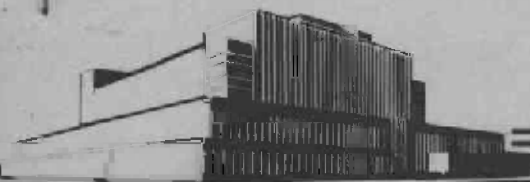


PUERTO RICAN WOODS AND THEIR UTILIZATION

A Bibliography

**Information Reviewed and Reaffirmed
October 1957**

No. 1793



**FOREST PRODUCTS LABORATORY
MADISON 5, WISCONSIN**

**UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE**

In Cooperation with the University of Wisconsin

PUERTO RICAN WOODS AND THEIR UTILIZATION¹

A Bibliography

(Compiled by ELOISE GERRY and FRANCES J. FLICK)

Forest Products Laboratory², Forest Service
U. S. Department of Agriculture

Foreword

Prepared at the request of the Tropical Forest Experiment Station of the U. S. Forest Service, Rio Piedras, Puerto Rico, this bibliography attempts to list background references contributing to a better understanding of available Puerto Rican woods and their uses. The time-span covered by the references is roughly 1900-1950. Historical material, trade statistics, and botanical description largely are omitted, although these aspects may be followed up by examining reference lists included in items cited in the bibliography.

A study of available information points out that little work has been done on Puerto Rican woods. Such a study also confirms statements of L. V. Teesdale and J. W. Girard of the U. S. Forest Service in their 1945 reconnaissance report, Wood Utilization in Puerto Rico, to the effect that there are no existing reliable statistics on the forest resource, growth, drain, production, or products requirements of the Island as a whole. A large volume of rough and finished timber products consumed in Puerto Rico are imported, although yields from existing forest cover have continuing, if unmeasured, economic importance. Better utilization of island-produced and imported timber products is a concern of the Tropical Forest Experiment Station staff, as well as of others interested in improving Puerto Rico's general economy.

Most references in the bibliography were collected by Eloise Gerry, Forest Products Technologist, in connection with her work on foreign woods in the Division of Silvicultural Relations, U. S. Forest Products Laboratory. Further checking of sources, and preparation of the list for reproduction, were done by Frances J. Flick, bibliographer, from the staff of the U. S. Department of Agriculture Library.

The bibliography is divided into three sections: I, Puerto Rican Woods and their Utilization (General); II, References Relative to Wood Protection and Preservation; III, Other References with Possible Application to the Puerto Rican Situation. Sections II and III do not represent intensive search in the subjects involved. The material is included as supplementary information for uses of the bibliography.

General arrangement within the sections is alphabetical by author. Due to the small number of references, it has not been thought necessary to index subjects

¹First published March 1951.

²Maintained at Madison, Wis., in cooperation with the University of Wisconsin.

covered. Unless otherwise indicated, call numbers at the end of each citation are those of U. S. Department of Agriculture libraries.

A primary source of references, heavily drawn upon, was a typewritten list, References on the Woods of Puerto Rico, compiled in 1948 by the Tropical Forest Experiment Station.

Other sources consulted are as follows:

Card catalogs:

U. S. Department of Agriculture Library, especially that of its Branch in the Forest Products Laboratory, Madison, Wisconsin. University of Wisconsin libraries.

Bibliographies, Indexes and Special Files:

Ahern, G. P., and Newton, H. K. A bibliography on woods of the world. 1928.

Bibliography of Agriculture, 1945-1950.

Blake, S. F., and Atwood, A. C. Geographical guide to floras of the world. USDA Misc. P. 401. 1942.

Caribbean Forester, v. 1-11. Oct. 1939-July 1950; and Index, 1949.

Record, S. J., and Hess, R. W. Timbers of the New World. 1943. Tropical Woods, cumulative index, 1949.

U. S. Forest Service, Tropical Forest Experiment Station. Publications of the Tropical Forest Experiment Station. 1950.

Bibliographies attached to included references.
Files in the Forest Products Laboratory.

PUERTO RICAN WOODS AND THEIR UTILIZATION
A Bibliography

- AHERN, G. P., and NEWTON, H. K. A bibliography on woods of the world, exclusive of the temperate region of North America and with emphasis on tropical woods. New York, Amer. Soc. Mech. Engin., 1928. 77p. 241.01 R24
References on woods of the West Indies, p. 18-21.
- APORTACIÓN pecuniaria de los bosques publicos al camposino puertorriqueno. Carib. Forester 7: 283-284. Oct. 1946. 1.9622 T2C23
- BARRETT, O. W. The fall of Porto Rican forests. Plant World 5: 11-112. June 1902. 450 P69
- BATES, C. Z. Silvicultura elemental para escolares. San Juan, Puerto Rico Dept. Agr. y Com., 1932. 34 p. 99 B31
Includes illustrations of Puerto Rican trees.
- BEVAN, A. A forest policy for the American tropics. Carib. Forester 4: 49-53. Jan. 1943. 1.9622 T2C23
Examples of plantation failures and inferior species utilization in Puerto Rico.
- _____ The forest problem in Puerto Rico. Rev. Agr. Indus. y Com. de Puerto Rico 32: 447-448. Sept. 1940. 8 R325
- BRITTON, N. L., and WILSON, P. Botany of Porto Rico and the Virgin Islands. New York Academy of Sciences, Scientific Survey of Porto Rico and the Virgin Islands, v. 5-6, 8 pts. Ref. Aug. 10, 1923-Dec. 19, 1930. 409 N483
- BRUNER, E. M. Algunas de los problemas concernientes a la silvicultura en Puerto Rico. Rev. Agr. de Puerto Rico 2(5):12-16. April 1919. 8 R325
- _____ El Bosque Nacional de Luquillo. Rev. Agr. de Puerto Rico 2(5):33-42. April 1919. 8 R325
- _____ Los manglares de Puerto Rico. Rev. Agr. de Puerto Rico 2(5):19-27. April 1919. 8 R325.
- BRUSH, W. D. Balsa (Ochroma lagopus Sw.) Information Leaflet. Forest Service, U. S. Dept. Agr. 14 p. 1945.
- _____ Lignum vitae (Guaiaecum spp.) Information Leaflet. Forest Service, U. S. Dept. Agr. 14 p. 1938.
- CARIBBEAN FORESTER, quarterly, v. 1-11. Oct. 1939-July 1950. 1.9622 T2C23
A separate author and subject index covers the period Oct. 1939-Oct. 1949.

CARIBBEAN RESEARCH COUNCIL. COMMITTEE ON AGRICULTURE, NUTRITION, FISHERIES AND FORESTRY. Forest research within the Caribbean area. Washington, 1947. 128p. Ref. 99.34 C19
Puerto Rico, p.55-59.

CARROLL, H. K. Report on Porto Rico. Washington, U. S. Treas. Dept., 1899. 813p. 151.1 C23

The fauna and flora of Porto Rico, by A. Stahl, p.222-230, includes lists of tree species, woods, their specific gravity, and their uses.

COOK, O. F. A synopsis of the palms of Porto Rico. Torrey Bot. Club. B. 28: 525-569. Oct. 1901. 456.3 C77

_____ and COLLINS, G.N. Economic plants of Porto Rico. U. S. Natl. Herb. Contr. 8: 56-269. June 27, 1903. 450 C76

COOK, M. T., and GLEASON, H. A. Ecological survey of the flora of Porto Rico. Porto Rico Dept. Agr. J. 12(1/2), 139p. Ref. July 1928. 8 P832J

DICKINSON, F. E., HESS, R. W., and WANGAARD, F. F. Properties and uses of tropical woods, I. Trop. Woods 95, 145p. June 1, 1949. 99.08 Y1Tr

Includes tests of the following Puerto Rican woods: Buchenavia capitata, Hymenaea courbaril, Manilkara bidentata, and Tetragastris balsamifera.

DURLAND, W. D. Forest regeneration in Porto Rico. Econ. Geog. 5: 369-381 Oct. 1929. 278.8 Ec7

_____ The status of forestry in Porto Rico. J. Forestry 23: 913-918. Nov. 1925. 99.8 F768

EVANS, R. M. Puerto Rico. In U. S. Forest Serv. A national plan for American forestry, p.1646-1651. Washington, 1933. 1 F76Na

GERHART, G. A. Forestry notes from Porto Rico. Forest Leaves 22: 144. June 1930. 99.8 F763

GERRY, ELOISE. Information Leaflet. Santa Maria (Calophyllum). U. S. For. Prod. Lab. Mimeo Rpt. SR-4. 14p. 1947.

GIFFORD, J. C. The Luquillo Forest Reserve, Porto Rico. U. S. Bur. Forestry B. 54, 52 p. 1905. 1 F76B

Trees of the Luquillo region, by J. C. Gifford and O. W. Barrett, p. 35-46.

GILL, T. Tropical forests of the Caribbean. Washington, Trop. Plant Res. Found., 1931. 318 p. Ref. 99.1 G41
Puerto Rico and Haiti, p.127-146.

GILORMINI, J. A. Manual para la propagación de arboles y el establecimiento de plantaciones forestales en Puerto Rico. Rio Piedras, Puerto Rico Dept. Agr. y Com., 1947. 125p. Ref. 99.47 G42

Includes tables of common and scientific tree names, and some notes on utilization incidental to silviculture.

GLEASON, H. A. and COOK, M. T. Plant ecology of Porto Rico. New York Academy of Sciences, Scientific Survey of Porto Rico and the Virgin Islands v. 7, pts. 1-2, 173p. Feb. 22, 1927. 409 N483

GREENE, E. C. Santa María; a neotropical timber of the genus Calophyllum. Trop. Woods 30: 9-16. June 1932. 99.08 Y1Tr

GREGORY, L. E. An ecological survey of the Polytechnic Institute arboretum. Carib. Forester 7: 1-36. Jan. 1946. 1.9622 T2C23

Notes on the yarey palm of Puerto Rico and the straw industry derived from it. Carib. Forester 1(4): 13-16. July 1940. 1.9622 T2C23

GROFF, G. G. Forest conditions in Porto Rico. Forest Leaves 7: 183. Dec. 1900. 99.8 F763

HAMAN, M. Where pine and tropical hardwood meet. Pan Amer. Union B. 44: 330-331. March 1917. 150.9 M76
Trade in San Juan.

HIBBEN, T., and PICO, R. Industrial development of Puerto Rico and the Virgin Islands of the United States. Port-of-Spain, Trinidad, 1948. 300p.
280.14 C192

Forest resources, p.142-144.

HILL, R. T. Notes on the forest conditions of Porto Rico. USDA Div. Forestry B. 25, 48p. 1899. 1 F76B

HOLDRIDGE, L. R. A brief sketch of the Puerto Rican flora. In Plants and Plant Science in Latin America, p.81-83. Waltham, Mass., Chron. Bot. Co., 1945. 453 V58

Calophyllum antillanum, a desirable tree for difficult planting sites. Carib. Forester 1(2): 27-28. Jan. 1940. 1.9622 T2C23

Forestry in Puerto Rico. Carib. Forester 1(1):7-11.
Oct. 1939. 1.9622 T2C23

The possibility of close cooperation for mutual benefit between agriculture and forestry in the American tropics. Carib. Forester 1(3):25-29. Apr. 1940. 1.9622 T2C23

Some notes on the mangrove swamps of Puerto Rico. Carib. Forester 1(4):19-29. July 1940. 1.9622 T2C23

HOLDRIDGE, L. R. Trees of Puerto Rico. U. S. Forest Serv., Trop. Forest Expt. Sta. Occas. Paper 1-2, 2 v. Mar., Sept. 1942. Ref. 1.9622 T20c1

HORN, C. L. Plant resources of Puerto Rico. In Plants and Plant Science in Latin America, p. 83-85. Waltham, Mass., Chron. Bot. Co., 1945. 453 V58

KRAMER, W. P. La Casuarina. Rev. Agr. de Puerto Rico 12: 15-16. Jan. 1924. 8 R325

Forestry work in the island of Porto Rico. J. Forestry 24: 419-425. Apr. 1926. 99.8 F768

Timber markets in Porto Rico. Forest Worker 6(6):11-12. Nov. 1930. 1 F76Fw

LEGRAND, J. F. Plantas utiles de Puerto Rico. Rev. Agr. de Puerto Rico 3(2):5-15; (3):21-27; (4):5-11; (5):1-9; (6):15-16; (7):12-16; 4(1):20-26; (2):5-10; (4):17-24; 5(4):1-11. July-Dec. 1919, Jan.-Feb., Apr., Oct. 1920. 8 R325

LUQUILLO species classified by utility. Carib. Forester 10: 103-104. Apr. 1949. 1.9622 T2C23

MARRERO, J. Forest planting in the Caribbean National Forest; past experience as a guide for the future. Carib. Forester 9: 85-213. Ref. Apr. 1948. 1.9622 T2C23

Experience with 38 species.

Results of forest planting in the Insular Forests of Puerto Rico. Carib. Forester 11: 107-147. July 1950. Ref. 1.9622 T2C23

What are the uses of farm forest tree species? Carib. Forester 10: 249-253. Oct. 1949. 1.9622 T2C23

MATTOON, W. R. Forest trees and forest regions of the United States. USDA Misc. P. 217, 54p. June 1940. 1 Ag84M

Forests of Puerto Rico, p.48-49, lists tree species by relative importance or abundance.

MURPHY, L. S. Forests of Porto Rico, past, present, and future, and their physical and economic environment. USDA B. 354, 99p. Ref. Oct. 20, 1916. 1 Ag84B

Trees of Porto Rico, by W. D. Brush, L. S. Murphy, and C. D. Mell, p.56-97.

A preliminary report on the forest problems of Porto Rico. Puerto Rico Bd. Commrs. Agr. Rpt. 1: 48-61. Jan. 1, 1912. 8 P832

NEW YORK ACADEMY OF SCIENCES. Scientific survey of Porto Rico and the Virgin Islands, v. 5-8, 11-15. 1923-1935. 409 N483

NÚÑEZ MELÉNDEZ, E. Plantas medicinales de posible cultivo en Puerto Rico. Puerto Rico Agr. Expt. Sta., Río Piedras, B. 67, 47p. June 1945. 100 P83
Describes native trees, among which are Guaiacum officinale and Haematoxylon campechianum.

OTERO, J. I., and TORO, R. A. Catálogo de los nombres vulgares y científicos de algunas plantas puertorriqueñas. Puerto Rico Agr. Expt. Sta., Río Piedras, B. 37, 248p. Ref. 1931. 100 P83

_____ and PAGÁN DE OTERO, L. Catálogo de los nombres vulgares y científicos de algunas plantas puertorriqueñas. Ed. 2. Mayaguez, Puerto Rico Fed. Expt. Sta., 1946. 211p. Ref. 452.14 Ot2

Ed. 1 issued as B. 37 by Puerto Rico Agr. Expt. Sta., Río Piedras, 1931. 100 P83

PERKINS, J. The Leguminosae of Porto Rico. U. S. Natl. Herb. Contr. 10: 133-220. June 10, 1907. 450 C76

PORTO RICAN woods. Amer. Lumberman 1974: 52. Mar. 15, 1913. 99.81 Am3

PUERTO RICO. FEDERAL EXPERIMENT STATION, MAYAGUEZ. Annual reports, 1936-1950. 1 Ex65

Include reports on insect investigations and on bamboo development.

PUERTO RICO. In U. S. Bur. of the Census, 16th Census of the United States: 1940. Manufactures, 1939, v.3, p.1139-1152. Washington, 1942. 157.4 C164

Includes employment information and statistics for furniture and planing-mill establishments.

PUERTO RICO AGRICULTURAL EXPERIMENT STATION. Selected bibliography on Puerto Rico. Río Piedras, 1937. 13p. 242.12 P96

Typewritten summaries evaluate 13 publication with respect to forestry information.

PUERTO RICO. SERV. FORESTAL INSULAR. Reports. Incomplete. 1935/36-to date. 99.9 P96

Reports and summaries of activities are also available in annual reports of the Puerto Rico Dept. Agriculture & Commerce and in annual reports of the Governor of Puerto Rico.

QUIÑONES, L. R. Informe preliminar sobre la utilización practica de la corteza del mangle (Rhizophora mangle). Carib. Forester 5: 44-47. Oct. 1943. 1.9622 T2C23

RECORD, S. J. and HESS, R. W. Timbers of the New World. New Haven, Yale U. Press, 1943. 640p. Ref. 99.79 R24Tn

_____ and MELL, C. D. Timbers of tropical America. New Haven, Yale U. Press, 1924. 610p. 99.79 R24T

RECORD, S. J. The woods of Mexico, Central and South America and the West Indies. In, International Critical Tables 2: 39-42. New York, McGraw-Hill, 1927. 325 In81

STAHL, A. Estudios sobre la flora de Puerto Rico. Ed. 2. San Jaun, Fed. Emergency Relief Admin., 1936-37. 3v. 456.3 St1

TEESDALE, L. V., and GIRARD, J. W. Wood utilization in Puerto Rico. Washington, U. S. Forest Serv., 1945. 46p. Ref. (TP-21) 1.962 A2W852

TROPICAL WOODS, nos.1-97. Mar. 1925-Nov. 1, 1950. 99.08 Y1Tr

A general index and index to scientific names was issued in Dec. 1949; an index to vernacular and trade names, in May 1950.

U. S. FOREST SERV., TROPICAL FOREST EXPERIMENT STATION. Annual reports, 1940-1947. Irregular. 1.9622 T2An7

Certain reports not issued separately are summarized in Caribbean Forester. . An example is the Tenth Annual Report, published in Caribbean Forester 11: 59-104. Apr. 1950. 1.9622 T2C23 P.63 summaries the year's research in forest products.

_____, Río Piedras, P. R.
Publications of the Tropical Forest Experiment Station. Jan. 1950. 10p.
1.9622 T2P96

U. S. FOREST SERV. TROPICAL REGION. General utility classification of the more important timber tree species occurring in the natural forests of Puerto Rico. 1947. 6p. 1.9622 T2G28

UPSON, A., and WADSWORTH, F. H. The development of forest land management in tropical America. U. S. Dept. State, Internatl. Organ. & Conf. Ser. 2, Amer. Repubs. 4: 582-588. 1948. (Proceedings of the Inter-Amer. Conf. on Conserv. of Renewable Nat. Resources, Denver, Colo.) 150 In82

*USES and characteristics of some native trees. Puerto Rico Serv. Forestal Insular C. 6, 4p. 1924. 99.9 P96B

*Not examined.

UTILIZATION of Puerto Rican woods. Carib. Forester 9: 69. Jan. 1948.
1.9622 T2C23

Summary of research conducted by the U. S. Forest Service, Tropical Forest Experiment Station.

WADSWORTH, F. H. Angel Monserrate's forest. Carib. Forester 10: 1-10. Jan. 1949. 1.9622 T2C23

_____. An approach to silviculture in tropical America and its application in Puerto Rico. Carib. Forester 8: 245-268. Oct. 1947.
1.9622 T2C23

Classifies Puerto Rican woods as A., Desirable species; B., Mediocre species; C., Inferior species.

WADSWORTH, F. H. The evaluation of forest tree species in Puerto Rico, as affected by the local forest problem. Carib. Forester 4: 54-58. Jan. 1943. 1.9622 T2C23

How should farm forests be managed? Carib. Forester 10: 253-259. Oct. 1949. 1.9622 T2C23
Common utility and growth rate of farm forest trees, p. 57-59.

The Las Cobanitas campeche (Haematoxylon campechianum) plantation. Carib. Forester 4: 140-143. Apr. 1943. 1.9622 T2C23

Notes on the climax forests of Puerto Rico and their destruction and conservation prior to 1900. Carib. Forester 11: 38-56. Ref. Jan. 1950. 1.9622 T2C23

Pomarrosa, Jambosa jambos (L.) Millsp. and its place in Puerto Rico. Carib. Forester 4: 183-194. July 1943. 1.9622 T2C23

Silviculture in tropical America and Puerto Rico. Carib. Comm. Mon. B. 1(11):17-21. Ref. June 1948. 280.9 C19

and GILORMINI, J. A. The potentialities of forestry on Mona Island. Carib. Forester 6: 219-244. July 1945. 1.9622 T2C23
Includes tree species.

Roble (Tabebuia pallida), a valuable forest tree in Puerto Rico. Carib. Forester 4: 59-76. Jan. 1943. 1.9622 T2C23
Further notes on regeneration in 6: 267-272. July 1945.

What will be the returns from farm forestry? Carib. Forester 10: 259-266. Oct. 1949. 1.9622 T2C23
Tabulates species, site, and age when suited for various products.

WELLWOOD, R. W. The physical-mechanical properties of certain West Indian timbers, 3 pts. Carib. Forester 7: 151-189; 191-251. Apr.-July 1946. 1.9622 T2C23

I, Dacryodes excelsa; II, Sloanea berteriana; III, Pinus Occidentalis.

WHITE, D. G. Bamboo culture and utilization in Puerto Rico. Puerto Rico. Puerto Rico Fed. Expt. Sta., Mayaguez, C. 29, 34p. Ref. Apr. 1948. 1 Ex65

COBIN, M., and SEGUINOT ROBLES, P. The relation between curing and durability of Bambusa tuloides. Carib. Forester 7: 253-273. Ref. July 1946. 1.9622 T2C23

ZON, R., and SPARHAWK, W. N. Forest resources of the world. New York, McGraw-Hill, 1923. 2v. Ref. 99.1 Z7
Porto Rico, p.651-657.

References Relative to Wood Protection and Preservation

BRITON-JONES, H. R., and MARSHALL, R. C. Observations on cypre (Cordia alliodora L.) in Trinidad with special reference to canker disease (Puccinia cordiae (P. Henn.) Arthur). Trinidad Imper. Col. of Trop. Agr. Mem., Mycol. Ser. 3, 8p. Sept. 1930. 451 Sa28

BROOKS, R. L., ADAMSON, A. M., BAKER, R. E. D., and CROWDY, S. H. Durability tests on untreated timbers in Trinidad. Carib. Forester 2: 101-119. Apr. 1941. 1.9622 T2C23

DDT protects bamboo. U. S. Dept. Agr., USDA 9(10): 4. May 8, 1950. 1 Ag84U

DELEON, D. Some observations on forest entomology in Puerto Rico. Carib. Forester 2: 160-163. July 1941. 1.9622 T2C23
Insects affecting forest products, p.162.

EDMONSON, C. H. Reaction of woods from South America and Caribbean areas to marine borers in Hawaiian waters. Carib. Forester 10: 37-42. Jan. 1949. 1.9622 T2C23

MARTORELL, L. F. Biological notes on the sea-grape sawfly, Schizocera krugii Cresson, in Puerto Rico. Carib. Forester 2: 141-144. Apr. 1941. 1.9622 T2C23

_____. Forests and forest entomology. Carib. Forester 4: 132-134. Apr. 1943. 1.9622 T2C23

_____. Notes on the biology of Mesocondyla concordalis Hübner and its parasites. Carib. Forester 2: 18-19. Oct. 1940. 1.9622 T2C23

_____. Some notes on forest entomology. Carib. Forester (1): 1:25-26; (2): 31-32; (3): 23-24; 2: 80-82. Oct. 1939-Apr. 1940, Jan. 1941. 1.9622 T2C23

_____. A survey of the forest insects of Puerto Rico, pts. 1-2. Puerto Rico U., J. Ag. 29: 69-608. Ref. July-Oct. 1945. 8 P832J

PLANK, H. K. Insecticidal properties of some plants growing in Puerto Rico. Puerto Rico Fed. Expt. Sta., Mayaguez, B. 49, 17p. Ref. Sept. 1950. 1 Ex65

_____. Biology of the bamboo powder-post beetle in Puerto Rico. Puerto Rico Fed. Expt. Sta., Mayaguez, B. 44, 29p. Ref. May 1948. 1 Ex65

_____. Studies of factors influencing attack and control of the bamboo powder-post beetle. Puerto Rico Fed. Expt. Sta., Mayaguez, B. 48, 39p. Ref. Aug. 1950. 1 Ex65

REID, D. Creosote penetration in tabonuco wood as affected by preliminary boiling treatments in organic solvents. Carib. Forester 4: 23-34. Oct. 1942. 1.9622 T2C23

SCHEFFER, T. C., and DUNCAN, C. G. The decay resistance of certain Central American and Ecuadorian woods. Trop. Woods 92: 1-24. Dec. 1, 1947. 99.08 Y1Tr

A VASCULAR wilt of Calophyllum in El Salvador. Carib. Forester 10: 309-310. Oct. 1949. 1.9622 T2C23

WOLCOTT, G. N. Comején y polilla. Puerto Rico Agr. Expt. Sta. B. 48, 26p. Mar. 1939. 100 P83
English summary.

The comparative resistance of woods to the attack of the termite Cryptotermes brevis Walker. Puerto Rico Agr. Expt. Sta. B. 33, 15p. Aug. 1924. 100 P83

The compounds of copper most effective in making wood resistant to the attack of the West Indian dry-wood termite. Cryptotermes brevis (Walker). Carib. Forester 10: 197-203. Ref. July 1949. 1.9622 T2C23

The dispersion of the cottony cushion scale in Puerto Rico in eight years. Carib. Forester 2: 132-135. Apr. 1941. 1.9622 T2C23

The entomologist looks at maga (Montezuma speciosissima). Carib. Forester 1(2):29-30. Jan. 1940. 1.9622 T2C23

Factors in the natural resistance of woods to termite attack. Carib. Forester 7: 121-150. Apr. 1946. 1.9622 T2C23

How to make wood unpalatable to the West Indian drywood termite, Cryptotermes brevis Walker. Carib. Forester 4: 145-157; 5: 171-180; 6: 245-266. July 1943, July 1944, July 1945. 1.9622 T2C23

An index to the termite-resistance of woods. Puerto Rico Agr. Expt. Sta. B. 85, 26p. Sept. 1950. 100 P83

A list of woods arranged according to their resistance to the attack of the "polilla", the dry-wood termite of the West Indies, Cryptotermes brevis Walker. Carib. Forester 1(4): 1-10. July 1940. 1.9622 T2C23

A revised listing appears in v.7: 329-336. Oct. 1946.

The most effective termite repellents. J. Econ. Entom. 42: 273-275. Apr. 1949. 421 J822

An outbreak of the scale insect, Asterolecanium pustulans Cockerell, on maga, Montezuma speciosissima. Carib. Forester 2: 6-7. Oct. 1940. 1.9622 T2C23

The permanence of termite repellents. J. Econ. Entom. 40: 124-129. Ref. Feb. 1947. 421 J822

The resistance to dry-wood termite attack of some Central American woods. Carib. Forester 9: 53-56. Jan. 1948. 1.9622 T2C23

WOLCOTT, G. N. Termite repellents: a summary of laboratory tests. Puerto Rico Agr. Expt. Sta. B. 73, 18p. Ref. Aug. 1947. 100 P83

Trees for roadside planting in Puerto Rico. Carib. Forester
6: 115-129. Apr. 1945. 1.9622 T2C23

Insects associated with trees both introduced and native.

What to do about polilla. Puerto Rico Agr. Expt. Sta. B. 68,
29p. Ref. Feb. 1946. 100 P83

Other References with Possible Application to the Puerto Rican Situation

BÄRNER, J. Die Nutzhölzer der Welt. Neudamm, Neumann, 1942-1943. 4v.
425.8 B26

BRUSH, W. D. Lignumvitae (Guajacum species). Washington, 1938. 14p. (Foreign Woods Series). 1 F76Fwo

BURNS, L. V. Roofing shingles in Jamaica. Carib. Forester 4: 9-15. Oct. 1942.
1.9622 T2C23

Includes brief notes on properties of wood utilized.

CALLAHAM, J. R. Lignum-vitae wood for processing applications. Chem. & Metall. Engin. 51(5):129-131. May 1944. 381 EL2

DAVIS, E. M. Exploratory tests on machining and related properties of fifteen tropical American hardwoods. U. S. Forest Serv., Forest Prod. Lab. R 1744, 10p. Apr. 1949. 1.9 F76LR

KRIBS, D. A. Commercial foreign woods on the American market; a manual to their structure, identification, uses, and distribution. State College, Pa. State Col. Trop. Woods Lab., 1950. 157p. Ref. 99.79 K89

Comparative anatomy of the woods of the Meliaceae. Amer. J. Bot.
17: 724-738. Ref. Oct. 1930. 450 Am36

LUXFORD, R. F. Strength values of various foreign woods. Madison, Wis., U. S. Forest Prod. Lab., 1929. 5 tables. FP Lab. 1-3 L97S

MARCO, H. F. Systematic anatomy of the woods of the Rhizophoraceae. Trop. Woods 44: 1-20. Ref. Dec. 1, 1935. 99.08 Y1Tr

MARRERO, J. Utilización de la caña guadúa en Ecuador. Carib. Forester 5: 145-151. Apr. 1944. 1.9622 T2C23

Investigated with regard to its adaptability to Puerto Rican conditions.

METCALFE, C. R., and CHALK, L. Anatomy of the Dicotyledons: leaves, stem, and wood in relation to taxonomy, with notes on economic uses. Oxford, Clarendon, 1950. 2v. 463.41 M56

MOULDS, F. R. Eucalypts and their use in semi-tropical plantings. Trop. Woods 91: 1-16. Ref. Sept. 1, 1947. 99.08 Y1Tr

RECORD, S. J., and HESS, R. W. American timbers of the family Bignoniaceae. Trop. Woods 63: 9-38. Sept. 1, 1940. 99.08 Y1Tr

American timbers of the family Lauraceae. Trop.
Woods 69: 7-33. Mar. 1, 1942. 99.08 Y1Tr

RECORD, S. J. American woods of the family Sapotaceae. Trop. Woods 59: 21-51. Sept. 1, 1939. 99.08 Y1Tr

American timbers of the mahogany family. Trop. Woods 66: 7-33. June 1, 1941. 99.08 Y1Tr

and HESS, R. W. American woods of the family Boraginaceae. Trop. Woods 67: 19-33. Sept. 1, 1941. 99.08 Y1Tr

American woods of the family Verbenaceae. Trop. Woods 65: 5-21. Mar. 1, 1941. 99.08 Y1Tr

Lignum-vitae: a study of the woods of the Zygophyllaceae with reference to the true lignum-vitae of commerce -- its sources, properties, uses and substitutes. Yale U. School Forestry B. 6, 48p. Ref. 1921. 99.9 Y1B

STEHLÉ, H. Forest types of the Caribbean Islands, I. Carib. Forester 6, sup.: 273-408. Oct. 1945. 1.9622 T2C23

Notes taxonomiques, xylologiques, et géographiques sur les chataigniers du genre Sloanea des Petites Antilles. Carib. Forester 8: 301-321. Oct. 1947. 1.9622 T2C23

SWABEY, C. The principal timbers of Jamaica. Jamaica Dept. Sci. & Agr. B. 29, n.s., 37p. 1941. 99.22 Sw1P

VELEZ, ISMAEL, and VAN OVERBEEK, JOHANNES. Plantas indeseables en los cultivos tropicales; manual ilustrado para el agricultor (basado en material de Puerto Rico). Editorial Universitaria, Rio Piedras, P. R. 1950. 497p. illus.

Mostly weeds, but a few small trees are included.

WADSWORTH, F. H. The development of Swietenia mahagoni Jacq. on St. Croix. Carib. Forester 8: 161-162. Apr. 1947. 1.9622 T2C23

WANGAARD, F. F. Tropical wood research for the furniture industry. Furniture Mfr. 64(8):50-54, 56. Aug. 1949. 300.8 F982

WEBBER, I. E. Systematic anatomy of the woods of the "Burseraceae." Lilloa 6: 441-465. Ref. 1941. 450 L62

WEHMER, C. Die Pflanzenstoffe. Jena, Gustav Fischer, 1929, 1931. 2v. & sup. 1935. 463.2 W42

For information on chemical composition and wood extractives.

WOODS, R. P. Timbers of South America. London, Timber Developmt. Assoc., 1949. 74p. 99.9 T48Ti

WOODWORTH, R. H. Economic plants of St. John, Virgin Island. Harvard U. Bot. Mus. L. 11: 29-54. Apr. 22, 1943. 451 H262