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Loans made by this bank may be paid off any time after five years—and the borrower may enjoy the unusual privilege of taking 33 years to repay his loan in installments. The loans are made under supervision of the Farm Loan Board—a bureau of the United States Treasury.

Do you want money on a non-maturing mortgage at 6% interest for a term of from 20 to 33 years, under an amortization plan, to

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Medal Sought for Girl Who Risked Life in Vain Effort to Save Chum

Heroism of Mary Buhner May Gain Recognition from Carnegie Committee.

By S. S. Matlack, International News Service Special Correspondent.

TAMPA, Fla., July 28.—Application has been made by the Brotherhood Class of the Presbyterian Church at St. Petersburg, Fla., for Carnegie hero medal for Miss Mary Buhner, heroic young girl swimmer, who risked death by drowning, or an attack by an unknown sea monster believed to have been a barracuda, in a vain effort to save the life of her chum, Miss Dorothy McClatchie, who bled to death from wounds inflicted upon her leg and thigh by the unseen monster.

They made the mile swim from west end of the dock to the buoy in choppy sea, were getting ready to return when Miss McClatchie, who had been taken from the boat, was seen floating in the water. Miss Buhner, who had been taken from the boat, was seen floating in the water. Miss Buhner, who had been taken from the boat, was seen floating in the water.



Miss MARY BUHNER



Miss DOROTHY McCLATCHIE

In an automobile while being taken from the dock to a hospital, Miss McClatchie was a Canadian girl and had intended going to McGill University, Toronto, but changed her mind because her chum, Miss Buhner, wanted to go to Sullivan, in Virginia.

A few minutes after Miss McClatchie was struck by the fish she began to feel the weakness resulting from the great loss of blood. She never lost her composure, but when she felt herself growing unconscious she said: "Kiss me, Mary; I'm gone!"

Prowler Robs Medford Paper

MEDFORD, July 28.—Among the many rumors flying about town this morning was one that the Mail-Tribune had been wrecked by a band of hooded vandals, and there would be a paper today and none until tomorrow and costly repairs could be made.

Where the rumor came from, no one seems to know, but whoever started it probably knows something about who broke into the Mail-Tribune shop early last night and made off with about \$50 worth of linotype and other equipment.

Of course the guilty person either is a hoodster or knows all about hoodsters, for no ordinary crack-smoker would think of taking these important-looking pieces of metal. They are small, however, easy to carry, and have a ready market value, aside from the monetary loss, and a loss of time to the linotype machine—for an inefficient number of hours—no serious harm has been done, as far as a superficial examination can discover.

When the next high-binder comes along, he will be a talkative fellow. The office forces have been busy all day answering phone calls from subscribers, and the M. T. had hardly been blown up and scattered all over town.

CREAM SEPARATORS AT FACTORY PRICES

Made from the best Swedish Iron and Steel, fully guaranteed. To quickly introduce we will sell a few machines at less than the wholesale cost. A machine for one or two cows at \$27. See the factory representative at the Roseburg Produce Co., 501 North Jackson St., Monday, July 30th.

LODGE DIRECTORY.

LAUREL CHAPTER No. 21, R. A. M.—Stated convocations on first and third Tuesdays, Masonic Temple. All members requested to attend and visiting companions welcome. R. A. WILSON, High Priest. W. F. HARRIS, Secretary.

A. F. & A. M., Laurel Lodge No. 12.—Regular communications 2nd and 4th Wednesdays each month at Masonic Temple, Roseburg, Ore. Visitors welcome. W. L. THOMAS, W. M. W. D. HARRIS, Secy.

O. E. S., Roseburg Chapter No. 8.—Holds their regular meeting on the 1st and 3rd Thursdays in each month. All excommunicated brothers and sisters are respectfully invited to attend. MRS. ELIZABETH RUNTAN, W. M. FREE JOHNSON, Secretary.

THE SECURITY BENEFIT ASSOCIATION meets in the Macabee hall the 1st and 3rd Tuesdays in each month. K. O. Y. M.—Meets each second and fourth Thursdays in each month in Macabee hall, corner Cass and Pine streets. Visiting Knights always welcome. L. C. GOODMAN, Com. G. W. RAPP, R. H.

W. F. A. O. T. W.—Roseburg Review No. 41 holds regular meetings on second and fourth Thursdays at 8 p. m. in Macabee hall, Pine and Cass streets. BELLE STEPHENSON, Com. JESSIE RAPP, Col.

NEIGHBORS OF WOODCRAFT—Lodge

Circle No. 49, meets on 1st and 3rd Friday evenings in Moose hall, Visiting neighbors invited to attend. BELLE CHENSHAW, A. N. MARGARET WHITNEY, Clerk.

WOODMEN OF THE WORLD—Camp

No. 125, meets in Odd Fellows hall in Roseburg every 1st and 3rd Monday evenings. Visiting neighbors always welcome. FREDERICK PORTER, C. C. M. MILLER, Clerk.

REBEKAHS

Roseburg Rebekah Lodge No. 41, L. O. O. F. meets in Odd Fellows Temple every week on Tuesday evenings. Visiting members in good standing are invited to attend. GERTRUDE HATFIELD, N. G. EVA LENOX, Secy.

NEIGHBORS OF WOODCRAFT—Lodge

Circle No. 49, meets on 1st and 3rd Friday evenings in Moose hall, Visiting neighbors invited to attend. BELLE CHENSHAW, A. N. MARGARET WHITNEY, Clerk.

CONTROL OF ALFALFA WEEVIL BY SPRAYING POISON OVER FIELDS



The Alfalfa Weevil and Work of Larvae.

(Prepared by the United States Department of Agriculture.)

Farmers in regions newly infested by the alfalfa weevil will be interested in knowing that an unusually effective method of control has been worked out by the United States Department of Agriculture. Specialists of the department say that rarely has any method of insect control been so thoroughly safeguarded against failure as alfalfa-weevil spraying. It has been tested every season for seven years. The cost of the operation—about \$1 an acre—is trifling compared with the returns, and no farmer in the territory infested or threatened can afford to overlook it, the specialists say. There is no control measure, however, which can be applied advantageously this late in the season. Effective work must be delayed until next spring.

Control by Poison Spray.

Control is effective by spraying poison over the fields so that it will cover the growing parts on which the weevils mostly feed. Arsenate of lead and arsenite of zinc have been mostly used, but other arsenicals recommended for orchard spraying are thought to be about as good. There is practically no danger of burning the foliage of alfalfa, and therefore the range of suitable poisons is larger than in fruit-tree spraying. Arsenate of lead is said to be, everything considered, the best poison to use, principally because it sticks to the leaves more readily and costs less than most of the others.

The poison is weighed or measured at the rate of two pounds of powder or four pounds of commercial paste for each 100 gallons of water, is stirred with a little water in a pail until it becomes a thin paste without lumps, is diluted and strained into the sprayer tank. Two pounds of laundry soap for each gallon should be added, in order to make the liquid stick to the leaves properly. The dry, powdered form of the poison is better than the paste. There is no danger of stock being poisoned by hay cut from sprayed fields where the poison is applied at a rate of not greater than 100 gallons of spray mixture per acre.

Simple Outfit Sufficient.

The essentials of the spraying outfit are: A truck or other vehicle, a tank with an agitator to keep the poison from settling to the bottom, a pump, a pressure gauge, an engine and pumping jack, unless the pump is to be driven by hand, a strainer, a pipe for distributing the liquid from the pump, and as many nozzles as are required by the capacity of the pump. These essentials may all be contained in a barrel-pump outfit carried in a wagon. The pump must be capable of delivering four-fifths of a gallon or more a minute and maintaining a pressure of at least 75 pounds. If the pressure is less than that, the mist spray will not be fine enough to prevent the liquid from gathering in drops and running to the ground instead of drying on the tops of the plants.

The number of nozzles used should be sufficient to take up the capacity of the pump. At the average walking gait of a team, each nozzle should deliver nine-tenths of a gallon a minute. Therefore, a pump of nine-gallon capacity per minute will supply ten nozzles, each of which covers a strip two feet wide. By an arithmetical calculation of the cubical content of the pump cylinder and the number of strokes per minute, the capacity of the outfit can be determined. The spray should be applied at the rate of 100 gallons of spray mixture per acre.

Nearly any kind of spraying outfit can be adopted for this purpose. However, modern orchard spray outfits are usually designed to give a comprehensive small flow and high pressure, and are less suitable for alfalfa spraying than the older pumps, with larger cylinders and longer strokes, designed for larger flow and lower pressure.

The spraying outfit should be mounted on the wagon or other vehicle used so that the nozzles will be about two feet above the tops of the alfalfa plants. Four 50-gallon barrels with an engine and pump mounted on an ordinary wagon, or for a hand-pump outfit, an express wagon and fewer barrels constitute a satisfactory outfit.

A paddle, dasher, or some other form of agitator must be provided to keep the liquid stirred. A strainer of 20-mesh brass or bronze screen should be fitted to the opening through which the water enters the tank and another over the outlet leading to the pump. The parts of the pump in which close fitting is required should be of brass, bronze, porcelain, or some other substance less rapidly corroded by the chemicals than iron and steel. All commercial spray pumps are built in this way, but pumps which were intended for other purposes should be refitted when used for spraying.

An engine-driven outfit must have a relief valve near the pump, permitting the surplus flow to return to the tank. The pump must have an air-pressure chamber large enough to keep the flow steady and insure even distribution of the poison. Even pressure, indispensable for uniform spread of the poison, cannot be maintained without a pressure gauge. This gauge should be attached to the pressure chamber or near it and at a distance from relief-valve and nozzles.

The boom or pipe which carries the nozzles and supplies them with liquid from the pump is made of two-foot pieces of one-half inch galvanized iron pipe joined by T's, each of which affords an opening for the attachment of a nozzle. The boom is connected with the pump by a one-half inch pressure hose. The boom should be supported by a piece of timber, two by four, clamped or hinged to the truck with the boom stapled, bolted, or wired to it. Plain misty nozzles, without strainers or other complications, should be used.

Spray in Warm Weather.

The best time for spraying is at what the specialists call the turning point of weevil infestation—from one to two weeks before the first crop is ready for cutting, when the young larvae become so numerous that they completely destroy the growing tips. After that point is reached the weevils, if left alone, consume the leaves until nothing is left but the woody fibers. If spraying is done at this time the crop recovers quickly. Spraying yearly in the spring sometimes entirely prevents damage, but it is uncertain. On the other hand, plants sprayed after they were entirely stripped of their foliage have been able to recover and bloom, but this allows destruction to go too far and makes recovery too slow.

Spraying at the "turning point" not only protects the first crop but confers an even larger benefit on the second crop, which sprouts and grows without delay, and no treatment of the stubble is necessary. Stubble spraying, after the cutting of the first crop, has been successfully done, but it requires getting into the field immediately after cutting and a much larger quantity of liquid is required than if it were applied to the first crop. Stubble spraying, therefore, is advised only when earlier spraying has been impossible.

Spraying should be done, if possible, at the beginning of a warm spell. The weevils do not feed so voraciously in cool weather.

There are other control measures, but none of them promises much more unless applied before or immediately after the first cutting. One method is to pasture the alfalfa field until most of the eggs and young larvae have been destroyed. Another is to use the alfalfa as a soiling crop, cutting it green two or three times during the season. These methods, however, must be practiced before the turning point of infestation, as after that time the weevils destroy the plants so completely that there is not enough growth for either pasture or soiling. Another method is to cultivate the field with a harrow or other implement, immediately after the first cutting, in such way as to cover the field with a dust mulch, thus exposing the entire surface of the field to the sun and killing most of the weevils. In some instances, the second crop has been protected by dragging the stubble, while it is still wet from irrigation, with the land leveler or the road breaker. This causes the insects to perish by embedding them in the mud, but it is harmful to the soil and is not recommended.

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The finest quality, big assortment and the price will surprise you.

Churchill Hardware Co.

GLENGARY NOTES

We are enjoying the cool weather after a few hot days.

T. P. Carnie and son, Howard, are having a prune dryer built.

Claud Weaver has relatives from Kansas visiting them.

Paul Spain has his mother here on a visit.

Mrs. Theloholt has been very sick for several weeks and is not yet able to be out very much.

Mrs. Lillie Yokum, from Vilas, Colorado, is visiting at the home of Mrs. John Betts.

Mrs. J. E. Gignoux and daughter, Hazel, of Lawton, Oklahoma, who has been here on a visit for several weeks, left for Portland Wednesday.

Her father and mother, Mr. and Mrs. C. C. Groves, accompanied her and they will visit with Mrs. G. C. Groves, brother and family at Portland.

The Sunday school rally held in the Dillard grove last Sunday was well attended and a fine program was given. Every one felt well-repaid for their trip.

Miss Woodruff, of Roseburg, is visiting during this week at the home of Mrs. D. C. McGhee.

A large number of friends and relatives gathered at the home of Mr. and Mrs. John Betts last Wednesday afternoon in honor of her sister, Mrs. J. E. Gignoux and daughter, of Lawton, Oklahoma, and a cousin, Mrs. John Yokum, of Vilas, Colorado. An impromptu program was given, after which refreshments were served. Those present were, the guests of honor, Mrs. J. E. Gignoux and daughter, Hazel; Mrs. Lillie Yokum, Mrs. D. C. McGhee and daughter, Nellie, Mrs. Theloholt, Frank Betts, Floyd Groves, Clinton and Archie McGhee, Her father and mother, Mr. and Mrs. C. C. Groves, Mrs. W. C. Groves, brother and family at Portland.

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THE DIAMOND BRAND
Ladies, take these pills for all ailments. They are the most reliable and most effective of all pills. They are sold by druggists everywhere.

CLASSIFIED COLUMN

ALL NEW CLASSIFIED ADVERTISEMENTS WILL BE FOUND ON LAST PAGE UNDER HEADING "NEW TODAY."

WANTED.
MAN WANTED for ranch work. Phone 29-F-2.
WANTED—To borrow three thousand dollars on good security. Address L. S. R. News-Review.
WANTED—Men for rock quarry near Oak Creek. Wages, \$4.25 per day. Inquire Metzger and Johnson.
WANTED—Girl of middle aged woman for housework on farm. Address Mrs. W. E. Dolan, Dixonville, or phone 1-1-11.

FOR RENT.
FOR RENT—Nice, clean sleeping rooms. Use of bath. 461 S. Jackson St.
FOR RENT—Nice, clean sleeping rooms. Also one light housekeeping room. 615 Mill St.

LOST AND FOUND.
LOST—Between 325 Winchester St. and The Park, Saturday, July 22, one ruby brooch, crescent style. Please return please leave at The Fern, Howard.

FOR SALE.
FOR SALE—Hay, Edenbow Orchard. Tel. 26-F-3.
FOR SALE—1 ton truck. Inquire J. G. Day, 228 S. Kane St.
FOR SALE—Houseplants, geraniums. 217 Clonick St.
FOR SALE—One 12-inch saw; 1 cut-off saw; 1 blower. See Pat.
FOR SALE—3 large solid packing cases. Roseburg Book Store.
FOR SALE—Poland (China) saws and files. W. A. Jenkins, phone 14-F-4.
FOR EXCHANGE—Light wagon for 25 wheels. E. J. Louie, Roseburg.
FOR SALE—Ford touring car or will trade for Ford touring car. W. J. Merritt, Myrtle Creek, Ore.
FOR SALE—Brand new, sport model Oakland, price reasonable. Inquire 423 West Oak.
FOR SALE—Fire truck, wood, 22 tier, oak block, 12.30. W. A. Jenkins, phone 14-F-4.
FOR SALE—Six year old mare, weight about 1200 lbs. Broke, single and double. Good roadster, double gated. Phone 4-F-4.
FOR SALE—House and 2 lots in South. 3375. Will take good milk cow in trade. A. R. Bailey, Box 282, Buxton, Ore.
FOR SALE—20 acres, partly improved, near Hines, Ore. Ideal for poultry or berries; good spring water. Write W. J. Merritt, 419 East J Street, Grants Pass, Ore.
FOR SALE—CHAMP—All makes of second hand sewing machines and all makes of new sewing machines. Singer Sewing Machine Co. 121 N. Jackson St.
FOR SALE—1921 Ford, fully equipped and in best shape condition. Priced for cash or terms to responsible party. Address "Ford," care News-Review.
RELIABLE mobile seed only with 14" wide bottom, looking for men on ranch or camp, or as camp waiter. No families need apply. Mrs. Mary Anne Rostorff.
FOR SALE—CHAMP—All makes of second hand sewing machines and all makes of new sewing machines. Singer Sewing Machine Co. 121 N. Jackson St.
A WAHGAN—1 No. 115, 116, Iowa separator, \$40.00; 2 No. 125, \$40.00; Iowa separators \$50.00 each; 1 six-shovel single row riding cultivator, \$40.00. Prices P. O. B. Sutherland, Cash, McCaskey Brothers, Sutherland, Oregon.
FOR SALE—411 acre ranch, 5 acres irrigated, 1 acre alfalfa, to acre farm land, stock and implements with place. Small town and lake. 2500 ft. above sea. Address "C" Care News-Review.
FOR SALE—One 400 lb. capacity Victor separator and 500 lb. capacity Victor separator for sale. Also one 400 lb. capacity Victor separator. Roseburg Produce Co. 501 North Jackson St.