

# NEWS OF FARM LIFE

GRANGES COUNTY AGENT'S REPORTS CROP NEWS DEPARTMENT OF AGRICULTURE NEWS



## MACHINERY BOON TO CORN INDUSTRY

### Modern Operations Boost Crops Twentyfold, Says Federal Expert.

Machinery development, which has enabled man to use energy supplied by animals and tractors instead of his own muscles, makes it possible for the individual farmer who a century ago could grow 5 acres of corn, to plant, cultivate and harvest 20 times as much today.

Recent investigations by the United States department of agriculture in cooperation with the Iowa experiment station show that the modern farmer expends no more time or labor in producing 5,000 bushels of corn than did the farmer of 100 years ago in producing 250 bushels.

"Primitive cultural methods used by Indians were not a great deal different from those of today," says R. B. Gray, of the bureau of agricultural engineering. "The difference is in the tools that are used."

In 1855, Mr. Gray points out, the corn farmer used a walking plow, a single section or "A" harrow, and a shovel plow for making off rows. He planted by hand, covered the seed with a hoe, cultivated with the same one-horse shovel plow, and harvested by hand. With this equipment he needed 33.6 hours of labor to grow one acre of corn.

Thirty years later the farmer had the two-bottom gang plow, the disk harrow, a two-row planter, a two-section harrow, a single-row cultivator, but still harvested by hand. With this equipment he was able to grow and harvest an acre of corn with 15.1 hours of labor.

With the all-machine age of 1930 the farmer had available a tractor, a two-bottom gang plow, 7-foot tandem disk, four-section harrow and pulverizer, two-row planter, and a two-row picker or harvester. This cut the man-labor hours to 4.3 per acre.

Further improvements in machinery within the past eight years — including four-row planters and cultivators and general purpose tractors — make it possible now to produce an acre of corn with 5 hours of labor, says Mr. Gray.

## News of 4-H CLUBS

**CORVALLIS, Ore., June 13.**—(In attendance at 4-H club Summer School.)—The Douglas county group has been particularly fortunate in the fact that there has been no sickness and no accidents. All members are well and enjoying the school to the utmost.

Douglas county day was celebrated Sunday with a picnic attended by a number of former county residents, and by visiting parents from Roseburg and Oakland. The program for the day included: piano solo, Barbara Young, Oakland; violin solo, Ray Doerner, Oakland; tap dances, Pat Hall, Stiddie, talk, "College Life," George Shambrook, Umpqua; vocal duet and pantomime, Mary Lohlb, Roseburg, and Gene Rhoades, Days Creek; piano solo, Lon Britton; violin and piano duet, Mrs. L. D. Horner and daughter, Helen, formerly of Glide. Following the picnic a picture was made of the group and refreshments were served.

The return trip will be made Friday. The group is travelling in two school buses, with a truck carrying baggage. The tentative schedule calls for departure from Corvallis at 8 a. m., arrival at Drain, 10 a. m.; Yoncalla 10:15 a. m.; Oakland, 10:45 a. m.; Sutherlin, 11 a. m.; Roseburg, 11:30 a. m.; Kelley's Knave, 12 noon; Myrtle Creek, 1:30 p. m.; Days Creek, 3 p. m.

## RECORD OUTPUT OF PEARS INDICATED

**WASHINGTON, June 13.**—(AP)—The production of pear orchards in June indicated a new production record for the second successive year.

The crop reporting board estimated that the total pear crop in the United States for 1937 was 1,220,000 bushels, or about 500,000 more than normal needs. Such a surplus would be the largest on record.

## CHERRY CROP TO BE UNDER 1937 OUTPUT

**WASHINGTON, June 13.**—(AP)—A 130,040 ton cherry crop, 14,650 tons less than last year, was indicated by June 1 conditions in the 12 commercial states.

Prospects were reported by agricultural economists to be poor in the five eastern states, except for Montana and Idaho.

## OUR BOARDING HOUSE

with Major Hoople



Heated the crop would total 29,876,000 bushels, or one per cent above last year's record and 23 per cent greater than a 10 year (1927-36) average.

Prospects were reported well above average in California, Oregon and Washington, which were expected to supply 70 per cent of the production.

## UNPRUNED BERRIES OUTYIELD OTHERS

Youngberries on the Oregon State college experimental plots that were left without any pruning other than cutting off the very smallest and weakest side shoots have out-yielded the pruned plots by about 75 per cent, Dr. W. S. Brown, head of the O. S. C. horticultural department, told some 150 western Oregon growers who attended the annual Small Fruits day at Corvallis this month.

Dr. Brown pointed out that no type of pruning or training of either youngberries or raspberries seemed to affect the vigor of the canes. The berries on the unpruned plots were but slightly smaller than those on pruned plots, he said. He also explained results of pruning demonstrations on various types of red raspberries, which have shown that while the pruning in late spring or early summer increased the yield from tall, upright varieties such as the Cuthbert and Chief, it had the opposite effect on the low, branching types, such as the Newburgh, which showed better results from early spring or late winter pruning.

## RECORD AMERICAN WHEAT CROP LOOMS

**WASHINGTON, June 13.**—(AP)—The agriculture department forecast a 1938 American wheat crop of between 1,920,000 and 1,945,000,000 bushels—the largest ever recorded.

The largest previous crop was 1,908,637,000 bushels in 1915. The estimate, including both winter and spring wheat, was based on conditions of the crops June 1. It did not take into account reports this week of crop deterioration from rust.

A crop such as the department forecast, added to the estimated surplus of 200,000,000 bushels from last year, would give the nation a total supply of 1,220,000,000 or more bushels, or about 500,000,000 more than normal needs. Such a surplus would be the largest on record.

## THEY BUY FOR FUEL ECONOMY

Most people know that the "Caterpillar" Diesel D-2 operates on only 11 gallons of cheap diesel fuel per hour. They buy it for its fuel savings. They are doubly pleased when they put it to work to find that it has so many features other than fuel savings to make it an outstanding product.

AS ONE OWNER PUTS IT: "It starts so easily—no need for brakes—and the seat seems to fit my back, it's the most comfortable machine I've ridden."

ANOTHER OWNER SAYS: "There's foot room for big feet and plenty of space for long legs and the controls are so convenient."

AND ANOTHER: "No more bumping and jostling when I work the cross-rows—the D-2 rides right over them."

"See us first—We can save you money" DOUGLAS COUNTY Farm Bureau Co-op. Exch. Roseburg, Oregon

## CHEDDAR CHEESE POINTERS OFFERED

### Canned Product Should Be Individually Wrapped for Good Results.

Latest developments in the ripening of cheddar cheese in cans makes it practical for retailers to offer rindless, moldfree, naturally ripened cheese in attractive consumer size packages ready wrapped for sale to housewives. Dealers avoid shrinkage, mold injury, crumbling, and other wastes, and consumers enjoy these gains and the satisfaction of neat and pleasing packages of cheese with all the natural flavor. Processing of cheese products usually destroys much of the natural flavor.

Packaging in individual wrappers offers to the cheese maker a better chance to build a reputation based on quality, say specialists of the bureau of dairy industry, and so puts a premium on quality in cheese making. It also opens the way for more effective competition with other packaged foods.

The secret of successful canning of cheese lies in the fitting of the

## HARDWOODS YIELD CASH TO FARMERS

### Seventeen years ago a 16-year growth of hardwoods on 18 acres of woodland in Montgomery county, Ind., sold for \$5,845.

Foresters of the United States forest service estimate that another cutting — now "ripe" — will yield approximately as much timber as was cut 17 years ago. The foresters point out that just what the present crop would sell for depends on the demand, but they cite this as an example of how good hardwood timber — or a woodland of any kind — may add to the farm income, if selective cutting is practiced.

The woodland, owned by John Binford, originally was used for fuel and for timber on the farm. It never has been burned, grazed or clear cut. In 1905 all merchantable timber was sold, but there are no records of the amount or value of the sale.

In 1921 Binford first was offered \$1,200 for his timber crop. He checked with other buyers until he obtained an offer of \$3,000 and finally the \$5,845. The final selling price averaged about \$34 a tree. The forest service says they are many old hardwood tracts with trees worth that much or more. The Binford tract of oak, elm, ash and a few walnut trees is in an area that has furnished some of the world's finest hardwood timber and based on the 1921 sale the 18 acres should have averaged a return of around \$20 an acre per year.

## FARM AT GLENDALE HAS NEW OWNER

**GLENDALE, Ore., June 13.**—Mrs. Susan Pete this week completed the sale of her home including 10 acres farming land and the crops already in, and farm buildings, to John O'Brien, of Glendale, who took immediate possession.

The Pete place, which is located about a mile and a half south of Glendale, has been the home of Mrs. Pete and her husband, the late Andrew Pete, for over thirty years and although other property was acquired during that period, this was always known as the home place. Mrs. Pete has moved to their upper place, which adjoins the Bud Belcher ranch.

## DECEASED RECLUSE LEAVES FORTUNE

**MASTONTOWN, Pa., June 13.**—(AP)—A fortune which Attorney Dean D. Sturgis estimated "might reach \$500,000" was found in an old safe here after the death of a recluse who lived in a house without running water, electric lights or other conveniences.

State motor patrolmen said the four heirs, Mrs. David Gas of Philadelphia and her three daughters, gasped as the door of the iron box belonging to the late Fred Schroyer, 72, was swung open by a locksmith.

Scores of \$1,000 bills, a mass of dusty Liberty bonds and other negotiable securities were stacked neatly inside.

Schroyer died May 21 in a Uniontown hospital, protesting against the ministrations of physicians treating him for diabetes.

## NOTICE OF ANNUAL MEETING

The annual meeting of the stockholders of the Umpqua Savings and Loan Association will be held at 147 North Jackson street, Roseburg, Oregon, on Wednesday, June 22, 1938, at 7:30 o'clock p. m. for the election of directors and auditors and for the transaction of such general business as may properly come before the meeting.

UMPQUA SAVINGS AND LOAN ASSOCIATION. (Adv.) By H. O. Pargeter, Secretary.

SPRING FUEL PRICES	
OLD GROWTH FIR	
4-ft. Green, per cord	\$2.00
4-ft. Dry Slab, per cord	\$4.50
16-inch Dry, per load	\$4.50
16-inch Green, per load	\$4.50
18-in. Ends, per load	\$4.50
2-ft. Green Slab, per load	\$4.50
2-ft. Dry Slab, per load	\$4.50
Gawdust, per unit	\$2.50
HARDWOOD, Oak and Laurel Block, tier	\$2.50
HARDWOOD, Oak and Laurel small stove wood, tier	\$3.00

**ROSEBURG LUMBER CO.**  
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### Repair Remodel That Home

When you undertake such work—you not only protect the investment in your home—but you help put men back to work. Ask about FHA modernization loans. E. S. McCLAIN, Manager.

## Roseburg Branch of the United States National Bank

Head Office, Portland, Oregon  
MEMBER FEDERAL DEPOSIT INSURANCE CORPORATION

## GAS FOR FIRMNESS GIVEN RASPBERRIES

**ST. PAUL, (AP)**—The gas that turns ordinary water into soda water is going to improve Minnesota's raspberries this summer, says J. D. Winter, University Farm

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## Special

### Genuine WESIX

#### AUTOMATIC ELECTRIC WATER HEATER

With standard automatic electric waterheater installations selling as high as \$100 and more the special price of \$69.50 on a genuine WESIX automatic electric water heater completely installed in your home offers an exceptional opportunity to obtain perfect hot water service. No longer is it necessary to put up with an obsolete, expensive, unsatisfactory method of heating water.

These new automatic electric water heaters are like giant thermos bottles. They use less electricity because practically none of the heat is lost through radiation. It provides an abundance of hot water at exactly the right temperature as constantly as the cold water supply. The new, off peak, metered, water heating rate is only 8 mills. 4/5 of one cent per kilowatt hour! With this new metered rate you pay only for what you use. The average for the entire company is only \$2.20 monthly. Ask for complete details about the new water heaters and the special, off peak, metered rate.

AVAILABLE THROUGH ELECTRICAL DEALERS AND PLUMBERS

The California Oregon Power Company

Automatic Hot Water

The comfort of a hot, cleansing shower any time you want it!

No longer is dish-washing delayed till the water is heated!

Hot, cleansing suds at any time for washing out soiled things!

Most people know that the "Caterpillar" Diesel D-2 operates on only 11 gallons of cheap diesel fuel per hour. They buy it for its fuel savings. They are doubly pleased when they put it to work to find that it has so many features other than fuel savings to make it an outstanding product.

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