrong if you take Dr. King's New Life Pills for Dyspepsia, Dizziness, Headache, Liver or Bowel troubles. They are gentle yet thorough. 25c, at Drug Store.

FOR THE HOLIDAYS.
New seeded Raisins, Zante Currants, Citron Mince Meat, Cranberries, New Cream Cheese. Nunan-Taylor Co.

Head About to Burst From Severe Bilious attack.

"I had a severe bilious attack and felt like my head was about to burst when I got hold of a free sample of Chamberlain's Stomach and Liver Tablets. I took a dose of them after supper and the next day felt like a new man and have been feeling happy ever since," says Mr. J. W. Smith of Juliff, Texas. For biliousness, stomach troubles and constipation these Tablets have no equal. Price 25 cents. For sale by City Drug Store.

For Rent.

Two fine store rooms, each 25x80 feet in White-Thomas brick block, Medford, Oregon. New, well-furnished rooms, with a big warehouse in the rear. Apply to White & Trowbridge.

Hon. J. W. Bailey state dairy and food commissioner, of the many advantages that would yet make Rogue River Valley one of the great dairying districts of Oregon. His address is herewith given in full.

Hon. J. H. Stewart, of Medford, the Nestor of the fruit industry in Rogue River Valley, gave a most instructive address on the possibilities of fruit raising and of the kinds of soil best adapted. To plant trees and harvest fruit was not all there was to the fruit business, but it required the application of more study and more experience than any other line of farm work and the farmer must need to use his brains if he expects to make money raising fruit. As to fruit land he held that for certain varieties of fruits that the hill lands of this Valley were even better than the low lands. The two conditions of perfect drainage and equable temperature giving the hills the decided advantage of the low lands. During the days the heat of the valleys was great while on the hills it was moderate and at night the valleys were left cold by the rising of the heat which gave a warm air to the hills.

Hon. A. H. Carson, Grants Pass, commissioner for the Third district, state board of horticulture, and the largest grape grower in Oregon, showed by figures that grape culture was profitable in Rogue River Valley and he gave very valuable information how to handle a vineyard from the planting of the vines to the marketing of the grapes. The red hill land about Jacksonville he considered ideal land for grapes and the time was not distant when these hills would be one great vineyard.

Prof. A. B. Cordley, entomologist at the Agricultural College, and who is held by the Department of Agriculture to be one of the best posted men in the United States on insect pests, gave a talk on insect life and pests. Of the 10,000,000 varieties of insects in the world only a few torment the Oregon farmer, but they make a whole hand at it and how to control them was a problem. The Professor held that when an insect becomes a pest it is proof that Nature's laws as regards that insect are out of balance and that if the other insects were present to hold it in check there would be no insect pest. He hoped to eradicate the San Jose scale from the orchards of Oregon by means of the Mongolian lady bug beetle that was supplied to him by the Department of Agriculture and which he placed in an abandoned orchard in Mr. Britt's pasture near Jacksonville, last fall. Entomologists are searching for insect enemies to all insect pests, but until they are found the orchardist must depend upon spraying and encourage the birds to help them destroy the insects.

Prof. A. L. Knisely, chemist at Agricultural College, gave a most instructive and comprehensive talk on soil chemistry and the assimilation of nitrogen by leguminous plants. Among other facts that he gave, he told how land, otherwise productive would not produce alfalfa, clover and other leguminous plants, could be made productive by inoculating the soil with soil from productive fields.

An address on "Good Roads" by W. H. Gore, manager of the Ish farm, hit the point and met the hearty approval of all present. Mr. Gore advocated the abandonment of the present system of spreading the road work over the whole county resulting in no roads being passable, and concentrating the work, beginning at the market ends of the roads and working out each year as far as the road funds permit. Gus Newbury was to have spoken on the road problem but circuit court being in session his law business prevented his being at the institute at the time this subject was under consideration.

The U. S. hall, where the institute was held, was filled to its full seating capacity for the evening session, many of the farmers remaining over to attend it and the town people were out in force. First came well sung chorus by 30 of the Jacksonville High School girls and boys under the direction of Prof. E. E. Washburn. This was followed by an address by Prof. Washburn the topic "The Coming Farmer, shall he be Educated?" which was so to the point and well stated that met hearty approval of the audience and the College professors present. It is herewith published in full.

"The Betterment of Home Life on the Farm" was the topic of an address by Mrs. J. C. Pendleton, of Table Rock. The address was finely delivered for Mrs. Pendleton has a good voice and presence and it was replete with timely suggestions for the betterment of life on the farm, all of which was made contingent on there being good roads, for without roads that were passable winter as well as summer life on the farm to the women folks was for six months in the year a hardship almost equal to imprisonment. So well did Mrs. Pendleton's address please

We experience great pleasure in extending to our patrons and friends in Jacksonville and vicinity a Merry Christmas and a Happy New Year.

IOWA LUMBER & BOX CO

Stoves

The best stock ever brought to Medford and the cheapest to be had in Jackson County for the quality is at

D. H. MILLER'S

The Pioneer Hardware Dealer.

The **Charter Oak** and the **Acorn** both both heavy steel heaters, guaranteed airtight and to last a dozen years. Sheet planished Steel Heaters of our own make, the best low-priced airtight stove on the market.

**Anything in the Hardware Line.
Mail Orders Promptly Filled.**

WHITE & TROWBRIDGE

THE BIG LAND AGENTS
MEDFORD. - OREGON

We have the largest and best list in Southern Oregon of Fruit, Alfalfa, Dairy and Stock Lands, Timber Lands, Mining Bargains and Town Property.

Dealers in

Sewing Machines, Lime, Cement and Shingles.

We buy wool and mohair.

CITY MEAT MARKET

HENRY W. ORTH, PROP

ALL KINDS OF FRESH MEATS
:: WHOLESALE and RETAIL ::

Special attention given to orders from a distance for Mining Camps and Mills. Meats shipped promptly and in first-class condition.

Subscribe for the Sentinel and Weekly Oregonian.
Good clubbing inducements offered.