

# FARM DAIRY AND POULTRY PAGE

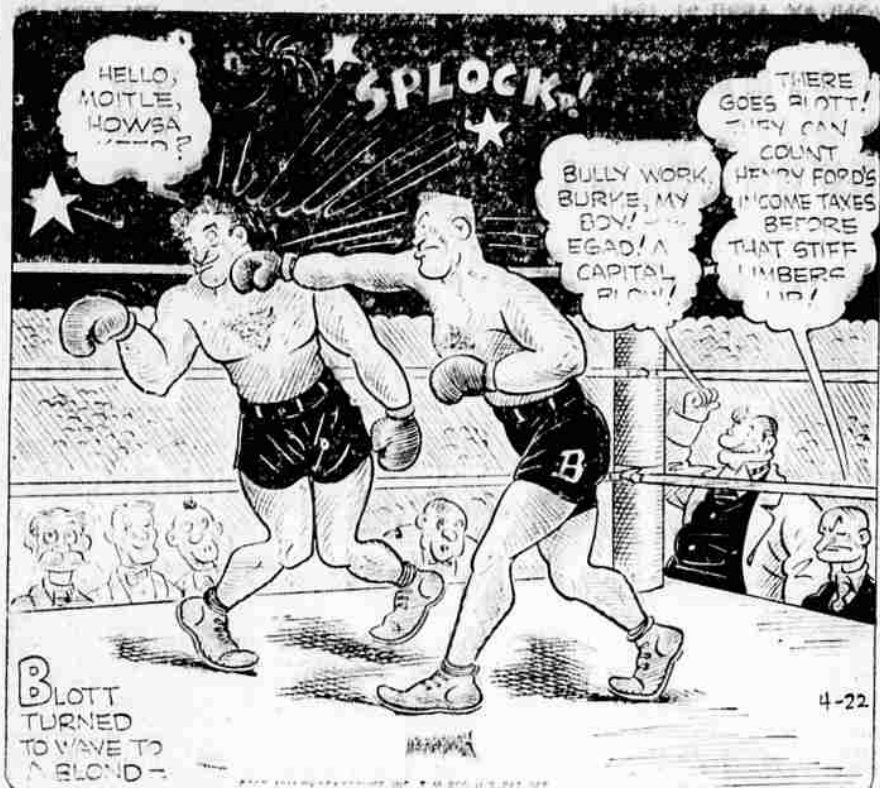
## Botulism Equally Fatal to Poultry

Any spoiled canned foods which are even suspected of containing the botulism organisms are best completely destroyed or buried because they are just as poisonous to chickens as to man, says G. V. Copson, head of the bacteriology department of Oregon State college. Whole flocks of chickens have been destroyed by feeding spoiled corn or beans to them, causing the disease commonly called limberneck, which is in reality botulism.

"Since the same germ causes botulism in man and limberneck in fowls, it is highly dangerous to feed spoiled vegetables to chickens," says Copson. "Furthermore, any chance appearance of limberneck in chickens is a warning to be on the lookout for spoilage in home canned vegetables. The only safe way to be certain of avoiding botulism poisoning is to make sure that all home canned vegetables are boiled for 20 minutes before being tasted, and on the day they are to be consumed."

In fowls botulism produces a general intoxication by which the muscles become progressively paralyzed, Copson explained. First there is a paralysis of the leg and neck muscles, followed by a stopping of the heart. In a recent test conducted at the college a bantam hen fed canned corn inoculated with laboratory cultures of the botulism organism developed limberneck in 24 hours and died in two days.

## OUR BCARDING HOUSE



## With Major Hoopie

## Alfalfa Good Index To Value of Soil

W. L. Powers, head of the soils department at Oregon State college, reports alfalfa as being a good indicator as to the productivity of soils. Alfalfa is frequently a valuable index crop to show the production value of irrigated land. A rule made and useful, according to Powers, is that water right land and the land prepared to receive water, on the alfalfa basis, will support a production valuation on the order of \$25 to \$30 per ton of annual yield. On this basis land that produces four tons per acre will supply a valuation of \$100 to \$120 per acre.

Another useful rule found is that alfalfa land can pay the total water charge of one dollar per ton per acre. This means that land producing five tons per acre would have a total land charge of five dollars which would cover all construction costs, payments, and operation and maintenance costs.

Alfalfa yield is an indicator of natural soil fertility and growing climate, a legume and valuable forage plant that may usually be used with livestock enterprises whereby soil fertility may be economically maintained.

## Yolk's On Her



Pardon the egg laying, but U. S. merchants and poultry farmers are cooperating in a Spring-time Egg Festival week, May 1-7, to promote marketing of expected record 39 billion egg production for this year. Annette Spruill also helps, as above.

ground in a dispute that followed Oregon Coach Hobson's protest of a play at first base.

Score— R. H. E.  
Ore. State 400 000 000—4 6 4  
Oregon 300 000 000—3 5 3  
Shaw and Capka; Begleries and Calvert.



Oh, we soak up loads of heat And we carry dirt away— Seal in power all around And lu-bri-cate today!



LET THIS four-part oil protect your modern engine. It is made to do four distinct things: (1) Carry away engine heat by circulating over hot moving parts, (2) wash away grit and carbon from bearing surfaces, (3) seal in the power of high-compression piston strokes, (4) and, lastly, keep its smooth oiliness all its long life. That is true balance!



## Screw Worm Ban Issued by Oregon

SALEM, April 21. (AP)— Seeking to prevent spread of screw worm infestation to Oregon animals, the state department of agriculture has issued an order preventing shipment of livestock into Oregon from infested areas, unless animals from such areas can be certified as free from the screw worm maggot.

Under the order, effective April 25, cattle, sheep, horses, mules and asses from California, Arizona, New Mexico, Texas, Okla-

## 4-H Will Beautify Rural America

Beautifying rural home and public grounds on a nationwide scale never before attained in 4-H club history is under way by thousands of boys and girls. Clubs between 10 and 21 in this and 39 other states are participating under supervision of the extension service. Communities all over the nation are being awakened to the beauty within their means in this year-around contest made possible by Mrs. Chas. R. Waldgreen, garden enthusiast of Illinois.

"All that farm boys and girls need to make their surrounding inviting is to be shown how," states Mrs. Waldgreen. "Tools and materials are at hand on or near every farm. Labor and a plan only are needed, and the latter is provided through club leaders."

Gold medals will be awarded to county winners. One representative of each state blue award group will receive a gold watch, and all-expense trips to the National 4-H club congress in Chicago next November will be given to the outstanding winners in each of the four extension sections and two at large.

## State Fair Lists Special Awards

Breeders of draft horses, cattle, sheep, goats, swine, poultry and rabbits will have a chance at a number of special awards offered by breed associations for winners at the 90th Oregon State fair which opens in Salem Labor day and continues a full week. The fair management announces that an unusually large list of special awards, which are in addition to the regular cash premiums, are offered this year.

The complete list of specials will be found in the state fair premium list, copy for which is now in the hands of the state printer. In addition, housewives and homemakers may participate in specials offered prize winners in the canning and baking divisions.

Animal associations which have offered specials to date include these breeds: Percherons, Shires; Herefords, Aberdeen Angus, Shorthorns, Red Polled and Guernsey cattle; Corriedale and Oxford Down sheep; milch goats; and Duroc swine.

## King Of Douglas Firs Discovered

ASTORIA, Ore., April 21. (AP)—About the time Charles Martel was standing off the Saracens at Tours, a Douglas fir cone was sending thirsty roots into the soggy soil of an unknown Pacific wilderness.

Les D. Lloyd, a pulp company forester, found the tree and proclaimed it the biggest Douglas fir in the Pacific northwest. He estimated its age at 1200 years, found it measured 151 feet in diameter 41 feet from the ground and was 210 feet high to its broken top, which is 2 feet in diameter.

Lloyd, whose hobby is hunting big trees, said all the information he could find indicated the tree, which stands near the coast highway in Clatsop county's fog belt, is the biggest known Douglas fir tree standing.

Lloyd said he would sponsor formation of a state park around the immense conifer, whose first limb is 108 feet off the ground, to save it from the faller's axe.

## Texas Farm Yields Cache Of Gold, Silver Coins

CENTERVILLE, Tex. — The rich soil on the L. V. Neyland farm already has yielded a good crop—\$63.50 to be exact.

While working in the garden, members of the family unearthed a cache of gold and silver coins—some dating back to 1832.

Now if their carrots only will grow...

## O. S. C. Evens Series With U. of O.; Umpire Mauled

EUGENE, April 21. (AP)— University of Oregon and Oregon State stood even in their northern division baseball series today as the result of the Beavers 4-3 victory here Saturday.

The teams did all their scoring in the first inning, but fireworks continued even after the last out of the game. Umpire Spec Burke was knocked to the



by JOHN CLINTON

From now on you can call me Shock-Proof John. I've seen everything because the other morning when I was driving past the Union Oil station on the corner I almost fell out of my Hispano-Plymouth at what I saw.

There, drawn grandly up to the pumps was a horse and wagon. "This, I gotta see!" says I, and turned back. And when I returned I got the 2nd shock, for what do you think the hay-burner was doing?

Well sir, the driver had put four old auto wheels on his wagon, and he was having the tires filled with air. While he was doing it, one of the boys had put a bucket of water down for Dobbin to drink! It was the most unusual sight I've seen for years!

And while the situation was, to say the least, amusing, the boys at the station were doing their stuff with perfectly straight faces. I'm not sure just what the entire significance of this little drama was, but it certainly proves that the Union Oil boys are gentlemen from way back!

So, in addition to inviting you to drive your car into a Union Oil station for service, I'm now in a position to invite all horse-and-wagon operators to do likewise. It's really too bad that Union can't think up some way for horses to use 76, or Triton Motor Oil, because somehow I think life would be more picturesque (if less convenient) if we had more horses galloping by. Don't you?

## Parity Payment Rates To Wheat Raisers Fixed

WASHINGTON, April 21. (AP)— Secretary Wickard announced rates of parity payments to be made to farmers who plant within 1941 AAA acreage allotments for cotton, wheat, corn, rice and tobacco.

The rates include wheat 10 cents per bushel.

These payments are designed to help boost farm income from the basic crops toward the administration's goal of "parity" or "fair exchange value" for farm products.

The parity payments will be based on the normal yield of each farmer's acreage allotment.

In addition to the parity payments, farmers who cooperate with the AAA programs will receive soil conservation payments in 1941 at the following rate for wheat, 8 cents per bushel.

## Mattress Cotton Demands Heavy

Surplus raw cotton from the southern states will roll into Oregon throughout this spring and summer to meet the needs of the mattress-making centers throughout the state, where thousands of Oregon families have applied for the privilege of making their own mattresses from the surplus cotton being distributed free through the AAA and surplus marketing administration.

Officials of the O. S. C. extension service in charge of the mattress-making project report a far greater response in many counties than was anticipated when the project was undertaken. Already applications in 25 counties have been made for 10,078 mattresses, which will require some 15 carloads of raw cotton. The project may be extended later to other counties.

Although applications are accepted only from families with a stated minimum annual cash income, the extension service emphasizes the fact that this is not a relief project, but instead is a means of disposing of huge stocks of surplus cotton while at the same time increasing the standard of living in rural homes.

The Oregon granges are cooperating in the program by making grange halls available as centers for making the mattresses. Certain special machinery is supplied to each center and in each case local instructors are trained by the extension service to help in the actual making of the mattresses. Those who have completed their mattresses so far are enthusiastic about the high quality of the product, according to the extension leaders. Experience in other states has shown that these mattresses will remain in excellent condition for years if given proper care.

## Garden Insect Control Guide Issued by O. S. C.

The best of vegetable garden seed planted on excellent land will still not insure a crop unless the plants are protected from insects. In answer to the constant requests for information on garden insect control, the entomologists at Oregon State college have just prepared a revised extension bulletin No. 351, which gives the latest recommendations for controlling garden pests.

The bulletin discusses various types of dusts and sprays and methods of application, and also contains a chart showing recommended control of insects for the different kinds of garden crops. The bulletin may be obtained from any county extension office.

## Bull Snake Worth \$150 Annually to Farmer

NEW YORK (AP)— The Bronx zoo has an exhibition to prove that snakes are a friend to man.

It shows that an adult bull snake is worth about \$150 a year to a farmer. A snake eats about 30 rats a year. Federal surveys place a \$5 value on the head of a rat. (The amount of damage a rat can do.)

Further, young snakes eat insects which damage crops.

Only 20 species of 135 snakes in this country are poisonous, according to Raymond L. Ditmars, curator of reptiles, and most of the harmful ones are on deserts and wastelands.

## "Clothespin" Silo Set Up for Less Than \$25

LYNDEN, Wash. (AP)— Ralph De Motts, dairyman, reports excellent ensilage with virtually no waste nor spoilage from his ingenious "clothespin" silo near here.

Silos cost a peck of money, but De Motts' cost him less than \$25 including the clothespins.

The structure, 121 feet in diameter, was fashioned from heavy stucco wire nailed to the inside of a framework of poles. This was lined with heavy asphalt building paper, clothespinned to the wire. Each round of paper was put in place with

## Cow Tales

Considering the increased interest shown and inquiries we are receiving in regard to the Milking Shorthorns, and where to get good foundation stock, we believe it is time to get some action.

We have written most of the breeders west of the Rockies that might have females for sale. The answer always comes back, "Nothing for Sale."

So, in desperation, we sent several inquiries to the Central West, where herds are numerous, and some have several hundred head. Replies so far give us high hopes, so far as price and quantity are concerned. But the freight rate will be an important factor.

As "like produces like," we will insist on RECORDS, as well as individuals. Don't judge the breed by hearsay, or by scrubs, but see our two heifers at Green, or any of the numerous bulls we have placed.

In the meantime, don't neglect your present "Bessie," as she requires plenty of good feed and water, in addition to the good grass she is now getting. Umpqua or Sunrise Dairy feed, fed now, will show results all summer long. Remember, it is much easier to "keep them up," than to "bring them back."

## the FEED BAG

VOL. XIII Published Weekly by the Douglas County Flour Mills APRIL 21, 1941  
NO. 18, Mfrs. of Umpqua and Sunrise Poultry and Dairy Feeds.

## So Long

With this issue, "The Feed Bag" will be discontinued for another season. We hope you have derived some benefit from it, and that it has convinced you that you should continue using Umpqua and Sunrise feeds, the feeds that set the pace in Douglas county, as to price, economy and best results.

## Coxey and Blackhead

As we have told you before, we have a feed for everything on the farm. The list includes "Iotoin" Mash for the control of Blackhead and Coccidiosis.

There are dozens of "cures" for these diseases on the market. We have tried a number of them, and watched results from a number of others, and haven't seen one yet that does not depend for results on the sanitary program that is included with the medicine. In fact, with most of them, the sanitation without the medicine would be just as satisfactory, and less expensive.

Not so with "Iotoin" Mash. About eight years ago we tried this feed for the first time, and have had VERY FEW disappointments. In most cases, the reduced mortality and immediate improvement in the flocks treated has been nothing short of miraculous.

Many of our customers now feed "Iotoin" at the first symptom of Coxey or Blackhead, and thereby avoid any loss at all. We do not think it has an equal anywhere in the world, and the only place in this part of the world you can buy it is at the Douglas Flour Mill. Any time you suspect either of these two dread diseases, let us tell you about Iotoin, or better yet, feed it, and save your birds.

## A Dollar's Worth of Field Service

The actual value of field service can't be figured in \$ and c. Some years it might not increase your profits a thin dime. Other times a 30 minute call might be worth hundreds of dollars to you.

The important thing is: when you want a field man, you want him right now, and not on his next regular trip through the territory. You also want to feel that he is trying to HELP YOU, and not trying to sell you something.

Our field man is starting his 28th year as a practical poultry and turkey grower and field man. He has learned a lot of the answers in the hard way, and can make your road a little easier as a result.

We also work harmoniously with the Oregon State Station, and have several other very good authorities with whom we are in close touch. Due to these contacts, we feel that we can give you as good, or better, good, practical, common-sense field service as you can get in this territory. You don't have to wait two weeks, either.

## Water For Cows

Research has proved that cows having water in drinking cups available at all times produced 10.7% more butterfat than cows watered twice daily. Dairy cows need water in proportion to production. At Iowa Station, cows drank 350 lbs. water for 100 lbs. milk produced. Thus it will be seen how important it is to have a good supply of water handy for the dairy cow at all times.

## For Starting Poults

Where poults seem inclined to start eating slowly, we find it a good practice to mix pellets and mash for the first few days. If they intend to feed only mash, they will start easily, but some bunches do not start so well on straight pellets. For these, a little mash will help coax them to eat sooner.

## "Does your wife economize?"

"Oh, yes. We have to do without practically everything I need."

## OFFERS 3-FOLD ADVANTAGE

The four-stroke cycle used in "Caterpillar" Diesel Engines adds to your assurance of long tractor life—an advantage based on 3 important points:

1. Less frequent power loads on bearings;
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