

## Employment in Forests May Depend on Developments

By C. K. Logan

Hundreds of men now employed in Oregon forests and mills will no longer have work unless new developments are provided with much of the future economy of the state depending upon utilization of new methods in the industry, according to Dr. Philmister Proctor, head of the state forest products research laboratory at Corvallis.

Timber in recent years has been cut at approximately twice the rate which would be permissible under a permanent and sustained yield harvest and when this rate is lowered to a sustained yield, as it must under federal forest ownership and state and federal forestry regulations, one of the great problems to be faced will be the re-employment of hundreds of men.

Four phases are being proposed by forest researchers and by millmen involved in conservation and increased utilization of wood and wood materials which are now being wasted.

First of these is the physical utilization involving the use of re-manufacturing techniques with finished products as opposed to semi-raw material being finished, Dr. Proctor points out. This calls for a greater number of employees and a higher financial return. It also calls for physical use of smaller pieces of wood, formerly discarded because it was felt uneconomical to process them. He describes the latter as handles and similar small articles and the former furniture parts and other wooden articles prepared for direct sale to the wholesaler or retailer rather than to remanufacturing firms elsewhere.

Second is the chemical utilization which involves the use of sawdust and wood chips, now almost entirely wasted. Possibilities seen by Dr. Proctor include the manufacture of insulating and fibre boards and articles of pressed and treated sawdust. Chips are used in the manufacture of paper pulp and some plastics as well as resins and similar products.

The conservation or third phase of the problem is being met by various forms of sustained yield practices, including the formation of tree farms,

areas which are devoted to raising forests as "crops" as opposed to considering them as expendable resources. It is estimated that the Western Pine association alone has 3,500,000 acres devoted to tree farms and increasing emphasis is being placed on continuing use throughout all forest areas of the west.

Pointing out that 80 per cent of all waxes used are imported, Dr. Proctor holds that Douglas fir bark contains great quantities of high-quality wax which can be extracted by methods now being developed and that some of the waxes compare to beeswax except that they are harder and less tacky. The wax has an immediate potential market with current prices ranging from 35 to 75 cents a pound. He estimates that 150 million pounds of wax is being burned in waste fir bark in the Pacific northwest each year.

In addition to wax, Douglas fir bark is a source of tannin used in curing hides and making leather with 70 per cent of all tannin used in this country being imported with much of the supplies uncertain.

Fir tannin is now undergoing preliminary tests for tanning and the first reports are encouraging. Ponderosa pine and other species also contain both wax and tannin in potentially commercial amounts, it has been discovered. Another less-known use for tannin is by oil drilling firms, which use the viscosity of drilling muds. There are also possible developments in manufacture of medicines and drugs, Dr. Proctor intimates.

Developments like agricultural mulches, artificial cork, fibre board, plastics and tiles are now under study and considerable progress is being made by both governmental and industrial laboratories. Dr. Proctor also believes that there is need of a



**Blames British—**Testifying before the house foreign affairs committee in Washington in favor of continued Marshall plan aid to Europe, Maj. Gen. William J. Donovan (above), retired, commented that the British foreign office made the decision allowing 71 U. S. registered planes in Hongkong to be turned over to the Chinese Reds. Donovan, wartime head of the OSS, said the British did it because "they were more afraid of the Chinese communists than they were of the U. S." (Acme Telephoto)

## New Daily Paper To Start in Pasco

Pasco, Wash., March 8 (AP)—A new daily newspaper, the Columbia Basin News, will begin publication here March 14.

Arthur Hagman, editor and publisher of the Pasco News, said the twice weekly paper will be converted to a morning newspaper five days a week, Monday through Friday.

Howard Parish, former publisher of the Seattle Star, is president of the corporation, the Columbia Basin Publishers, Inc. The firm purchased the subscription lists and good will of the Richland Villager, weekly community newspaper which recently suspended after five years of publication.

more widespread marketing program and acceptance of potential products not now fully developed.

## Spring Offensive Starts Here In Spruce Budworm Battle

The Spring offensive in the battle against spruce budworm was opened here Monday when the Pennsylvania Salt Manufacturing Co. of Portland was awarded a contract to supply half a million gallons of DDT spray at a cost of \$232,500.

John B. Woods Jr., assistant state forester, said the Portland firm offered to supply the spray for 46.5 cents a gallon. Other bids ranged from 50.8 to 58.2 cents a gallon.

Final steps in the planning phase of the offensive against the pest were started in the state forestry department today with preparation of initial requests calling for bids for 57 aircraft to do the spraying job.

The half-million gallons of spray—made up of one pound of DDT to 1 1/4 quarts of solvent and the remaining part of the gallon composed of fuel oil—is the amount needed to treat the half-million acres included in the state project.

The forest lands included in the state project are made up of 40 per cent private ownership and 60 per cent public.

After the spraying operation is completed, the U. S. forest service will reimburse the state of Oregon upon an actual cost basis.

Running concurrently with the state project, the U. S. forest service will use a similar amount of spray on other infested areas with predominantly federally owned or national forest land.

The spruce budworm, believed by some authorities to be an unwelcome traveler from the spruce forests of northeastern United States, first appeared in western Oregon in epidemic

ent for the state forestry department, said the \$232,500 order was the largest purchase ever approved by the state board of forestry.

Unionvale — Mr. and Mrs. Harold Wilder and four children

Capital Journal, Salem, Ore., Wednesday, March 8, 1950—17  
who have resided in Mrs. Mary E. Shelburne's house more than two months have moved to Corvallis where he has employment. Mr. and Mrs. Andrew Har-

ness of Lafayette moved into the house vacated by the Wilders. Andrew is employed at the Raleigh Worthington farm in Grand Island district.

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