

FARM Woodlot Facts

By DICK OLSON
State Farm Forester

This week's article concerns the main diseases of Oregon's number one timber tree - Douglas Fir, and a few of its associates.

The main cause of trunk rot in Douglas Fir is the ring scale fungus, *Fomes Pini*. This fungus occasionally attacks Sugar Pine, Ponderosa Pine, White Fir, Incense Cedar, and several other conifers in Oregon.

If a tree is infected with *Fomes Pini* it usually has perennial conks, swollen knots and sometimes cupped bark plates on its species as Ponderosa Pine and White Fir. The presence of conks is usually the most easily detected. The conks are numerous and shelflike. They are found scattered along affected trunks, appearing mostly at knots but in White Fir, directly on the bark. They are hard and woody and concentrically furrowed. The conks usually range between one to six inches wide and are dull grayish or brownish black in color.

The rot caused by this fungus in its advanced stage, consists of numerous small white pockets separated by firmer wood walls. The pockets usually occur uniformly across the affected wood or are confined to concentric zones or bands. Decay is confined mostly to the heartwood, although the sapwood may be affected by the fungus or adjacent heartwood, where the decay is well advanced.

This is the rot that is commonly referred to as white speck. Today, lumber and plywood are being made from white speck logs. After the wood is dried and placed where it will stay dry, the fungus becomes inactive.

Butt Root Rot

The two main butt and root rot in this area, in Douglas Fir are the Red-brown butt rot (*Polyporus Scheinwiti*) and the laminated root or (Poria *Wetria*). The velvet top fungus, *Polyporus Scheinwiti*, has a shelf-like conks when attached to the butts of trees. When rising through the soil from the roots they are round with depressed centers. The central stacks are reddish brown above and greenish yellow underneath. The rot from the velvet top fungus is a yellow-brown to red-brown cubical rot, breaking into large chunks. These are divided at intervals by thin, crust-like resin colored fungus layers. The rot is usually confined to the heartwood of the butt and roots.

The laminated root rot attacks trees with all degrees of vigor and the disease occurs as commonly on good as on poor sites. The first indication of the disease is a reduction in growth, usually accompanied by a crop of smaller than normal cones. Then there is a gradual thinning

of the foliage for a year or two, and finally all the needles turn brown and the tree dies. The advanced decay is soft and flaky, yellowish to brownish, and honeycombed with small pockets, at first filled with whitish fibers, later - empty. Brown Mycelial felts are present.

After reading the last two weekly columns, I hope you can see why I maintain that good timber management is not only necessary to receive the maximum of growth from an area but also that it is a very good safety measure. In next week's column I will discuss the main hardwood diseases of this area.

This article is the last of a series concerning the most common tree diseases in this area, and the hazardous conditions that they can cause. Last week's article discussed the major wood-rotting fungi of several coniferous species. This week, the topic is the principal diseases of southern Oregon's most important hardwood species.

At the present time, the California Laurel (Pepperwood or Myrtlewood) is probably the most important commercial hardwood species. However, the California Black Oak, Tanoak, and Pacific Madrone are common and some day could be of commercial importance. Currently, the most important use of these species is firewood and their aesthetic value.

In California Laurel, the heartwood near the butt is very commonly decayed by fungus - *Fomes Applanatus*, (artist's conk). This tree is characteristically a vigorous grower. The conks produced are hard woody shelf-like perennial conks that may attain a width of two or more feet. The upper surface is smoothed, zoned and grayish or grayish black, whereas the undersurface is white but becomes yellowish with age. If the undersurface is bruised it immediately turns brown, making the conk a favorite medium for amateur etchers. The sapwood of California Laurel is usually strong enough to support the trunk and prevent failure even though decay in the heartwood may be well advanced.

Pacific Madrone wood is relatively strong, and the species has given little trouble from mechanical failure. This year in southwest Oregon many Madrones and Oaks have been killed apparently by the phytophthora root rot. Examination of roots is necessary to identify this fungus. Infected roots will be punky with black mycelium.

Oaks Susceptible

The oaks as a group are probably the most susceptible to wood-rotting fungi. For this reason this group is potentially the most hazardous. The principal hazards are sap rots of branches and trunks, heart rot, snowbreak and root disease.

The native black oak is often associated with conifers.

Indications of this disease is a flattened black Rhymorphs (Shoestring) over bark below ground level or between bark and wood in dead areas. Conks, when present, are mushroom like, appearing in clusters at the ground line around the base of infected trees after fall rains or in the spring.

Another wood-rotting fungus of our native oaks is *Polyporus Dryophilus*. This fungus is particularly destructive in this area. The advanced decay appears as long narrow white pockets running together longitudinally and separated by strips of firm brown wood. The decay is confined to the heartwood of living trees. The rot column is usually in the main and upper portion of the bole. The fire conks are hoof-shaped with a hard granular sandstone like core. The conks commonly issue from knots or occasionally from wounds.

The following sentence will sum up the series on tree diseases and hazards. Practice good woodlot management of your forests and keep a suspicious eye open for possible hazards whenever in the woods.

Imitation Milk Law Announced

Salem - All restaurants, hotels, diners or any other public eating places using imitation milk products and vending machines dispensing any imitation milk products will be affected by amendments to Oregon's Fluid Milk Law going into effect Sept. 2.

The amendments to the law, which is administered by the Oregon Department of Agriculture, provide that: Public eating places plainly and legibly print on their menus that imitation milk or whatever imitation milk product is used is "used and served here" and that vending machines post imitation milk product signs on the machines dispensing it.

The law already requires public eating places using imitation milk products to have prominently displayed signs informing customers that imitation milk products are used and served there.

Also covered by the statute are displays or advertising that might be misleading.

Child Douses Fire In Sister's Hair

Portland - (UPI) - Danette Burns, 5, heard her sister, Debra, 2, cry out in the basement of their home Monday.

She raced downstairs and found her sister's blonde curls afire. The 5-year-old found an empty soup can, filled it with water and doused the flames.

"The doctor said Danette may have saved Debbie's life," the girl's mother, Mrs. June Burns, said. She said Debra and a neighbor boy had gone into the basement and that the little boy apparently was experimenting with matches.



Results of 4-H Fair Listed

Following are the results of the 4-H fair demonstrations at the Jackson county fairgrounds and extension office building last week:

Brownie Baking
Champion, Greg Lathrop, Antelope; blue, Melanie Burroughs, Debra Mayfield, Miller, Central Point; James Wilkins, Medford; red, Robin Howard, Applegate; Karen Kirby, Sius-Q; Waddell, Antelope; Mary Commons, Wagner Valley; Paula Greer, Bonanza; Donna Miller, Paria; O'Duane, Michelle Parada, Medford; Diane White, Central Point; Connie Lorenz, Shirley Miller, Medford; Linda Lowe, Jacksonville.

Oatmeal Cookie Baking
Champion, Margie Lehman, Antelope; blue, Sherry Cooksey, Julie Wilkinson, La Donna Lull, Westside; Craig Lathrop, Janice Pritchard, Antelope; Sara Krump, Central Point; red, Connie Hukill, Jacksonville; Jeanne Williams, Janine Grigsby, Westside; Billy Head, Dorothy Head, Sius-Q; Central Point; Nancy Coffey, Rebecca Raynes, Sius-Q; white, Deborah Howard, Clay Wilson, Applegate; Yonna St. Germaine, Westside.

Cake Baking
Champion, Marcia Miller, Central Point; blue, Sally McKay, Gail Flans, Jimmy Huber, Debra Mayfield, Antelope; Debbie South, Sius-Q; Debbie Macy, Applegate; red, Beila South, Nancy Byrd, Sius-Q; Marilyn Marsh, Wagner Valley; Judy DeBerry, Corinne Florey, Kathy Rose, Cink Oregon, Central Point; Laura Forest, Applegate; Barbara Lowe, Jacksonville; Kris Atwell, Rose River; Donna Barton, Antelope; Debbie Grissom, Lake Creek; white, Debbie Smith, Wagner Valley; Sandra Sutton, Jane Miller, Medford; Vivian Britton, Jer Paria, Central Point; Kathie Hall, Sius-Q.

Phase IV Clothing
Champion, Linda Rents, Medford; blue, Joan Townes, Christine Applegate, Medford; red, Kathleen Conner, Nancy Taylor, Marita Richter, Christine Petrusich, Medford; Ruth Quinn, Susan Eagle Point; Janet Warren, Debra Mayfield, Central Point; Debbie Marsh, Marilyn Wagner Valley; white, Karen Chipman, Carol Black, Merry Huber, Deborah Chavis, Connie Moore, Deborah Point; Kristy Jones, Applegate; Mary Parada, Miller, Medford.

Phase III Clothing
Champion, Beth Krouse, Applegate; blue, Catherine Anthon, Georgia Brittan, Jacqueline Colley, Central Point; Corinne Burrill, Applegate; Barbara Hochstatter, Medford; Sandra Schoonover, Sius-Q; Laura May Nie, Lake Creek; red, Judy Franek, Lucretia Lusk, Julie Thompson, Central Point; Allison Barton, Applegate; Maria Heig, Medford; Nancy Byrd, Lois Hoedler, Sius-Q; white, Katie Hall, Sius-Q; Nola Damon, Linda Waddell, Antelope.

Phase IV Clothing
Champion, Andrea Roberts, Central Point; blue, Alicia Elmore, Applegate; Linda Armitage, Mary Ann Gardner, Lake Creek; Shirley Roberts, Conny Varner, Marsha Wilson, Sandra Mayfield, Central Point; Sharon Peterson, Margaret Carnegie, Medford; red, Gloria Meyer, Lake Creek; Ruth Henney, Jeanette Greer, Medford; white, Barbara Marcoulier, Applegate.

Senior Bread
Champion, Shirley Roach, Central Point; blue, Carol Foote, Darlene Thompson, Kathy Frederick, Myrna Long, Donna Bailey, Central Point; Paulette Anderson, Antelope; Judy Hill, Eagle Point; red, Marcia Dunlap, Jacksonville; Joyce Gunther, Sius-Q.

Intermediate Individual Demonstrations
Champion, Judy Franek, Central Point, with her demonstration "Your Shining Silver," blue, Dorothy Franek, Susan Truly, Marsha Wilson, Winniford, Central Point; La Donna Lull, Westside; Amy Jo Heim, Sius-Q; red, Louise Herrog, Westside; Central Point; Mindy Hackett, Wagner Valley.

Beginning Knitting
Champion, Linda Armitage, Lake Creek; blue, Catherine Anthon, Corinne Dunlap, Marsha Wilson, Central Point; Julie Wilkinson, Lori Allen, Sherry Cooksey, Westside; Gloria Hollis, Ruth Greb, Eagle Point; Gail Perry, Lake Creek; Berna Phelan, Sius-Q; Cynthia Charley, Marta Heffner, Barbara Hochstatter, Pam McCar, Sharon Peterson, Medford; red, Rogina Carpenter, Sandra Mayfield, Central Point; Jeanne Williams, La Donna Lull, Janine Grigsby, Westside; Debbie Grissom, Mary Ann Gardner, Lake Creek; Margaret Carnegie, Medford; Sandra Modee, Eagle Point; Theresa Bradshaw, Sius-Q; white, Janis Cate, Central Point; Yonna St. Germaine, Westside; Carol Bur-

Teacher, Student To Attend Event

An instructor and a student from Crater High school are included in the Oregon delegation to the American Institute of Cooperatives to be held in Lincoln, Neb., August 4 to 7.

They are Darrell Shepperd, vocational instructor, and Ron Stith, student in the Future Farmers of America program.

Five Future Farmers of America from Oregon will participate in the annual conference, according to Darrell Ward, consultant for agricultural education in the state department of education, and state advisor for the Oregon Future Farmers organization.

The Oregon delegates are sponsored by the Agriculture Coop Council of Oregon, of which Dick Wilcox of Gresham is president. The Oregon council will provide all expense money for the five boys.

The American Institute of Cooperatives, sponsored by various farm coops throughout the United States, is an educational program in which youths and adults study coops for general improvement and service to their individual groups, Ward said.

Washington - (UPI) - Sen. Jacob Javits (R-N.Y.) predicts, ruling out a compromise candidate, that the Republican National convention will choose either Sen. Barry Goldwater or Gov. Nelson A. Rockefeller for the presidential nomination next year.

Two-Year-Old Yak Arrives at Portland

Portland - (UPI) - The Portland Zoo got its first yak since 1949 Sunday.

Gretta, a two-year-old yak, arrived here by trailer from a zoo at Brookfield, Ill. She was among a trailer load of animals, including a black buck and numerous wild sheep.

REACHES AGREEMENT

Washington - (UPI) - United Airlines and the International Machinists association have reached a tentative agreement on a contract covering 12,000 employees. The agreement, involving mechanics, ramp agents, and dining service employees, lifts the threat of a strike against the airline.

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EASY TO FIND: RIGHT BEHIND PARKO D'ALBA AND 4H-FFA CENTER IN THE FAIRGROUNDS

Multnomah Hotel Offered for Sale

Portland, Ore. - (UPI) - The Multnomah hotel, long Oregon's biggest and best known, is for sale.

Bill Williams, manager of the 51-year-old hotel, said Western Hotels plans to keep the structure operating until it is sold. He said it could be a year before it closes its doors and then only "when and if a sale is imminent."

Williams said that several groups were considering purchase of the hotel. He said it could become a retirement home or a permanent residency hotel.

Williams blamed the situation on overbuilding of hotels. He said in July the Multnomah had about 59 per cent of its nearly 500 rooms occupied compared to 72 per cent last July. The desirable percentage is 75, he said.

STAR GAZER
By CLAY R. POLLAN

Your Daily Activity Guide According to the Stars

To develop message for Wednesday, read words corresponding to numbers of your Zodiac birth sign.

1 Good	11 Talk	41 Other
2 Love	12 Kake	42 Before
3 You'll	13 Glances	43 Associate
4 Get	14 Child	44 Making
5 23-24-25	15 23-24-25	45 On-again
6 Live	16 37	46 Needs
7 Financial	17 Cupid's	47 Privacy
8 Money	18 39	48 Hats
9 Let	19 40	49 Coat
10 10-13-20-29	20 41	50 Approval
11 48-52-57	21 42	51 72
12 43	22 43	52 73
13 44	23 44	53 74
14 45	24 45	54 75
15 46	25 46	55 76
16 47	26 47	56 77
17 48	27 48	57 78
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