STOCK-POISONING PLANTS IN THE GENERAL VICINITY OF HEPPNER

(Continued from last week)

Just what specific plants are poisonous in the Heppner area we do not know for sure. We know Lupine is poisonous but there are several different kinds of Lupine, for example, and maybe only one (or maybe all!) of them are poisonous. The large, silvery colored lupine is probably poisonous, but there is a smaller. more erect lupine that dries up quickly which may also be poisonous. All of these things we would like to get complete evidence on. Consequently, here we are merely going to mention plants, or their close relatives, which occur in this vicinity and which are known to be poisonous elsewhere. Such plants as the low Larkspur, of course, we know to be poisonous—the same as Death Camas.

We think it useless to go into a detailed description of these plants because, to really know a plant, there's only one sure way and that's to see it. Consequently we will make reference to certain general, conspicuous characteristics, and, if you happen to be troubled with a poisonous plants on your ranch, we merely refer you to personnel of the U. S. Forest Service, Division of Grazing, County Agent's office or the Soil Conservation Service. All of these agencies have men qualified in the identification of these plants, and they will be more than glad to render any aid possible. If a specimen is brought to town be sure that it is the whole plant, roots and all, and preferably either in blossom or seed. If you can't come to town immediately, plants may be easily preserved by spreading them out and placing them between two absorbent pieces of paper, under the weight of 3 or 4 books, and putting them out in the sun or near a stove. The paper should be replaced with dry sheets every day. The roots, of course, should be soaked in water if necessary to free them of all dirt, and then dried out, before pressing the plant. When the plant is thoroughly dried and pressed it may be shelved away between the sheets of a newspaper, and will preserve well for a considerable period if not handled roughly. Flowers, of course, will fade in color, but the plant can be tagged with a note describing the color of the flower, and incidentally, describing also when the plant was collected and where (what part of the ranch, in a dry or wet place, in what kind of soil, in a canyon or on a ridge or on a north or south exposure) and perhaps also the general habit of growth of the plant.

It is also quite important to note just exactly **how** poisoned animals behave, and which class of stock suffers the worst. Many times symptoms give a very strong lead to the particular plant which is causing the poisoning, and sometimes it is a "dead give-away."

Loco-Poisoning:

Loco-poisoning is common in the west and in this general vicinity there are two loco plants, Spotted Loco (Astragalus lentiginosus) and Tufted Loco (A. purshii) which are considered poisonous elsewhere. In the north end of the county, however, there are two locoes (rattleweeds) which are quite palatable to sheep and seemingly quite harmless (Astragalus succumbens and A. Sclerocarpus). The latter especially is quite palatable there, and it has been seen here on the north rim of Hinton creek canyon. This particular rattleweed is very green in appearance and stands one to two feet high. The leaves are very narrow, like pine needles, and the plant resembles the Lotus of the southwest very much in general appearance.

The leaves of all locoes (rattleweeds are similar in arrangement to those of the locust tree, small leaves coming out on each side of a main leaf stem. Tufted loco is a very small "bunchy" plant with fuzzy leaves and a very fat, densely white-haired pod. Spotted loco is much larger and the pods are not hairy. All locoes have a characteristic pea flower, and are oftentimes referred to as milk-vetches as well as rattleweeds (from the noise the seeds make rattling in the dried pods).

Our locoes are usually found in a dry habitat, in sand as well as loam. In Oregon loco is known to effect horses and in other states cattle and sheep as well. The poison in the plant is peculiar in that it is a slow-acting, cumulative poison, and animals never become immune to it. It is quite habit forming and animals never become poisoned until they have been afflicted with the loco habit. It is quite probable that the poison is distributed more or less evenly throughout the entire plant and that the loco is posonous at almost any time of year. The fact that so many animals are locoed in the summer has no particular bearing on seasonal toxicity because of the fact that the poison is cumulative and the habit must be acquired before symptoms appear. Cases of loco-poisoning may last anywhere from a few days to a year or more. Individual animals may vary greatly in their susceptibility to this poisoning.

The symptoms are alike in all classes of stock in the main. At first the animal becomes stupid and loses in condition, although steers have been known to become suddenly frantic and run pell-mell into any obstruction, or violently shake their head backward if alarmed. Horses often fall backward when frightened. Some animals become solitary and stand in one position for hours. All animals show a lack of muscular coordination and become, sooner or later, quite excitable; their gait is staggering and irregular, their eyes glassy and their sight often lost or impaired. A shaggy coat is characteristic; in sheep the fleece comes off in patches. Cattle and horses apparently see things incorrectly or the exact opposite to what they are; leaping high over a rut in the road is characteristic. The animal usually trembles nervously, and becomes quite emaciated.

Locoed sheep are less violent, becoming weak and stupid; they stumble and fall, rising with difficulty. They are hard to herd, often straying from the band, and are unable to take care of themselves.

In all animals death results from sheer exhaustion following the characteristic climax convulsions, and from lack of feed and drink. Generally all animals are constipated.

Horses but rarely seem to recover from the loco habit. If, however, by the time you are ready to administer treatment, the animal is worth saving we would recommend the following treatment. As a drench about one pound of Epsom salts to a mature cow, two oz. to a calf, eight oz. to a horse and four oz. to a mature ewe should be administered. Feed of a laxative character such as alfalfa should be given. Horses also benefit from about 4-6 drams of Fowler's solution; cattle are helped by the hypodermic injections of 3-20 to 4-20 grains of strychnine, to sheep about 1-20 grain. These doses should be continued for a month, as recoverey cannot be rapid because of the extended period over which the poisoning is contracted.

Prevention consists mainly in watching out for infested areas, and separating locoed animals from others who might learn the habit, especially true of young stock. Grubbing, when applicable, is effective, but must be done 2 or 3 times a season and every season as the loco seeds do not all germinate at the same season of the year, some even lying dormant until the following year. The seeds, however, are not carried long distances by the wind. In grubbing the plants should be severed from two to four inches below the ground.

David Hynd, secretary Hynd Bros. company, in town Tuesday, said weather was ideal and everything coming along fine in the company's lambing operations.

RELIEVE MISERY OF
COLDS

12 TABLETS
15c
2 FULL DOZEN 25c
INSIST ON GENUINE BAYER ASPIRIN

Consumer to Get Protection Under New AAA Farm Act

An analysis of the new farm act recently passed by Congress indicates that the welfare of consumers as well as producers was considered in the provisions of the bill, according to N. E. Dodd, chairman of the Oregon committee, who attended the regional conference on the bill in Salt Lake City.

By encouraging continuous storage of reserve supplies, the bill safeguards consumers against inadequate supplies of wheat and corn, the principal grains used for human food, and important for livestock and poultry feeds.

For wheat the normal carryover in the United States is set at about 100 million bushels. Acreage allotments under the new program will aim at production which allows for more than two million bushels in storage. Marketing quotas for limiting the sale of wheat could not be put into effect until supplies reach 250 million bushels in excess of the average consumption and export figure. With corn, marketing quotas cannot go into effect until approximately 440 million bushels are available in storage.

The act specifically directs that the powers conferred "shall not be used to discourage the production of supplies of foods and fibers sufficient to maintain normal domestic human consumption." It also directs the secretary of agriculture to "give due regard to the maintenance of a continuous and stable supply of agricultural commodities from domestic consumption adequate to meet consumer demand at prices fair to both producers and consumers."

Secretary Wallace has said that agriculture carries the social responsibility of providing abundant farm products, and that farm people as a whole are in full sympathy with the consumer safeguards provided in the act. In turn, he says, farmers should be protected as far as possible against ruinous market fluctuations which have frequently denied them a fair income from their products.

Harvesting, handling and marketing of agricultural products would be protected from interference by labor organizations under the terms of a revised initiative measure filed in Salem this weeek. The revised measure contains more teeth than did the original bill filed by the same sponsors two weeks ago. As did the first draft so also does the new one seek to define labor disputes, to regulate collective bargaining agencies and to forbid picketing and boycotts except in the case of a bona fide labor displte.

3000 acres of early grass for rent. Ralph Reade, Spray, Ore. 50-6

CALL FOR WARRANTS

Outstanding warrants of School District No. 1, Morrow County, Oregon, numbered 4484 to 4526 inclusive, will be paid on presentation to the district clerk. Interest on said warrants ceases March 11, 1938.

MURIEL VAUGHN, Clerk,
Heppner, Oregon.

Want Ads

For sale—Heavy duty drag saw. Heppner Blacksmith Shop. 52-2

For sale, cheap, double stovepipe, 10 in., 16 ft., galvanized outside. Homer Tucker. 1tp.

Apartment—3 rooms with bath, vacant March 15. Bonnie Cochran.

Room for rent—Furnished, all modern conveniences, furnace heat-outside entrance. Mrs. Arthur McAtee.

Trailers, 2- and 4-wheel chassis; '27 Ford with Chev. trans.; '27 Pontiac, '27 Ford, '28 and '29 Chev motors. Max Schulz, city. 1tp

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For sale—Baby chicks, Hansen strain W. L., 8c; custom hen eggs, 2¼c. Salter Hatchery, Ione. 52tf.

For sale—Beardless barley, $35 ton. Rufus Piper, Lexington. 52-2p

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For sale or rent, Geo. McDuffee residence; barn, chicken and garden facilities. See Mrs. H. W. Buhman.

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2 McCormick-Deering hoe grain drills; 1 Moline 8-ft. 26-in. disc plow; terms if desired. Hulden Motor & Implement Co., Arlington, Ore. 51-1

6-ft. tamarack posts, cut green and peeled, 9c at Ione. Charles Renoe. 51-1

Will care for children afternoon or evening, reasonable. Bonnie Cochran.

Why not buy an income with a home, furnished or not? Reasonable, easy terms. Bonnie Cochran, city.

Rhea creek ranch for sale or trade. Gerald Slocum, city. 34tf

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Notson residence for sale. Inquire at residence. 30tf

NOTICE OF SHERIFF'S SALE OF COUNTY PROPERTY

By virtue of an order of the County Court, dated 2nd day of March, 1938, I am authorized and directed to sell at public auction, as provided by law, the following property, at not less than the minimum price set out after the description:

Lots 1 to 12 inclusive, Block 32 to the Town of Irrigon, Morrow County, Oergon. Minimum price 40.00.

Therefore, I will, on Saturday the 26th day of March, 1938, at the front door of the Court House in Heppner, Oregon, at the hour of 2:00 P. M., sell sadi property to the highest and best bidder for cash in hand.

Dated this 3rd day of March, 1938.

C. J. D. BAUMAN, Sheriff.

NOTICE OF FINAL ACCOUNT

Notice is hereby given that the undersigned administrator of the estate of Frank A. Lundell, deceased, has filed with the County Court of the State of Oregon for Morrow County, his final account of his administration of said estate and that said court has set Monday, the 4th day of April, 1938, at the hour of 10:00 o'clock in the forenoon of said day in the County Court room at the Court House at Heppner, Oregon, as the time and place for hearing objections to said final account and the settlement of said estate and all persons having objections thereto are hereby required to file the some with said court on or bfore the time set for said hearing.

Dated and first published this 3rd day of March, 1938.

E. R. LUNDELL,
Administrator.

NOTICE FOR PUBLICATION

Department of the Interior, General Land Office at The Dalles, Oregon, February 24, 1938.

NOTICE is hereby given that Ivan Applegate, of Heppner, Oregon, who, on September 7, 1934, made Original Homestead Entry, act Dec. 29, 1916, No. 028978, for Lot 4, Sec. 6, T. 7, S., R. 29, E., Lots 2, 3, 4, 7-9-10-15, W½ SE¼, SE¼SE¼, Sec. 31, SW¼, Section 32, Township 6, S., Range 29, E., Willamette Meridian, has filed notice of intention to make final proof, to establish claim to the land above described, before W. J. Warner, United States Commissioner, at Hermiston, Oregon, on the 9th day of April, 1938.

Claimant names as witnesses:
Merle Swaggart, of Lena, Oregon.
Claude Buschke, of Heppner, Oregon.
Art Alderman, of Ritter, Oregon.
William Hodge, of Ritter, Oregon.

W. F. JACKSON,
Register.

NOTICE OF FINAL ACCOUNT

Notice is hereby given that Fred M. Akers, administrator of the estate of J. H. Jones, deceased, has filed his final account of the administration of said esttae with the clerk of the County Court of the State of Oregon for Morrow County, and the said court has set as the time and place for hearing and settlement of said final account, April 4, 1938, at the hour of 10:00 A. M. of said day, in the County Court room of the Court House of Morrow County, State of Oregon.

Anyone having objections to said final account must file same on or before that date.

Dated and first published February 17, 1938.

FRED M. AKERS,
Administrator.

NOTICE OF FINAL ACCOUNT

Notice is hereby given that the undersigned, Jessie Gross Mitchell, Administratrix of the Estate of Robert C. Mitchell, deceased, has filed with the County Court of the State of Oregon for Morrow County, her final account of her administration of said estate, and that the said Court has set Monday, the 4th day of April, 1938, at the hour of 10:00 o'clock A. M. of said day at the County Court room at the Court House at Heppner, Oregon, as the time and place for hearing objections to said final account and the settlement of said estate, and all persons having objections to said final account or the settlement of said estate are hereby required to file the same with said Court on or before the time set for said hearing.

Dated and first published this 17th day of February, A. D. 1938.

JESSIE GROSS MITCHELL,
Administratrix.

NOTICE OF FINAL ACCOUNT.

Notice is hereby given that the undersigned, administrator of the estate of Sarah Piggott, deceased, has filed his final account with the County Court of the State of Oregon for Morrow County of his administration of the estate of said deceased, and said court has set Monday, the 14th day of March, 1938, at the hour of 10:00 o'clock in the forenoon of said day in the County Court Room at the Court House at Heppner, Oregon, as the time and place for hearing objections to said final account and all persons having objections to said final account or the settlement of said estate are hereby required to file the same with said court on or before the time set for said hearing.

Dated and first published this 10th day of February, 1938.

HENRY V. SMOUSE,
Administrator.

ESTATE OF GEORGE WILLIAM METCALF.

NOTICE OF EXECUTOR'S SALE
No. 42301

In the Circuit Court of the State of Oregon for the County of Multnomah Probate Department.

In the Matter of the Estate of George William Metcalf, Deceased.

Notice is hereby given that the undesigned, executor of the Last Will and Testament of George William Metcalf, deceased, by virtue of an order of sale issued out of the Circuit Court of the State of Oregon for the County of Multnomah, duly made and entered on the 7th day of February, 1938, in the above entitled estate, licensing and authorizing the said executor to sell the hereinafter described real property belonging to the estate of said deceased, will offer for sale and sell at private sale for cash at 374 United States National Bank Building, Portland, Oregon, all of the following described real property situate in the County of Morrow, State of Oregon, to-wit:

The southeast quarter (SE¼) of Section Six (6); the northeast quarter (NE¼), the east half of the southwest quarter (E½SW¼), and Lots Three (3) and Four (4) of Section Seven (7); the northwest quarter (NW¼) of Section Eight (8); the east half of the northwest quarter (E½NW¼) and Lots One (1) and Two (2) of Section Eighteen (18), Township Two (2) South of Range Twenty-five (25) East of the Willamette Meridian.

Bids will be received by the undersigned on and after the 19th day of March, 1938. The said sale will be made subject to confirmation of the above entitled court.

Date of first publication, February 17, 1938.

Date of last publication, March 17, 1938.

J. R. LEACH, Executor.
Harry E. Hall, Attorney for Executor
374 U. S. Bank Building
Portland, Oregon.

NOTICE OF FINAL ACCOUNT

Notice is hereby given that the undersigned executor of the estate of Lucretia Somo, deceased, has filed his final account of his administration of said estate with the County Court of the State of Oregon for Morrow County and that said court has set Monday, the 4th day of April, 1938, at the hour of 10:00 o'clock in the forenoon of said day in the County Court room at the Court House at Heppner, Oregon, as the time and place for hearing objections to said final account and the settlement of said estate and all persons having objections thereto are hereby required to file the same with said court on or before the time set for said hearing.

Dated and first published this 24th day of February, 1938.

JOS. J. NYS, Executor.

NOTICE OF FINAL ACCOUNT

Notice is hereby given that the undersigned have filed with the County Court of the State of Oregon for Morrow County their final account of their administration of the estate of S. P. Devin, deceased, and said Court has set Monday, the 4th day of April, 1938, at the hour of 10:00 o'clock in the forenoon of said day at the County Court room at the Court House at Heppner, Oregon, as the time and place for hearing objections to said final account and the settlement of said estate and all persons having objections thereto are hereby required to file the same with said court on or before the time set for said hearing.

Dated this 23rd day of February, 1138.

HARLAN J. DEVIN,
Executor,
ALMA D. CLOUSTON,
Executrix.