2

AN ANNOTATED BIBLIOGRAPHY OF WEST INDIAN PLANT ECOLOGY

Philip W. Rundel

Bibliography Series I

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AN ANNOTATED BIBLIOGRAPHY OF WEST INDIAN PLANT ECOLOGY

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PREFACE

This annotated bibliography of West Indian plant ecology includes 571 references. Out of necessity, rather arbitrary limits have been set on the coverage of this bibliography. Geographically it includes all of the West Indian islands of both the Greater and Lesser Antilles, as well as the Bahamas, Jamaica, Cayman Islands and Trinidad and Tobago (despite their floristic affinities to South America). Although related floristically in many cases, continental areas and other islands considered geographically out of the West Indies have not been included here -- thus Central America, southern Florida (including the Florida Keys), Bermuda, and northwestern South America (including Curacao, Bonaire and Aruba) are excluded.

The vast majority of references in the bibliography relate to studies of vegetation or floristics. Taxonomic papers dealing with vascular plant families or genera in the West Indies have not been included unless they include ecological information or pertain to ecologically important groups (e.g. conifers, grasses). Papers on forestry or economic plants have been included when they are of ecological interest or relate to floristic studies. Selected references on climates and soils have also been included, but no attempt has been made to provide an exhaustive list of such papers. Instead a small number of papers of general or specific ecological interest are provided as a basic outline for information of this type.

Complete coverage has been attempted in this bibliography only for references published since 1900. Important or interesting papers published earlier are included, but on a selective basis.

The annotations included in the bibliography outline the content of these references in brief terms. Where the content of a paper is obvious from its title, no annotations have been added. In addition, some references that could not be located for study have not been annotated.

The annotated bibliography is followed by an indexing of references by geographical coverage and subject matter. Under an alphabetical index of islands or island groups, papers dealing with each area have been categorized into seven subject areas. In most cases papers have been categorized into the single most appropriate subject area. Thus vegetation papers commonly include information on climate and/or soils, but have not been listed under these latter two categories. Narrative descriptions of botanical expeditions are generally listed under "Flora, Floristics", although they may include general descriptions of vegetation. Likewise, vegetation papers may include floristic lists.

Additions and/or corrections to this bibliography would be appreciated by the author.

I acknowledge with thanks the financial support of the Caribbean Conservation Association and Island Resources Foundation in this project. The assistance of Jeanette Low in the library work and the careful typing of Debbie Lavender and Janet Dunn is gratefully appreciated.

Table 1. Summary of References

	Vegetation	Flora, Floristics	Economic Plants, Forestry	Climate	Soils	Impact of Man on Vegetation	Paleobotany	Other Ecological Studies
Anegada	2	1						
Anguilla	1	1				1		
Antigua	5	2		3	1	1		
Bahamas	8	24	1					
Barbados	4	6	2	2	3	1		
Barbuda	2		1	1		1		
Cayman Islands	1	2						
Cayo Icacos	1	1						
Cuba	7	44	11	4	2		1	
Culebra	1							
Desecho	1							
Dominica	9	3	7					
Gonave	1	1						
Grenada	1		1					
Guadeloupe	14	19	7	1		4		
Hispaniola	6	17	7	1		1		3
Isle of Pines	4	2						
Jamaica	17	20	11	5	2	2		1
Lesser Antilles	5	9	2		2			
Martinique	8	14	9			7		
Mona	2	1						
Montserrat	5	1						

	Vegetation	Flora, Floristics	Economic Plants, Forestry	Climate	Soils	Impact of Man on Vegetation	Paleobotany	Other Ecological Studies
Navassa	1	1						
Nevis	4					1		
Puerto Rico	16	29	28	9	6	4	3	12
Saba	2	5		1				
St. Barthelemy		6				1		
St. Christopher	1	1	1			1		
St. Eustatius	1	5		1				
St. Lucia	3	1	4					
St. Martin	1	5	1					
St. Vincent	6	1	1		1			
Tobago	3	6	3		1			
Tortue	1	1						
Trinidad	13	6	8	1	3	2	2	
Vieques	1	1						
Virgin Islands	11	24	5	3				
West Indies	17	20	8	2	4	3	4	1

Acuña-Gale, J. 1939. Descriptive catalogue of Cuban orchids. Bol. Technico Estac. Exp. Agron. Cuba 60: 10221.

Acuña-Gale, J. 1964. The swamp flora of Cuba. Poeyana Ser. A 3: 1-10.

Checklist of 225 species during a 1961-62 study.

Adams, C. D., K. E. Magnus, and C. E. Seaforth. 1963. Poisonous plants in Jamaica. Caribbean Affairs n.s. no. 2. 40 p. Dept. of Extramural Studies, Univ. of the West Indies.

Adams, C. D. 1966. A checklist of the orchids of Jamaica. Amer. Orchid Soc. Bull. 35: 995-999.

Adams, C. D. 1969. A botanical description of Big Pelican Cay. Atoll Res. Bull. 35(12).

Adams, C. D. 1972. Flowering Plants of Jamaica. Univ. of the West Indies, Mono. Jamaica. 848 p.

Complete flora, replacing that of Fawcett and Rendle; includes 2888 native or fully naturalized species; bibliography.

Adams, C. D. and M. C. duQuesnay. 1971. Vegetation. pp. 48-119 In Woodley, J. D. (ed.) Hellshire Hills Scientific Survey 1970. Univ. of the West Indies and Inst. of Jamaica.

Adams, C. D., L. Kasasian, and J. Seeyave. 1970. Common weeds of the West Indies. Univ. of the West Indies, St. Augustine, Trinidad.

Alexander, W. H. 1901. The flora of St. Christopher. Bull. Amer. Geog. Soc. 33: 207-219.

Tabular list of principal economic plants, native and introduced, with vernacular names and uses.

Alain, Bro. (E. E. Liogier). 1953-63. Flora de Cuba. vols 3, 4, 5. Havana (vol. 5, Rio Piedras, Puerto Rico).

Continuation of flora begun by León in 1947.

Allan, J. A. 1957. Grasses of Barbados. Great Britain, Colonial Office. Colonial Research Pub. No. 11, London, H.M.S.O.

Allison, U. S. 1950. Soil conservation in Puerto Rico and the Virgin Islands. pp 163-165 In Soil Science in the Caribbean, Caribbean Commission, Trinidad.

Alston, A. H. G. 1935. Pteridophyta of Antigua. Including descriptive introduction by Harold E. Box. Jour. Bot. 73: 33-40.

List of 34 species; introduction gives a general description of the vegetation of Antigua.

Amshoff, G. J. H. 1942. The grasses of the Dutch West Indian Islands. Kolon, Inst. Amsterdam Mededeel. Afd. Handelsmus 25: 1-64.

Anderson, T. 1908. Report on the eruptions of the Soufriere in St. Vincent in 1902 and on a visit to Montagne Pelée in Martinique. Part II. Phil. Trans. Roy. Soc. London A. 208: 275-304.

Effects of volcanic eruption on vegetation.

Anonymous. 1893. Flora of St. Vincent and adjacent islets. Bull. Misc. Inform. Kew 1893: 231-296.

Systematic list of the vascular plants of St. Vincent and the Grenadines (Bequia, Cannouan, Mustique, Union) prepared by the botanists at Kew, with citation of exsiccatae and statement of extralimital range; brief account of physical geography; statistical plant geography. Enumerates about 1,313 species including cultivated plants.

Anonymous. 1909. Timbers of Dominica. West Indian Bull. 9: 329-345.

Annotated list of 176 timber trees, alphabetically arranged by vernacular names, with botanical names where known; list classified by uses. Revision of Imray.

Asenjo, C. F. 1937-1938. Apuntes acerca de las plantas medicinales de Puerto Rico. Revista Agr. Puerto Rico 28: 460-469, 741-748. 29: 136-141.

Extensively annotated systematic list of the principal medicinal plants with popular and official uses and chemical composition. The parts listed include Typhaceae-Orchidaceae.

Asenjo, C. F. 1940. Studies of the medicinal plants of Puerto Rico. Doct. Diss., Univ. Wisconsin.

Asprey, G. F. 1959. Vegetation in the Caribbean Area. Caribbean Quarterly 5: 245-263.

General description of vegetation.

Asprey, G. F. and A. R. Loveless. 1958. The dry evergreen formations of Jamaica. II. The raised coral beaches of the north coast. Jour. Ecol. 46: 547-570.

Quantitative description of littoral dry evergreen formations occurring on raised coastal shelves of coralline limestone.

Asprey, G. F. and R. G. Robbins. 1953. The vegetation of Jamaica. Ecol. Monogr. 23: 359-412.

Detailed discussion of plant formations and secondary plant communities in the coastal lowland, and montane regions of Jamaica.

Asprey, G. F. and P. Thornton. 1953-55. Medicinal Plants of Jamaica (4 parts). West Indian Med. Jour. 2(4):, 3(1), 4(2-3).

List and discussion of medicinal plants.

Auchinleck, G. G. 1956. The Rainfall of Antigua and Barbuda. The Antigua Sugar Association. Bridgetown, Barbados.

Bacon, P. R. 1970. The ecology of Caroni Swamp, Trinidad. Univ. of the West Indies, St. Augustine (?)

Bague, T. 1962. The forests in the history of Puerto Rico. Rev. Agr. Puerto Rico 49: 4-77.

Ballet, Jules. 1890 (1894). Description des plantes. In his La Guadeloupe. Renseignements sur l'histoire, la flore, la faune, la geologie, la mineralogie, l'agriculture . . . v. 1, [pt. 1,] p. 176-527. Basse-Terre.

Running account with descriptions, uses, vernacular names, the plants grouped principally by habit, the botanical names not given; tabular systematic list (p. 368-521), based on Grisebach, of vascular plants (Filices by Maze) and bryophytes, with vernacular names that serve to identify the species described in the first section; systematic list of cultivated plants.

Banquet, H. 1935. Le régime des terres et la condition des personnes aux Antilles françaises avant 1789. Paris.

Banyord, P. W. 1956. Forests and French Sea Power, 1660-1789. Toronto.

Role of Caribbean forest resources in French sea power.

Barbour, W. R. 1942. Forest types of tropical America. Carib. Forest. 3: 137-150.

General description of Caribbean forest types.

Barker, H. D. et al. 1930. Identification des plantes d'Haiti par leurs noms creoles. Bull. Serv. Tech. Dept. Agr. Haiti No. 18. 23 p.

Alphabetical lists of Creole vernacular names, with botanical equivalents.

Barker, H. D. and W. S. Dardeau. 1930. Flore d'Haiti. Clé et déscription des ordres, familles et genres des spermatophytes d'Haiti avec la liste de la plupart des éspèces. 456 p. Port-au-Prince.

Keys to families and genera of Spermatophyta with brief descriptions; enumeration of species under each genus, with vernacular names; glossary.

Barnham, H. 1794. Hortus americanus: Containing an account of trees, shrubs, and other vegetable productions of South America and West India islands and particularly of the island of Jamaica. Kingston: Alexander-Aikman.

Historical account of West Indian plants, with special reference to Jamaica.

Barrett, O. W. 1902a. The West Indian corkwood. Plant World 5: 205-206.

Notes on Ochroma lagopus in Puerto Rico.

Barrett, O. W. 1902b. The fall of Porto Rican forests. Plant World 5: 111-112.

Record of deforestation in Puerto Rico begun prior to 1850.

Barrett, O. W. 1925. The food plants of Porto Rico. Jour. Dept. Agr. Porto Rico 9: 61-208.

Annotated alphabetical list of vernacular names of wild and cultivated food plants and corresponding index of scientific names.

Barrett, O. W. 1929. Food plants of Porto Rico. Puerto Rico School Review 14: 14-15, 18, 42-43, 45.

Description of food plants of Puerto Rico; address given at School of Tropical Medicine, San Juan.

Bayton, H. W. 1968. The ecology of an elfin forest in Puerto Rico, 2. The microclimate of Pico de Oeste. Jour. Arnold Arb. 49: 419-430.

Microclimate of elfin forest community in Luquillo Mountains.

Baynton, H. W. 1969. The ecology of an elfin forest in Puerto Rico. 3. Hilltop and forest influences on the microclimate of Pico de Oeste. Jour. Arnold Arb. 50: 80-92.

More details of microclimate of elfin forest community in Luquillo Mountains.

Beard, J. S. 1941a. Soil erosion on the island of Chacachacare, Trinidad, B.W.I. Carib. Forest. 2: 136-137.

Effect of soil erosion.

Beard, J. S. 1941b. Land-utilization survey of Trinidad. Carib. Forest. 2: 182-187.

Survey of types of land-utilization in Trinidad.

Beard, J. S. 1942a. Montane Vegetation in the Antilles. Carib. Forest. 5: 61-74.

General description of montane vegetation.

Beard, J. S. 1942b. The use of the term "deciduous" as applied to forest types in Trinidad. Emp. Forestry Jour. 21: 12-17.

Clarification of forest terminology.

Beard, J. S. 1944a. Forestry in the Windward Islands. Development and Welfare in the West Indies Bull. 11. 183 p. Trinidad.

Beard, J. S. 1944b. Climax vegetation in tropical America. Ecology 25: 127-158.

Discussion of concepts and divisions of climax vegetation of the West Indian area.

Beard, J. S. 1944c. The natural vegetation of Tobago, B.W.I. Ecol. Monogr. 14: 135-163.

Detailed descriptions of natural plant communities; includes discussion of physiography, climate, geology and soils.

Beard, J. S. 1944d. Provisional list of trees and shrubs of the Lesser Antilles. Carib. Forest. 5: 48-67.

Beard, J. S. 1944e. A forest lover in the Caribbee Islands. I. Caribbee Islands. Jour. N. Y. Bot. Bard. 45: 97-104.

Beard, J. S. 1944f. A forest lover in the caribbee Islands. II. On the isle of spice. Jour. N. Y. Bot. Gard. 45: 121-126.

Beard, J. S. 1944g. A forest lover in the Caribbee Islands. III. On St. Vincent's Soufriere. Jour. N.Y. Bot. Gard. 45: 175-180.

Beard, J. S. 1944h. Report on forestry in St. Lucia. Castries, St. Lucia. (see also Carib. Forest 5: 170).

Beard, J. S. 1945a. A silvicultural technique in Trinidad for the rehabilitation of degraded forest. Carib. Forest. 6: 1-18.

Beard, J. S. 1945b. A brief review of the vegetation of Trinidad and Tobago. pp. 100-101, In Verdoorn, F. (ed.) Plants and Plant Science in Latin America. Chronica Botanica.

Beard, J. S. 1945c. The progress of plant succession on the Soufriere of St. Vincent. Jour. Ecol. 33: 1-9.

Description of succession up to 1942 following the eruption of 1902-3.

Beard, J. S. 1945d. The Mora forests of Trinidad, British West Indies. Jour. Ecol. 33: 173-192.

Description of forest community-type dominated by Mora excelsa; these evergreen trees are thought to have crossed to Trinidad from Guiana in Pleistocene or subrecent times over a land bridge.

Beard, J. S. 1945e. Forestry in the Leeward Islands: the British Virgin Islands. Development and Welfare in the West Indies, Bull. 7A.

Beard, J. S. 1945f. Forestry in the Leeward Islands: Barbuda. Development and Welfare in the West Indies Bull. 7B.

Beard, J. S. 1945g. A forest lover in the Caribbee Islands. IV. The cloud-capped Wilderness of Dominica. Jour. N.Y. Bot. Gard. 46: 237-248.

Beard, J. S. 1946a. The natural vegetation of Trinidad. Oxford Forest. Mem. 20: 1-52.

Detailed description of the plant communities of Trinidad, including a discussion of the flora and of environmental factors.

Beard, J. S. 1946b. A forest lover in the Caribbee Islands. V. The Helen of the West Indies. Jour. New York Bot. Gard. 47: 237-242.

Botanical description of St. Lucia.

Beard, J. S. 1947a. A forest lover in the Caribee Islands. VI. Saba to Montserrat. Jour. N.Y. Bot. Gard. 48: 82-89.

General description of the vegetation of Saba, Redonda, and Montserrat.

Beard, J. S. 1947b. A forest lover in the Caribbee Islands. VII. The limestone Caribbees. Jour. N.Y. Bot. Gard. 48: 181-188.

General description of the vegetation of Antigua and Barbuda.

Beard, J. S. 1949a. Natural vegetation of the Windward and Leeward Islands. Oxford Forestry Mem. 21: 1-192.

Beard, J. S. 1949b. Forest trees of the Windward and Leeward Islands. Unpubl. mss. Univ. of the West Indies.

Beard, J. S. 1953. The savanna vegetation of northern tropical America. Ecol. Monogr. 23: 149-215.

Brief description of savanna vegetation on Dominica, Antigua, Barbuda, Hispaniola, and Cuba.

Beard, J. S. 1955. The classification of tropical American vegetation-types. Ecology 36: 89-100.

Revisions of his 1944 paper on climax vegetation types.

Beaulieu, A. 1965. The Changing Plant Associations of Martinique from Pre-Columbian Times to the Present Day. M.S. Thesis, Department of Geography, McGill University, Toronto.

History of human impact on the vegetation of Martinique.

Beckwith, M. W. 1927. Notes on Jamaican ethnobotany. 47 p. Poughkeepsie.

Bibliography; alphabetical list of 134 medicinal plants, with uses, and general account of native plant medicines; general account of food plants.

Bello y Espinosa, D. 1881-1883. Apuntes para la flora de Puerto Rico. Anales Soc. Esp. Hist. Nat. 10: 231-304.

Catalog of species.

Bennett, H. H. 1928. Some geographica aspects of the soils of Cuba. Geogr. Rev. 18: 62-82.

Bennett, H. H. and R. V. Allison. 1928. The Soils of Cuba. Trop. Plant Res. Found.

Includes soil map (1:800,000).

Berry, E. W. 1925a. A Pleistocene flora from the island of Trinidad. Proc. U.S. Nat. Mus. 2558.

Berry, E. W. 1925b. Tertiary flora of Trinidad. Studies in Geology 6: 71-161.

Berry, E. W. 1934. Pleistocene plants from Cuba. Bull. Torrey Bot. Club 61: 237-240.

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Biaggi, V., Jr. 1963. Forest life (plants, animals) and its conservation in Puerto Rico. Carib. Jour. Sci. 3: 53-59.

Biebl, R. 1964a. Zu, Wasserhaushalt von Tillandsia recurvata L. und Tillandsia usneoides L. auf Puerto Rico. Protoplasma 58: 345-367.

Physiology and water relations of two species of epiphytic bromeliads.

Biebl, R. 1964b. Temperaturresistenz tropischer Pflanzen and Puerto Rico. Protoplasma 59: 133-156.

Detailed experiments of the temperature resistance of Puerto Rican mosses, ferns, and vascular plants.

Blanche, D. and H. Stehle. 1949. Protective measures suggested for soil erosion in Martinique. Carib. Comm. Mon. Bull. 3: 95-99.

Blaut, J. M. 1959. A Study of Cultural determinants of soil erosion and conservation in the Blue Mountains of Jamaica: Progress Report. Social and Economic Studies 8(4): 403-420.

Börgesen, F. 1898. Om vegetationen paa de Dansk-vestindiske Oer. Bot. Todskr. 22: 1-114.

Description and flora of the U.S. Virgin Islands.

Börgesen, F. 1909a. Vegetationen i Dansk-Vestindien Atlanten. pp. 601-632.

Description of the vegetation of the U.S. Virgin Islands.

Börgesen, F. 1909b. Notes on the shore vegetation of the Danish West Indian Islands. Bot. Tidskr. 29: 201-259.

Vegetation of the Virgin Islands.

Börgesen, F. 1923. On the Vegetation of the Virgin Islands of the United States, formerly the Danish West Indies. Government Printing Office, St. Thomas.

English translation of 1909 paper, not by author.

Börgesen, F. 1926. Regarding an unauthorized publication on the vegetation of the Virgin Islands. Rhodora 28: 66-67.

Note refers to unauthorized 1923 translation of the author's 1909 paper on the vegetation of the Virgin Islands; one small error is corrected.

Börgesen, F. and O. Paulsen. 1900. La végétation des Antilles Danoises. Revue Gen. Bot. 12: 99-107.

Translation of 1898 paper on the vegetation and flora of the U.S. Virgin Islands.

Boldingh, I. 1907. Lijst van planten die door de bewoners van de drie Nederlandsche Antillen, St. Eustatius, Saba en St. Martin als geneeskrachtig worden beschouwd tevens een vergelijkend oversicht van het medicinaal gebruik dat bij verschillende schrijvers over die planten wordt gevonden. Bull. Kolon. Mus. Haarlem 38: 93-112.

Annotated systematic list of medicinal plants, with vernacular names, uses and references.

Boldingh, I. 1909. A contribution to the knowledge of the flora of Anguilla (B.W.I.). Recueil Trav. Bot. Neerland. 6: 1-36.

List of 150 vascular plants; general range given.

Boldingh, I. 1909-1914. The flora of the Dutch West Indian islands. 2 v., 9 pl., 4 maps. Leyden.

Vol 1. The flora of St. Eustatius, Saba and St. Martin; vol. 2, The flora of Curacao, Aruba, and Bonaire. Systematic lists of vascular plants with citation of exsiccatae and statement of extralimital range; historical account of collectors, with detailed notes on some of the larger collections; phytogeographical data; bibliographies; separate indices to vernacular names. Vol. 1 contains 806 species, of which 674 are wild; vol. 2 contains 394 wild species.

Boldingh, I. 1913. Flora voor de Nederlandsch West-Indische eilanden. xx, 450 p. Amsterdam.

Keys to and descriptions of the plants listed in his English flora of the same islands, with vernacular names (separately indexed) and mention of the islands on which the plants occur.

Bonnet, J. A. 1948. Classification of soils of Puerto Rico useful for soil conservation. pp. 369-373 In Proc. Inter-American Conf. on Conservation of Renewable Natural Resources, Denver.

Bowden, M. J., et al. 1968. Water balance of a dry island; the hydroclimatology of St. Croix, Virgin Islands and potential for agricultural and urban growth. Geogr. Pub. at Dartmouth College, No. 6. Hanover, New Hampshire.

Bowden, M. J. et al. 1970. Climate, water balance, and climatic changes in the north-west Virgin Islands. Caribbean Research Institute. St. Thomas.

Bowman, R. G. 1941. Soil erosion in Puerto Rico. Doct. Diss., Univ. Calif. Berkeley.

Box, H. E. 1939a. A note on the vegetation of Redonda, B.W.I. Jour. Bot. 77: 311-313.

Botanical description; list of plants collected or observed by author on July 18, 1938. (About 15 miles northwest of Montserrat, 16°55' N.Lat., 62°16' W.Long.)

Box, H. E. 1939b. Observations on the landslides in St. Lucia, B.W.I., in November 1938. Emp. Forestry Jour. 18: 119-121.

Box, H. E. and A. H. G. Alston. 1939. Jour. Bot. 75: 241-258.

Annotated checklist of 97 species.

Brennan, J. F. 1936. Meterology of Jamaica. Jamaica: Gov. Print. 32 p.

Briscoe, C. B. 1966. Weather in the Luquillo Mountains of Puerto Rico. Forest Service Res. Paper. ITF-3, Inst. Trop. Forestry, Rio Piedras, Puerto Rico.

Britton, N. L. 1890. Review of the provisional list of plants of the Bahama Islands. Bull. Torrey Bot. Club 17: 187-188.

Britton, N. L. 1904a. Explorations in Florida and the Bahamas. Jour. N.Y. Bot. Gard. 5: 129-136.

Narrative of collecting on New Providence.

Britton, N. L. 1904b. Report on exploration of the Bahamas. Jour. N.Y. Bot. Gard. 5: 201-209.

Narrative of collecting on New Providence.

Britton, N. L. 1904c. Notes on the flora of the Bahamas. Torreya 4: 190.

Brief discussion of the flora of New Providence.

Britton, N. L. 1905. Explorations in the Bahamas. Jour. N.Y. Bot. Gard. 6: 78-85.

Narrative of collecting.

Britton, N. L. 1905-07. Contributions to the flora of the Bahama Islands. Bull. N.Y. Bot. Gard. 3: 441-453; 4: 115-127; 4: 137-143; 5: 311-318.

Descriptions and distributions of species.

Britton, N. L. 1906. Recent botanical explorations in Porto Rico. Jour. N. Y. Bot. Gard. 7: 125-139.

Narrative of collecting trip to Puerto Rico and Culebra Is.

Britton, N. L. 1907a. Report on the continuation of the botanical exploration of the Bahama Islands. Jour. N.Y. Bot. Gard. 8: 71-81.

Narrative of collecting.

Britton, N. L. 1907b. Further exploration in Jamaica. Jour. N.Y. Bot. Gard. 8: 229-236.

Narrative of collecting.

Britton, N. L. 1908a. Botanical exploration in Jamaica. Jour. N.Y. Bot. Gard. 9: 81-90.

Narrative of collecting.

Britton, N. L. 1908b. Further exploration in Jamaica. Jour N.Y. Bot. Gard. 9: 163-172.

Narrative of collecting.

Britton, N. L. 1909. Botanical exploration in the West Indies and Florida. Jour. N.Y. Bot. Gard. 10: 99-114.

Narrative of collecting in Cuba and Jamaica.

Britton, N. L. 1910a. Botanical exploration in Santa Clara, Cuba. Jour N.Y. Bot. Gard. 11: 109-117.

Britton, N. L. 1910b. Botanical exploration in western Cuba. Jour. N.Y. Bot. Gard. 11: 226-236.

Narrative of collecting.

Britton, N. L. 1911. Botanical exploration in Cuba. 12: 89-95.

Narrative of collecting.

Britton, N. L. 1913. Further botanical exploration in Cuba. 14: 69-76.

Narrative of collecting.

Britton, N. L. 1913. Cactus studies in the West Indies. Jour. N. Y. Bot. Gard. 14: 99-109.

Descriptions of cacti on Puerto Rico, the Virgin Islands, and other islands.

Britton, N. L. 1914. Botanical explorations in Puerto Rico and Islands adjacent. Jour. N. Y. Bot. Gard. 15: 95-103.

Narrative of collecting on Puerto Rico and on Mona and Desecho Islands.

Britton, N. L. 1915a. Further botanical exploration in Puerto Rico. Jour. N. Y. Bot. Gard. 16: 103-112.

Narrative of collecting along the western and southern coasts of Puerto Rico.

Britton, N. L. 1915b. The vegetation of Mona Island. Ann. Missouri Bot. Gard. 2: 33-58.

Physiography, soil, general features of flora; annotated list of about 292 vascular and cellular plants, with general range indicated.

Britton, N. L. 1916a. The natural vegetation of the Isle of Pines, Cuba. Jour. N.Y. Bot. Gard. 17: 64-71.

Brief narrative description of vegetation.

Britton, N. L. 1916b. The vegetation of Anegada. Mem. N. Y. Bot. Gard. 6: 565-580.

Physiography, etc.; annotated list of 123 vascular and cellular plants, with general range given; the lichens determined by L. W. Riddle.

Britton, N. L. 1918. The flora of the American Virgin Islands. Mem. Brooklyn Bot. Gard. 1: 19-118.

Annotated systematic list of the plants (including principal cultivated species) of St. Thomas, St. Jan, and St. Croix, formerly the Danish west Indies; physical geography; annotated bibliography; list of collectors. Musci by E. G. Britton, Hepaticae by A. W. Evans, Lichenes by L. W. Riddle; references to literature on Fungi and Algae. Enumerates 1,052 native species (excluding fungi and algae), of which 27 are endemic.

Britton, N. L. 1922. Botanical Investigations in Porto Rico. Jour. N. Y. Bot. Gard. 23: 49-59.

Narrative of collecting on Puerto Rico.

Britton, N. L. 1923. Botanical Exploration of Porto Rico and the Virgin Islands. Jour. N. Y. Bot. Gard. 24: 93-99.

Narrative of collecting on Puerto Rico and the U.S. Virgin Islands.

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Flora domingensis (8: 1-860), systematic flora, without keys, listing 3000 species including 983 endemics; the pteridophytes of Hispaniola are treated in 9: 273-397 (540 species); Collectors, plant communities, and phytogeography of Hispaniola are treated in 9: 1-54. See Carroll and Sutton, 1965, for index.

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Narrative of collecting trip.

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ANEGADA

Vegetation

Britton, 1961; Schomburgk, 1832.

Flora, Floristic

D'Arcy, 1971.

ANGUILLA

Vegetation

Harris, 1965.

Flora, Floristics

Boldingh, 1909.

Impact of Man on Vegetation

Harris, 1965.

ANTIGUA

Vegetation

Beard, 1947b; Charter, 1937; Harris, 1965; Loveless, 1960; Wheeler, 1916.

Flora, Floristics

Alston, 1935; Wheeler, 1916.

Climate

Auchinleck, 1956; Charter, 1937; Loveless, 1960.

Soils

Charter, 1937.

Impact of Man on Vegetation

Harris, 1965.

BAHAMAS

Vegetation

Coker, 1905; Eggers, 1892; Harshberger, 1903; Herrick, 1886; Howard, 1950b; Nutting, 1895; Osborne, 1910; Randall, 1958.

Flora, Floristics

Britton, 1890; 1904a; 1904b; 1904c; 1905; 1905-07; 1907a; Britton and Millspaugh, 1920; Dolley, 1889; Dyer, 1888; Gardiner and Brace, 1889; Hitchcock, 1891; 1893; Howard, 1950; 1964; Howe and Wilson, 1908; Millspaugh, 1906-09; Nash, 1905a; Northrop, 1902; Nutting, 1895; Osborne, 1910; Small, 1910a; 1910b; Wilson, 1909.

Economic Plants, Forestry

March, 1949.

BARBADOS

Vegetation

Beard, 1944f; Gooding, 1944; 1947; Hughes, 1750.

Flora, Floristics

Allan, 1957; Gooding et al., 1965; Hardy, 1932; 1934; Maycock, 1830; Schomburgk, 1848.

Economic Plants, Forestry

Hardy, 1935; Hughes, 1750.

Climate

Rouse, 1962; Tandoh, 1965.

Soils

Hudson, 1969; Vernon and Carroll, 1963; 1966.

Impact of Man on Vegetation

Watts, 1966.

BARBUBA

Vegetation

Beard, 1947b; Harris, 1965.

Economic Plants, Forestry

Beard, 1945f.

Climate

Auchinleck, 1956.

Impact of Man on Vegetation

Harris, 1965.

BEATA

See HISPANIOLA

CAYMAN ISLANDS

Vegetation

Doran, 1953.

Flora, Floristics

Fawcett, 1899; Hitchcock, 1889.

CAYO ICACOS

Vegetation

Britton, 1924a.

Flora, Floristics

Britton, 1924a.

CAYO LARGO

See CUBA

CUBA

Vegetation

Carabia, 1941a; 1945a; León, 1942; Seifriz, 1940; 1943; Uphof, 1928; Waibel, 1943.

Flora, Floristics

Acuna-Gale, 1939;1 1964; Alain, 1953-63; Britton, 1909; 1910a; 1910b; 1911; 1913; Carabia, 1941a; 1941b; 1942; 1943; 1945b; Combs, 1897; Florin, 1933; Franquilla y Balboa, 1927; Gomez de la Maza, 1887; 1889; 1897. Gomez de la Raza and Roig y Mesa, 1914; Grisebach, 1866; Hawkes, 1949; 1951; León, 1928; 1931; 1943; 1946; León and Alain, 1951; Leon, 1918; Marie-Victorin and León, 1942; Montague and Achille, 1845-55; Proctor, 1950; Sanvalle, 1873; Seifriz, 1940; Shaver, 1909; 1910a; 1910b; 1912a; 1912b; 1912c; 1913; Taylor, 1906; Underwood, 1905; Wilson, 1911; 1912.

Economic Plants, Forestry

Combs, 1897; Fernow, 1906; Fors, 1937; 1947; Gomez de la Maza, 1889a; Gomez de la Maza and Roig y Mesa, 1914; Roig y Mesa, 1928; 1930; 1966; Roumaine, 1942; Segui, 1900.

Climate

Chamberlin, 1940; Cuba, 1946; Fassig, 1925; Wraight, 1951.

Soils

Bennet, 1928; Bennet and Allison, 1928.

Paleobotany

Berry, 1934; Gomez de la Maza and Roig y Mesa, 1914.

CULEBRA

Vegetation

Britton, 1906.

DESECHO

Vegetation

Britton, 1914.

DOMINICAN REPUBLIC

See HISPANIOLA

DOMINICA

Vegetation

Beard, 1945a, Brown, 1962; Domin, 1928; Hodge, 1943; 1954; Howard, 1962; Pidduck, 1940; Stehle, 1947a.

Flora, Floristics

Anonymous, 1909; Hodge, 1941a; 1942; 1954.

Economic Plants, Forestry

Anonymous, 1909; Beard, 1944a; Brown, 1962; Hodge, 1954; Hodge and Taylor, 1957; Imray, 1962; Pidduck, 1940.

GONAVE

Vegetation

Ekman, 1930.

Flora, Floristics

Ekman, 1930.

GRENADA

Vegetation

Howard, 1962.

Economic Plants, Forestry

Beard, 1944a.

GRENADINES

See ST. VINCENT

GUADELOUPE

Vegetation

Bollet, 1890; Feldman and Lami, 1936; Grebert, 1934; Howard, 1912; Lassere, 1961; Stehlé, 1936; 1937a; 1937b; 1940; 1944a; 1945a; 1958; Stehlé and Bruet, 1953; Stehlé and Dulan, 1950.

Flora, Floristics

Bollet, 1890; Duss, 1897; Lacroix, 1934; Maze, 1892; Questel, 1946; 1951; Stehlé, 1935; 1936-37; 1938b; 1939a; 1939b; 1940; 1943a; 1944b; 1946a; 1946b; 1947b; 1954; Stehlé, Stehlé and Quentin, 1937-40.

Economic Plants, Forestry

Banquet, 1935; Banyord, 1956; Grebert, 1934; Guichon, 1948; Stehlé, 1943b; 1943-44; 1945a.

Climate

Leroux, 1926.

Impact of Man on Vegetation

Banquet, 1935; Grebert, 1934; Lassere, 1941b; 1961.

HAITI

See HISPANIOLA

HISPANIOLA (See also NAVASSA, TORTUE, and GONAVE islands)

Vegetation

Ciferri, 1936; Curtis, 1947; Durland, 1922; Gabb, 1871; Holdridge, 1943; Urban, 1898-1928.

Flora, Floristics

Barbour, 1942; Barker and Dardeau, 1930; Keman, 1926; 1928; Florin, 1933; Haussler, 1914; Howard, 1950a; Jimenez, 1966; Lacroix, 1934; Moscoso, 1943; Nash, 1903; 1905b; Ostenfeld, 1924; Schiffino, 1927; Schott et al., 1967; Taylor, 1910; Urban, 1898-1928.

Economic Plants, Forestry

Corneille, 1951; Durland, 1922; Holdridge, 1943; Pierre-Noel, 1959-60; Roumaine, 1942; Schiffino, 1927; Swabey, 1939a.

Climate

Brooks, 1921.

Impact of Man on Vegetation

Banquet, 1935.

Other Ecological Studies

Curtis, 1946a; 1946b; Curtis and Blondeau, 1946.

ISLE OF PINES

Vegetation

Britton, 1916a; Jennings, 1917; Rowlee, 1903; Winsberg, 1958.

Flora, Floristics

Jennings, 1917; Roig y Mesa, 1923.

JAMAICA

Vegetation

Asprey and Loveless, 1958; Asprey and Robbins, 1953; Brockman-Jerosch and Brockman-Jerosch, 1925; Chapman, 1940; 1944a; 1944b; Howard and

Proctor, 1957; Loveless and Asprey, 1957; Oersted, 1856-57; Proctor, 1964; Shreve, 1914; 1942; Stearn, 1959; Steers, 1940a; 1940b; 1940c; Swabey, 1942.

Flora, Floristics

Adams, 1972; Barnham, 1794; Britton, 1907b; 1907c; 1907d; 1909; Fawcett, and Rendle, 1910-36; Harris, 1952; Hitchcock, 1899; Lewis, 1943; 1947; Macfayden, 1837-50; Proctor, 1953; 1967; Stearn, 1959; Storer, 1958; Swabey, n.d.; Walter, 1934; 1938.

Economic Plants, Forestry

Adams et al., 1963; Beckwith, 1927; Blant, 1959; Croucher, 1925; Fawcett, 1891; Jenman, 1890-93; Storer, 1958; Swabey, 1938; 1939b; 1939c; 1941.

Climate

Brennan, 1936; Guernsey, 1941; Hutchinson, 1937; Jamaica, 1943; Jamaica, 1963.

Soils

Croucher, 1939; Croucher and Swabey, 1938.

Impact of Man on Vegetation

Blant, 1959; Innes, 1959.

Other Ecological Studies

Tressler, 1956.

JOST VAN DYKE

See VIRGIN ISLANDS

LESSER ANTILLES

Vegetation

Beard, 1944e; 1949a; Hodge, 1941b; Howard, 1962; Smith, 1745.

Flora, Floristics

Beard, 1944; 1949b; Grisebach, 1857; 1864; Harris, 1962; Stehlé and Stehlé, 1947; 1957; Velez, 1954; 1957.

Economic Plants, Forestry

Beard, 1944a; Cater, 1944.

Soils

Hardy, 1951; Hardy and Rodriquez, 1941.

MARTINIQUE

Vegetation

Anderson, 1908; Beaulieu, 1965; Howard, 1962; Perret, 1935; 1950; Stehlé, 1937c; 1944a; 1945a.

Flora, Floristics

Duss, 1897; Lacroix, 1934; Privault, 1937; Stehlé, 1938a; 1938b; 1939b; 1941; 1943a; 1944b; 1946a; 1946b; 1947b; 1954.

Economic Plants, Forestry

Banquet, 1935; Banyord, 1956; Beard, 1944a; Kervegant, 1937; Stehlé, 1942a; 1942b; 1943b; 1943-44; 1945a.

Impact of Man on Vegetation

Banquet, 1935; Beaulieu, 1965; Blanche and Stehlé, 1949; Kimber, 1969; Revert, 1949; Stehlé, 1941a; 1941b.

MONA

Vegetation

Britton, 1914; 1915b.

Flora, Floristics

Little, 1955.

MONTSERRAT (Including REDONDA)

Vegetation

Beard, 1947a; Box, 1939a; Howard, 1962; Martin-Kaye, 1959; Perret, 1950.

Flora, Floristics

Shafer, 1907.

MORANT CAYS

See JAMAICA

NAVASSA

Vegetation

Ekman, 1929a.

Flora, Floristics

Ekman, 1929a.

NETHERLANDS ANTILLES

See SABA, ST. EUSTATIUS, ST. MARTIN

NEVIS

Vegetation

Howard, 1962; Martin-Kaye, 1959; Merrill, 1958; Smith, 1745.

PEDRO CAYS

See JAMAICA

PINES, ISLE OF

See ISLE OF PINES

PUERTO RICO

Vegetation

Dansereau, 1966; Eggers, 1882; 1883; Gifford, 1905; Gleason and Cook, 1927; Hill, 1899; Holdridge, 1940; Howard, 1968; Kumme and Briscoe, 1963; Ledru, 1810; Murphy, 1916; Pico, 1938; Recher and Recher, 1966; Velez, 1940; Wadsworth, 1950; White, 1963.

Flora and Floristics

Bello y Espinosa, 1881-1883; Britton, 1906; 1913; 1914; 1915a; 1922; 1923; 1924b; 1925; 1927; 1930; Britton and Wilson, 1923-1930; Brush et al., 1916; Cook and Gleason, 1928; Cook, 1901; Fee, 1866; Gifford and Barrett, 1905; Griggs, 1901; Holdridge, 1942; Liogier, 1967; Little and Wadsworth, 1964; Marie-Victorin, 1944; Otero, 1946; Otero and Toro, 1931; Shafer, 1915; Stahl, 1885-1888; Underwood, 1901; Urban, 1898-1928; Wilson, 1902.

Economic Plants, Forestry

Asenjo, 1938; 1940; Bague, 1962; Barrett, 1902a; 1902b; 1925; 1929; 1963; Britton, 1925; 1926b; 1928; 1929; Cook and Collings, 1903; Dawkins, 1961; Ewel, 1963; Gifford, 1905; Hill, 1899; Holdridge, 1942; Little, 1964; Marrero, 1949; 1950; Martorell, 1962; Murphy, 1916; Swabey, 1939a; Toshi, 1959; Wadsworth, 1950b; 1951-52; 1962; Winters and Almeyda, 1953.

Climate

Bayton, 1968; 1969; Briscoe, 1966; Clegg, 1963; Gates, 1969; U.S. Weather Bureau, 1965; Wadsworth, 1947; 1948; Wadsworth and Englerth, 1949.

Soils

Allison, 1950; Bonnet, 1948; Bowman, 1941; Dorsen et al., 1903; Lugo-Lopez, 1950; Wadsworth and Bonnet, 1951.

Impact of Man on Vegetation

Barrett, 1902b; Biaggi, 1963; Cook and Gleason, 1928; Wadsworth, 1950a.

Paleobotany

Hollick, 1926a; 1926b; 1929.

Other Ecological Studies

Biebl, 1964a; 1964b; Briscoe and Vozzo, 1963; Ewel, 1963; Gates, 1969; Gill, 1969; Howard, 1969; 1970; Lyford, 1969; Odum, 1970; Wagner et al., 1969; Weaver et al., 1973.

REDONDA

See MONTSERRAT

SABA

Vegetation

Beard, 1947a; Stoffers, 1956.

Flora, Floristics

Amshoff, 1942; Boldingh, 1907; 1909-1914; 1913; Stoffers, 1962.

Climate

Netherlands Antilles, 1953-.

ST. BARTHELEMY

Flora, Floristics

Lacroix, 1934; Le Gallo and Monachino, 1956; Monachino, 1941; Monachino and Le Gallo, 1956; Questel, 1942; Wikstrom, 1826.

Impact of Man on Vegetation

Banquet, 1935.

ST. CHRISTOPHER (ST. KITTS)

Vegetation

Merrill, 1958.

Flora, Floristics

Alexander, 1901; Box and Alston, 1939; Proctor, 1962.

Economic Plants, Forestry

Alexander, 1901.

ST. CROIX

See VIRGIN ISLANDS

ST. EUSTATIUS

Vegetation

Stoffers, 1956.

Flora, Floristics

Amshoff, 1942; Boldingh, 1907; 1909-14; 1913; Stoffers, 1962.

Climate

Netherlands Antilles, 1953-.

ST. JOHN

See VIRGIN ISLANDS

ST. KITTS

See ST. CHRISTOPHER

ST. LUCIA

Vegetation

Beard, 1946b; Box, 1939b; Howard, 1962.

Economic Plants, Forestry

Beard, 1944a; 1944h; Lang, 1954a; 1954b.

ST. MARTIN

Vegetation

Stoffers, 1956.

Flora, Floristics

Amshoff, 1942; Boldingh, 1907; 1909-1914; 1913; Stoffers, 1962.

Climate

Netherlands Antilles, 1953-;

ST. THOMAS

See VIRGIN ISLANDS

ST. VINCENT (Including the GRENADINES--BEQUIA, CANNOUAN, MUSTIQUE, UNION)

Vegetation

Anderson, 1908; Beard, 1944g; 1945c; Howard, 1952a; 1962; Sands, 1912.

Flora, Floristics

Anonymous, 1893.

Economic Plants, Forestry

Beard, 1944a.

Soils

Hardy, 1939.

Climate

Bowden et al., 1968; 1970; U.S. Weather Bureau, 1965.

WEST INDIES

Vegetation

Asprey, 1959; Beard, 1942a; 1944b; 1953; 1955; Budowski, 1956; Burtt-Davy, 1938; Gill, 1931; Graham, 1962; Harshberger, 1911; Howard, 1968; Leon, 1957; Richards, 1952; Richards et al., 1939; Seifriz, 1952; Stehlé, 1945b; 1946c.

Flora, Floristics

Barnham, 1794; Burtt-Davy, 1930; Carlquist, 1965; Chrysler, 1948; Clarke, 1951; Grisebach, 1865; Guppy, 1917; Hall, 1966; Hitchcock, 1889; Hitchcock and Chase, 1917; Moldenke, 1943; Oviedo, 1535; Proctor, 1961; Ridley, 1930; Robertson and Ridley, 1963; Stearn, 1965; Stehlé and Marie, 1947; Trealease, 1913; Urban, 1898-1928; Vahl, 1796-1807.

Economic Plants, Forestry

Baker, 1965; Brooks, 1947; Burtt-Davy, 1930; Descourtilz, 1833; Grosourdy, 1864; Morris, 1888; Stehle, 1945-1946c; Wilson, 1936.

Climate

Lahey, 1958; Reed, 1926.

Soils

Commission Caraibe, 1950; Hardy, 1931-36; 1946; Smith, 1965.

Influence of Man on Vegetation

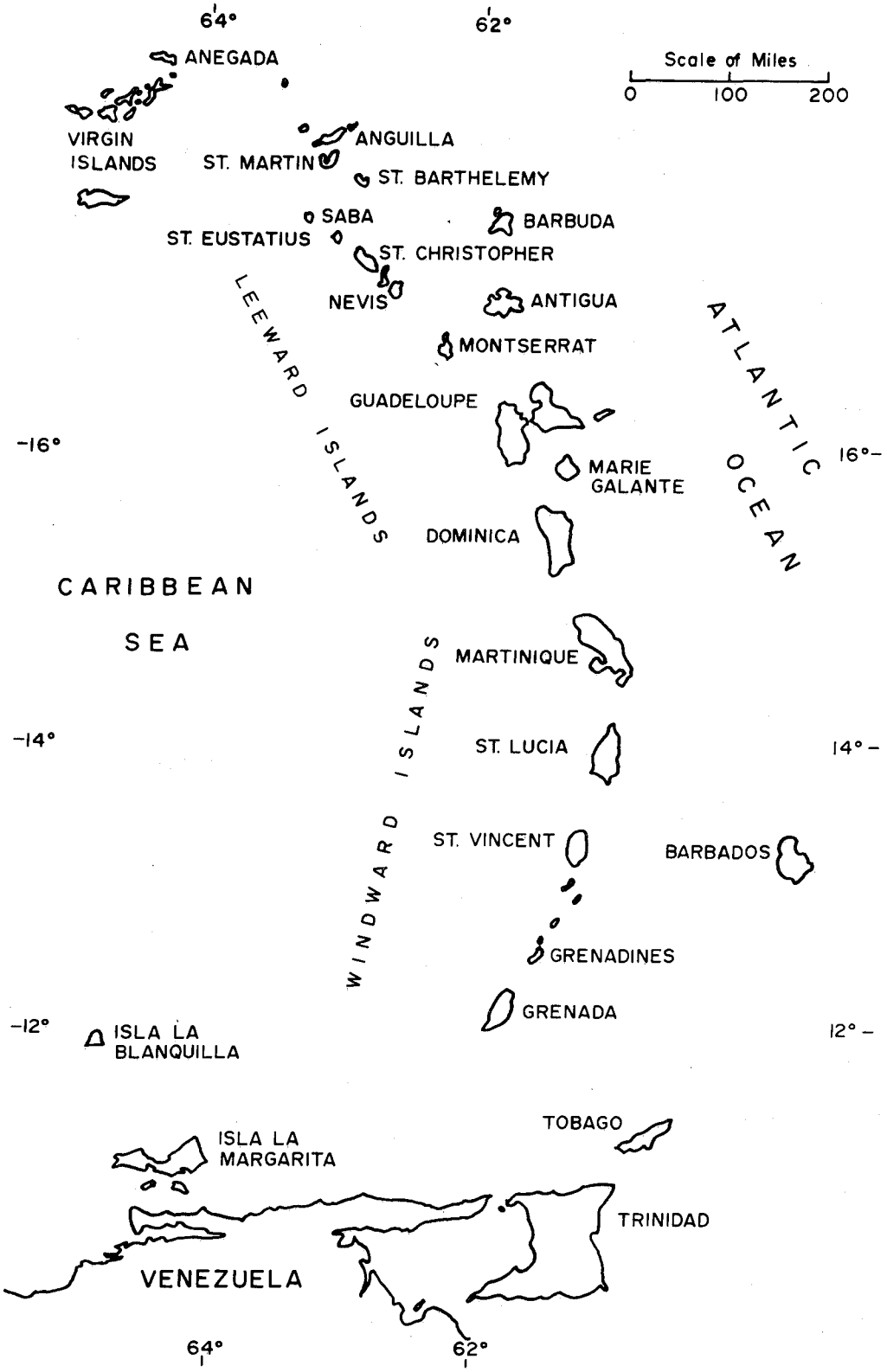
Howard, 1952b; Westermann, 1952; 1953.

Paleobotany

Berry, 1942; Darrah, 1945; Hollick, 1924; La Motte, 1944.

Other Ecological Studies

Hills, 1960.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62°
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ANEGADA
VIRGIN ISLANDS
ST. MARTIN
ANGUILLA
ST. BARTHELEMY
SABA
ST. EUSTATIUS
BARBUDA
ST. CHRISTOPHER
NEVIS
ANTIGUA
MONTSERRAT
LEEWARD ISLANDS
GUADELOUPE
MARIE GALANTE
ATLANTIC OCEAN
16°
DOMINICA
CARIBBEAN SEA
MARTINIQUE
14°
ST. LUCIA
WINDWARD ISLANDS
ST. VINCENT
BARBADOS
GRENADINES
GRENADA
12°
ISLA LA BLANQUILLA
TOBAGO
ISLA LA MARGARITA
TRINIDAD
VENEZUELA
64°
62°

84°
78°
72°
66°
60°
24°
18°
12°
FLORIDA
BAHAMA ISLANDS
ATLANTIC OCEAN
CUBA
ISLE OF PINES
CAICOS IS.
TURK'S IS.
CAYMAN IS.
TORTUE
GONAVE
NAVASSA
HISPANIOLA
JAMAICA
MONA
DESECHO
CULEBRA
VIRGIN IS.
PUERTO RICO
VIEQUES
ANTIGUA
GUADELOUPE
DOMINICA
MARTINIQUE
ST LUCIA
ST VINCENT
GRENADA
TOBAGO
TRINIDAD
CARIBBEAN SEA
CENTRAL AMERICA
Scale of Miles
0 100 200
ARUBA
BONAIRE
VENEZUELA

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