

Farmer, Stockman and Dairyman

Aphis Checked by Natural Enemies

"I have plenty of vetch seed but think I'll not sow it this year because the vetch aphis are so bad," writes an Oregon farmer to Prof. A. L. Lovett, entomologist of the O. A. C. experiment station. This sentiment is reflected in scores of letters received from farmers throughout the state.

"The fear that vetch aphis and other plant lice will be serious next year is not justified by present indications, Professor Lovett replies. These plant enemies have met with serious reverses and the chance of a bad aphis year next season is extremely slight.

Serious aphis years are generally due to peculiar weather conditions in the early season. This past spring we had a few warm days followed by a long drawn-out cool, rainy period. This was ideal for the multiplication of the plant lice, but prevented the development of their natural enemies, which under normal conditions succeed in holding them in check. Throughout the early part of the season plant lice of all descriptions developed in countless numbers. As the season advanced and warmer weather prevailed, natural enemies had an opportunity to increase in numbers. They found an abundance of plant lice present on which they might feed, and with this plentiful food supply they in turn developed rapidly and late this fall were present in unusual numbers. They have gone into winter quarters in first-class condition.

"With this horde of natural enemies passing through the winter and developing a fine appetite for aphis, the opportunity for the plant lice to develop in any numbers in the spring is slight."

Potato Wart Menace Over Industry

Potato wart disease has invaded some eastern potato states, and the menace hangs over the potato industry in Oregon.

"The potato industry of the country is endangered by the wart disease which has developed in the east from shipments of poor quality potatoes from Europe in 1912," says Prof. H. P. Barrs, of the department of plant pathology. "It is feared that other shipments not yet traced may have resulted in the introduction of the disease into other sections. Potato growers of Oregon as well as those of other states are requested by the government to send suspected specimens to the agricultural colleges for examination that prompt steps may be taken to head off the trouble before it becomes well established.

"The disease causes irregular warty outgrowths on the tubers, which enlarge until the entire potato may be changed into a black and worthless mass. The young plants are whitish or greenish, resembling a cauliflower head.

"In severe cases the whole crop may be practically destroyed. The disease is highly destructive in Europe. So far no causes have been reported in Oregon."

Board Must Sell Lime

To keep the State lime plant going orders for ground limestone are necessary. Farmers can now get lime from the plant at \$1.75 a ton f. o. b. Gold Hill. Special rates have been granted for agricultural lime and it has been given preferential shipment by the war industry board. Rates to local stations may be had on application to local railway agents. By adding freight charges to \$1.75 farmers may obtain the entire cost of lime laid down at their local station. They are urged to get the lime as early as possible and apply it this fall to get the full benefit of its action and to keep the State plant active.

Ventilation Prevents Storage Rot

Heavy onion losses such as occurred last year in Oregon may be prevented or to a large extent minimized by providing for adequate ventilation, says H. P. Barrs, plant pathologist at O. A. C.

"This means currents of air passing over and under every layer of onions in the storage house," he explained. "The currents will carry away the moisture likely to accumulate on the bulbs when temperatures are fairly high and humidity of the atmosphere is great.

"A mere air space about the onions is not sufficient. The air must be on the move.

"Temperature should be kept down by throwing doors, windows, and ventilators wide open at night, and closing them during daytime in warm weather to prevent the onions from warming up."

Applications and Use of Lime

High grade fine ground limestone corrects soil acidity, aids decomposition of organic matter, liberation of mineral plant food and nitrification, and improves the physical structure of heavy soils.

"Soils of the humid sections of Oregon are acid and respond by increased yields of liming," says the department

of soils at O. A. C. "High acidity obtains in the most humid regions and on the red hills soils.

"Fall applications are best for next season's crops, while the ground surface is dry. Where clover is to be seeded on winter grain disk in the lime after plowing. Apply with a lime spreader or manure spreader, putting a thin layer of lime on a layer of manure. Directions for making a lime spreader can be had at the college.

"Apply lime to legume crops and to land known to be acid, and of low fertility. Test for acidity with litmus paper or send sample to the college for test. About two tons per acre, or three if strongly acid, should be used. Its effects last several years and benefit crops indirectly.

"Wet lands should be drained before liming. The lime should be used in connection with manure, green manure and crop rotation.

Farmers planning to use ground lime should apply it as early as possible, to get the full benefit of its action on next season's crops, advises Dean A. B. Cordley, chairman of the state board. Unless the lime is put on before the ground becomes too soft this fall it may not be possible to apply it until well into next spring. Early orders are necessary to keep the state lime plant running. Money for operating expenses must come from lime sales, and lack of bunker facilities makes it necessary that sales keep up with the manufacture.

Profitable Hens and Others

Hens which produce less than 75 eggs a year are better dead than alive while fowls which yield from 75 to 100 eggs annually are only fair producers. Good layers produce 125 eggs and upwards every 12 months. In some flocks of 200 hens, 75 of the low-producing fowls have been eliminated and still the normal production has been maintained. This results from more favorable conditions and surroundings for the hens left in the flock which are not so crowded and which, consequently, produce better.

get some grass to increase their flow of milk.

Some farmers have the lambs born in January or February and fatten them for earlier markets. This necessitates much care, abundant feed and warm shelter, but it is a profitable business when well managed.

When the lambs are ten days old they will begin eating grain and hay. Fix a creep for them so they can have a trough apart from their mothers, give them some wheat bran and cracked corn and continue to feed them all they will eat while on pasture, if they are to be fattened and sold within three or four months old. The best time to sell the lambs is before they are one year old.

Some good farmers allow the ewes and lambs to graze during the summer with little or no grain, wean the lambs in August and turn them into the standing corn. There is no place where a lamb will fatten faster than in a cornfield eating grass and weeds and weed seeds and the lower blades of corn.

Lambs should not be kept on old pastures that have been grazed by older sheep. There is danger of stomach worms. However, if tobacco dust or stems are kept before the sheep at all times, they will not be troubled with internal parasites.

Three hundred farmers' reports give \$3.69 as the average cost for keeping a ewe and lamb as against \$16.15 as the average return in wool and mutton.

Nearly all good sheepmen keep a few of the best ewes each year to add to the ewe flock and take the place of the older and discarded ewes.—P. G. Holden.

Thirty Cents an Hour

The United States Food Administration, in setting prices to be paid for milk in the Chicago district, has decided that 30c an hour is adequate pay for a dairyman's time.

This is strangely out of line with the government's policy in dealing with union labor. In setting wages disputes where union men are concerned, the price has rarely gone below 50c an hour, and often as high as \$1. Shipyard workers often make as much as \$2 an hour, yet their work is no more important than that of the farmer. The Washington clerks, who were saved by the president's veto from the hardship of working more than seven hours a day, get from 50c an hour up—mostly up. Yet we could do without government clerks much more easily than we could do without food producers.

Bricklayers and carpenters in the cities get from 67 to 75c an hour. Chauffeurs and butlers, and even the "white wings" who sweep the city streets get more than 30c an hour.

We can sympathize with the young dairyman who said: "I am willing to fight Germans for \$30 a month, but I'll be darned if I'll milk cows for 30c an hour."—The Prairie Farmer.



MARION VEATCH

Candidate for
COUNTY CORONER

Experienced, efficient and economical service to the county and every one concerned.

(Paid advt.)

NOTICE OF FINAL SETTLEMENT

Notice is hereby given that the undersigned has filed his final account in the estate of Edgar A. Billings, deceased—that the County Court has set Monday, the second day of December, 1918, at 10 o'clock in the forenoon of said day, as the time for hearing said account. All persons interested are required to appear in said court at said time to show cause, if any, why said account should not be allowed, your petitioner discharged, and his bondsmen exonerated.

Dated this 28th day of October, 1918.
FRANK R. ALEXANDER,
Administrator of the Estate of Edgar A. Billings, deceased.
Oct 31; Nov. 7, 14, 21, 28.

NOTICE OF SHERIFF'S SALE ON EXECUTION.

Notice is hereby given that by virtue of an execution and order of sale issued out of the Circuit Court in and for Lane county, Oregon, on the 10th day of October, 1918, upon a judgment on a decree rendered therein on the 14th day of September, 1918, in favor of O. Q. Cartwright and against E. L. Gum, for the sum of \$2,961.10, with interest at 8% per annum from September 14, 1918, and \$24.40 costs, commanding me, in the name of the State of Oregon, in order to satisfy said judgment, and in accordance with said decree to sell the hereinafter described real estate, to-wit:

Lot numbered four in block numbered one in Kelsay's addition to Eugene, Lane county, Oregon, and also lot numbered three in block numbered three in Kelsay's first addition to Eugene City, in Lane county, Oregon.

Now therefore, in accordance with said execution, order and decree, I will, on Saturday, the 16th day of November, 1918, at 1 o'clock in the afternoon, at the southwest door of the county court house in Eugene, Lane county, Oregon, offer for sale and sell, subject to redemption, at public auction to the highest bidder for cash, all the interest of the above named E. L. Gum, his wife, Sarah Gum, L. C. Hughes and Elva Crozier, in and to the above described real property.

D. A. ELKINS,
Sheriff of Lane County, Oregon.

SUMMONS.

In the Circuit Court of the State of Oregon for the County of Lane. Nora Payne, plaintiff, vs. Matt Payne, defendant.

To Matt Payne, the above named defendant:

In the name of the State of Oregon you are hereby required to appear and answer the complaint filed against you in the above entitled court and cause on or before the 28th day of November, 1918, said date being the date and time specified by the court in the order for publication as the time for you to appear and answer, and if you fail so to appear and answer, for want thereof the plaintiff will apply to the court for the relief demanded in said complaint on file herein, and the whole thereof. The relief demanded is: Judgment and decree that the bonds of matrimony now existing between the plaintiff and defendant be forever dissolved and held for naught and that the plaintiff be awarded the care and custody of the two minor children, Claudie Payne and Nelvin Payne, and for such other relief as to the court may seem meet and equitable.

This summons is published by the order of the Honorable G. F. Skipwith, Judge of the Circuit Court of the State of Oregon for the County of Lane, dated October 14, 1918.
FRANK A. D'AUDE,
Residence Springfield, Oregon.

CLASSIFIED

LOST—Strayed from my place one white female pig, about 6 weeks old. Finder please notify V. W. Carson, Springfield, Ore.

FOR RENT—A ten-acre tract one mile southwest of Springfield and two and one-half miles south of Eugene. Good house and fair out buildings. All under cultivation. Inquire at 186 Mill street, corner A, or address P. O. box 302, Springfield, Ore.

As you behold the glory of America in future years, do your part now so you may reflect the glory then.

MAYORS OF LANE COUNTY

(Continued from Page One)

speaker in your district you can take the matter up with him direct.

"A. H. McDonald, of Eugene, is publicity chairman for Lane county and if you have anything which would require special publicity attention wish you would take it up with him direct.

"I think it would be advisable to have your collectors meet the few special people from whom they might get a large subscription before starting on their regular campaign. Be sure and canvass all persons in the district, and by all means reach your quota as soon as possible. It is our desire that we put Lane county over by noon on the 12th of November.

"Under separate cover I am send-

ing you herewith a number of posters which I wish you would see are posted in the proper places in your district, and firmly posted so they will remain during the length of the campaign; also booklets, reading matter and pamphlets which I wish you would see are delivered to every person in your district. A list of the posters, booklets and pamphlets are as follows:

- "See Him Through."
- "Keep 'Em Smiling."
- "For Every Fighter."
- "General Pershing."
- "Hey, Fellows."
- "For Your Boy."
- "His Home Over There."
- "Oh, Boy."
- "Four Years In, Etc."
- "Workers."
- "The Spirit of W. C. C. S."
- "Civilians."
- "What Your Money," leaflet.
- "Y. M. C. A. Hut booklet."
- "Service Under Fire," booklet.
- Jewish Welfare Folders, "The Answer."
- "War Camp," 24 page booklet.
- "Tradition of the American Mother," booklet.

"We are also sending window banners, buttons or other insignia, and gummed automobile stickers. These you will use during the campaign as the occasion requires. See that some of the posters are placed in school house."

To the Patriotic Citizens of Lane County:

We, the undersigned veterans of the Spanish-American war, irrespective of party affiliations, are sending this communication in behalf of our Comrade, D. A. Elkins, present Sheriff of Lane county, Oregon, and candidate for re-election.

Sheriff Elkins responded to the call of his Country in 1898 and, along with many others, was sent for service to the Philippine Islands. Some twenty years have intervened between that date and the present, yet we have not forgotten that campaign and the Comrades with whom, side by side, we fought.

Sheriff Elkins has made a good and efficient officer; he is fearless in the discharge of every duty; courteous in his treatment of the public. He is thoroughly competent within the office, and for five years served as Chief Deputy in the legal department of the office; he is likewise thoroughly capable and competent as a Sheriff, outside the office work, and with him as Sheriff, it will not be necessary for Lane county to employ a Deputy Sheriff to do the Sheriff's work.

Sheriff Elkins is a native Oregonian, and 100 per cent American, three of his brothers now being in the military service of the United States.

In addition to this he is Chairman of the Lane County Local Draft Board by virtue of his office as Sheriff, and in this capacity has rendered and is rendering valuable service to his country, while performing his other duties, which occupy all of his time and leaves him practically none to devote to his election campaign.

In handling the pro-German element of the community, he has ever been vigilant and has been instrumental in rounding up such alien enemies as were found within the bounds of Lane county, and in the investigation of the slacker element.

As Spanish-American War Veterans, we view the past as well as the present and fully realize that sacrifice is the proof of devotion. This sacrifice our boys are making today on the blood-stained fields of France. We realize that the Spanish-American War was of small moment when compared with the present struggle; however, then as now, we made the same offer of sacrifice and many of our boys paid the price of devotion with their lives on the fields of battle in the Philippines.

Are the boys who make this offer of sacrifice soon to be forgotten? Are we to sing their praises today while they are fighting our battles and forget their noble sacrifice when they return to peaceful pursuits?

We Spanish-American Veterans believe that the boys that fight for us are entitled to our kindest consideration, not only today, but even twenty years after, and that our gratitude should not vanish with the passing of time, but should endure as long as life itself.

D. A. Elkins did his part in the war of twenty years ago—he offered his service and his life upon the altar of his country, and while his life was spared, he took the chance along with the less fortunate, but his reward should be just as great, and we would be devoid of gratitude if we neglected, in this hour of his activity, to withhold from him our support, or if we remained silent at this time.

We feel that Sheriff Elkins is entitled to our undivided support in this campaign, and to the support of all loyal hearted, patriotic citizens of Lane county, and we hereby pledge him our hearty, united support, relying upon his service as a soldier and his faithful service as a public official of Lane county.

We call upon our Comrades and all other patriotic citizens of the county to come to the support of D. A. Elkins in this, his first campaign for a public office, and we feel assured, if he has the support to which he is justly entitled, he will be the next Sheriff of Lane county.

Dated Eugene, Oregon, October 15, 1918.

- R. A. BABB
- ROBERT S. HUSTON
- M. V. ENDICOTT
- H. D. RYAN
- E. S. HAWKER
- C. H. RICH
- JOHN F. MITCHELL
- CLAIR ELLMAKER

- J. N. LINDSAY
- ELMER ROBERTS
- C. F. EGGIMANN
- T. O. RUSSELL
- MILO J. HARBAUGH
- J. N. BYRAM
- W. F. CROWE
- F. W. WEGNERS

(Paid advt.)



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- J. W. Quackenbush & Son, Eugene, Oregon.
- Thompson Hdw. Co., Eugene, Ore.
- Monroe Hardware Company, Eugene, Oregon.
- Ax Billy Department Store, Eugene, Oregon.

Write in his name at the General Election Nov. 5.

For Justice of the Supreme Court to fill vacancy caused by the death of Justice Frank A. Moore.

Vote for One

Write the name of J. U. Campbell in the above space and place an X in front of his name.

J. U. Campbell for Supreme Court Campaign Com., Oregon City, Oregon, J. D. Butler, Sec'y. (Paid Adv.)