

Hog Lice Riddance Told as Defense Act

Believing that combatting hog lice is important to the successful production of pork needed in the defense program, and that information on the subject is not generally known, Arnold Pieper has asked that space be given information he obtained on the subject from "Destructive and Useful Insects," Metcalf and Flint, 2nd edition, obtained from the Oregon State library. It follows:

Importance and Type of Injury: The only louse found on the body of hogs is a blood-sucking louse, very similar in appearance to the short nosed cattle louse, but about twice as large when mature. It reaches a length of nearly 1/4 inch and is the largest bloodsucking louse found on any farm animal. On account of its size, it is easily seen, although its color is a dirty gray-brown, almost matching the skin of the hog. The margins of the body and appendages are bordered with black. The lice torment the hogs by piercing the skin to suck the blood. This causes the animals to rub vigorously against feed troughs and fences and to scratch with their feet. The skin becomes thick, cracked, tender, and sore, the animals restless and unprofitable.

Control Measures: Where the number of hogs in the herd is not too large the best method of treatment is applying a thin even coat of oil over their bodies with a fin-bristled brush. Especial attention should be given to the inside of the ears, the folds of the skin about the neck and the inner surface of the thighs, to be sure that all lice and eggs are wet with the oil. Any of the following mixtures is satisfactory: (a) crude petroleum, (b) raw insect oil, (c) half and half kerosene and lard, or (d) equal parts kerosene and cottonseed oil. Every animal in the herd should be treated and then again in two weeks. Hogs must be kept out of the sun and not driven or excited for a day after oiling. A simple and effective method of treatment is to apply crude oil or used crankcase oil directly to the hogs by means of a sprinkling can. Two or three applications should be made at intervals of 2 or 3 weeks. If animals cannot be treated by hand they should be dipped in natural crude petroleum or the processed fuel oil or in one of the commercial coal-tar-cresosote dips. The Department of Agriculture also recommends the use of medicated hog wallows. They should be made of concrete and should be drained once a week or so changing from the oiled water to the clear water.

They should contain 3 or 4 inches of water, to which is to be added once a week, a quart of crude petroleum for each hog. A day or two after each application of oil, the wallow is drained and the hogs are given water without oil the rest of the week. A one percent solution of pine tar in water may be used instead of the petroleum on water. Such a wallow should be built in a shady place, all other wallows done away with, and the oil added in the evening, but not until the hogs are accustomed to using the wallow with water alone. The so-called hog oilers, consisting of an oil-saturated fabric of some kind wrapped about a post, or commercial metal hog oilers, against which the hog may rub and so wet its skin with oil, are not considered very effective, because they cannot treat the parts of the body worst infested. The lice cannot live off the host more than a few days, and do not breed in the bedding. Suggestions for dipping and detailed plans for a dipping vat are given in U. S. Department of Agriculture, Farmers' Bulletin 1085.

Predatory Animal Funds Allocated

Seventeen Oregon counties will share in the \$10,200 allocation for predatory animal control made by the state department of agriculture for the first six months of 1942. The appropriations are based upon necessity for control and eradication of predatory animals, and also the willingness of counties to match the sum set aside.

Maximum allocation for Morrow county for the next six months is \$750.

An additional \$9,400 has been held for allocations covering the last six months of the current year.

Texas Pays U. S. O. In Full



A newspaper career starting on the old Heppner Gazette carried Garfield Crawford into a number of larger positions. As a member of a leading Texas public relations firm he most recently directed the U. S. O. fund raising campaign for the state of Texas, and is here shown (right) with Jay Silverberg, Corsicana business man, and state treasurer for U. S. O., in the offices of E. B. Germany, Southwestern Texas director, Dallas, as Silverberg signed the final check for \$78,000 which put Texas' quota over the top. In transmitting the picture for benefit of old-time friends, Crawford opined that he has worked publicity for many years, but this is the first time he himself has been publicized.

Pendleton PCA to Hold Annual Meeting

Thursday, January 22, was chosen for the date of the eighth annual meeting of the Pendleton Production Credit association by the board of directors at its meeting held in Pendleton recently, according to W. E. Moore, secretary-treasurer.

Farmer and stockmen members of the association will come to the meeting from Wallowa, Union, Umatilla, northern Grant, and Morrow counties—the territory served by the association. The members will receive reports of the association's business for the year and will elect directors to succeed board members whose terms expire.

National defense and the work of the association in helping its members finance increased production in cooperation with the Food for Victory program will be the keynote of the meeting. A. R. Robertson, vice president of the Production Credit corporation of Spokane, will be the guest speaker, and the program will include several entertainment features.

The meeting will be held in the Vert Memorial building at Pendleton and a turkey dinner will be served at noon to the members, their wives, and invited guests.

FIRST AID BOOKS WANTED

It has been requested by the first aid chairman that those persons having first aid books, revised edition, and not in use, please bring them to the sheriff's office. It has been impossible to secure these books from Portland at this time. It

Grand Coulee to Get Much Defense Money

Spokane, Wn.—With the need for Grand Coulee power for defense industries becoming more vital every day, further funds for this great project were among those requested from congress. President Roosevelt recommended in his annual budget message that it continue construction and expansion of hydroelectric projects in California, Washington and Oregon at a cost of more than \$100,000,000 during the fiscal year starting next July 1.

Of this amount, Grand Coulee would receive \$19,175,000.

Aliens Must Purchase New Gun Licenses

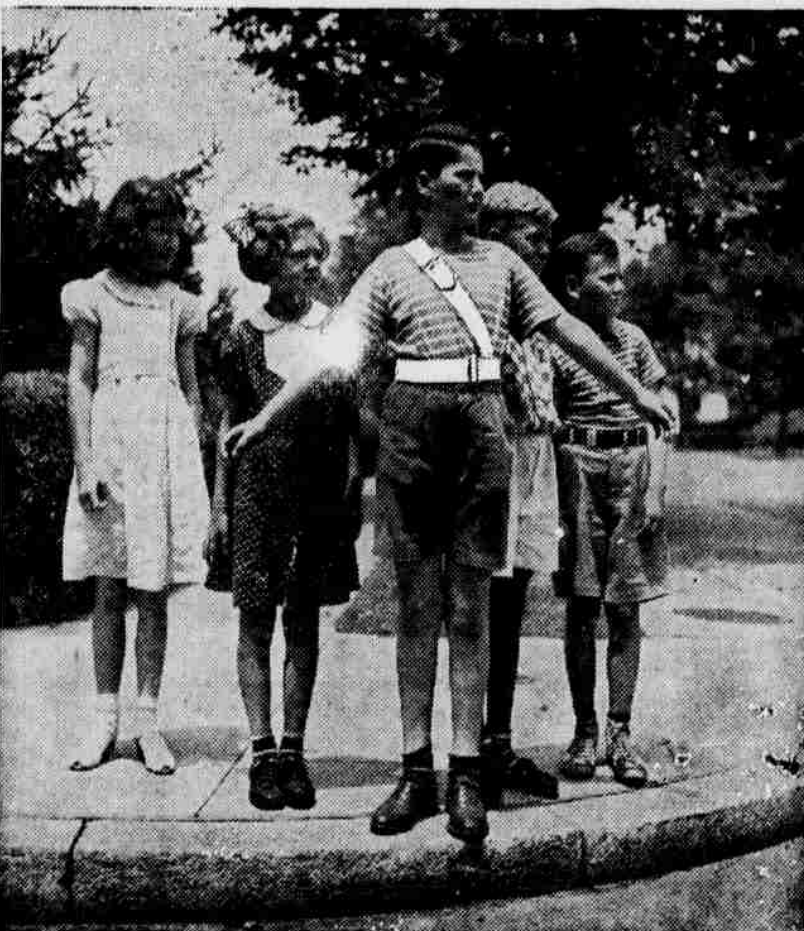
Attention of all aliens is called to the fact that before any alien is eligible to purchase a hunting or trapping license, he must buy from the Oregon State Game commission an alien license for the current year.

Gun licenses issued to aliens in previous years are no longer effective as the attorney general has ruled that a gun license is valid only during the calendar year in which it is issued and must be renewed annually.

would be greatly appreciated if these books could be used until the new supply arrives. It will be impossible to conduct first aid classes without these books.

Mrs. Jim Burnside has been ill for the last week at the home of Mrs. Lorena Marquardt.

PEDESTRIAN PROTECTION — Patrol Members on Guard for Safety



Mustangs Win From Condon, John Day

Heppner high's Mustangs added two more victories last week end in their march toward championship in their district. They took the Condon Blue Devils, 34-18, on the local floor Friday night, and topped the John Day Prospectors there on Saturday night, 47-10.

Heralded as what should prove the most exciting battle of the season, will be the Hermiston-Mustang tussle here tomorrow evening. In the first meeting of the two teams at Hermiston Heppner had the long end of a 27-22 score.

Friday's Condon-Heppner game was the initial league game of the season. Half-time score was 17-9. Each team made the same amount of points in the second half as in the first half. The half-time score in the John Day game was 28-2.

Line-ups and scoring:
Heppner—34 Condon—18
Barratt 15 f Wade
Skuzeski 7 f Burns
C. Snow 2 c Pryor
Pinckney 4 f Simmons
Scrivner 3 g Dykstra
Drake s Potter
Ferguson 1 s Murphy
Padberg 2 s Evans
Heppner—47 John Day—10
Barratt 8 f McKennis
Skuzeski 4 f Shidler
Drake 8 c Phillips
Pinckney 10 g Pay
Scrivner 7 g Clayton
Padberg s Ashton
Ferguson 4 s Cordwell
Davidson 6 g Bruce
The Heppner "B" squad also won its game from the Condon "B" squad in the Friday matches, 35-7.

New Light Fuels Tested in OSC Lab

Oregon State College—Some of the light petroleum fuels now replacing gasoline for some purposes use more pounds of air per pound of fuel than is the case with gasoline, according to a research bulletin issued by the engineering experiment station at Oregon State college, entitled "Optimum Power and Economy Air-Fuel Ratios for Liquefied Petroleum Gases."

Fuels on which tests were run included propane, n-butane, isopentane, iso-octane, and gasoline. With these lighter fuels leaner mixtures than used with gasoline will result in maximum economy, the report shows. Propane, for example, was found to give greatest power at 15.5 pounds of air per pound of fuel, though greatest economy at 17.9 pounds of air per pound of fuel. Gasoline, on the other hand, gave maximum power at the proportion of 13 to 1 and maximum economy at 16 to 1.

The bulletin, by W. W. Paul and M. N. Popovich of the mechanical engineering department, may be had free.

Lola McCabe, small daughter of Mr. and Mrs. Lonnie McCabe of Ione is ill with a light attack of pneumonia.

I. O. O. F., Rebekahs Install New Officers

Heppner lodges of Oddfellows and Rebekahs held joint installation of new officers at their hall last Friday evening, preceded by turkey dinner in the dining room.

Installing officers were Cornett Green, district deputy grand master, Anna Brown, district deputy president, and Lee and Etta Howell, grand marshalls. Installed were:

Rebekahs: Florence Green, noble grand; Mary Bailey, vice grand; Lillian Turner, secretary; Sadie Sigsbee, treasurer; Alma Green, warden; Della Davidson, conductress; Margaret Thomas, inner guardian; Mattie Green, chaplain; Verna Hayes, musician; Anna Brown, right supporter noble grand; Margaret Phelps, left supporter; Neva Wells, right supporter vice grand; Etta Howell, left supporter.

Oddfellows: George Howard, noble grand; Norton Lundell, vice grand; Emmett Ayers, secretary; Tom Wells, treasurer; Cornett Green, warden; Alex Green, conductor; Durward Tash, chaplain; Lee Howell, right supporter noble grand; Charles Barlow, left supporter; Ray McAlister, inside guardian; Ernest Hunt, outside guardian; Harold Hill and Ralph Beamer, right and left supporter vice grand.

Dr. A. D. McMurdo was in Pendleton Tuesday evening where he attended a joint meeting of the bar and medical associations of Umatilla county. Several army doctors were present.

STAR Reporter

FRIDAY-SATURDAY

Zane Grey's LAST OF THE DUANES

George Montgomery, Lynne Roberts, Eve Arden, George E. Stone, William Farnum

An exciting story of the lawless days of the Texas frontier, packed with action, adventure and thrills.

—Plus—

CHARLIE CHAN IN RIO

Sidney Toler, Mary Beth Hughes
The latest adventures of the popular Chinese detective.

SUNDAY-MONDAY

SMILIN' THROUGH

(In Technicolor)

Jeanette MacDonald, Brian Aherne, Gene Raymond, Ian Hunter

One of the most famous love stories ever told—with the addition of such beloved songs as "Smilin' Through", "Just a Little Love a Little Kiss", "Smiles", "It's a Long, Long Trail", and "Drink to Me Only With Thine Eyes"—is a glorious triumph.

TUESDAY Bargain Night

TWO LATINIS FROM MANHATTAN

Jinx Falkenberg, Joan Woodbury, Joan Davis

Jinx Falkenberg, one of America's leading models, leaves the magazine covers for the movies and has as her first picture a musical mixup with a South American flavor. Hear her sing "Daddy", "How Do You Say It", "Kid With Drum".

WEDNESDAY-THURSDAY

IT STARTED WITH EVE

Deanna Durbin, Charles Laughton, Robert Cummings

It's a slick and sprightly comedy—clean as a pin and sharp as a tack—with five beautiful songs sung (beautifully, of course) by Deanna. Also in the cast are Guy Kibbee, Margaret Tallichet, Walter Catlett.

Also "Glimpses of Washington State" in Technicolor.

DON'T TAKE THIS LYING DOWN . . .



When men are fighting and dying, you must do your part. Be sure you enlist your DOLLARS for DEFENSE. Back our armed forces—and protect your own life—with every single dollar and dime you can.

America must have a steady flow of money pouring in every day to help beat back our enemies.

Put Dimes into Defense Stamps. And put Dollars into Bonds. Buy now. Buy every pay day. Buy as often as you can.

Don't take this lying down.