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INSTRUCTIONS FOR OBTAINING PUBLICATIONS

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

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

Federal Government bulletins, circulars, and leaflets, if not available for free distribution at this Laboratory, may be purchased at the price indicated from the Superintendent of Documents, Government Printing Office, Washington 25, D.C. Send money order, draft, or cash; stamps or personal checks are not accepted.

Trade journals containing articles herein listed may be purchased from the publishers or 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.
FUNGUS EFFECTS ON FOREST PRODUCTS

Technical Notes

*225  Cause and prevention of blue stain in wood. 1958.
*229  Comparative decay resistance of heartwood of different native species when used under conditions that favor decay. Revised 1961.

Other Publications

*Factors that influence the decay of untreated wood in service and comparative decay resistance of different species. FPL Rept. 68. 1958.
*Control of decay and sap stain in logs and green lumber, by T. C. Scheffer. FPL Rept. 2107. 1958.


*Sapstain control treatments before or after dressing, by Carl Hartley. Special Release No. 27, 1955.


GLUED WOOD CONSTRUCTION

Technical Notes

*255  Hand-operated portable glue spreader. 1952.
*256  How to select a woodworking glue. 1958.
*258  Synthetic resin glues for wood. 1958.
1081  -3-
Other Publications


*Adhesives and their application to fabrication of farm structures, by Don Brouse. FPL Rept. 2178, 1960.


*Factors affecting strength and design principles of glued laminated construction, by A. D. Freas. FPL Rept. 2061. 1956.
GLUED WOOD CONSTRUCTION (continued)

Other Publications (continued)

*Scarf joints prove feasible for large laminated members, by Fred Werren. Wood and Wood Prod. 61(7):22, 80-81, July 1956.


THE GROWTH, STRUCTURE, AND IDENTIFICATION OF WOOD

Technical Notes

*103  How to distinguish mahogany and walnut from sweetgum. 1953.
*116  How to tell birch, beech, and maple apart. 1952.
*125  Identification of oak woods. 1952.
*153  "Virgin growth" and "second growth." 1957.
*162  Distinguishing characteristics of mahogany and woods commonly called mahogany. 1952.
*187  What is meant by "hardwoods" and "softwoods?" 1960.
*189  Differences between heartwood and sapwood. 1952.
*209  The structure of a softwood. 1958.
*210  The structure of a hardwood. 1952.
Other Publications


Wood: Colors and kinds, by Forest Products Laboratory. U.S. Dept. of Agr. Ag. Handbook 101, 36 pp., illus., Oct. 1956. 50 cents from GPO.


Guidebook for the identification of woods used for ties and timbers, by Arthur Koehler. U.S. Dept. Agr. unnumbered publication. 1917. 30 cents from GPO.

INSULATION AND MOISTURE CONTROL

Other Publications


*Water-vapor permeability of matched barrier materials as yielded by two methods, by L. V. Teesdale. FPL Rept. 2131. 1958.


INSULATION AND MOISTURE CONTROL (continued)

Other Publications (continued)

*Moisture condensation in barns, by L. V. Teesdale. FPL Rept. 1231. 1956.

Condensation control in dwelling construction, by Forest Products Laboratory in collaboration with Housing & Home Finance Agency. H&HFA unnumbered report. 1950. 25 cents from GPO.


JOINTS AND FASTENINGS

Technical Notes

*149 Strength of screw fastenings in plywood. 1958.
*243 General observations on the nailing of wood. 1957.
*247 Nailing dense hardwoods. 1953.

Other Publications


Technique of house nailing, by the Forest Products Laboratory in cooperation with the Housing & Home Finance Agency, Washington, D.C. Nov. 1947. 20 cents from GPO.
Other Publications (continued)


MECHANICAL PROPERTIES AND STRUCTURAL USES
OF WOOD AND WOOD PRODUCTS

Technical Notes

*B-14 Methods of determining the specific gravity of wood. 1956.
*101 Comparative value of timber cut from live and dead trees. 1958.
*131 Properties of ordinary wood compared with plywood. 1952.
*171 Red hickory as strong as white hickory. 1953.
*215 The white pine group. 1957.
*245 Suitability of woods for use in the frame house. 1952.
*246 Suitability of woods for use in barns and other farm structures. 1953.
*261 Segmental rafters for gothic-roofed farm buildings. 1958.

Other Publications


Other Publications (continued)


Other Publications (continued)

and


*Structural sandwich design criteria, by E. W. Kuenzi. FPL Rept. 2161. 1959.


MECHANICAL PROPERTIES AND STRUCTURAL USES
OF WOOD AND WOOD PRODUCTS (continued)

Other Publications (continued)


*Prefabricated house system developed by the Forest Products Laboratory, Madison, Wis., by R. F. Luxford. FPL Rept. 1165. Information reviewed and reaffirmed 1958.


*...Also: Diaphragm action of diagonally sheathed wood panels, by D. V. Doyle. FPL Rept. 2082. 1957.

*Observations of damage to houses by high winds, waves, and floods and some construction precautions, by R. F. Luxford and Walton R. Smith. FPL Rept. 2095. 1957.

*Recommended building code requirements for wood or wood-base materials, by L. W. Wood. FPL Rept. 2075. 1957.

MECHANICAL PROPERTIES AND STRUCTURAL USES
OF WOOD AND WOOD PRODUCTS (continued)

Other Publications (continued)

*The designing for strength of flat panels with stressed coverings. FPL Rept. 1220. 1957.

*The bending strength and stiffness of plywood, by Alan D. Freas. FPL Rept. 1304. 1956.


MECHANICAL PROPERTIES AND STRUCTURAL USES
OF WOOD AND WOOD PRODUCTS (continued)

Other Publications (continued)


Wood handbook--basic information on wood as a material of construction with data for its use in design and specification. U.S. Dept. Agr., Ag. Handbook No. 72, 1955, 528 pp. Available from the Superintendent of Documents, GPO, Washington 25, D.C., $2.00, cash or money order (stamps not accepted).


MECHANICAL PROPERTIES AND STRUCTURAL USES
OF WOOD AND WOOD PRODUCTS (continued)

Other Publications (continued)


...


MECHANICAL PROPERTIES AND STRUCTURAL USES
OF WOOD AND WOOD PRODUCTS (continued)

Other Publications (continued)

*Comparative strength properties of woods grown in the United States, by

Tests of large timber columns and presentation of the Forest Products
Laboratory column formula, by J. A. Newlin and J. M. Gahagan. U.S.

*Properties of western hemlock and their relation to uses of the wood, by
139. 1929.

THE SEASONING OF WOOD

Technical Notes

*F-15  Effect of time of cutting timber on its durability. 1958.
*F-33  Comparative durability of green and seasoned timber. 1958.
*181  Coatings for minimizing changes in the moisture content of wood.
      Revised 1960.
*186  Coatings that prevent end checks. 1959.
*213  Detection and relief of casehardening and final moisture content
      tests in kiln-dried lumber. Revised 1958.
*233  Approximate air-drying and kiln-drying periods for 1-inch lumber.
      Revised 1960.
*234  Longitudinal shrinkage of wood. 1952.
*248  Computed thermal conductivity of common woods. 1952.

Other Publications


188, 197 pp., Mar. 1961. $1.00 from GPO.
Other Publications (continued)


*Separate chapters available upon specific request:
  1. Properties of wood related to drying.
  2. Kiln types and features.
  3. Auxiliary kiln equipment.
  4. Inspection and maintenance of dry kilns and equipment.
  5. Stacking lumber and other items for kiln-drying.
  6. Kiln samples.
  7. Loading the dry kiln.
  8. Kiln schedules and drying time.
  9. Drying defects.
 10. Operating a dry kiln.
 11. Storage of wood.


THE SEASONING OF WOOD (continued)

Other Publications (continued)


WOOD FINISHING SUBJECTS

Technical Notes


Other Publications


WOOD FINISHING SUBJECTS (continued)

Other Publications (continued)

... Also: Indus. & Eng. Chem., July 1941.


*Paint peeling, causes and cures, by D. F. Laughnan. TP-70. 1958.


Painting the farm and city home, by F. L. Browne. USDA Yearbook of Agriculture 1949, pp. 625-630.
WOOD FINISHING SUBJECTS (continued)

Other Publications (continued)


When and how to paint homes and farm buildings, by F. L. Browne. President's Conf. on Home Bldg. & Home Ownership, Final Reports of Comms., V. 7, Farm & Village Housing, 1932.


WOOD PRESERVATION AND PROTECTION

Technical Notes

*135  Split posts and round posts. 1952.
*163  Determining penetration of wood preservatives. 1952.
*165  When preservative treatment of wood is an economy. Revised 1962.
*177  Properties of a good wood preservative. 1957.
*229  Comparative decay resistance of heartwood of different native species when used under conditions that favor decay. 1953.
*251  Prevention and control of decay in dwellings. 1952.

Other Publications


Other Publications (continued)


*What can be expected from treated wood in highway construction, by J. O. Blew, Jr. FPL Rept. 2235, 1961.


Other Publications (continued)

*Fire-test methods used in research at the Forest Products Laboratory. FPL Rept. 1443. 1959.

*Wood houses can be fire-safe houses, by H. D. Bruce and Don Fassnacht. Forests & People, Fourth quarter, 1958.


*Ignition and charring temperatures of wood. FPL Rept. 1464. 1958.


*Factors that influence the decay of untreated wood in service and comparative decay resistance of different species. FPL Rept. 68. 1958.

*Fire-retardant treatments for wood. FPL Rept. 2081. 1957.


Technical Notes

*240 A hundred definitions pertaining to wood and other forest products. 1958.

*250 Treating spruce and balsam fir Christmas trees to reduce fire hazard. 1952.

Other Publications


*Annual report of the Forest Products Laboratory for Calendar Year 1961.

*Some books about wood, compiled by Forest Products Laboratory. FPL Rept. 399. Revised 1961.

*Some publications on domestic and foreign woods, by Forest Products Laboratory. FPL Rept. 1479. Revised 1961.


...Also: For. News Digest, Jan. 1938; Jour. of For., Jan. 1938.

*Fifty years of service through wood research. Miscellaneous Publication No. 820, April 1960.


MISCELLANEOUS (continued)

**Other Publications (continued)**


**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.

- **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.
Fungus Defects in Forest Products--Decay, stains, and molds in timber, buildings, and various wood products; antiseptic properties of protective materials.

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 materials; fabrication and assembly
problems; methods of calculating the strength.

Thermal Properties of Wood—General information and the results of research
on how wood is affected by and transmits heat.

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 descrip-
tions of all other subject lists.