

WOOD SUPPLY IN FOREST CAN BE ESTIMATED

How much wood the forest land of western Oregon and western Washington produces each year, and how much it is capable of producing under improved management, are questions that can now be answered dependably, according to Thornton T. Munger, director of the Pacific Northwest forest experiment station. The station has just completed the growth phase of a detailed survey of the region's forest resources and is issuing a report, prepared chiefly by W. H. Meyer and P. A. Briegleb, on "Forest Growth in the Douglas Fir Region."

The regional forest survey, part of a nationwide project, locally under the direction of H. J. Andrews, made a study of the depletion of existing forest resources by cutting, fires, wind storms, and insect epidemics. As a result, accurate and complete information is now available for the Douglas fir region as to the extent of timber lands, the volumes of the existing forest stands, their ages, density, productive capacity of the lands, and the quantities of timber that are being cut and otherwise killed. Previous research had revealed the rates at which Douglas fir second growth stands of normal density grow at various ages on sites of varying qualities; and the rates for hardwoods were determined by

new studies, application of these growth rates being made to inventory data. Results show just how nearly, in this region, the forest is holding its own against present inroads, and indicate to what degree, if present trends continue, it will sustain the demands of the future. Current annual growth of the Douglas fir and other coniferous forests is found to be approximately 860 million cubic feet or 2300 million board feet; that of the hardwoods 21 million cubic feet, or 72 million board feet. Average annual depletion from all causes during the decade preceding 1933 is calculated as 8300 million board feet, including a 7900 million foot cut. Measured in board feet, the current annual growth of the coniferous stands is only about 28 percent of their average annual depletion in that decade. Potential annual coniferous growth, which under intensive forestry practice could be obtained each year on the lands suitable for timber production, is found to be about 3750 million cubic feet, or 8200 million board feet. This means that in the Douglas fir region an annual drain on the forests such as that of the decade preceding 1933 could be equalled by annual growth if the over-mature stands were replaced with growing stands, forest lands now idle were regenerated, and the density of the existing second-growth stands were brought nearer to normal.

Statistics of current annual growth are tabulated separately for each of 11 geographic units into which the region was divided for survey purposes, and for each of the region's 38 western counties. Copies of this mimeographed report can be obtained gratis from the Pacific Northwest forest experiment station, 423 U. S. Courthouse.

YALE ADVANCES STUDY OF WOOD

New Haven, Conn., Aug. 21. (AP)—The Yale wood collections now contain more than 32,500 specimens, representing 10,400 named species of 2,458 genera and 225 families as the result of a worldwide study of woods by the Yale forestry school. The additions during the last two years alone almost equal the total number of specimens on hand a decade ago. The most outstanding addition was made to the collections was obtained as a result of a visit by Prof. Samuel J. Record to Holland. This consisted of a gift to Yale by the Commercial Museum of the Colonial Institute at Amsterdam of 2,215 Japanese wood specimens collected with herbarium materials by Koorders. This material was studied for

more than 30 years by Dr. Janssensius of Holland, and the results of his work were published in six volumes. Students at Yale can examine the actual material described in the text. One of the Record's major projects has been the study of the timbers of British Honduras. The work was begun years ago in cooperation with the forestry department of the colony and with the field museum on natural history. Record collaborated in the authorship of a volume on this subject, published this year by the museum. For the work in timber testing, it has been found advantageous to

use specimens of little known, but potentially important tropical trees, as the data thus obtained are contributions to science.

HEAT HITS HARD
Clear Lake—Wood has been received from Mr. and Mrs. Eck Duort, who have been visiting in

Kansas the past six weeks, they will start for Oregon about September 1 and that they are nearly overcome with the heat.

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