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PINE BEETLES DESTROY PINE

(Continued From Page One) "There is a section of timber about 50,000 acres in the eastern section of the county which the loss from pine beetles is, I believe, a conservative estimate," Mr. Keen said. "It may be ten per cent. The area referred

Roofing

NOW IS THE TIME TO PUT ON THAT NEW ROOF.

Do not wait until further rains and cold weather set, as roofing cannot be laid to best advantage except in warm weather.

We have a complete line of Johns-Manville Asbestos Roofing as well as their Rag Felt Roofing on hand. We also have an experienced roofing crew ready to apply new or repair old roofs. Call or phone for estimates.

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NOW is the time to Buy Property

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We have business and residence property; acreage and sub-divisions; business chances.

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Favell-Utley Realty Co.

Lakeview, Ore.

Alturas, Calif.

to is the Black Hills unit, and extends from a point ten miles north of Bly towards the famous Yamsey mountain unit.

"We cruised one section, an example of average infestation in this section, and found that 1280 trees had been killed in the 1926 infestation. We figure about 10,000 trees to the section and about 1,000 feet to the tree.

Heavy Loss. "Thus on that one section of ten thousand trees the loss was over ten per cent. And that was not exceptional in this infested area. There were other sections which were harder hit. Ten per cent loss each year means all timber in 10 years.

"The infestation follows a well defined belt, the upper rim of which appears to be determined by altitude. The beetles in this section are rapidly cleaning everything out; the situation is, to say the least, very serious."

The entomologist spoke of another serious infestation in the pine stand south of Chiloquin, near the Sprague River Lumber company mill.

"While that has not been cruised, the loss appears to be worse than that sustained in the Black Hills section. An entire hillside looks red following the invasions of the beetle."

Mr. Keen's figures which are the result of ten years of pine beetle investigation and control work show that in the million acre area in and contiguous to Klamath, the total loss from ravages of pine beetles in yellow pine has been 1,340,000,000 feet.

Huge Financial Loss. In dollars and cents this is an actual loss—figuring at \$4 a thousand board feet which is conservative at the present prices—of \$5,360,000 to the timber owners. But in figuring community loss (that is following the pine log from the time it is cut until it attains its ultimate form) it is estimated that one thousand board feet of timber is equivalent to \$22. With this as a basis, the community loss of Klamath from ten years of pine beetle ravages is \$40,480,000.

Following is a computation of loss taken from the government entomologist's own books: The financial loss in this scale is figured at the stumpage cost of \$4, rather than the community loss of \$22:

Year	Timber loss	Money loss
1918	299,000,000	\$1,196,000
1919	150,000,000	600,000
1920	100,000,000	400,000
1921	95,000,000	380,000
1922	85,000,000	340,000
1923	60,000,000	240,000
1924	100,000,000	400,000
1925	200,000,000	800,000
1926	350,000,000	1,400,000
1927	500,000,000	2,000,000

Horses Not Filled. Because of heavy rains and snows of last fall, winter and spring, Mr. Keen had hoped and even expected the loss to drop considerably. He held at that time that the pine beetle could not successfully attack a growing tree and that it was only when lack of moisture, such as has characterized the seasons of the past four years, retarded growth of the tree, that the beetle could actually kill a large pine tree.

"I still hold to that belief, but the beetles have increased to such an extent that by sheer force of numbers, they have overpowered whatever defense the pine trees might have erected as a result of faster growth.

"If you will study the figures I have given you, you will find that the losses start big in 1918, and that during the ensuing years, they scale down until they reach a low point in 1925 of 60,000,000.

Control Partially Successful. "That decrease is the result of extensive and partially successful control operations. Then the losses—because of dry years which are peculiarly suited to the increase of beetles—began to mount in 1924 and the increase

each year has been between 75 and 100 per cent each year.

Although habitually a conservative, Mr. Keen could hardly refrain from stressing the seriousness of the Klamath pine situation. The entomologist has devoted the past eight years to an investigation of the pine beetle situation and is recognized as one of the foremost authorities on the subject in the United States.

The beetles—it takes about 2,000 to a tree—can kill a large pine 24 inches in diameter, in three weeks," the entomologist said. "Strange to say, one can chop a ring around a tree trunk and it will live for several years, but the beetle, girdling the tree, can kill it in three weeks. We have not yet been able to determine why that is so.

Concentrated. "Flying in regular armies, the beetles concentrate on a group of pine trees. They alight on a trunk, bore a hole through the trunk and enter the cambium layer, between the trunk and the wood. Here they lay their eggs. After they have killed the tree, they fly elsewhere and continue on their path of destruction.

The government man shrugged his shoulders when asked about successful control operations. "To date the only process we have devised to control the situation, is to burn the infested tree," he said. "The infested tree is spotted and marked; the control crew fell the tree, strip off the bark and burn the bark along the naked trunk of the stricken pine.

Economic Problem. "Advisability of utilizing this method of control is a pure and simple matter of economics. To fell and burn a tree, we have found costs about \$4. Each tree represents approximately 1,000 board feet.

"Suppose there is a badly infested section far from the railroad; suppose its actual value to its owner was \$3 a thousand. Would that owner be disposed to expend \$4 a thousand to further a control program? He would not—and what is the result? The beetles swarm and increase in this uncontrolled area, and soon spread to great proportions and are invading timber that has been subjected to control and is fairly clean of pine beetles."

"The simple fact of matter is a serious problem that the people do not realize. This country is sustaining a tremendous loss in timber, a loss which, if it continues, threatens the very existence of Klamath lumber industry."

Mr. Keen returned this morning to the woods in the Bly country where he is continuing his investigations. He and a crew of three men, are methodically checking over areas that were subjected to control measures three years ago, and comparing these districts with areas that were not controlled. He was in direct charge of all investigative and control work in Klamath for a period of four years.

Legal Notices

NOTICE TO TAXPAYERS.

You are hereby notified that the Board of Equalization will attend on the 12th day of September, 1927, (the second Monday of September) at the County Judge's office in the Court House, and will remain in session for thirty days from that date, for the purpose of examining the Assessment Rolls for the year 1927 and correcting all errors in valuations, descriptions, or qualities of land, lots, or other property assessed by the Assessor. It shall be the duty of all persons interested to appear at the time and place appointed.

All protests against valuations fixed by the Assessor must be filed with the Board during the first fifteen days of said session. (Signed) W. T. LEE, Assessor Klamath County, Oregon A22-24-29-32-5-9

Kreutzer Sees Prosperity in Klamath Basin

"Economic and agricultural conditions on the Klamath project are very satisfactory," he continued. "One of the chief reasons is that they are growing livestock; grain and potatoes, prices for which were good last year and prospects for prices of which are satisfactory this year."

"We opened up 3000 acres of irrigable public lands on the Tule lake division of the Klamath project last January. Of the 145 farms opened, 138 have been taken by qualified applicants under homestead and reclamation laws. Each of these applicants was required to have \$2000 in cash or good assets such as livestock and equipment, each was required to have had two years' experience in agriculture, and each had to give satisfactory evidence of character and industry. There are ten applicants for the remaining seven farms. Half of the settlers already were residents of the region, and about 50 per cent of them were ex-service men. Ex-service men have a 99-day preference in making applications. The average capital of 85 settlers who had taken farms up to June 15 was \$5600. This is a larger average capital than we have had on any project since the war."

Sale of Surplus Urged. Mr. Kreutzer thinks it probable that enough ditches and drains will have been built by January 1, 1928, to open up 600 acres, comprised of 12 farms, and that by January, 1929, it will be possible to open up 2000 more acres on the Tule lake division. Private owners of more than 160 acres on the Klamath project are being encouraged to list lands for sale with Klamath, Oregon, state and Portland Chambers of Commerce. The 160-acre water limit for each owner applies on that project also.

Many "Caterpillar" Tractors Purchased

Increased sales of "Caterpillar" tractors in Klamath are indicated in Klamath by a news letter from the California factory of the popular farm and lumber machine.

Following are sales of "Caterpillars" made in the Klamath basin the past few months: Haskins Bros. of Merrill, Ore., one farm type sixty caterpillar; Dalton and Sutherland of Malin, one model thirty Tule Lake Special; Antoine Sutz, Malin, one model thirty Tule Lake Special; Steve Thoms, White Point, Ore., one model sixty Caterpillar full armored cruiser; M. A. Puckett of Keno, one caterpillar which he will use for building logging roads; Larky Rees, of Sprague River, one model sixty caterpillar logging cruiser; Forest Lumber Co. of Kirk, one model sixty caterpillar logging cruiser; Boutin Mill Co. of Hildebrand, one model sixty caterpillar logging cruiser with power pulley attached for running sawmill.

Mt. Shasta Voters To Vote September 12 on Recall Issue

MT. SHASTA, Calif., Aug. 22. A special election for Mt. Shasta has been set for September 12, when voters will decide the fate of two members of the city council which the recall seeks to remove from office. The two councilmen whom the taxpayers' protective league wishes to remove are C. McCabe and L. Emerick. Voters will also elect a successor to Mayor Schuler who resigned the office last month.

NEWS NOTES OF BEATTY

BEATTY, Aug. (Special to The Herald)—Mrs. Emma Coburn and daughter, Mrs. Maurice Keane, of Yuma were in Beatty on Friday to transact business. Mrs. Coburn will be remembered by her many friends as Lida Coburn.

Mrs. Jim Givens of Bly was a Beatty visitor on Friday enroute to Klamath Falls.

Mary Zachariah of Klamath Falls is employed at the Hotel Beatty.

Teddie Powers was thrown from his horse in such a manner as to break his ribs while separating cattle near Beatty. He is confined to his home.

E. B. Ashurst and Austin Hayden of Klamath Falls and Frank Schmitz of Beatty were business visitors at the Labree ranch on Friday.

NEW TODAY

FOR RENT—1-room apartment. 825 Lincoln. 22-25

WANTED—Woman to cook on ranch for 5 men. Phone 124. 22

FOR SALE—Bridge-Heater. Phone 763. 22-23

FOR RENT—5-room house with bath, range, linoleum, kitchen cabinet. \$4500. Phone 205-W. 22-24

LOST—From 1321 Worden, brown and white Fox Terrier puppy. Reward for return. 22

WANTED—Cook house. See Frank Rayger, Merrill, Oregon. 22-27

FOR RENT—3-room modern house and garage. Close in. Phone 831-W. 22-24

FOR RENT—2-room cottage, neatly furnished. Screen porch, use of bath and phone. 901 Alameda. Phone 629-J. 19-22

LOST—Coral string of beads at the Lacey ranch Sunday. Finder return to the Herald Office. 22-27

PRACTICAL NURSE and housekeeper. Reliable. wishes employment, city or country. References. 355 Main Street. Phone 95. 22-23

STEAM ENGINEER—Wants work. Will take firing. Address Geo. P. Ray, care L. O. Stearns, R. F. D. Lewis St., City. 22-23

FOUND—1927 license plate on Pacific Terrace. No. 93-337. Owner may have same by inquiring at Herald office and pay for ad. 22

FOR SALE—Late model Chevrolet roadster. Just like new. Excellent shape. Fully equipped. Terms. Mr. Rimer, 715 Jefferson St. 19-23

FOR SALE—My entire stock of pedigreed New Zealand rabbits. Prices reasonable. 1543 Worden Ave. 19-26

FOR SALE—Lease and furniture of twelve-room boarding house. Good location. 508 Plum St. 19-25

WANTED—House cleaning by the hour. Phone 597-W. 19-26

GIRL WANTED—At Valley Hotel. 20-1

WANTED—Expert beauty operator, must be experienced. Phone 796, Betty Jane Beauty Parlor. 20-23

WANTED—Portable sawmill outfit to cut two million feet of pine this fall. Write Box 17. Herald. 20-23

WANTED—To lease 2,000 sheep on shares. References if required. Box 455, Alturas, Cal. A20-820

WANTED—Return load of furniture for Salem or Portland at once at reduced rates. Capitol City Transfer Co., care Evening Herald. 16-31

WANTED—25 ladies and girls to win \$100 in cash prizes by selling tickets for the big opening dance at the Fair Grounds, August 30. Call Fair Board office, Room D, basement court house, for particulars, or phone 214. 18-24

For Sale—Real Estate

FOR SALE—Four acres on highway 1/2 mile east of Ashland Normal School. Excellent commercial site. Railroad facilities. Reasonable price. Terms if desired. Write owner, Geo. McDonald, Route No. 1, Box 111, Ashland, Oregon. 20-25

FOR SALE—20 acres, 1 1/2 miles from 4th St. Write Box 287. R. L. or see owner. 15-20

WILL SACRIFICE splendid new 2-room house for \$1400. Will take car on other property, half payment. Phone 591-J. 16-21

FOR TRADE—Portland property for Klamath Basin property, either town or country. Good deals offered. Call News, phone 477. 16-31

FOR SALE—24-room restaurant and card room in connection. Am tired of business. Good location for business, 4th and 43 South Front St., Medford, Ore. K. S. Nakano. 20-21

FOR SALE—100 shares class A common stock, par value \$35 plus accrued interest. In New Service Laundry, Inc., owning and operating New City Laundry, Klamath Falls, and New Service Laundry, Eugene. Both plants in very good condition, and stock well secured. Class A stock cumulative and preferred as to assets and dividends. Price \$2200 cash. 19-25

NEAT 4-ROOM HOUSE and garage in Hot Springs Addition. This should be seen to be appreciated, and priced at only \$3000 on good terms. 19-25

DANDY little 2-room house and garage, located in Hot Springs. This house is now under construction and the buyer can have the inside finished to suit. Priced at \$2975 on good terms. 19-25

Consult us about your insurance. We also have money to loan. The WALTON WHIGHT CO., Inc. Phone 1444. 19-20-22

A HOME FOR YOU—New 3-room house with nice shade trees, large lot and good out-buildings. Priced at \$1800, with reasonable cash payment and balance at \$25 per month. 19-25

LOOK HERE—A good 4-room modern stucco house with double garage. Nice lawn, trees and flowers. Good basement and large lot, close to school. \$300 cash will handle this. 19-25

YOU WILL only have to pay \$100 down with balance like rent to own a new 4-room strictly modern home with hardwood floors, basement, sleeping porch built-in breakfast nook and on payment. Corner lot and close in. 19-25

TRI-STATES REALTY Realtors 1134 Main St. Phone 1050

YOU CAN MAKE MONEY on this 100 acres of good rich, level land. 25 acres under ditch, all fenced and cross fenced; 6-room house with out-buildings. This excellent land is priced at \$10.00 per acre. 19-25

DIRT CHEAP—5 acres close in with 3-room house, fine well and fine land. Priced at \$1800 on terms. 19-25

RANCH BARGAIN—480 acres of fine land. 83 acres in fine alfalfa, good 6-room house, large barn, land all fenced and cross fenced. 190 acres in grain. This is a good farm or a good stock ranch, as there is plenty of outside range. Priced \$7500 with a cash payment of \$1500 and the balance on easy terms. 19-25

TRI-STATES REALTY Realtors 1134 Main St. Phone 1050

FOR RENT—A room for gentleman, 123 N. 6th St. Lorenz Apartments. 16-22

FOR RENT—Office space in Williams Bldg., Ward & Dale, Realtors, 724 Main St. 20-27

FOR RENT—4-room modern house, furnished. Inquire at Country Club, 1745 Main St. 19-26

ROOM FOR RENT—Nicely furnished front room, use of phone and bath. Furnace heat. 422 No. 3rd St. Phone 798-J. 16-23

FOR RENT—Furnished 2-room houses, \$15.00 month. 423 Plum. Phone 544-J. A2-84

FOR RENT—First class furnished apartments. Steam heated. McCarthy Apts., 630 Pine. Phone 800. A2-83

ROOMS—520 Lincoln. Phone 597-W. J27-A27

FOR RENT—Furnished 3rd apt., 2 rooms and bath, electric range, hot water, garage. \$25. 1615 Esplanade. Phone 794-W. A1-61

FOR RENT—We can save you big money at the Arcade Hotel Apartments, furnished completely, electric ranges, linen, dishes and telephones. Or rooms with private baths at real cut rates to permanent guests. Arcade. M2-76

FRECKLES AND HIS FRIENDS

The More the Merrier

By Blosser

