

FARM CO-OPERATIVE DIVISION

A MESSAGE TO EVERY MEMBER.

R.E.A. HIGHLIGHTS

BY R. L. WOOLLEY

During the course of our work it has come to our attention that one of the members of this association took it upon himself to design an electric fence. It was put into operation and it worked! In fact, it worked so well that it killed a hog, severely burned one of his cows and burned his own foot. All of this was because the electric fence was not properly designed and as a result it was a distinct hazard.

Perhaps the loss of the hog would have more than paid for the proper type of fence.

I cite this example of carelessness to you as members of your association in an effort to bring to your attention the necessity of having your electric appliances arranged properly. Electricity is dangerous when not properly handled and it is poor economy to try to GET BY with makeshift arrangements that have not been properly tested and determined to be within the proper bounds of safety.

The state departments concerned are also interested from the standpoint of safety both to you and to others in the vicinity. They are also the ones who are in a position to condemn your electrical apparatus and forbid us to serve it with electrical power.

Now, once again, be careful and be sure your appliances are safe

WEED CONTROL BRIEFS

By Lawrence Jenkins

Assistant Farm Crops Extension Specialist, O.S.C.

The most outstanding development in weed control in the past few years has been to prove definitely that perennial weeds can be killed by cultivation. Alternate summer fallow and wheat will kill morning glories. Nothing is lost by a year of grain or similar crops between years of summer fallow.

The best time to start cultivating Canada thistle in the spring is when the thistles are 12 to 15 inches high, or from three to four weeks after they come through the ground. Ninety-five per cent kill or better has

CANNING SCHEDULE

From July 29 to August 3

8 to 11 a.m.	12 to 3:30 p.m.
Mon.—Fruit-Berries	Beans
Tues.—Tomatoes	Corn
Wed.—Fruit & Berries	Beans
Thurs.—Tomatoes	Corn
Fri.—Fruit & Berries	Beans
Sat.—Tomatoes	Corn

Other products canned by special arrangement.
Hermiston Co-op Cannery

been obtained after one season of summer fallow with this method.

Preliminary tests in other states, now being tried in Oregon, indicate that successive wilting of perennial weeds, such as white top and Canada thistle, will give better results than using chlorate. Refinements in the method will have to be made before it will be cheaper than chlorates on morning glory and Russian knapweed.

Malheur, Deschutes, Umatilla, Morrow, Wasco, Union and Baker counties have various degrees of county-wide organization through the county court or weed councils for weed control work.

Cultivation of weed infestations can start any time during the growing season. Eradication will probably be accomplished with one or two less cultivations, however, if the operations are started at the weak stage of the plant. For morning glories this appears to be about 30 days after emergence, but cultivation two to three weeks after emergence is probably safer.

A few Oregon county agents are conducting some wilting trials this season. Heretofore, most of the burning attempts have been aimed at completely consuming the plants, rather than to sear them. Best results in other states, however, have been obtained by leaving them so that they will not entirely wilt down for one or two days.

NOTICE!

Due to the Project Farm Bureau have been increased to \$1.50 and entitles the member to a year's subscription to the Hermiston Herald. Dues should be paid by August 1 at the Farm Bureau mill, Cooperative Service Station or to C. L. Jackson, secretary.

C. M. Jackson.

CONSERVATION TO BE RE-EMPHASIZED IN 1941 AAA PLAN

Next year's AAA farm program will continue to emphasize soil conservation and soil improvement, will strengthen the "ever-normal granary" plan of balanced production, and will give Oregon farmers increased opportunity to fit the program in with their individual farm requirements.

This summary of 1941 AAA plans was brought back to Oregon by William Steen at Milton, chairman of the state agricultural conservation committee, following his attendance recently at the national AAA conference in Washington, D. C. Plans for the following year must always be made in advance of fall seeding time.

N. C. Donaldson, in charge of the state AAA office at Corvallis, accompanied Steen to Washington. While at the conference, they offered a group of suggested changes in the 1941 program, as made previously by the 36 county AAA committees throughout the state. Some of these were accepted and will be incorporated into the official farm program for next year, Steen said.

The state chairman declared that the AAA program, as set up for 1941, will continue to be a vital factor in "agricultural preparedness" as an aid to national defense.

An important recommendation concerns expansion of the grant of aid plan under which farmers receive advances of lime, superphosphate and similar conservation materials, with costs deducted from payments which they have earned. Another recommendation is that farmers be permitted to earn portions of their payments only by carrying out specified soil-building practices most needed in their communities.

In general, next year's farm program will follow very closely that now in effect, Steen said, and pointed out that there have been few major changes in the agricultural adjustment act since 1938.

WAKE UP BUSINESS
By Advertising In This Newspaper

FARM TOPICS

'TEAR GAS' USED IN SOIL BATTLE

Harmful Organisms Killed by Injecting Chloropicrin.

By F. L. STARK

Use of old World war "tear gas" in another type of warfare in the soil is being used today, reports of the plant pathology department at Cornell university indicate.

This gas is used to partially sterilize soils and kill harmful organisms. Known as chloropicrin, a heavy, oily, colorless liquid that readily vaporizes into a pungent tear gas, it quickly changes to a gas and diffuses throughout the soil after injection.

For many years it has been realized that the soils in which plants grow harbor injurious organisms. Several means have been used to destroy them, namely cultural practices, heat, and chemicals. The possible use of chloropicrin was revealed during the World war when large quantities were used as tear gas.

Since then, the use of this war-time material has been developed far enough so it can be used successfully to partially sterilize soils. The gas is toxic to all forms of life, and it is completely volatile; therefore, no residue remains in the soil upon aeration.

The material is applied into the soil by an applicator, which works on the principle of the hypodermic needle. Small amounts are injected into the soil to a depth of about six inches. Injections are usually made about 12 inches apart. With the apparatus, one man can treat from 1,000 to 1,500 square feet of soil in an hour.

Chloropicrin is being used to sterilize soil to eliminate disease-causing fungi, insects, nematodes, and weeds and their seeds. Its most efficient use to date has been in compost piles, but it has also been effectively used to sterilize seed beds and in benches or ground beds in greenhouses.

Its extensive field use is said to be limited only because of the rather high cost of the material.

Soil conditions at the time the tear gas is applied are important. In fumigating soils, the gas must penetrate through all parts of the soil to destroy the organisms, and a lethal concentration of the gas must be kept in contact with the organisms long enough to kill them.

After the pests are killed, the vapor should escape as rapidly as possible, the horticulturists were told. The speaker stated that a light sandy soil with a medium amount of moisture, and at a fairly high temperature (above 65 degrees Fahrenheit) is ideal for fumigation.

Farmers Test Fertilizer With Field Experiments

The idea that modern farmers buy a pig in a poke, or accept farming practices without giving them a practical trial, is exploded by the results of a recently completed survey of 32,000 farmers.

Forty-seven per cent of 32,000 farmers interviewed in 35 states reported that they conducted experiments in their own fields, tried out different kinds and amounts of fertilizer, and made comparisons on results obtained. Not only did the survey conducted by the National Fertilizer association show that farmers test the values of different kinds of fertilizers and fertilizer practices, but 44 per cent reported that they conducted experiments on fields with and without fertilizer to find out for themselves whether the practice pays. This represents a gain of 7 per cent over the number who conducted a similar experiment in the last survey made on this point.

After considering the results of their tests, 63 per cent reported that they are planning to use more fertilizer, and only 12 per cent stated they had had any unsatisfactory results from fertilizer during the past three years.

Agricultural News

One-fourth of all the motor fuel in the United States is used by farmers.

There are more acres of tree land on American farms than acres of any other crop.

Fattening steers will stay on feed better and will scour less with corn and cob meal, say experienced cattlemen.

A new wheat superior to any other British variety has been developed in England.

The western range of the United States supports a \$4,000,000,000 live stock industry.

One of the best ways to cut the cost of growing heifers is to provide improved pastures.

A new threat to American swine profits is swine erysipelas. Symptoms are similar to hog cholera.

Bargains

- 37 Chevrolet Sedan
- 36 Chevrolet Coupe
- 36 Chevrolet Sedan
- 32 Chevrolet Coach
- 38 Chevrolet Pickup
- 37 International Pickup
- 36 Ford Coupe
- 34 Ford Convert. Coupe
- 31 Ford Coupe
- 36 Willys Coach
- 37 Dodge Pickup
- 36 Dodge Pickup
- 36 Ford Sedan
- 35 Ford Coach

ALL WITH THE CHEVROLET OK'ed GUARANTEE
Many others not listed to choose from.

Hermiston Auto Co.
CHEVROLET
Sales — Service

NOTICE OF LAND SALE

NOTICE IS HEREBY GIVEN, That the undersigned, Sheriff of Umatilla County, Oregon, by virtue of an order duly made and entered herein by the County Court of Umatilla County, Oregon, on the 22nd day of June, 1940, will, on the 27th day of July, 1940, at the hour of 10 o'clock in the forenoon, sell to the highest bidder for cash at the front door of the Umatilla County Court House, Pendleton, Oregon, subject to a minimum price of \$90.00 therefor, to be paid in cash, at the time of sale, the following described parcel of land, heretofore by Umatilla County, Oregon, acquired for delinquent taxes, to-wit:

NE 1/4 NW 1/4, Section 6, Township 3, North Range 28, E.W.M.

R. E. GOAD, Sheriff of Umatilla County.
(June 27-July 25)

NOTICE OF HEARING ON FINAL ACCOUNT

IN THE COUNTY COURT OF THE STATE OF OREGON FOR UMATILLA COUNTY

In the Matter of the Estate of William Haggman, Deceased.

NOTICE IS HEREBY GIVEN that the Final Report and Account of Julia H. Penney, as Executrix of the estate of William Haggman, deceased, has been filed in the County Court of the State of Oregon for Umatilla County, and that the 27th day of July, 1940, at the hour of 10 o'clock A. M., at the Court Room of said Court in Pendleton, Oregon, has been July appointed by the Court for hearing objections to such Final Report and Account and the settlement thereof, at which time any person interested in said Estate may appear and file objections thereto and contest the same.

JULIA H. PENNEY, Executrix of Said Estate.
(June 27-July 25)

NOTICE OF APPOINTMENT OF EXECUTRICES

Notice is hereby given that by an order of the County Court of the State of Oregon for Umatilla County the undersigned have been appointed executrices of the last will and testament and of the estate of Aglae La Fontaine, deceased. All persons having claims against said estate are hereby required to present them within six months from the date of this notice, with proper vouchers, to said executrices at the office of A. S. Cooley in the Johns Building in Pendleton, Umatilla County, Oregon.

Dated July 4, 1940.
Sylvia Knight and Helene S. Blake, Executrices.
A. S. Cooley, Attorney for Executrices.
(July 4-Aug. 1)

WANTS

1c a Word - Minimum 20c

GOOD BUYS IN USED CARS — See the Hermiston Auto Co. 44-1c

FOR SALE—5 A. TRACT IN HERMISTON, close in. Good building site, all in cultivation, good irrigation system, city water, for \$650.00 cash for quick sale. A. R. Boulware. 49-3p

STRAYED OR STOLEN FROM pasture — Two-year-old grey-dun filly with roached mane, short tail and scar on chest. Reward. Clyde Hoyt, Umatilla. 49-3p

GOOD BUYS IN USED CARS — See the Hermiston Auto Co. 44-1c

STRAYED FROM MY PLACE — July 19, two mules, wt. 1400 lbs., one dark and one bay. Peter Castric. 49-1p

HAVE GOOD HULLING MACHINE Will do outside work. Call or write Peter Castric, Hermiston. 49-3p

FOR SALE — 500 TURKEYS, Bronze, half grown. Will sell cheap, 75c per bird. Fred Ely, Morgan, Oregon. 49-3p

200 WHITE LEGHORN PULLETS for good winter eggs. Low price. "Vigorbilt" Hatchery, Hermiston, Oregon. 48-3p

FOR SALE—FIRST TIME OFFERED for sale, my poultry and dairy ranch in south part of town; modern buildings and ample water. May accept some trade. Liberal terms. C. M. Best. 48-tfc

GOOD BUYS IN USED CARS — See the Hermiston Auto Co. 44-1c

WANTED — ALL KINDS SCRAP iron and farm machinery, \$5 per ton. Beal's Blacksmith Shop, Hermiston. 49-tfc

GOOD BUYS IN USED CARS — See the Hermiston Auto Co. 44-1c

SMALL STUDIO PIANO. WILL sacrifice for quick sale. Cash or terms. Write Pendleton Music House. 47-3c

GOOD BUYS IN USED CARS — See the Hermiston Auto Co. 44-1c

FOR SALE AT ONCE—RANGE, oil stove, 10-ft. table, sewing machine, radio, Frigidaire and other articles. E. A. Thornburg, Westland district. 49-1p

LOCAL AND LONG DISTANCE hauling. Prompt service. Fully insured. Phone 461, Ray Tolar, Echo, Ore. 40-3p-tfc

GOOD BUYS IN USED CARS — See the Hermiston Auto Co. 44-1c

E. P. DODD — REAL ESTATE, sales, leases, exchanges. Insurance—fire, automobile, accident. Notary public, execution of legal papers. Herald office, Hermiston, Oregon. 15-tfc

TYPEWRITERS FOR SALE OR rent — Easy terms. Thompson's Drug Store, Hermiston. 5-tfc

● PAINTING
● PAPERING
● KALSOMINING
— Spray Painting and Signs — Anything - Anywhere - Anytime All Work Guaranteed - Estimates FREE
BERT MICHEL
Phone 131 Hermiston, Ore.

C. A. BINDER
PLUMBING
Call Tum-A-Lum - Phone 3132
Umatilla, Oregon

J. V. VILLERMOURE
ELECTRICAL SERVICE
Phone 3821 Hermiston

W. L. Morgan, D. M. D.
General Dentistry
X-Ray and Diagnosis
Bank Bldg. Ph. 2592 - Res. 2112
Sunday & Eve. by Appointment

Dr. A. E. MARBLE
CHIROPRACTOR
Office: 2 blocks E of post office
Office hours: 8 to 12 - 1:30 to 6
Phone 3061 - Hermiston, Ore.

DR. A. C. WILLCUTT
OSTEOPATHIC
PHYSICIAN & SURGEON
OSBORN APARTMENTS

DR. F. B. BELT
PHYSICIAN & SURGEON
— Office Hours —
10:30 - 12:30 a. m. - 2 - 5 p. m.
Other Hours by Appointment

DR. W. M. MARBUT
PHYSICIAN & SURGEON
Phone 3151 Hermiston

Peterson & Peterson
ATTORNEYS-AT-LAW
U. S. National Bank Building
Practice in State & Fed. Courts
Pendleton, Oregon

W. J. WARNER
ATTORNEY-AT-LAW
Hermiston, Oregon

Youth Awaits Oregon State Fair



Top: Prize livestock from 4-H barns goes on auction block at fair.
Right: Future Farmers have livestock exhibits, too.
Below: The L. L. Patterson cup, much coveted, goes to the outstanding 4-H'er at the fair.



Top: Dollar Dinners are a popular part of the 4-H fair rivalry.
Right: Smiling winners from the 4-H annual style revue.
Below: Future Farmers show a practical farm repair job.



4-H boys and girls and Future Farmers of America from all sections of Oregon will participate in the 79th Oregon state fair at Salem, beginning Labor day and lasting through Sunday, September 8. The fair brings to them a week of keen competition in contests and demonstrations as well as exhibits.