FOREST PRODUCTS LABORATORY
LIST OF PUBLICATIONS
ON
THE DRYING OF WOOD

March 1968

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
MADISON, WISCONSIN 53705

In cooperation with the University of Wisconsin

FOREST PRODUCTS LABORATORY LIST OF PUBLICATIONS

ON

THE DRYING OF WOOD

This list includes publications that give general information and the results of research by the U. S. Forest Service on experimental and applied kiln drying, physical properties, air drying, and steam bending.

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INSTRUCTIONS FOR OBTAINING PUBLICATIONS

Publications not available for distribution at this Laboratory are marked with an asterisk (*).

Single reports may be obtained free upon request from the Director, Forest Products Laboratory, Madison, Wisconsin 53705.

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, D. C. 20402. Send money order, draft, or cash; stamps or personal checks are not accepted.

Trade journals containing articles herein listed 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.

PHYSICAL PROPERTIES OF WOOD AS RELATED TO SEASONING

Title	Author	Publication and date
*Effect of structural direction and initial moisture content on swelling rate of wood.	Hittmeier, M. E.	Wood Science and Technology 1:109-121. 1967.
Standard terms for describing wood.		U.S. Forest Serv. Res. Note FPL-0171. 1967.
Effects of wood preservatives on electrical moisture-meter readings.	James, W. L.	U.S. Forest Serv. Res. Note FPL-0106. 1966.
Longitudinal permeability of green eastern hemlock.	Comstock, Gilbert	Forest Prod. J. 15(10): 441-449, Oct. 1965.
Possible applications of radiation pyrometry in wood processing.	Laughren, T. P., & Hann, R. A.	Forest Prod. J. 15(1): 31-32: Jan. 1965.
List of publications on thermal properties of wood.		FPL Rep. 65-065. 1965.
Shrinkage of coast-type Douglas-fir and old-growth redwood boards.	Comstock, G. L.	U.S. Forest Serv. Res. Paper FPL 30. 1965.
Moisture diffusion coefficients in wood as calculated from adsorption, desorption, and steady state data.	Comstock, G. L.	Forest Prod. J. 13(5): 97-103, Mar. 1963.
Torus of the bordered-pit membrane in conifers.	Sachs, I. B.	Nature 198:906-907, July 1, 1963.
*A study of drying stresses in ponderosa pine (Pinus ponderosa Laws.).	McMillen, J. M.	Proc. 15th Annual Meeting, Western Dry Kiln Clubs (West Coast Dry Kiln Club, c/o Nat. Lumber Manufacturers' Assoc., Portland, Oreg.). 1963.

*Not available at Forest Products Laboratory

PHYSICAL PROPERTIES OF WOOD AS RELATED TO SEASONING

(continued)

Title	Author	Publication and date
Nuclear magnetic resonance studies on several cellulose-water systems.	Swanson, T., Stejskal, E. O. & Tarkow, H.	Tappi 45(12):929-932, Dec. 1962.
Electron microscope expands horizons in wood research.	Sachs, I. B.	FPL Rep. 2256. 1962.
*Water-content variation in the standing aspen tree.	Bendtsen, B. A., & Rees, L. W.	Forest Prod. J. 12(9): 426-428, Sept. 1962.
Bacterial deterioration of pine logs in pond storage.	Knuth, D. T., & McCoy, E.	Forest Prod. J. 12(9): 437-442, Sept. 1962.
Effect of drying conditions on durability of California redwood.	Anderson, A. B., Duncan, C. C., & Scheffer, T. C.	Forest Prod. J. 12(7): 311-312, July 1962.
*Machining and related characteristics of United States hardwoods.	Davis, E. M.	USDA Tech. Bull. 1267. Available from Sup. of Doc., Gov. Printing Office, Washington, D.C. 20402. Price 35 cents.
Color tests for differentiating heartwood and sapwood in certain softwood tree species	Kutscha, N., & Sachs, I. B.	FPL Rep. 2246. 1962.
Changes in dimension on heating green wood.	Yokota, T., & Tarkow, H.	Forest Prod. J. 12(1): 43-52, Jan. 1962.
Recent progress toward an understanding of the physical and mechanical properties of wood.	Youngs, R. L.	Forest Prod. J. 11(5): 214-225, May 1961.

*Not available at Forest Products Laboratory.
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PHYSICAL PROPERTIES OF WOOD AS RELATED TO SEASONING

(continued)

Title	Author	Publication and date
Effectiveness of stabilized surface layers of wood as moisture barriers.	Tarkow, H., & Ishaq, S. M.	Forest Prod. J. 11(4): 203-204, Apr. 1961.
Determining the distribution of interstructural openings in wood.	Stamm, A. J., & Wagner, E.	Forest Prod. J. 11(3): 141-144, Mar. 1961.
Wetwood, bacteria, and increased pH in trees.	Hartley, C., Davidson, R. W. & Crandall, B.S.	FPL Rep. 2215. 1961.
Weights of various woods grown in the United States.		FPL Tech. Note 218. Reissued 1961.
Longitudinal shrinkage of wood		FPL Rep. 1093 Rev. 1960.
Drying stresses and stress relief in thin sections of wood	Kuebler, H.	FPL Rep. 2164. 1960.
Significance of tension wood in furniture cuttings of red oak.	Lassen, L. E., & Cooper, G. A.	FPL Rep. 2193. 1960.
Interaction of moisture and wood.	Tarkow, H.	FPL Rep. 2198. 1960.
*New method of calculating internal stresses in wood.	Youngs, R. L., & Norris, C. B.	Forest Prod. J. 9(10): 367-371, Oct. 1959.

*Not available at Forest Products Laboratory.

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PHYSICAL PROPERTIES OF WOOD AS RELATED TO SEASONING

(continued)

Title	Author	Publication and date
Recommendations of the Madison Conference on fundamental research in wood drying.	Youngs, R. L.	Forest Prod. J. 9(3): 121-124, Mar. 1959.
*General summary of the FPL wood stabilization seminar.	Tarkow, H.	Forest Prod. J. 9(3): 110-111, Mar. 1959.
*Toward new and better means of dimensionally stabilizing wood.	Stamm, A. J.	Forest Prod. J. 9(3): 107-110, Mar. 1959.
Report of dimensional stabilization seminar held at U.S. Forest Products Laboratory, Madison, Wisconsin, January 21-23, 1959.		FPL Rep. 2145. 1959. +1964.
Stresses in wood during drying.	McMillen, J. M.	FPL Rep. 1652. Rev. 1958. +1963.
Occurrence of tension wood and related seasoning defects in California black oak.	Wahlgren, H. E.	FPL Rep. 2106. 1958. +1965.
A method of calculating internal stresses in drying wood.	Youngs, R. L., & Norris, C. B.	FPL Rep. 2133. 1958. +1965.
Bending solid wood to form.	Peck, E. C.	USDA Agr. Handb. No. 125, 37 pp. 1957.

+Information reviewed and reaffirmed.

*Not available at Forest Products Laboratory.

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PHYSICAL PROPERTIES OF WOOD AS RELATED TO SEASONING

(continued)

Title	Author	Publication and date
Mechanical properties of red oak related to drying.	Youngs, R. L.	Forest Prod. J. 7(10): 315-324, Oct. 1957.
How wood shrinks and swells.	Peck, E. C.	Forest Prod. J. 7(7): 235-244, July 1957.
Methods of determining the specific gravity of wood.		FPL Tech. Note B-14. Rev. 1956.
Drying stresses in red oak: Effect of temperature.	McMillen, J. M.	Forest Prod. J. 5(4): 230-241, Aug. 1955.
Drying stresses in red oak.	McMillen, J. M.	Forest Prod. J. 5(1): 71-76, Feb. 1955.
Effects of tension wood in hardwood lumber and veneer.	Pillow, M. Y.	FPL Rep. 1943. 1953. +1962.
Computed thermal conductivity of common woods.		FPL Tech. Note 248. 1952.
Exudation of pitch and oils in wood.	Browne, F. L. & Rietz, R. C.	FPL Rep. 1735. 1949. +1959.
*Thermodynamics of the swelling of wood.	Stamm, A. J., & Loughborough, W. K.	Physical Chem. 39(1), Jan. 1935.
Same . . .		FPL Rep. 1215. 1935. +1960.

+Information reviewed and reaffirmed.

*Not available at Forest Products Laboratory.

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MOISTURE CONTENT DETERMINATION AND SPECIFICATIONS

Title	Author	Publication and date
A probe for accurate determination of moisture content of wood products in use.	Duff, John E.	U.S. Forest Serv. Res. Note FPL-0142. 1966.
Electric moisture meters for wood.	James, W. L.	U.S. Forest Serv. Res. Note FPL-08. 1963.
*Proposed tentative methods of test for moisture content of wood.		Subcomm. XI on Moisture Content of Timber, Comm. D-7, ASTM. R. C. Rietz, Chairman.
Calibration of electric moisture meters for jack and red pine, black spruce, paper birch, black ash, eastern hemlock, and bigtooth aspen.	James, W. L.	FPL Rep. 2208. 1961.
Using a resistance-type wood moisture meter to appraise decay hazard.	Moses, C. S., & Scheffer, T. C.	FPL Rep. 2147. 1959. +1965.
Comparison of three methods of determining whether southern pine poles are well air seasoned.	Mathewson, J. S. & Berger, P. J.	Forest Prod. J. 7(5): 174-177, May 1957.
*Accuracy of electric moisture meter readings on jack pine posts.	Mathewson, J. S.	Forest Prod. J. 5(5): 359-361, Oct. 1955.
*Effect of plywood glue lines on the accuracy of moisture-meter indications.	Bell, E. R., & Krueger, N. T.	Forest Prod. Res. Soc. Proc., 1949.

*Not available at Forest Products Laboratory.

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MOISTURE CONTENT DETERMINATION AND SPECIFICATIONS

(continued)

Title	Author	Publication and date
*Quality control and seasoning	Rietz, R. C.	Forest Prod. Res. Soc. Proc., 1949.
Moisture content of wood in use.	Peck, E. C.	FPL Rep. 1655. 1947. +1961.
PREDRYING TREATMENTS		
List of manufacturers and dealers for log and lumber end coatings.		FPL Rep. 66-004. 1954. Rev. 1966.
News and views of this kiln drying business: Presurfacing green oak lumber to reduce surface checking.	Rietz, R. C., & Jenson, J. A.	U.S. Forest Serv. Res. Note FPL-0146. 1966.
U.S. Forest Products Laboratory notes on the treatment of wood with polyethylene glycol.		U.S. Forest Serv. Res. Note FPL-06. 1963.
Pretreatments for the protection of southern yellow pine poles during air seasoning.	Panek, E.	Amer. Wood Pres. Assoc. Proc., Vol. 59, 1963.
Protect imported carvings with PEG.	Mitchell, H. L., & Fobes, E. W.	Forest Prod. J. 12(10): 476-477, Oct. 1962.
Seasoning green-wood carvings with polyethylene glycol-1000.	Mitchell, H. L., & Iversen, E. S.	Forest Prod. J. 11(1): 6-7, Jan. 1961.

+Information reviewed and reaffirmed.
*Not available at Forest Products Laboratory.
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PREDRYING TREATMENTS (continued)

Title	Author	Publication and date
*New antishrink treatment improves wood for gunstocks, other uses.	Mitchell, H. L.	Wood and Wood Products 65(11):50, 52, 102, Nov. 1960.
Water sprays protect hardwood logs from stain and decay.	Lane, P. H., & Scheffer, T. C.	Forest Prod. J. 10(6): 277-282, June 1960.
Protecting bulk-piled green lumber from fungi by dip treatment.	Scheffer, T. C. & Drow, J. T.	FPL Rep. 2201. 1960.
New chemical treatment curbs shrink and swell of walnut gunstocks.	Mitchell, H. L., & Wahlgren, H. E.	Forest Prod. J. 9(12): 437-441, Dec. 1959.
Effect of polyethylene glycol on the dimensional stability of wood.	Stamm, A. J.	Forest Prod. J. 9(10): 375-381, Oct. 1959.
Dimensional stabilization of wood with carbowaxes.	Stamm, A. J.	Forest Prod. J. 6(5): 201-204, May 1956.
Effect of yard-piling methods and salt treatment on checking of 5/4 red oak lumber.	Torgeson, O. W.	FPL Rep. 1759. 1950. +1961.
*Chemical treatment and seasoning of thick beech stock.	Peck, E. C., Baker, G., & Carter, R. M.	Cosgrove's Mag., June 1948. Wood, June 1948. Timber of Canada, June 1948.

+Information reviewed and reaffirmed.
*Not available at Forest Products Laboratory.

PREDRYING TREATMENTS (continued)

Title	Author	Publication and date
Chemical treatment and seasoning of thick beech stock.		FPL Rep. 1708. 1948. +1960.
Coatings for the prevention of end checks in logs and lumber.	McMillen, J. M.	FPL Rep. 1435. 1943. +1961.

AIR DRYING OF LUMBER

The air-drying of southern hardwoods.	Rietz, R. C.	South. Lbrman. 210(2617): 19-20, May 1, 1965.
A method of seasoning small quantities of lumber.	Rasmussen, E. F.	U.S. Forest Serv. Res. Note FPL-089. 1965.
Comparative strength of air-dried and kiln-dried wood.		U.S. Forest Serv. Res. Note FPL-055. 1964.
Electric moisture meters for wood.	James, W. L.	U.S. Forest Serv. Res. Note FPL-08. 1963.
Characteristics of Alaska wood.		U.S. Forest Serv. Res. Paper FPL 1. 1963.
Approximate air-drying and kiln-drying periods for 1-inch lumber.		FPL Tech. Note 233. Rev. 1960.
Status of wood drying--1959 (Research and practice in the U.S., Canada, and Europe).	McMillen, J. M., Preston, S. B., & Kozlik, C. J.	Forest Prod. J. 10(2): 82-90, Feb. 1960.

+Information reviewed and reaffirmed.

AIR DRYING OF LUMBER (continued)

Title	Author	Publication and date
Air drying of 4/4 red oak in southern Wisconsin.	Peck, E. C.	Forest Prod. J. 9(7): 197-203, July 1959.
Air drying and sticker staining of 4/4 sugar maple flooring in Upper Michigan.	Peck, E. C.	FPL Rep. 2086. 1957. +1963.
Air drying of lumber.	Peck, E. C.	FPL Rep. 1657. 1956. +1961.
Air drying of ponderosa pine lumber in Arizona.	Peck, E. C., Kotok, E. S., & Mueller, L. A.	Forest Prod. J. 6(2): 88-96, Feb. 1956.
*Lumber seasoning during construction. Same . . .	Doyle, D. V.	South. Lbrman. 191(2383): 42, July 15, 1955. Carpenter & Bldr., Convention Issue 1955.
*Seasoning beech lumber.	Baker, G., & McMillen, J. M.	Beech Util. Series No. 11. 1955. Northeastern Forest Exp. Sta., Forest Serv. USDA, Upper Darby, Pa. 19082.
*Effects of machine stacking on drying rate and degrade.	Peck, E. C.	South Lbrman., Sept. 1, 1954.
"New Look" in air drying lumber yards.	Peck, E. C.	Southern Building Supplies. Apr. 1952.
Seasoning of white oak for tight cooperage.	Rasmussen, E. E., & McMillen, J. M.	FPL Rep. 1784. 1950. +1963.

+Information reviewed and reaffirmed.
*Not available at Forest Products Laboratory.

AIR DRYING OF LUMBER (continued)

Title	Author	Publication and date
Air seasoning of lodgepole pine poles.	Mathewson, J. S.	FPL Rep. 1922. +1965.
Forest Products Laboratory instructions in flat piling to take care of variations in local conditions and in species and sizes of stock.		FPL Rep. 1672. +1961.
Air seasoning of red oak crossties.	Mathewson, J. S. Morton, C. S., & Bescher, R. H.	Amer. Wood-Pres. Assoc. Proc., 1949.
*Seasoning of aspen.	Smith, H. H.	Lake States Aspen Rep. No. 5, 1947. North Central Forest Exp. Sta. Forest Serv., USDA, St. Paul Campus, Univ. of Minn., St. Paul, Minn. 55101.
*Production, seasoning, and shipping of balsa.	Teesdale, L. V.	Timberman, Sept.-Oct.-Nov. 1943.
*Stains of sapwood and sapwood products and their control.	Scheffer, T. C., & Lindgren, R. M.	USDA Tech. Bull. No. 714. 1940. Out of print.
Seasoning dimension stock	Torgeson, O. W.	FPL Rep. 1242. 1932. +1961.

+Information reviewed and reaffirmed.
*Not available at Forest Products Laboratory.

SOLAR DRYING

Title	Author	Publication and date
Solar drying of tropical hardwoods.	Chudnoff, M., Maldonado, E. D. & Goytia, E.	U.S. Forest Serv. Res. Paper ITF-2. 1966.
Drying by solar radiation in Puerto Rico.	Maldonado, E. D. & Peck, E. C.	Forest Prod. J. 12(10): 487-488, Oct. 1962.
Drying lumber by solar energy.	Peck, E. C.	Sun at Work 7(3):4-5, 7. 1962.
Drying 4/4 red oak by solar heat.	Peck, E. C.	Forest Prod. J. 12(3): 103-107, Mar. 1962.

KILN DRYING OF LUMBER

Seasoning and handling of ramin.	McMillen, J. M.	U.S. Forest Serv. Res. Note FPL-0172. 1967.
List of dry-kiln companies and engineers and consultants in the United States.		FPL Rep. 66-006. Rev. 1966.
Operation and maintenance of lumber dry kilns.		U.S. Forest Serv. Res. Note FPL-0118. 1966.
Comparative strength of air-dried and kiln-dried wood.		U.S. Forest Serv. Res. Note FPL-055. 1964.
Full-time or part-time kiln drying.	Rasmussen, E. F. & Avanzado, M. B.	South. Lbrman., Dec. 15, 1961, pp. 99-104.

KILN DRYING OF LUMBER (continued)

Title	Author	Publication and date
Dry Kiln Operator's Manual	Rasmussen, E. F.	Agr. Handb. No. 188. 1961. Copies may be obtained from the Sup. of Doc. Gov. Printing Office, Washington, D.C. 20402. Price $1.00.
Separates from Dry Kiln Operator's Manual:		Agr. Handb. No. 188. 1961.
Chapter		
Introduction.		
1 Properties of wood related to drying.		
2 Kiln types and features.		
3 Auxiliary kiln equipment.		
4 Inspection and maintenance of dry kilns		
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.		

+Information reviewed and reaffirmed.

KILN DRYING OF LUMBER (continued)

Title	Author	Publication and date
*How to reduce degrade and kiln-drying costs.	Rasmussen, E. F.	Furniture Design and Manufacturing 32(3):53-54, 64, Mar. 1960.
Kiln drying of Engelmann spruce.	Rietz, R. C.	FPL Rep. 1944-6. 1960.
Approximate air-drying and kiln-drying periods for 1-inch lumber.		FPL Tech. Note 233. Rev. 1960.
Properties of white-pocket Douglas-fir lumber.	Wood, L. W.	FPL Rep. 2017. +1960.
Seasoning hickory lumber and handle blanks.	McMillen, J. M.	Hickory Task Force Rep. No. 4. June 1956. 36 pp. Southeastern Forest Expt. Sta., Forest Serv. USDA, Asheville, N.C. 28802.
*Drying schedule for thin red oak.	Kimball, K. E.	South. Lbrman. 191(2393): 252-254, Dec. 15, 1955.
Kiln drying water and swamp tupelo.	McMillen, J. M.	Forest Prod. J. Res. Soc. 3(5):189-196, Dec. 1953.
A small lumber-drying unit employing a portable crop drier for heat and air circulation.	Kimball, K. E., & Torgeson, O. W.	FPL Rep. 1799. 1952. +1959.

+Information reviewed and reaffirmed.
*Not available at Forest Products Laboratory.

KILN DRYING OF LUMBER (continued)

Title	Author	Publication and date
*Accelerating the kiln drying of hardwoods.	Rietz, R. C.	South. Lbrman. 181(2262): 43-44, 54, July 1, 1950.
News and views of this kiln drying business:		
Have you been experiencing wood fabrication troubles in the spring when factory switches from winter heating to opening of windows?	Rietz, R. C.	Wood, Apr. 1950. FPL Rep. 1769-2. 1950. +1962.
What are the advantages and disadvantages of the package-loaded dry kiln?	Rietz, R. C.	Wood, Nov. 1955. FPL Rep. 1769-7. 1955. +1960.
What are some of the advantages and disadvantages of package-loaded kiln trucks?	Rietz, R. C.	Wood, Jan. 1951. FPL Rep. 1769-8. 1951. +1960.
*How is case-hardening in kiln-dried lumber determined?	Rietz, R. C.	Wood, July 1951.
What precautions will minimize seasoning defects in the kiln drying of green oak lumber?	Torgeson, O. W.	Wood, July 1951. FPL Rep. 1769-11. 1951. +1962.
Do cross-piled, cross circulation lumber dry kilns produce uniformly dried lumber?	Rietz, R. C.	Wood, Oct. 1951. FPL Rep. 1769-12. 1951. +1960.
*How can black walnut gunstock blanks be kiln dried without honeycombing?	McMillen, J. M.	Wood, Dec. 1951. FPL Rep. 1769-13. 1951. +1960.

+Information reviewed and reaffirmed.
*Not available at Forest Products Laboratory.

KILN DRYING OF LUMBER (continued)

Title	Author	Publication and date
News and views of this kiln drying business: (continued)		
Does weighting of kiln loads reduce warping in kiln drying of hardwoods?	Torgeson, O. W.	Wood and Wood Products, Apr. 1952. FPL Rep. 1769-14. 1952. +1960.
Do resistance-type moisture meters correctly indicate the moisture content of wood treated with a water-repellent preservative containing pentachlorophenol?	James, W. L.	FPL Rep. 1769-15. 1954. +1960.
What is the cost of steam lost through leaks?	Mathewson, J. S.	FPL Rep. 1769-16. 1955. +1960.
Fork-lift piling of lumber packages without bolsters.	Westerholm, G.	FPL Rep. 1759-17. 1955. +1960.
The splitting and breaking of lumber when kiln charges are loaded and unloaded by power winch and cable.	Owens, J.	FPL Rep. 1769-18. 1955. +1960.
Loading and unloading track-type dry kilns with a lift truck for motive power.	Kinney, W. A.	FPL Rep. 1769-19. 1955. +1960.
How to design a sticker rack and guide so that lumber can be unloaded from a boxcar and piled directly onto kiln trucks, ready for crosspiled kilns.	Warfield, G. J.	FPL Rep. 1769-20. 1956. +1963.

+Information reviewed and reaffirmed.

KILN DRYING OF LUMBER (continued)

Title	Author	Publication and date
News and views of this kiln drying business: (continued)		
Supplying stackers with lumber and keeping stacking stalls free in a lift-truck operation.	Padgett, P.	FPL Rep. 1769-21. 1956. +1963.
Protecting packages of dry lumber when sheds are not available.		FPL Rept. 1769-22. 1956. +1963.
To determine the moisture content of boards in a piled load of lumber before take down.	Martin, L.	FPL Rep. 1769-24. 1958. +1963.
Designing stacking stalls suitable for stickering packages of lumber for lift-truck handling prior to air or kiln drying.	Ostermeier, G.	FPL Rep. 1769-25. 1959. +1963.
Can American elm be dried without excessive warping?	McMillen, J. M.	FPL Rep. 1769-26. 1960.
Chemical brown stain in pine.		FPL Tech. Note 254. Rev. 1951.
Seasoning of Ohio "red" willow artificial-limb blanks.	Torgeson, O. W.	FPL Rep. 1636. 1947. +1963.
Relative humidity and equilibrium moisture content graphs and tables for use in kiln drying lumber.		FPL Rep. 1651. +1963.
Small demountable-type lumber dry kiln for experimental drying.	Torgeson, O. W.	FPL Rep. 1671. 1947. +1961.

+Information reviewed and reaffirmed.

KILN DRYING OF LUMBER (continued)

Title	Author	Publication and date
Kiln drying of white birch turning squares.		FPL Rep. 1702. +1962.

DRY KILN MECHANICS

The drying rate of sugar maple as affected by relative humidity and air velocity.	Torgeson, O. W.	FPL Rep. 1264. +1963.
Function and calculation of ventilation in drying compartments.	Torgeson, O. W.	FPL Rep. 1265. +1963.
Simplifying the calculation of the quantity of air required in kiln drying lumber	Torgeson, O. W.	FPL Rep. 1266. +1960.
Steam requirements in lumber dry kilns.		FPL Rep. 1478. Rev. 1956. +1961.
Humidity controls for conditioning rooms.	Scheffer, T. C.	FPL Rep. 2048. 1956. +1960.
Need for uniformity of temperature in a forced-air-circulation, ventilated, dry kiln.	Rasmussen, E. F.	FPL Rep. 1669. 1947. Reprinted 1963.
Dry-kiln building materials and construction.	Teesdale, L. V.	FPL Rep. 1646. 1947. +1962.

(Some reports containing information on kiln drying aspen, balsa, beech, and Alaskan woods are listed under "Air Drying of Lumber.")

+Information reviewed and reaffirmed.

HIGH TEMPERATURE DRYING

Title	Author	Publication and date
High temperature and conventional temperature methods for drying lodgepole pine and western larch studs.	Kimball, K. E., & Lowery, D. P.	Forest Prod. J. 17(4): 32-40, Apr. 1967.
High temperature drying: Its application to the drying of lumber.	Mathewson, J. S.	Forest Prod. Res. Soc. Preprint 8th Annual National Meeting, Grand Rapids, Mich., May 1954.

SPECIAL DRYING METHODS

Accelerated methods of drying thick-sliced and thin-sawed loblolly pine.	Kimball, K. E.	Forest Prod. J. 18(1): 31-38, Jan. 1968.
Theoretical considerations in the drying of wood at pressures above atmospheric.	Hann, R. A.	Forest Prod. J. 16(4): 25-32, Apr. 1966.
Accelerated drying of lodgepole pine and western larch poles.	Lowery, D. P., & Rasmussen, E. F.	Forest Prod. J. 13(6): 221-226, June 1963.
Special methods of seasoning wood.		
Boiling in oily liquids.		FPL Rep. 1665. Rev. 1961.
High-temperature drying: Its application to the drying of lumber.		FPL Rep. 1665-1. 1957. +1963.
Solvent seasoning.		FPL Rep. 1665-2. Rev. 1961.
Vapor drying.		FPL Rep. 1665-3. Rev. 1961.

+Information reviewed and reaffirmed.

SPECIAL DRYING METHODS (continued)

Title	Author	Publication and date
Special methods of seasoning wood.		
Infrared radiation.		FPL Rep. 1665-4. 1956. +1961.
Vacuum drying of wood.		FPL Rep. 1665-5. 1956. +1963.
Chemical seasoning.		FPL Rep. 1665-6. Rev. 1960.
High-frequency dielectric heating.		FPL Rep. 1665-7. Rev. 1961.

VENEER DRYING

The manufacturer of veneer.		FPL Rep. 285. Rev. 1962.
Electrical resistance heating is used to predry veneer.	Jaranilla, E., & Lutz, J. F.	Plywood 1(11):24-26, Apr. 1961.
*Predrying veneer by resistance heating.	Jaranilla, E., & Lutz, J. F.	Wood and Wood Products 44(4):54, Apr. 1961.

+Information reviewed and reaffirmed.
*Not at Forest Products Laboratory.

VENEER DRYING (continued)

Title	Author	Publication and date
Veneer cutting and drying properties:		
Water oak.		U.S. Forest Serv. Res. Note FPL-0105, 1965.
Red alder.		FPL Rep. 1766-2. +1960.
Cottonwood.		U.S. Forest Res. Note FPL-044. 1964.
Western larch.		U.S. Forest Serv. Res. Note FPL-0163. 1967.
Western hemlock.		FPL Rep. 1766-7. 1951. +1960.
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PUBLICATION LISTS ISSUED BY THE

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The following lists of publications deal with investigative projects of the Forest Products Laboratory or relate to special interest groups and are available upon request:

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Furniture Manufacturers, Woodworkers, and Teachers of Woodshop Practice

Glue and Plywood

Growth, Structure, and Identification of Wood

Logging, Milling, and Utilization of Timber Products

Mechanical Properties and Structural Uses of Wood and Wood Products

Modified Woods, Paper-Base Laminates, and Reinforced Plastic Laminates

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