

Expert Warns of Worm Damage

Severest Outbreak Is Foreseen by Leading Entomologist in Illinois.

By W. F. Flint, Chief Entomologist, Illinois State Natural History Survey.—WNU Service.

One of the most severe outbreaks of army worms that Illinois has had in recent years is threatened, and farmers should be on guard to protect their crops.

Although the outbreak will be spotted and will not occur in all sections of the state, severe damage will be done in many areas. It will be well to keep careful watch on all heavy stands of grain or heavy bluegrass pastures and get the worms before they cause serious damage.

While army worms may destroy entire areas of bluegrass pasture or fields of small grain or young corn in a short time, they can be completely and cheaply controlled by the use of poisoned bran baits. The bait that has been most generally used has a base of one pound of paris green mixed dry with 25 pounds of bran. When this is thoroughly mixed, there is added three gallons of water in which two quarts of cheap molasses, preferably black strap, has been thoroughly dissolved.

Early Fighting of Moth Important to Fruit Men

The codling moth can almost certainly be counted on as the number one apple insect pest this year, asserts a bulletin from the United States Department of Agriculture. Growers spend enormous sums to combat it, but this pest has become increasingly destructive, according to Lee A. Strong, chief of the bureau of entomology and plant quarantine. Strong attributes this increase to the greater age of apple trees, to the abandonment of some orchards and to weather favorable to moth development.

Placing Fertilizer

Proper amounts of fertilizing per acre for corn depends both upon the type of soil and upon the method of application. Most of the old-type fertilizer attachments did not give good separation between the fertilizer and the seed, and when one of these is used not more than 100 or 150 pounds of commercial fertilizer should be used per acre, Robert M. Salter, Ohio State university agronomist, warns. With the newer arrangement, which places the fertilizer at the side of the seed in the hill, more fertilizing can be used, ranging from 125 pounds for the dark-colored soils to 200 pounds for the poorer light-colored soils. For row application to drilled corn, these amounts may be increased 25 to 50 pounds.

Large Udders

Cows of high production almost invariably have large udders and, as a rule, the udders of such cows remain large throughout most of the lactation period. The size decreases somewhat, following each milking. Extending forward from the udder on the under side of the body are the milk veins which carry blood from the udder toward the heart and in high-producing cows usually are large. They ordinarily increase in size from first calving up to maturity. A well-developed, large udder and large milk veins are good indications of dairy capacity, although they are not infallible guides.

Printing is far superior to any so-called substitute. No Money Auction July 20. Loose Leaf Binders. Sentinel.

Eighteen Square Feet of Skin Covers Human Body

If you are average in size, it takes 18.8 square feet of skin to cover your body. This has been determined by a method developed by two Detroit physicians, for computing this difficult problem. One of the physicians, Dr. John C. Buzher, described the method to the American Society for Experimental Pathology.

It involves a camera and a mathematical formula. The patient is photographed in both front and side silhouettes after which the prints are made into standardized sizes. Then a planimeter traces around the borders of the silhouettes, automatically calculating the area within. A chartometer makes a second trip around the silhouettes automatically registering the length of the border lines.

This method gives results which are accurate within 1 or 2 per cent, while the error allowances for older systems was from 6 to 16 per cent.

Skin area measurement plays an important part in the treatment of thyroid and ductless diseases. An accurate knowledge of the body surface is essential for the estimation of basal metabolism.—Washington Post.

Believes Pepi II Reigned for the Longest Period

It is believed by historians that the reign of Pepi II of the sixth Egyptian dynasty was the longest on record. According to James Henry Breasted, Pepi II ascended the throne about 2566 B. C., when he was only six years old, and reigned 91 years. The reign of Louis XIV of France is the second longest on record. He ascended the throne in 1643 at the age of five and reigned until his death in 1715, a period of 72 years. Francis Joseph of Austria-Hungary reigned nearly 68 years, from 1848 to 1916.

The longest reign in the annals of English history was that of Victoria, who ascended the throne in 1837 and reigned 64 years, until her death in 1901. George III reigned from 1760 to 1820, a period of 60 years. The reign of Pedro II of Brazil was 58 years, from 1831 to 1889. Alphonso XIII, born in 1886, was proclaimed king at his birth, he being a posthumous son of Alphonso XII. At the time of his abdication of the throne of Spain in favor of a republic, in 1932, he had ruled 46 years.—Indianapolis News.

Historic Desk Found

The study of Villa Sans Souci, the room in which Frederick the Great wrote and read, was completely transformed after the death of the great Prussian king. His successor, Frederick Wilhelm II, had the original rococo style of decoration removed and the room redecorated in classical style. In consequence of this transformation the furniture of Frederick the Great was dispersed and his favorite writing table was given to the castle caretaker. After that the table disappeared and was only recently discovered in a dealer's auction room. On hearing of it, the German government secured this interesting relic for the nation. Thus the writing table at which the maker of modern Prussia worked for over 40 years has been restored to its original position. Carved from cedar wood and embellished with gilded bronze ornamentation in the rococo style, it was made to specifications in 1746.

Crayfish Short-Lived

Few crayfish (crawfish, crabs) pass through a second winter, says an authority. Eggs are laid in the fall, but the young do not appear until June. They grow rapidly until the middle of September, but do not grow at all from then until March. Most crayfish will live through the second year, but only a few pass through the second winter. Man has probably helped rather than hindered the crayfish, even though he does use them for bass bait. By catching the game fishes, mink, muskrat and raccoon, man has depleted those agencies which prey on crayfish.

When Most Ex-Presidents Lived

Between March, 4, 1801, when Abraham Lincoln took the oath as President, and January 18, 1862, when John Tyler died, there were five living ex-Presidents of the United States, a greater number than at any other period. They were Martin Van Buren, John Tyler, Millard Fillmore, Franklin Pierce, and James Buchanan. The number of ex-Presidents who were living at that time was largely because no President elected between the years 1836 and 1860 served more than four years.

Printing Prices Are Low in Cottage Grove.

Carving of Human Bones

Only some fundamental instinct can account for parallel customs among primitive peoples who never met or even heard of one another's existence. For example, one of the most common practices of prehistoric man was the carving of human bones. These carvings have been found in ancient graves in almost every part of the world.—Collier's Weekly.

Females Dominate

Females dominate in insect life declares a European scientist, and there are signs among human beings that females are gradually getting control.

WANTADS

WANTADS STRICTLY CASH. One cent a word, minimum 25c; three insertions for price of two; additional insertions for one-third the price of three.

FOR SALE OR TRADE.

CALLAHAN'S ANNIVERSARY SALE prices save you dollars and cents—lower prices—bigger and better stock—Helling Theater building, Eugene, 550 Cogswell, used, \$125; 250 Mohair usedavenport, \$39.75; used day bed, \$8; used iron 2-in. post bed, \$3.95; new coil bed spring, \$4.95; new full size mattress, \$4.95; coffee cup special, 5c; glasses, 3 for 10c; plates, 10c; 225 porch swing, \$18.75; lawn chair, \$1.25; wood range, used, \$12; cook stove, used, \$6; 80 range, all enamel, used, \$49.75; new bedroom set, \$27.50; new electric iron, guaranteed, 95c; electric plate, guaranteed, 95c; 2-burner electric plate, guaranteed, \$2.49. Jy11-25p

WOOD.—Bone Dry Slab, \$2.50 cord; Block and Planer Wood, Special Rates on Winter Supply. ERVIN HANSEN, 707 N. 10th St. Phone 184-R. Jy27-15c

FOR SALE.—Five bred girls, Chester Whites. Archie E. West, Dorena. Jy18p

LOGANBERRIES are ripe. Bring your containers and pick them yourself. Save price of picking. Phase 2-F-22. Two miles west of Cottage Grove on Lorane road. W. A. HENNINGWAY. Jy4-18p

WILL SACRIFICE beautiful eleven acre tract near Lorane, some fruit, old barn, five acres ready for plow, balance pasture and timber. Price \$550, terms or discount for cash. See me for other good buys in large and small acreage. James A. Scott, owner, Black Butte route, Cottage Grove, Ore. Jy4-15c

I WELLS. Real silk hosiery, Fashion Trunks, Pure moth tablets, 2 for 25c; Kristite rubber products, Metalcrafts Memorial markers. Call me for appointment, no obligation to buy. Belle Burkholder, agent, Cottage Grove, 180-J. Jy18-15p

REMOVAL SALE.—House dismantled and removed from premises. SEE HALL & JOHNSTON, 405 Main St., Cottage Grove, Ore. Jy18p

LOST AND FOUND.

LOST.—Brown coin purse, in front of Penney's Monday, Phone 54-L. Mrs. N. E. Glass. Jy18p

POSITIONS WANTED.

STENOGRAPHER, single, wishes six months' employment. One year experience in law office, six months commercial and other experience. Box 66, Cottage Grove. Jy11-15p

FOR RENT.

TWO FURNISHED bedrooms for rent. Mrs. V. S. Goff, 732 Gibbs, Phone 254-J. Jy11-25p

WANT TO BUY.

WANT TO BUY—Antiques and old-patented glass. Mrs. James P. Graham, 625 South River road. Jy11-25p

MISCELLANEOUS.

WANTED.—Owners of Pioneer Relics in vicinity of Cottage Grove to keep them at home for the present. Jy18-15p

PIONEER DAYS.

NOTICE FOR PUBLICATION. Department of the Interior, U. S. land office at Roseburg, Ore., June 12, 1935.

Notice is hereby given that Jesse E. Burleson of Saginaw, Ore., who, on Feb. 9, 1931, made homestead entry serial No. 019420, for NW 1/4, sec. 17, township 20 S., range 3 W., Willamette meridian, has filed notice of intention to make final three-year proof to establish claim to the land above described, before Wm. H. Cannon, register, U. S. land office, at Roseburg, Ore., on the 25th day of July, 1935.

Claimant names as witnesses: Edward Pettit, Henry Monroe, Henry Whetham, James Monroe, all of Saginaw, Ore. WM. H. CANNON, Register. Jy20-15p

NOTICE OF SHERIFF'S SALE. Notice is hereby given that by virtue of an attachment executed out of the circuit court of the state of Oregon, Lane county on the 10th day of July, 1935, upon and pursuant to a judgment and order of sale of attached property duly given and made by said court on the 13th day of July, 1931, in an action pending therein, in which H. S. Cline was plaintiff, and Lead Crystal Mining company, a corporation, was defendant, which execution and order of sale were to me directed, and commanded me to sell the mining claims and property hereinafter described to satisfy said judgment, interest, costs and accruing costs, I will, on Tuesday, the 20th day of August, 1935, at the hour of ten o'clock a. m. at the southwest door of the county court house, Eugene, Lane county, state of Oregon, offer for sale and sell at public auction for cash, subject to the redemption provided by law, all the right, title and interest of the said defendant in said action, and all persons claiming by, through or under them, or any of them, in and to the following described real property and mining claims, to-wit:

Recorded in Lane county mining records, Lane county, Ore., at Name of Claim Book Page Mountain Lion 4 239 Escalade 5 50 Knickerbocker 4 171 Friar Tuck 6 292

Also that certain mining claims known as Becky Sharp described as follows: Commencing at a corner No. 1 whence the N. E. corner section 11 T. 23 S. R. 1 E. of the Willamette Meridian bears N. 72°44' 10" E. 946.24 feet, thence S. 13°20' W. 600 feet to corner No. 2, thence S. 76°40' E. 1500 feet to corner No. 3, thence N. 13°20' E. 600 feet to corner No. 4; thence N. 76°40' W. 1500 feet to corner number 1; the place of beginning, variation 20°30' east, excluding from this claim all ground in conflict with Sur. No. 565 El Calado and Mt. Lion lodes and the David and Stone Kessel lodes together with all the dips, spurs and angles, also all the metals, ores, gold and silver bearing quartz, rock and earth thereon, and all the rights, privileges and franchises thereto incident, appurtenant and appurtenant or therewith usually had and enjoyed; also all and singular the tenements, hereditaments and appurtenances therewith usually had and enjoyed; and the rents, issue and profits thereof; and all the estate, right, title, interests, property, possessions, claim and demand whatsoever, as well in law as in equity of said defendants, in or to said premises, and every part and parcel thereof, with the appurtenances, and all being located in the Bohemia Mining district, Lane county, state of Oregon.

Dated and first published July 18, 1935. Date of last publication August 15, 1935. C. A. SWARTZ, Sheriff Lane County, State of Oregon. Jy18-15c By A. E. HULEGAARD, Deputy.

ADMINISTRATOR'S NOTICE. Notice is hereby given to all whom it may concern that the undersigned has been duly appointed by the county court of the state of Oregon for Lane county as administrator of the estate of Laura E. McKernan, deceased.

All persons having claims against said estate, and hereby notified to present the same, duly verified, to me at the office of J. E. Young, attorney in Cottage Grove, Lane county, Oregon, within six months after the first publication of this notice. Date of order June 21, 1935. Date of first publication June 27, 1935. CANDIS M. FOSTER, Administrator, Lorane, Oregon. Jy27-15c J. E. Young, Cottage Grove, Ore., attorney for the estate.

ADMINISTRATRIX NOTICE. In the county court of the state of Oregon for the county of Lane. In the matter of the estate of Herbert Eakin, deceased. Notice is hereby given that by an order of the county court of Lane county, state of Oregon, duly made and entered on the 20th day of June, 1935, the undersigned was appointed administratrix of the estate of Herbert Eakin, deceased, and that she has duly qualified as such. All persons having claims against said estate are hereby notified to present the same, duly verified as required by law, to the undersigned at her residence in Cottage Grove, Ore., within six months from the date of this notice. OLIVIA EAKIN, Administratrix of the Estate of Herbert Eakin, Deceased. Date of first publication, June 27, 1935. Date of last publication July 25, 1935. H. E. Eakin, Attorney for Estate. Jy18-15c

NOTICE TO CREDITORS. Estate of Sarah A. Harvey, deceased. Notice is hereby given that Worth Harvey has been by the county court of the state of Oregon in and for Lane county, appointed administrator of the estate of Sarah A. Harvey, deceased. All persons having claims against the estate of the said deceased are hereby notified to present the same, duly verified, to the said administrator at the First National Bank of Cottage Grove, Oregon, within six (6) months from the 18th day of July, 1935. WORTH HARVEY, Administrator of the Estate of Sarah A. Harvey, Deceased. Jy18-15c

NOTICE OF ADMINISTRATOR'S SALE OF REAL ESTATE. Notice is hereby given that in pursuance to an order of the county court of the state of Oregon in and for the county of Lane on the 16th day of July, 1935, in the matter of the estate of Verva Ethel Frans, deceased, the undersigned, Elmer W. Frans, administrator of the estate of Verva Ethel Frans, deceased, will sell at private sale in one parcel to the highest bidder upon the terms and conditions hereinafter mentioned and subjected to confirmation

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of said court on or after the 17th day of August, 1935, all the right, title, interest and estate of the said Verva Ethel Frans, deceased, at the time of her death in and to the real property described as follows, to-wit:

All that portion of the west half (W 1/2) of the southwest quarter (SW 1/4) of section 33 in township 21 south of range one (1) west of the Willamette meridian lying and being north of Row river and containing 60 acres, more or less, all in Lane county, state of Oregon, except a certain tract of land described as follows: to-wit: Beginning at a point 569 feet east of a point on the west line of the west 1/2 of the southwest 1/4 of section 33, township 21, south of range 1 west of the Willamette meridian, Lane county, Oregon, 18.97 chains south of the northwest corner thereof, and running

thence east 566 feet to the right bank of Row river, thence along said bank in a southeasterly direction to a point due south of the point of beginning, thence north 489 feet to the point of beginning, containing 3.08 acres of land in Lane county, state of Oregon. That the terms and conditions of said sale are for cash in hand subjected to a mortgage given to Axel Berggren for the sum of \$900.

All bids that are offered may be left at the office of H. J. Shinn, attorney for the administrator, in the Jones building in Cottage Grove, Ore., or may be filed with the said administrator. Dated this 18th day of July, 1935. ELMER W. FRANS, Administrator of the Estate of Verva Ethel Frans, deceased. H. J. Shinn, Attorney for Administrator, Cottage Grove, Ore. Jy18-15c

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