

Forest Service Sets Forces To War On Spruce Budworm

By Glenn Parsons, Ranger Heppner District, U.S.F.S.
Successful logging enterprises are governed by proper management of timber lands, both mature and immature. We cannot long survive in the timber business without proper logging methods followed by adequate protection from fire and insects.

In 1944, a forest enemy, spruce budworm, *Archips fumiferana*, attacked the mixed Douglas fir-true fir stands of eastern Oregon and Washington, involving a total area of approximately one million acres. This insect is without doubt the most serious enemy of the pulpwood forests of the northwestern United States and Canada.

The adult spruce budworm is a small brownish moth with a wing expanse of approximately one inch. The mature larvae or caterpillars are about one inch in length, deep brown in color, and possess yellowish pale green markings, and numerous white tubercles along the sides.

The larvae spin small, silken cocoons under the bark-flakes or other sheltered places where it passes the winter. This year, on May 21, they emerged from their winter nests and entered the growing buds where they are temporarily safe from stomach poisons or contact sprays. The larvae remain in this location until the buds open up. They grow rapidly and pass into the fifth or sixth instar stage (successive molts) by the time the buds open in the spring. The attack extends to the old needles when there is a shortage of new growth. The larvae often migrate from one tree to another in search of food when the needles become scarce in the vicinity of their first feeding. Population counts on the established plots indicates up to 30 larvae per 15 inches of twig.

A cooperative experiment is being conducted this spring by the State Board of Forestry, Bureau of Entomology and Plant Quarantine, and the Forest Service. John Wood, research and conservation specialist of the State Forester's office, is administering the project. The Bureau of Entomology is represented by Charles Eaton, Dr. Jim Beal and Charles Spears, specialists in insect control. The purpose of this experiment is to test under carefully controlled conditions the effectiveness of various quantities of DDT applied in different ways. The experimental area of approximately 6700 acres will be located within the 160,000 acre infestation tract on the Heppner Ranger district lying north of the breaks of the John Day river and extending into fifteen compartments, twelve of which will be treated and three of which will be check plots.

Inclement weather has hampered progress of this project. Frequent rains have made it impossible to start construction of the airstrip located on Big Rock Flat. Tentative plans are now being made to use a tangent of the Kinzua Pine Mill company's logging road. The pilot from Central Aircraft Co., Yakima, Wash., will inspect the alternate airstrip to determine if it will be suitable for such use. It is planned to use a helicopter in conjunction with an airplane in applying the spray. This equipment is being used on an experimental basis as the average terrain may be too high when carrying an economic load of spray. Better results are expected from this equipment if it can be used at this elevation. The recent floods complicated delivery of the spraying materials but everything will be ready to commence flying June 22. Graced with suitable weather the flying can be completed in four or five days. The foresters are confident of determining an economical and effective means of controlling this tree killer.

At the Cello Falls of the Columbia river near The Dalles, Oregon, Indians still supply tribal larders by spearing and netting salmon in the way of their ancestors. From dangerous perches on rocks above boiling waters, the redmen are adept with equipment which was the vogue centuries ago. Their fishing privileges are protected by treaty rights drawn up with the United States in 1855.

Oregon is known as the Valer-tine state, as it was admitted to the Union on Valentine's Day, 1859, eleven years after it had been established as a territory.



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E. O. D. Medical Society To Resume Annual Meetings

The first post-war annual meeting of the Eastern Oregon District Medical Society has been announced for June 25 and 26 to be held in Baker, according to Dr. Roger Biswell, M.D., president of the society.

An outstanding program featuring twelve guest lecturers, and especially planned to interest general physicians, has been arranged and will feature practical papers dealing with almost every field of modern medicine. Physicians from Harney, Grant, Morrow, Umatilla, Union, Wallowa, Baker and Malheur counties comprise the membership of the eastern Oregon society, and in addition invitations have been extended to all interested members of the medical profession living in northeast Washington and southwest Idaho.

The annual election of officers will be held Friday afternoon and also on the agenda are several social activities for the wives of attending physicians.

This, and other similar meetings held throughout Oregon, is in keeping with the policy of the medical profession to keep posted on the latest scientific and medical practices to better serve the public and further heighten the American standard of health, already the highest in the world.

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Morrow Countions To Picnic June 27

Following a custom of many years, former Morrow county people now living in Portland and vicinity will hold the annual Morrow county picnic, the date this year being Sunday, June 27.

Laurelhurst park will be the locale and the committee in charge of the affair has extended an invitation to any and all Morrow county folk, wherever they may be, to attend. Coffee will be provided.

Astoria was the first white settlement in the Pacific Northwest when fur trappers established a fort there in the early 1800's. This vast region became the Oregon territory in 1848 and today is composed of Oregon, Washington, Idaho and portions of Wyoming and Montana. Territorial centennial celebrations are being held throughout Oregon this summer to observe the anniversary.

Set aside to preserve a Sequoia tree planted by an Oregon pioneer of 1843, William Waldo, the nation's smallest city park is located almost in the middle of North Summer St., Salem, Ore. The park is barely large enough to protect the base of the tree and may have to be enlarged as the tree grows.

Recalling prehistoric days of volcanic fury in central Oregon, where fire mountains of great height dominated the landscape, extensive lava caves, some with ice columns which never melt, are among Oregon's unusual scenic attractions, the Oregon state highway commission travel information department reports.

The Naval Air Transport Service flew more than 320,000 passengers a total of almost 500,000 passenger miles during 1947 with no passenger fatalities.

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