

POTATO DISEASES SPREAD BY WEEDS

State College Experiments Definitely Prove Theory Held by Dykstra.

The fact that common weeds in Oregon potato fields are an important factor in spreading mosaic and other virus diseases of potatoes has been definitely established in experiments carried on at Oregon State college this year by T. P. Dykstra, plant pathologist with the United States department of agriculture.

Last year Mr. Dykstra began to suspect weeds as being responsible for some of the unexplained outbreaks of mosaic disease in potatoes, and succeeded in transmitting the disease by inoculations through some of the common weeds.

This year he set out to test his theory under conditions where insects common to potato fields would have opportunity to carry the virus. Two enclosed cages with 100 hills of disease-free potatoes in each were established and into these cages were put insects collected in the same potato field at the same time, half being put in one cage and half in the other.

In one cage weeds known to be infected with leaf roll were set out, and in the other one weeds infected with rugose mosaic were put with the potatoes. When the check-up was made at the end of the season it was found that a high percentage of the disease had developed in each corresponding to the disease known to be carried by the weeds in that particular cage, demonstrating conclusively that the insects are perfectly capable of carrying these diseases from weeds to potatoes and vice versa.

Weeds found so far to be ready carriers of many of these mosaic diseases are two species of the nightshades, two species of jimson weed, horse nettle and wild ground cherries. Pig weed will carry leaf roll and garden tomatoes are equal carriers with the nightshade, Mr. Dykstra's observations show.

This is considered one of the most important new developments in the fight against virus diseases in potatoes and will soon be published in detail in agricultural research journals. Mr. Dykstra has made public announcement of his findings in advance to enable growers to take note of what may prove a determining factor in their control of these diseases.

Two State Police Win High Praise From National Forest Officials

Praise is voiced by forest officials for work done by Evan F. Martin of John Day and Captain H. Lee Noe of Baker, members of the Oregon state police, in the case of Ernest W. Weaver, who Thursday was sentenced to 13 months in McNeil Island prison on his conviction of having set a 12,000-acre forest fire last August. Weaver also was fined \$100.

According to the forestry men, successful prosecution of the case was due to the activities of Martin and Captain Noe, both of whom have had considerable experience with forest fires in Eastern Oregon.

The blaze alleged to have been set by Weaver, so that he could get a job fighting it, burned over private land and government property in the Malheur national forest. At that time, the country was dry and a strong wind made matters worse. In addition to valuable timber, fences and pastures were destroyed. Desperate fights were necessary to save buildings, hay stacks and ranch homes. Approximately 2,000,000 feet of private timber and 22,000,000 feet of government timber went up in smoke. The cost to the forest service in putting out the fire was \$12,679. A careful cruise over the burned area showed damages totaling \$84,948, it was reported.

Weaver, 30, lives near Dayville. He is said to have resorted to the fire-setting method of seeking employment after the depression had hit his usual occupation of rounding up fuzball horses.

Medford Man Injured By His Pet Wild Goose

A wild goose owned by Bill Brayton of Medford will soon be cooked. Brayton, operator of the Hollywood ranch near Jacksonville, has devoted considerable time and attention the past two years in an attempt to domesticate a wild goose. The bird has been kept within confines by careful clipping of its wings.

Brayton decided to insure his pet's presence at the family fireside by further wing clipping. He approached the big bird and stuck out his boot toe, expecting the goose to bite the leather, as on past occasions. Instead, the bird jumped into the air and whacked him a mighty blow on the chest, fracturing a rib.

Referee Reappointed
Reappointment of C. K. Cranston as referee in bankruptcy at Pendleton took place Thursday in Federal Judge McNary's court at Portland. The term of the referee, who has held the post for a number of years, had expired.

FLUCTUATIONS IN THE WHEAT MARKET

Wheat Men Given Facts to Help Their Guesses By Expert.

Oregon State College.—Fluctuations in the wheat market have been so great recently that many people are guessing what will happen next. "One guess may be as good as another," says L. R. Breithaupt, extension specialist in charge of market information, "but a few figures on the situation might help the individual to make his guess."

"Roughly speaking the world wheat carryover on July 1 this year was from 200 to 300 million bushels above normal and greater than in any recent year," Breithaupt says. "World production of wheat this year, however, is expected to be perhaps 200 million bushels less than last year."

"The normal increase in demand for bread and the decrease in production of wheat probably offset the larger carryover. Other factors on the firm side of the market are a world rye crop probably 150 to 175 million bushels less than last year, substantial cuts in the new winter wheat acreage and unofficial information indicating increased use of wheat for feed."

On the other hand, Breithaupt points out that doubt persists as to the probable volume of wheat to be exported from Russia and the Danube countries. There is still too much wheat on hand in this country, especially east of the Rockies, and prices for foodstuffs in general are down.

"There has been a good deal of talk about high wheat prices recently because of the upturn in the market," he adds. "As the season advances, crop reports will play a greater part in influencing the trend of prices."

How high were wheat prices anyway at the peak of the recent bulge? Oregon wheat was 22 cents a bushel higher on November 6 and 7 than on October 15, is Breithaupt's answer. "But at mid-October the farm price of wheat in Oregon was only 38 per cent of the average price on that date from 1926 to 1930. Even at the top of the recent advance, wheat on the farms of the state was worth just 50 per cent of the average farm price at the same time during the past five years."

Mr. and Mrs. Marion O'Hara of Weston were in Athena Saturday on a trading trip.

Steiner Would Boost Income Tax to Satisfy Urgent Federal Revenue

In his last public appearance before leaving for Washington Senator Steiner came out positively Saturday at The Dalles in favor of increasing the income taxes in the higher brackets on private incomes as a means of raising what additional federal revenue is necessary.

"An increase in corporation or capital tax simply means passing it along to the consumers," said Senator Steiner, "while the talk of a limited sales tax, general raising of all income taxes, and proposal to lower the exemptions, are all put forward to divert attention from the logical plan of raising the rates in the higher brackets such as from \$100,000 net income and upward."

"Greatest safety for wealth itself will come from having these great incomes considered generally as a reservoir for use of the government in times of national stress," Senator Steiner held. "In war times the highest levy was 65 per cent on largest incomes; now it is 20 per cent. Somewhere between 30 and 50 per cent would be fully justified under present conditions."

Two Walla Walla Lovers Quarrel and Shoot it Out

Each one claiming that the other one did the shooting, Pauline Kimball, 21, and Ed Wirth, 35, a railroad brakeman of Walla Walla were taken to St. Mary's hospital, both seriously wounded.

The woman was shot through the body, near the heart. She died Saturday. Wirth is shot through the lungs and has a fair chance for recovery, barring pneumonia and peritonitis.

Wirth insists that he did not shoot his sweetheart, and that she fired a bullet into his back as he was leaving. Miss Kimball freely admitted shooting Wirth, but insisted she did so only after he had shot her. Officers hold the belief that Miss Kimball shot Wirth and then fired a bullet into her own body.

Wirth says they quarreled violently and that they decided to write fits to their romance. The shooting followed. Miss Kimball was the daughter of Mr. and Mrs. Jacob Kimball and Wirth is the son of Mr. and Mrs. Philip Wirth.

Statements attributed to Miss Kimball when she was dying failed to reveal a motive for the shooting, other than her assertions that it followed a quarrel. Officers state her story was not entirely consistent and that she refused to discuss some of the details.

Only Eight Out of 24 Ready for Road Work

A Pendleton press dispatch to the Morning Oregonian says: "Unemployment in Pendleton is just 33 1-3 per cent as bad as it has been painted, relief workers were ready to believe Tuesday when eight unemployed men out of 24 agreed to work after being offered full time jobs by the state highway department."

"R. L. Carter, resident engineer of the department, desiring to hire ten men in the first emergency unemployment to be given by the state here, obtained a list of 24 men who had registered with Pendleton relief committee and who were thought by committee officials to be the most needy. Carter could get only eight to work."

"One man, Carter said, gave as an excuse for not accepting employment that he was going to move this week and would not be 'reested' by next Monday, when work was to begin. Workers will be paid \$3 a day."

Mrs. Ted Ludtke and daughter of Portland are at the Francis Lieullen home, near Adams.

High School Notes

November Days (Velma Ross)


Now is the time of rainy weather; those days when the rain pours down hour after hour, and the wind sways the leafless trees back and forth. The sky is a pale, gray color because of the lack of the sun. Water runs in little gullies and rivulets in the roads, and the mud is soft and oozy. These are the days when one should be happy. Whistle and sing. Do anything to drive that dullness away that lurks around. There are amusements inside the house that are just as entertaining as those out of doors. Try to be cheerful and show the world that you are happy and enjoying life. After all, if the people in this world let their spirits rule entirely over them there would be no joy or happiness in living.

Typing Accuracy Wins Exemption
Those who were dismissed from typing I, Friday, because they had an average of only one mistake a day in their tests were, Bonnie Alkire, Fred Singer and Wayne Banister. This week the test periods have been increased from five to ten minutes. The mistake limit will be three instead of one. Those dismissed from typing II practice last Friday afternoon were Goldie Miller and Betty Eager.

Belchia Wins From Mildew
In the third basketball game of the series being played in the high school gym this week, the "Belchians," captained by Jack Weber, succeeded in

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osing out the "Mildew Indians," captained by Sol Pickett, by a score of 9 to 4. The game was a tie at the half but the larger and more experienced "Belchians" came back in the second half to make 5 more points.

Belchia (9) Mildew (4)
B. Weber.....F..... Steele Miller.....F..... Rogers J. Weber.....C..... Pickett Zerbe.....G..... Towne Jenkins.....G..... Roy Moore
Referee—Raymond Murphy.

Sneeziens Twice Victors
The "Battling Sneeziens" took a hard fought game from the "Lead Throwing Belchians" Tuesday after school. Both teams went into the battle with blood in their eyes. The game was very rough with every player fouling. These two teams were very evenly matched so the game was interesting.

Belchia (8) Mildew (9)
Geissel.....F..... B. Weber Murphy.....F..... Miller Jenkins.....C..... J. Weber Campbell.....G..... Zerbe Pittman.....G..... Jenkins
Referee—Ralph Moore.

The "Battling Sneeziens" won another game Friday evening. They defeated the "Mildew Indians" by a score of 23 to 2. Jenkins and Geissel led the offense which the "Mildew Indians" could not stop. The "Bat-

ting Sneeziens" were heavy favorites before the game.

Sneezia (23) Mildew (2)
Geissel.....F..... Steele Murphy.....F..... Rogers Jenkins.....C..... Pickett Pittman.....G..... Towne Campbell.....G..... Roy Moore
Referee—Lowell Jenkins.

School Scraps
The boys' basketball team has been practicing the past two weeks. They divide into teams and have games among themselves.

The high school and grade school had an assembly for Armistice day last Tuesday. The band played several numbers and the entire group sang.

The schools had a holiday last Wednesday, as it was Armistice day. The junior English class went down to the auditorium Friday afternoon, where some of the members of the class gave talks.

Would Ban Cigarettes
Preliminary papers for a proposed constitutional amendment banning cigarettes from Oregon were filed with Secretary of State Hoss this week by E. F. Atchley of Portland. The proposed amendment seeks to bar the sale, manufacture, importation, possession, advertising of cigarettes or cigarette papers. Atchley was prominently identified with a similar movement prior to the last general election at which time the proposition was defeated by a vote of 156,265 to 54,231.

Mrs. Reynolds Dead
Mrs. Harry A. Reynolds, 66, died of pneumonia Friday night at her home near Walla Walla after a week's illness. Besides her husband, a former state representative, she leaves five children, Jay, Allen, Margaret and Charlotte of Walla Walla and Carrie, who lives in the middle west.

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Western Angora Goat Yields World's Longest Mohair Lock



Longest lock of mohair ever grown—60 inches long—being measured at Sanford Mills, Sanford, Me. This world record goat hair was clipped from the goat, "Van Duzen," shown in lower picture, owned by F. A. Pierce, Humboldt county, California.

The longest lock of mohair in the world—Angora goat hair—has just been received at Sanford Mills, Sanford, Me., the world's largest weavers of mohair velvets and other fabrics, from F. A. Pierce, Humboldt County, California, owner of "Van Duzen of the Redwood Empire," the famous goat from which the clip was made. The lock is 60 inches long.

The American mohair clip is increasing and its texture is improving, according to growers in the principal mohair producing states. The annual clip of the country is estimated at 17,000,000 pounds from about 3,605,000 goats. This is an increase of 82 per cent in hair clip and 54 per cent in goats since 1920.

The leading growing states are Texas, Arizona, Oregon, New Mexico, California and Missouri. However, the growing industry now extends to almost every state.


The variety of uses of mohair fabrics, especially mohair velvets, has been materially extended in the last few years, according to George Emery, an official of Sanford Mills. About 100,000,000 yards of the velvets are now used as automobile upholstery. Another 12,000,000 yards have been installed in railroad cars, and additional millions of yards of the fabrics are used for home upholsteries, draperies, motor bus interiors, theatrical upholsteries and the like.

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