List of Publications on
FUNGUS DEFECTS IN FOREST PRODUCTS
AND DECAY IN TREES

December 1960

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INSTRUCTIONS FOR OBTAINING PUBLICATIONS

Publications available for distribution at this Laboratory are marked with an asterisk (*).

Single technical notes, reprints, and processed reports may be obtained free upon request from the Director, Forest Products Laboratory, Madison 5, Wisconsin.

Federal Government bulletins, circulars, and leaflets, if not available for free distribution at this Laboratory may be purchased at the prices indicated from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. Send check or money order made payable to Superintendent of Documents, stamps are not accepted.

Trade journals containing articles herein listed may often be purchased from the publishers or may be consulted in various libraries.

The Forest Products Laboratory reserves the right to furnish only those publications which in its judgment will give the information requested. Blanket requests or requests for a large number of copies of any individual article will not be filled except in unusual cases.
LIST OF PUBLICATIONS ON FUNGUS DEFECTS IN FOREST PRODUCTS 
AND DECAY IN TREES

(It is impracticable to provide a complete list of citations. This partial list, 
arranged chronologically, is furnished for your information. Other citations 
may be obtained by consulting the bibliographies in the publications listed 
below.)

FUNGUS DEFECTS IN FOREST PRODUCTS AND THEIR CONTROL

Airplane Woods

*The significance of the discolorations in aircraft veneers: Mahogany and 
Information Reviewed and Reaffirmed 1956.

*The significance of the discolorations in aircraft veneers: Yellow birch, 

*The significance of the discolorations in aircraft veneers: Sweetgum, by 

*The significance of the discolorations in yellow-poplar veneers, by G. H. 

*The significance of black line stain in yellow birch propeller lumber, by 

*The significance of the discolorations in aircraft lumber: Noble fir and 
Western hemlock, by G. H. Englerth and J. R. Hansbrough. For. Path. 

*Breaking radius of discolored wood in aircraft veneers, by T. C. Scheffer 

Temperature and moisture relations in plywood aircraft structures, by 

*The significance of the discolorations in aircraft lumber: Sitka spruce, by 


**Boats**


**Buildings and Building Materials**


*Decay prevention in wooden steps and porches through proper design and protective treatments, by A. F. Verrall. Jour. For. Prod. Res. Soc. 3:(No. 4) 54-60. 1953.


Dry rot in buildings and stored construction materials and how to combat it, by C. J. Humphrey and L. E. Miles. Alabama Polytechnic Institute Circ. 78. 1925. Reprinted 1929.


Cross Ties

Railroad tie decay: and The decay of ties in storage, by C. J. Humphrey. Special publication by Amer. Wood-Preservers' Assn. 1939. $2.00.


Lumber, Logs, and Bolts


*Sapstain and decay control tests, by Ernest Wright. The Timberman 53 (No. 6). Apr. 1952.


**Mine Timbers**


Life of timber mines and methods of increasing it, by G. M. Hunt. Third Standardization Bull., American Mining Congress. 1922.

**Plywood and Containers**


*Effect of moisture on bacterial weakening of casein-bonded plywood, by G. G. Duncan. FPL Rept. 2077, 8 pp., Apr. 1957.


**Poles and Posts**


**Pulp and Pulpwood**


NATURAL DECAY RESISTANCE OF WOOD


*Comparative durability of green and seasoned timber. FPL Technical Note F-33. 1958.


*Weathering and decay. FPL Technical Note 221. 1956.


*Comparative decay resistance of heartwood of different native species when used under conditions that favor decay. FPL Technical Note 229, 1953.


*Differences between heartwood and sapwood. FPL Technical Note 189. 1952.


Tests on the durability of greenheart, by C.J. Humphrey, Mycologia 7:204-209. 1915.

EFFECT OF FUNGI ON STRENGTH AND OTHER WOOD PROPERTIES


**PHYSIOLOGY OF WOOD-ATTACKING FUNGI**


Further studies on temperatures necessary to kill fungi in wood, by M. S. Chidester. Amer. Wood-Preservers' Assn. Proc. 35:319-324. 1939.


EVALUATION OF PROTECTIVE CHEMICALS


*Studies of the methodology of soil-block testing, by Catherine G. Duncan. FPL Rept. 2114. June 1958.


*Evaluating wood preservatives by soil-block tests:
1. Effect of the carrier on pentachlorophenol solutions.
*Evaluating wood preservatives by soil-block tests (continued):


SPECIAL TECHNIQUES IN PRODUCTS PATHOLOGY


Damage from increment borings, by W. A. Campbell. June 13, 1939.


A chisel forceps by E. E. Hubert. Phytopath. 11:175. April 1921.

CHEMISTRY OF DECAY


CULL AND DETERIORATION--LIVING AND KILLED TREES

Hardwood (Deciduous) Trees


White trunk rot of hardwoods (Fomes igniarius (L. ex Fr.) Gill.), by P. Spaulding. Tree Pest Leaflet No. 20. July 1937.


**Softwood (Coniferous) Trees**


Decay of western hemlock in western Oregon and Washington, by G. H. Englerth. Yale University, School of Forestry Bull. 50. 1942.


Red ring rot of conifers (Fomes (Trametes) pini (Thore) Lloyd), by P. Spaulding. Tree Pest Leaflet No. 17. July 1937.


CHEMICAL DISCOLORATIONS OF WOOD


ADDITIONAL LITERATURE


OTHER PUBLICATION LISTS ISSUED BY
THE FOREST PRODUCTS LABORATORY

The following lists of publications which deal with the other investigative projects of the Forest Products Laboratory are obtainable upon request:

**Boxing and Crating** -- Strength and serviceability of shipping containers, methods of packing.

**Building Construction Subjects** -- Partial list of Government publications of interest to architects, builders, engineers, and retail lumbermen.

**Chemistry of Wood and Derived Products** -- Chemical properties and uses of wood and chemical wood products, such as turpentine, alcohol, and acetic acid.

**Fire Protection** -- Fire test methods, fire retarding chemicals and treatments, and fire behavior of treated and untreated wood, wood products, and wood structures.

**Furniture Manufacturers, Woodworkers and Teachers of Wood Shop Practice** -- Partial list of Government publications on growth, structure, and identification of wood; moisture content, physical properties, air seasoning, and kiln drying; grading, manufacturing, and waste utilization; strength and related properties and joints and fastenings; glues and gluing, veneer and plywood fabrication; box and crate construction.

**Glue and Plywood** -- Development of waterproof glues, preparation, and application of various glues, plywood manufacturing problems.

**Growth, Structure, and Identification of Wood** -- Structure and identification of wood; the effect of cellular structure of wood on its strength, shrinkage, permeability, and other properties; the influence of environmental factors, such as light, soil moisture, and fire, on the quality of wood produced; and secretions of economic value produced by trees and their exploitation.

**Logging, Milling, and Utilization of Timber Products** -- Methods and practices in the lumber-producing and wood-consuming industries; standard lumber grades, sizes, and nomenclature; production and use of small dimension stock; specifications for small wooden products; uses for little-used species and commercial woods, and low-grade and wood-waste surveys.
Mechanical Properties of Timber -- Strength of timber and factors affecting strength; design of wooden articles or parts where strength or resistance to external forces is of importance.

Pulp and Paper -- Suitability of various woods for pulp and paper; fundamental principles underlying the pulping and bleaching processes; methods of technical control of these processes; relation of the chemical and physical properties of pulps and the relation of these properties to the papermaking qualities of the pulps; waste in the industry, for example, decay in wood and pulp, utilization of bark, white water losses, etc.

Seasoning of Wood -- Experimental and applied kiln drying, physical properties, air drying, steam bending.

Structural Sandwich, Plastic Laminates, and Wood-Base Aircraft Components -- Strength, selection, and character of aircraft wood, plywood, and wood and composite laminated and sandwich material; fabrication and assembly problems; methods of calculating the strength.

Wood Finishing Subjects -- Effect of coatings in preventing moisture absorption; painting characteristics of different woods and weathering of wood.

Wood Preservation -- Preservative materials and methods of application; durability and service records of treated and untreated wood in various forms.

Note: Since Forest Products Laboratory publications are so varied in subject matter no single big list is issued. Instead a list is made up for each Laboratory division. Twice a year, December 31 and June 30, a list is made up showing new reports for the previous 6 months. This is the only item sent regularly to the Laboratory's mailing list. Anyone who has asked for and received the proper subject lists and who has had his name placed on the mailing list can keep up to date on Forest Products Laboratory publications. Each subject list carries descriptions of all other subject lists.