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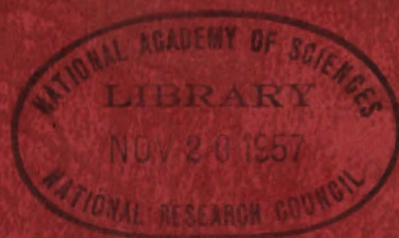
ISLAND BIBLIOGRAPHIES

by

Marie-Hélène Sachet

and

F. Raymond Fosberg



PACIFIC SCIENCE BOARD

National Academy of Sciences—

National Research Council



ISLAND BIBLIOGRAPHIES

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ISLAND BIBLIOGRAPHIES

Micronesian Botany

Land Environment and Ecology of Coral Atolls

Vegetation of Tropical Pacific Islands

by

Marie - Hélène Sachet

and "

F. Raymond Fosberg

Compiled under the auspices of the

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**The Pacific Science Board wishes
to express its appreciation to the
South Pacific Commission for a
grant which aided the publication
of these Island Bibliographies.**

TO

**ELMER DREW MERRILL, Arnold Professor
of Botany, Emeritus, Harvard University,
whose bibliographies of the botany of the
Pacific area form the foundation for all
subsequent work in this field. The impor-
tance of his contribution to Pacific botany
requires no emphasis from his followers.**

ISLAND BIBLIOGRAPHIES

By Marie-Hélène Sachet and F. Raymond Fosberg
Pacific Vegetation Project

Foreword

The great unsolved problem of modern scientific methodology is that of bibliography, that of knowing what has been accomplished already. In starting any line of investigation the scientist is faced with the choice of ignoring his predecessors, possibly wasting much time on work that has already been done and missing valuable information and ideas or of spending a large proportion of his time in study of current and past literature on the field. The latter alternative is preferable from almost any viewpoint, though the amount of time involved makes it very expensive.

The nearest approaches to a satisfactory solution of this problem are comprehensive literature reviews and annotated cross-indexed bibliographies. The literature review is for many purposes the better of these but has the disadvantage that all of the information is likely to be colored by the bias of the reviewer, to be presented only in relation to his own point-of-view and prejudices. This difficulty is shared to a slight extent by the annotated bibliography, but since the latter is actually a key to literature, itself, the user has more opportunity to evaluate previous work on its own merits.

Any worker who, for his own investigation, explores the literature of a field with some thoroughness may do his colleagues a useful service if he presents the results of such a search in the form of an annotated bibliography. His familiarity with the contents of the papers examined may enable him to save later workers an enormous amount of time by indicating very briefly what the paper is, whether it contains original or pertinent information and what aspect of the field is covered. A subject cross-index makes the contents readily accessible, at least from the point-of-view covered by the indexer.

It is from this standpoint that the literature on botany relating to the Micronesian area, that on land aspects of coral atolls, and that on vegetation of the tropical Pacific Islands, have been listed in the bibliographies here presented. It will be noted that there are substantial departures from accepted bibliographic style and standards. Inconsistencies will be found, especially in abbreviations, in nature and content of annotations, and in style of writing the annotation. For these, insofar as they bother any users, the authors apologize. They feel justified, however, in publishing the bibliographies in this form because their primary task is the study of vegetation, not bibliography, and it would be improper to spend further time on purely bibliographic details, especially since neither is a trained bibliographer. Furthermore, they have not had the benefit of professional editorial criticism, such as would be normally available in the publication of a book. The bibliographies are offered in their present form to students of the Pacific, with the hope that not too many errors of fact have crept in, and that their usefulness will justify the work that has gone into them.

It will be noticed that there is frequent repetition of items from one to another of the three bibliographies. This could have been avoided, but it was felt that the user would have been ill-served thereby. As it is the annotations have been made more pertinent to the subjects, and the indices less complicated. Also, during the preparation of the three works it was not certain that they would be published together.

In making the annotations the purpose has been to describe the contents of the items, rather than to abstract them. An indication is intended of the nature of the article or book, the type of subject matter covered within the scope of the bibliography, whether popular or more technical, whether original or compiled, in short, enough to tell the user if he needs to read the paper or not. In cases where only a species or two are noted or described from Micronesia or from coral atolls, these are indicated, usually with the page numbers. In such cases the name of the collector, if given, may be included, with the collection numbers, as (Krämer), (Gaudichaud), or (Volkens 216, 235). Incidental bibliographic notes are also frequently included. Islands are frequently mentioned under the names or spellings of names used in the works, though not consistently. If there seems any chance of confusion more familiar names or spellings are added in parentheses.

Mimeographed material has been included, and indicated as such, even though much of it is of a temporary nature and most of it has a very limited distribution. This is unfortunate, but is a fact, and does not justify ignoring the information. Occasional unpublished items have been included, but no effort has been made to locate unpublished material except where it has a direct bearing on our own work. Place of deposit of unpublished material is ordinarily indicated.

Such standard reference works as dictionaries, encyclopedias, and atlases as well as most library catalogs, lists of serials, and abstract journals have not been included. It is assumed that most users are familiar with such sources and have ready access to them. It is by no means intended to minimize their importance. No attempt has been made, either, to list material in newspapers or popular news magazines.

The cross indexing has been done largely on the basis of the titles and annotations. It is certainly not to be considered exhaustive, but is sufficient to give anyone a key to the principal literature on any of the topics included in the index. Attention should be called to the necessity, in using any topical section in the indices, of consulting all of the more inclusive categories under which it falls. There has been little attempt to index more finely than the lowest category into which the article as a whole falls. For example, if an item deals with more than one island of an archipelago, it will usually be indexed only under the archipelago, not under the separate islands.

The abbreviations of the titles of serials used in the bibliography are listed, with full titles and, often, the agency of publication, and, if not evident, the place of publication. The previously published list of abbreviations in Merrill's Botanical bibliography of islands of the Pacific has been used as the basis of the present list but many changes and numerous additions have been introduced. Library call numbers are included, wherever possible for the Library of Congress, or if the serials are not available there, for other Washington libraries, if not available in Washington, then for the

library elsewhere in which it was examined. Call numbers for books are included similarly in the main bibliography.

The style of reference citation adopted differs from that usual in library bibliographic work. It was felt that here the primary purpose of the reference is identification of the works cited and that an important purpose is dating them. To save labor, the style of citation adopted was the briefest that would adequately and fully accomplish these purposes.

An alphabetical arrangement of the main body of the text of each bibliography, by authors, has been adopted, not because of any special preoccupation with the authors, but because this arrangement best facilitates cross reference.

Transliteration from Japanese characters has been done according to the Modified Hepburn System, as recommended by the Japanese Section of the Orientalia Division, Library of Congress, except where quoting transliterations done by authors or editors of publications cited.

It is a pleasure to be able to acknowledge and thank the numerous colleagues and institutions that have provided assistance and facilities, looked up scarce items, loaned books, sent reprints, and called our attention to items that otherwise might have been missed. Among individuals who have helped materially in the preparation of these bibliographies are Miss Ernestine Akers, Mr. Yasuhei Ashizawa, Mr. Ted Ballard, Miss Brenda Bishop, Mr. E. H. Bryan, Dr. Josiah Bridge, Mr. Harold J. Coolidge, Dr. Helen Foster, Miss Elizabeth Hall, Dr. L. B. Holthuis, Prof. Takahide Hosokawa, Mr. Andrew Y. Kuroda, Dr. Frank Lebar, Dr. Jacques May, Miss Elizabeth McConnell, Dr. G. P. Murdock, Rev. Hugh O'Neill, Mr. Don J. Pletsch, Dr. Donald Rogers, Mrs. Lazella Schwarten, Dr. D. L. Serventy, Dr. C. G. G. J. van Steenis, Mrs. Katsuyo L. Takeshita, Dr. Hisayoshi Takeda, Miss Margaret Titcomb, Dr. Egbert H. Walker, Mrs. Marie F. Wandel, Mrs. Juliette Wentworth, and Miss Joyce Wright. Others have given leads or called attention to items that might be pertinent and thanks are extended to them, also, though they are too numerous to list here.

The actual preparation of the bibliography has largely been done using the collections of the Library of Congress, of which the Orientalia Division, the Science Division, and the Serials Division have been most helpful with materials under their care. Especial thanks are due to the Stack and Reader Division for generous provision of study facilities.

The following other institutions have been most generous in making available their facilities during the progress of the work: The Smithsonian Institution, the U. S. National Museum Library and the divisional libraries of the Museum, the Library of the U. S. Department of Agriculture, the U. S. Geological Survey, the U. S. Armed Forces Medical Library, the U. S. Weather Bureau, the Langlois Herbarium, the Economic and Scientific Section of SCAP, Tokyo, the New York Botanical Garden, the Peabody Museum of Harvard University, The Arnold Arboretum, Yale University, the Academy of Natural Sciences of Philadelphia, the American Geographical Society of New York, the New York Public Library, the Peabody Institute Library, the Bernice P.

Bishop Museum, and the University of Hawaii.

By far the greater part of the work has been done by the first author. Mr. Luhrs Stroud has helped with translations of Japanese material. Mrs. Eleni K. Oktay and Miss Marion Marchese typed the manuscripts, Mrs. Oktay and Mrs. Flora Spencer typed most of the final reproduction copy, and Mrs. Lena Lidji and Mrs. Caroline P Miller typed many of the cross index cards. The second author supplied the basic bibliography, supervised the work, read many of the papers, provided critical annotations, and accepts the responsibility for statements made and errors which have passed undetected.

All items located up to November 1, 1954 are included; many of those located or published after the typing was completed may be found in the Addenda at the end of the volume. Some of these additions are indexed; others were found too late. The authors will appreciate having their attention called to omissions and errors found by users of the work. Corrections and items located or published subsequently will be accumulated for possible supplements.

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ANNOTATED BIBLIOGRAPHY OF MICRONESIAN BOTANY

Introduction

As a background for work on the vegetation of Micronesia it was necessary to assemble all available information on the flora, early accounts of the islands and their exploration, agricultural history, and economic botany, as well as on the ecology and vegetation of the region. It was found that the published bibliographies were by no means complete or adequate for this purpose, so a card catalog was made of all items located and examined. This forms the basis of the bibliography, but an effort has been made to locate and include any published work on other aspects of plant science, also, in order that the bibliography may be reasonably complete.

The area covered includes the Marianas, Caroline, Marshall, and Gilbert archipelagoes, besides the isolated islands of Marcus, Wake, Mapia, Nau-ru, and Ocean. Botany has been construed in its broadest sense, to include anything concerning plants. As to the basis for selection of material, it was considered better to include all items found, however unimportant, and to indicate in the annotations whether or not they contain anything of value. This gives the critical user an opportunity to consult the original articles in any case where he has any doubt. The authors have no illusions that everything is included. Listed are all papers that they have been able to find during several years of investigation of the vegetation of Micronesia. An effort has been made to see every item, to verify the citations, and to evaluate the contents. If the reference has not been actually checked and verified during the progress of this work, it is annotated "Not seen", or if only an abstract by another worker has been available, a note is added to the annotation saying "Abstract, original not seen" or "Abstract Hosokawa" (for a large series of abstracts of unavailable Japanese papers kindly sent by Prof. T. Hosokawa). A considerable number of Japanese articles have been translated in detail during this

investigation by Mr. G. Luhrs Stroud, in collaboration with F. R. Fosberg. These are marked "Tr." at the end of the annotation. Carbon copies of these translations have been deposited at the Library of the U. S. Department of Agriculture, the U. S. National Herbarium, and the B. P. Bishop Museum Library, and are available for consultation or micro-filming. A microfilm negative is at the Library of Congress.

During the latter part of the work, the authors were fortunate to have available the services of Dr. Hisayoshi Takeda, in Tokyo, who has examined, abstracted, and, where useful, translated, various articles written wholly or partly in Japanese. Such are indicated in the text by "Abstract Takeda" or "Tr. Takeda", and the translations, where made, are on file in the office of the Pacific Geological Surveys Section, U. S. Geological Survey, Tokyo, Japan, in the library of the U. S. Geological Survey, Washington, D.C., and in the office of the Pacific Vegetation Project, Washington, D. C. Available, also, have been the services of Mr. Yasuhei Ashizawa, director of the former Agricultural Experiment Station in Palau, who has examined and made notes of the contents of various articles in Japanese, particularly on agriculture in Micronesia. These are indicated in the text by "Abstract Ashizawa." It has been fortunate, indeed, that, through the cooperation of the Military Geology Branch, U. S. Geological Survey, this additional coverage of Japanese literature has been added.

A part of the actual bibliographic work was done while the authors were working on a contract with the Office of the Quartermaster General of the U. S. Army, much of it on their own time. The facilities and encouragement of the Pacific Science Board of the National Research Council and the U. S. Geological Survey have aided the authors in their task.

ANNOTATED BIBLIOGRAPHY OF MICRONESIAN BOTANY

- Abbott, R. T.
Operation snailfolk.
Nat. Hist. 60: 280-285, 1951.
Popular account of the introduction from Africa of *Gonaxis kibweziensis* into the Marianas to combat *Achatina fulica*. Includes a good aerial photo of Agiguan.
- Abe, M.
[Palau plants used for fishing].
Zool. Mag. (Tokyo) 50: 44, 1938.
Paragraph in Japanese, mentioning *Derris elliptica*, *Callicarpa cana*, *Pangium edule* and *Barringtonia asiatica* as plants used for fishing.
- Abe, N.
Ecological survey of Iwayama Bay, Palao.
Palao ... Studies 1: 217-324, 1937.
Above purely coral zones distinguishes an *Enhalus* zone (*E. acoroides*) with algae, and above, mangrove zone (*Rhizophora apiculata*, *R. mucronata*, *Sonneratia caseolaris*), p. 315. Presence of mangrove said to be related more to physical than to chemical nature of bottom sand or mud.
- Abe, N., Eguchi, M. and Hiro, F.
Preliminary survey of the coral reef of Iwayama Bay, Palao.
Palao ... Studies 1: 17-35, 1937.
Mentions a few plants, algae, *Enhalus*, etc., and shows some pictures of vegetation. Detailed map of the bay.
- Abe, Y.
Hibiscus rosa-sinensis L. (Malvaceae).
Kagaku Nanyō 1 (1): 27-29, 1938.
Studies frequency of blooming in Palau. Abstract, original not seen.
- Adati, M.
Angewandte mikrobiologische Untersuchungen
über die Böden von den Südseeinseln.
Jour. Soc. Trop. Agr. 13 (3): 248-260; 13 (4): 314-320, 1941; 14 (1): 22-29; 14 (2): 113-130, 1942.
In Japanese, titles in German. Concern Saipan and Tjinian.
- Agardh, C. A.
Species Algarum.
Vol. 1: 1-531, Lund, 1823 [?]
Systematic. *Anadynomene obscura* reported from Guam (Gaudichaud's collection), p. 401. NYBG.
- Agardh, J. G.
Till Algernes Systematik. Nya bidrag 5. VIII Siphoneae.
Lunds Univ. Årsskr. 23: 1-174, 1887.
Systematic. At least one Micronesian reference: *Halimeda opuntia* f. *triloba* from the Carolines, pp. 83-84. NYBG.
- Agassiz, A.
The coral reefs of the tropical Pacific.
Mem. Mus. Comp. Zool. Harvard 28: 1-410, 1903; plus 2 vol. plates.
The "Albatross" visited the Gilberts, Marshalls, Carolines and Marianas, pp. 232-378. The report includes data on climate, descriptions of islands, superficial mentions of vegetation (e. g. mangrove). Many of the plates in the second vol. show vegetation of Micronesian islands.
- Alexander, J. M.
The islands of the Pacific.
1-515, N. Y., 1895; ed. 2, 1-369, N. Y., 1908.
Contains scattered information on geography, vegetation, economic plants, etc., with photographs, including some Micronesian islands. LC: DU21.A37 (ed. 1), DU21.A39 (ed. 2).

Alleizette, C. d'

Botanique IV. Explication des planches de l'atlas:

in, Vaillant, Voyage ... la Bonite, 1841-66, 1-186, Paris, 1866.

See Gaudichaud, C. undated.

Allied Forces

Annotated bibliography of the Southwest Pacific and adjacent areas. 2: 1-274, 1944.

Includes a number of items containing mentions of vegetation and listed here. LC: Z4501. A4.

Alston, A. H. G.

Notes on Selaginella.

Jour. Bot. 72: 223-230, 1934.

Contains description of *S. kanehirae* from the Carolines, and a few notes on the Malaspina Expedition and Thaddeus Haenke.

Alsheler, B.

Natural history index-guide.

1-583, N. Y., 1940.

Bibliographic index with extensive cross-references; pp. 143-150, cross-index to island literature, with some Micronesian references. By no means exhaustive. LC: Z7401.A47,1940.

Alvarez Guerra, J.

Un viaje por oriente de Manila a Marianas.

1-237, Madrid, 1883.

Not seen. See Blumentritt, 1883.

De Manila a Marianas.

1-307, Madrid, 1887.

Description of a trip to the Marianas. Superficial and not too valuable. A superficial, not too accurate paragraph on the vegetation of Guam, p. 175. Description of the island, with a few plants mentioned (only Spanish names given) pp. 238-239. Agriculture and useful plants, pp. 255-263. Peabody Inst.: 919.14 A473 Ma.

Ames, O.

The orchids of Guam.

Philip. Jour. Sci. C. Bot. 9: 11-16, 1914.

Description of several new species from Guam, and new records for other species.

Anderson, D.

The plants of Arno Atoll, Marshall Islands.

Atoll Res. Bull. 7: 1-4, i-vii, 1951.

Preliminary report, including brief description of vegetation, and list of plants collected in 1950.

Andersson, N. J.

Ein Weltumsegelung mit der Schwedischen Kriegsfregatte "Eugenie" 1851-1853.

1-384, Leipzig, 1854.

Includes description of Mokl and Ponape with brief notes on plants (mostly food-plants) and vegetation, and mention of Guam. CY: S. 22.99.

See also Skogman, 1856.

Anon.

[Islands in the Pacific Ocean].

Naut. Mag. 17: 570-582, 642-651, 1848; 18: 22-30, 1849.

Includes gazetteer of various Carolines, and notes on food plants on some of the atolls, especially, on Ponape; brief mention of Ocean and Nauru. Vocabularies for Ponape, Yap and Palau, with some plant names.

Bemerkungen über den Atoll von Ebon in Mikronesien.

Zeitschr. f. Allg. Erdk. Berlin n. s. 11: 216-218, 1861.

Not original, mostly compiled from Doane 1861. Gives some old names of atoll, with a word on vegetation. Cites Doane's list of plants for Ebon and Bikri Islets.

Die Karolinen.

Hamb. Gart. Blumenz. 41: 490-492, 1885.

Brief compilation, mainly from Meinecke, on the botany of the Carolines. Unimportant.

Nüsse von Parinarium Hahlil Warb.

Tropenpfl. 6: 370-371, 1902.

Not by Warburg. Contains a description of *P. hahlil* (*P. glaberrimum*) with a discussion of its uses and chemical characteristics. From Ponape.

Meteorologische Beobachtungen aus den deutschen Schutzgebieten der Südsee für das Jahr 1902,

Mitt. deutsch. Schutzgeb. 16: 231-240, 1903.

Includes data on rainfall in Micronesian Islands for 1902.

Niederschlagsmengen auf den Palau-, Marianen-, Karolinen- und Marshall-Inseln.

Mitt. deutsch. Schutzgeb. 17: 204-208, 1904.

Records of rainfall in 1903, with a few notes on other weather data.

Anon.

[No title].

Mitt. deutsch. Schutzgeb. 18: 371-375, 1905.

Records of rainfalls in 1904, with some notes on other observations.

Anon. [Born?]

Der "Ngardok" See und die Sage seiner Entstehung.

D. Kolonialbl. 18: 289, 1907 a.

Brief description of Lake Ngardok in Palau with mention of vegetation around it.

Anon. [Hahl?]

Weitere Verheerungen des Taifuns.

D. Kolonialbl. 18: 891-892, 1907 b.

Effects of the March 1907 typhoon on some of the Carolines: Olimarau, Elato, Lamutrik, Satuwal. Brief mention of effect on native food supply.

Anon.

Die botanische Erforschung der Karolinen.

D. Rundsch. 37: 46-47, [1914].

Brief note mentioning that Ledermann collected in the Carolines (Yap) and announcing his return in Berlin.

Introduction of the Chayote.

Guam Record. 13 (3): 18, 1936.

Brief note on the introduction of "Chayote edulis" into Guam.

[The Palau Tropical Biological Station].

[Kagaku Nanyō 1: 4-12, 1938] (translated by K. Musya, edited by A. Mason, 1949).

Mainly a descriptive and historical account of the station, with brief notes on its surroundings and Koror I., mentioning location of mangrove swamps. Translation filed in GS.

Micronesia Expedition of University of Hawaii, summer of 1946.

Pac. Sci. 1: 60-62, 1947 a.

Section on botany enumerates islands visited by St. John, Rogers and Cowan, and briefly summarizes status of botanical knowledge of the Marshall Islands.

Anon.

Recommendations of Pacific Science Conference, National Research Council.

Pac. Sci. 1: 52-59, 1947 b.

Various recommendations concerned with conservation and plant sciences. Applies to Pacific, including Micronesia.

Survey of Micronesia by U. S. Commercial Company, 1946.

Pac. Sci. 1: 62, 1947 c.

Brief note only.

Anon. (by direction of Smith, D. F.)

So this is Saipan.

1-37, Saipan, 1947 (processed).

Very elementary geographical and ethnological handbook; contains notes on vegetation, many photographs.

Anon.

Current Pacific scientific research. Pacific Science Board, U. S. National Research Council.

Pac. Sci. Ass. Inf. Bull. Supplement RS 52/5: 1-3, 1952 a.

Includes mention of vegetation survey of Arno Atoll carried on by Hatheway in 1952.

[Scientific reconnaissance ... in the Marshall Islands].

Pac. Sci. 6: 324-325, 1952 b.

Brief announcement of the Northern Marshalls Expedition of the U. S. Geological Survey, with a brief summary of the vegetation and soils.

Anon. -- See also Allied Forces; Blackwood;

Chief Administrator Field Ter. Pac. Is.;

Collins et al.; Cross-Cultural Survey; Germany,

Reichstag; Goeze; Great Britain; Japanese Government; Mettler; Prothero; U. S. D. A.;

U. S. Geological Survey; U. S. Hydrographic Office; U. S. Library of Congress; U. S. Navy;

U. S. Tariff Commission, etc.

Anson, G.

A voyage around the world in the years 1740-44. 1-417, London, 1748.

Ed. by R. Walters, chaplain of Anson's ship the "Centurion". Marianas pp. 304-344. Occasional descriptions of vegetation, superficial mentions of food plants. Illustrations. LC: G420.A5.

- Armand, J.
Lichenes de la Nouvelle-Calédonie et des Iles Loyalty.
Nova Caled. Bot. 1 (1): 7-15, 1914.
Mentions *Coenogonium leprieurii* Nyl. from the Marianas.
- Armknrecht, R. F.
Typhoon II.
Guam Rec. 18: 227-229, 246, 1941.
Description of typhoon with some information and photos showing effects on vegetation.
- Asahina, Y.
Ramalina-Arten aus Japan (II).
Jour. Jap. Bot. 15: 205-223, 1939.
Enumeration of a number of species, some of them new, including *R. pacifica*, sp. nov. from Saipan, p. 213. Descriptions in Latin, with notes both in German and Japanese.
- Asano, K.
[Coral reefs of the South Sea Islands].
[Contr. Inst. Geol. Pal. Tohoku Univ.] 39: 1-19 (27-45), 1942.
Translation in GS. Includes notes on Marianas, Palau, Truk and Jaluit. Non-botanical except for photographs showing vegetation.
- [Ashizawa, Y.]
[Agriculture in the South Sea Islands].
[Bulletin of the Society of Japanese Crop Science] (Nihon Sakumotsugaku Kai Ho) 1-35, 1940.
Text of a lecture, outlining characters of Micronesian agriculture, main crops, etc. and notes on plans for future development. Abstract Ashizawa.
- [Aso, Y.]
[A preliminary study of the properties and formation of phosphate deposits on Tokobei Island].
[South Sea Development Company, 1937] (seen only as translation, pp. 1-19, prepared by S. Ofuji, edited by L. Westcott, 1953, U. S. Geological Survey for Intelligence Div., Office of the Engineer, HQ AFPE.)
Includes description of the island, mentions of some plants, including food-plants, and notes on vegetation: palm belt, coppice of [*Pisonia*?], *Colocasia* swamp. Map (attached to translation) shows distribution of vegetation. Photos not reproduced.
- [Phosphate ore].
- 1-365 [?] Tokyo, 1940. (translation filed in GS.)
Geological and mining engineering monograph covering phosphate deposits all over the world, including Micronesian Islands, with geographical notes and some information on their vegetation.
- Bailey, A. M.
Wake Island observations.
Mus. Pict. 3: 47-64, 1951.
Popular account of a visit to Wake Island in 1949; mentioned here for the excellent photographs some of which show vegetation.
- Bailey, J. W. and Harvey, W. H.
Algae: in. U. S. Expl. Exped. XVII Botany Cryptogamia (Gray ed.) 153-192, Philadelphia, 1874.
Description of plants collected by the Expedition. Includes *Dictyosphaeria favulosa* from Wake I., p. 172. LC: Q115.W6.
- Baillon, H.
Mémoire sur les Uragoga.
Adansonia 12: 323-335, 1879.
Includes *Uragoga* (*Amaracarpus*) *hombroiana*, native of Guam, apparently original description.
- Baines, T.
Ixoras (with a colored figure of *I. Duffi*).
Garden 13: 312-313, 1878.
The original publication of this name for this widely cultivated species, native of Kusale, described from a greenhouse specimen (= *I. casei* Hance).
- Baker, J. G.
Handbook of the Amaryllideae.
1-216, London, 1888.
Includes *Crinum bakeri* from the Marshall Is., p. 77. Smi.
- Baker, R. H.
A study of the rodent populations on Guam, Mariana Islands.
Ecol. Monogr. 16: 393-408, 1946 a.
Contains a brief description of the vegetation, and a vegetation map of a small study area on northern Guam. Several good photographs.
- Some effects of the war on the wildlife of Micronesia.
Trans. 11th N. Am. Wildlife Conference, 205-213, 1946 b.

- Includes a brief general paragraph about plants.
p. 210.
- Baker, R. H.**
The swifauna of Micronesia, its origin, evolution and distribution.
Univ. Kansas Publ. Mus. Nat. Hist. 3 (1): 1-359, 1951.
A descriptive chapter on Micronesia includes brief notes on climate, soils and vegetation, and a gazetteer of islands; scattered mentions of plants used by birds for food or nesting.
- Bakhuizen van den Brink, R. C.**
Revisio Ebenacearum Malayensium.
Bull. Jard. Bot. Buitenzorg III, 15: 1-368, 1936-38 (pp. 1-48, 1936; 49-176, 1937; 177-368, 1938.)
Systematic, includes at least one Micronesian species, *Diospyros ellipticifolia* from Yap, p. 68.
- Balfour, I. B.**
Observations on the genus *Pandanus* (screw-pines).
Jour. Linn. Soc. Bot. 17: 33-68, 1880.
Synopsis of the species, with mention of *Pandanus dubius*, p. 46, and *P. fragrans*, p. 47, from the Marianas.
- Banner, A. H.**
The Coral Atoll Project for 1951: Onotoa, Gilbert Islands.
Proc. Hawaiian Acad. Sci. 27: 6, 1952.
Includes a brief paragraph on the flora.
- Banner, A. H. and Randall, J. E.**
Preliminary report on marine biology study of Onotoa Atoll, Gilbert Islands.
SIM Rept. 13: 1-62, 1952 a (mimeographed).
Part I (by Banner) includes mentions of algae and *Thalassia*. Part II (by Randall) cites a few plants used to make various fishing implements.
- Preliminary report on marine biology study of Onotoa Atoll, Gilbert Islands.
Atoll Res. Bull. 13: 1-62, 1952 b.
A reissue of Banner and Randall, 1952 a.
- Barnett, H. G.**
Palauan society.
1-223, Eugene, Ore., 1949 (mimeographed).
CIMA Report on Palau, with considerable reference to economic plants in first chapter. This is a very general discussion with little precision in reference to plants. LC: DU 780,B3.
- Barton, E. S.**
The genus *Halimeda*.
Siboga Exped. 60: 1-32, 1901.
Systematic, includes *H. opuntia* from the Carolines, p. 20 (Christian, Mertens).
- Bartram, E. B.**
Pacific outpost mosses.
Bryol. 48: 45-53, 1945.
Includes enumeration of mosses from the Carolines and Marianas, with two new species from Ponape.
- Bascom, W. R.**
Ponapean prestige economy.
SW. Jour. Anthropol. 4: 211-221, 1948.
Includes, in the course of a discussion of Ponapean customs, a few mentions of economic plants and their cultivation.
- Subsistence farming on Ponape.
N. Z. Geogr. 5: 115-129, 1949.
Notes on food plants and their cultivation.
Map and good photos of several plants.
- Ponapean subsistence farming.
Proc. 7th Pac. Sci. Cong. 7: 158, 1953.
Abstract, see Bascom, 1949.
- Baum, H. E.**
The breadfruit.
Plant World 6: 197-202, 225-231, 273-278, 1903.
Account of botany, history and uses of the tree. Mention of uses on Guam.
- Beales, L.**
Guam: Population, agriculture.
1-18, Washington, 1941.
Census report, lists, pp. 16-18, crop plants with statistics of acreage, number of trees, and production, by common name (includes pineapple as a tree crop), on basis of 1940 census.
- Beccari, O.**
Neue Palmen Mikronesiens: in, Volkens, 1914.
Bot. Jahrb. 52: 4, 1914.
Description of two new species, collected by Krämer, *Heterospatha palauensis* and *Cyphokentia* (?) *carolinensis*, from Truk.
- Le Palme della Nuova Caledonia.

Webbia 5: 71-146, 1921.

Systematic; includes, p. 113, *Bentnicklopsis ponapensis* sp. nov., *B. carolinensis*, comb. nov., *Bentnicklopsis* new genus (written *Bentnicklopsis* and *Bentnicklopsis* on the same page, named for similarity to *Bentnickia*).

Beccari, O.

Neue Palmen Mikronesiens: in, Diels, 1924.
Bot. Jahrb. 59: 12-16, 1924.

Description of several new species from Ledermann's collection in 1914.

Beller, S.

A summary of the insects and flora of Guam. 1-282, Honolulu, 1948 (mimeographed by the Bureau of Entomology and Plant Quarantine, U. S. D. A.).

A compiled list of the plants known to the author with their local names (from Guam, and from other Micronesian and Pacific Islands) and the insects reported to be associated with them. Plant records from standard sources, as well as from unpublished data of various other people. The author had not visited Guam.

Benedict, R. C.

The genus *Ceratopteris*; a preliminary revision. Bull. Torr. Bot. Club 36: 463-476, 1909.

Includes *C. gaudichaudii* from the Marianas Islands, p. 475.

Bennigsen, R. von

Bericht des Kaiserlichen Gouverneurs v. Bennigsen über seine Reise zum Zwecke der Uebernahme Inselgebietes der Karolinen, Palau und Marianen in deutschen Besitz.

D. Kolonialbl. 11: 100-112, 1900.

Diary of a trip from New Guinea (Sept.-Nov. 1899) to Micronesia. Mentions of plants and a few words on vegetation. Volkens took the same trip but on another ship. (see Volkens 1901 a-f).

Reise des Gouverneurs v. Bennigsen nach den Karolinen und Palau-Inseln.

D. Kolonialbl. 12: 447-450, 1901.

Diary of an inspection trip in Feb.-March 1901. Brief mentions of plants and coconut planting. Includes a few lines, p. 449, indicating the presence of tall trees on Merir and Pulo-Anna.

Bentham, G.

Labiatae: in, Chamisso and Schlechtendal, De

plantis....

Linnaea 6: 76-83, 1831.

On pp. 81-82, lists species from Manila and Guahan but does not say which came from where.

Bentham, G.

Scrophulariaceae.

DC. Prodr. 10: 186-586, 1846.

Includes *Limnophila gratiolooides* Br., p. 389 (Gaudichaud) and *L. serrata*, p. 387, both from the Marianas.

Labiatae.

DC. Prodr. 11: 1-608, 1848.

Includes *Hyptis pectinata* from the Marianas (Gaudichaud), p. 127.

Bentzen, C.

Land and livelihood on Mokil. Part II.

CIMA Rept. 25: 1-188, 1949 (duplicated).

Includes, pp. 30-52, a chapter on agriculture, with study of the main plants, names of varieties, data on cultivation, bearing season, etc. (Part I by J. E. Weckler). Smi: 506. 73 A2 P118.

Bérard, M. de.

Note sur les îles Mariannes, Carolines et Palaos.

Bull. Soc. Géogr. Comm. 21: 394-402, 1899.

Brief geographical note with mentions of economic plants. Unimportant.

Berg, F. D.

Bericht des Vizegouverneurs Berg über einen Besuch der Trukinaeln.

D. Kolonialbl. 14: 364-366, 1903.

Includes notes on coconut cultivation. Mentions that coconut palms are found up to 1000 ft. on Truk mountains.

Bescherelle, E.

Florule bryologique de Tahiti et des îles de Nukahiva et Mangaréva.

Ann. Sci. Nat. VII Bot. 20: 1-62, 1895.

Includes bibliography and list of collections, and enumeration of species; on p. 40, records *Neckera (Rhystophyllum) lepinea* from the Marianas; discusses, p. 42, original habitat of *N. urvilleana*, and concludes that it must be Ualan (Kusaie).

- Betche, E.
Vegetationskizze der Marshalls-Inseln.
Gart. Zeit. Wittmack 3: 133-134, 1884.
Brief description of vegetation. Many plants listed, the characteristic strand plants listed as such. 56 species were collected in all.
- Bitter, G.
Eine neue Solanum-Art von den Marianen.
Bot. Jahrb. 56: 559-560, 1921.
Solanum saipanense, sp. nov. (Höfer 14).
- Solana nova vel minus cognita XXI.
Repert. Sp. Nov. 18: 301-321, 1922.
Systematic. Discussion of several species with many new descriptions. Solanum saipanense Bitter is reduced to *S. guamense* Merr. on p. 308.
- [Blackwood ed.]
Ocean Island.
Blackwood's Mag. London 188: 569-585, Nov. 1910.
History of the discovery of the island. Notes on phosphate, water-supply, aspect of island, climate, etc. Only plants mentioned are coconut, *Calophyllum inophyllum* and *Pandanus*, and a tree giving excellent almonds [*Terminalia*].
- Blake, S. F. and Atwood, A. C.
Geographical guide to the floras of the world. Part I: 1-336, Washington, 1942 (U. S. D. A. Misc. Pub. no. 401).
Includes general and local works for Micronesia, pp. 116-117. See also Polynesia, p. 124. LC: Z5358.A12 B5.
- Blanco, M.
Flora de Filipinas segun el Sistema sexual de Linneo.
1-887, Manila, 1837.
P. 691, *Phyllanthus carolinianus*, no indication of habitat; p. 748, *Acalypha caroliniana*, no indication of habitat (see Mueller 1865). LC: QK368.B6, rare books.
- Flora de Filipinas.
4 tomes, 7 vol., Manila, 1877-1880.
3: 1-271, 1879.
Includes *Acalypha caroliniana*, no mention of habitat, pp. 148-149. This ed. is illustrated with many plates. LC: QK368.B64, rare books.
- Blumentritt, F.
Die Mariannen-Inseln nach Alvarez Guerra. Globus 44: 136-139, 1883.
Abstract from a Spanish book, Alvarez Guerra, 1883, with a few mentions of plants.
- Böckeler, O.
Die Cyperaceen des Königlichen Herbariums zu Berlin.
Linnaea 35: 397-612, 1868; 36: 251-512, 691-768, 1870; 37: 1-128, 1871, 129-142, 520-544, 1872, 545-647, 1873; 38: 223-409, 410-544, 1874; 39: 1-152, 1875; 40: 327-452, 1876; 41: 145-356, 1877.
Enumeration; most of the parts include some species from Guam and the Marianas; two records from "Radack": Marshall Is. (Chamisso).
- Bohart, G. E. and Gressitt, J. L.
Filth-inhabiting flies of Guam.
Bishop Mus. Bull. 204: 1-152, 1951.
Includes some mentions of plants attractive to flies.
- Bohne, W.
Die Insel Nauru als Typus eines korallenogenen Phosphatlagers.
Petermanns Mitt. 72: 52-59, 1926.
Discussion of phosphate origin, detailed description compiled from several sources. Very brief mentions of plants.
- Boissier, E.
Centuria Euphorbiarum.
1-40, Lipsiae [Leipzig] and Parisiis [Paris], 1860.
Enumeration of new species, including *Euphorbia gaudichaudii* from the Marianas, p. 7. These new species were published in this separate to insure the author's priority, later were included in De Candolle's *Prodromus*. NYBG.
- Bojer, W.
Hortus Mauritianus . . .
1-456, Maurice, 1837.
Annotated catalogue of the flora of Mauritius, with many records from others of the Mascarene Islands. Mentions *Capparis mariana* DC. from "Iles Marianes". Many new names used here, but only those which are transfers validly published, as no descriptions accompany others. Most of these are validly published in later papers. DA: 460.51 B63.

Bokusanzin [pseudon.]

[The increase in imports of South Seas timber and the future of various trees].

Sanrin [Forests] 609: 26-28, 1933.

Economic and statistical data on Micronesian timber.

Bollig, L.

Die Bewohner der Truk-Inseln

Anthropos Ethn. Bibl. 3: 1-302, Münster, 1927.

Ethnological account of Truk, includes, pp. 140-147, a brief chapter on cultivation of main plants (coconut, breadfruit), and, pp. 223-227, a brief description of the group with mentions of vegetation and useful plants, climate.

Born, E. B.

Leichenbestattung in Jap.

D. Kolonialbl. 14: 524-525, 1903 a.

Description of funeral customs, non-botanical except for mentions of bamboo and other plants used for mats and ornaments. Jap is Yap.

Zwei westkarolinische Sagen.

Mitt. deutsch. Schutzg. 16: 264-268, 1903 b.

Two legends from Fais, with notes, including a few words on food plants.

Einige Beobachtungen ethnographischer Natur über die Oleai-Inseln.

Mitt. deutsch. Schutzg. 17: 175-191, 1904.

Ethnographical notes, including a few words on food plants, p. 182.

Die Palau-Inseln.

D. Kolonialbl. 18: 286-289, 1907.

Includes notes on native medicine. Very few mentions of plants, such as coconut, taro, etc.

Born, Martens, and Fritz

Ein Taifun in den West-Karolinen (Die Verwüstung des Oleai-Inselgruppe).

D. Kolonialbl. 18: 565-577, 1907.

The article is composed of three narratives by the three authors: Born and Martens were travelling on the "Ponape". Their narratives describe their trip (visit to Sorol, Ifaluk and Woleai). The detailed account of the typhoon

(March 29, 1907) is followed by a description of its effects (loss of lives, destruction of vegetation and food plants). Fritz' account (he rescued Martens and Born with the "Germania") also describes the effects of the typhoon and the emergency methods employed to save the natives from starvation.

Borrer, D. J.

Birds of Agrihan.

Auk 64: 415-417, 1947.

Includes a brief description of the island, with notes on vegetation and mentioning a few plants.

Bory de St. Vincent, G. B. M.

Botanique I. Cryptogamie, 1-301, 1828: in, Duperrey, Voyage... de la Coquille 1825-1830.

Description of plants collected by Lesson and Dumont d'Urville. Includes many species mentioned from Guam and from Oualan (Kusaie). LC: Q115.D93.

Bowers, N. M.

The Mariana, Volcano, and Bonin Islands: in, Freeman, Geography of the Pacific, 205-235, 1951.

Contains a brief account of the vegetation and notes on economic plants of the Marianas; bibliography, map.

Bowker, H. F.

Aggag.

Guam Rec. 15 (1): 28-29, 47, 1938.

Discussion of a variety of Pandanus, with its uses.

Pandanaeae or screwpines of Guam.

Guam Rec. 16 (8): 324-325, 344-345, 1939.

Discusses several species found on Guam, with illustrations.

Brand, A.

Eine neue Symplocacee von den Palau-Inseln. Bot. Jahrb. 56: 558, 1921.

Symplocos chabdui from Korrer, described from several collections.

Braun, A.

Characeae Indiae Orientalis et insularum Maris Pacifici.

Hook. Jour. Bot. Kew Miscel. 1: 292-301, 1849.

Systematic, includes species from the Marianas, e. g. *Chara flaccida* var. *gaudi-chaudii*, p. 297 (Gaud. coll.) new species, new var.

Bremekamp, C. E. B.

The Malaysian species of the genus *Ixora* (Rub.).

Bull. Jard. Bot. Buitenzorg III, 14: 197-367, 1937.

Monograph of the Malaysian species only but on pp. 278 and 355 are comments concerning *I. duffii* from Caroline Is.

Bridge, C.

Cruises in Malanesia, Micronesia and Western Polynesia in 1882, 1883 and 1884, and visits to New Guinea and the Louisiades in 1884 and 1885.

Proc. R. Geogr. Soc. London n.s., 8: 545-567, 1886.

Includes a few notes on food plants from the Marshalls and Gilberts.

Bridge, J.

A restudy of the reported occurrence of schist on Truk, eastern Caroline Islands.

Pac. Sci. 2: 216-222, 1948.

Geological, but with brief remarks on vegetation of mountains on Moen I., Truk.

Bridge, J. and Goldich, S. S.

Preliminary report on the bauxite deposits of Babelthuap Island, Palau Group. 1-46, [Tokyo], 1948.

Geological and economic study, but on pp. 17-18 is a description of vegetation on bauxitic and non-bauxitic areas; photos show vegetation.

Briggs, G.

Guam Agricultural Experiment Station Bulletins.

nos. 1-5, Washington, 1921-1926.

Contain useful information on plants cultivated or used as forage on Guam. DA: 1 Ex 67.

Para and Paspalum grasses.

Guam Agr. Exp. Sta. Cir. 1: 1-10, 1921 a.

Popular agronomic discussion, identities of plants not definite.

Para and Paspalum: two introduced grasses of

Guam.

Guam Agr. Exp. Sta. Bull. 1: 1-44, 1921 b.

Detailed agronomic treatment of *Panicum barbinode* and *Paspalum dilatatum*, based on experimental work in Guam, dates of original introduction.

Briggs, G.

The sorghums in Guam.

Guam Agr. Exp. Sta. Bull. 3: 1-28, 1922.

Agronomic, records introduction of various sorghums into Guam.

Brigham, W. T.

An index to the islands of the Pacific Ocean.

Bishop Mus. Mem. 1: 1-170, 1900.

The introduction includes historical and general data on geography, flora, fauna, peoples, etc. of islands. Annotated alphabetical list of islands, inlets and groups includes Micronesia and is illustrated with maps. LC: DU10. B85.

List of accessions.

Occ. Pap. Bishop Mus. 1: 138-164, 1901.

Includes, p. 142, mention of botanical specimens from Guam collected by Seale; pp. 143-146, many items of ethno-botanical interest such as canoe bailer of breadfruit wood from the Carolines, and various items of *Pandanus* and *Hibiscus* from Guam.

Briquet, J.

Fragmenta monographiae Labiatarum, V.

Ann. Conserv. Jard. Bot. Genève 2: 102-251, 1898.

Systematic, includes *Hyptis mutabilis* β *polystachya*, p. 207, and *H. capitata* γ *marianarum*, p. 225, from the Marianas. These variously designated as races, forms, etc.

[Britten, J.]

Bibliographical notes XXVII. The dates of Humbolt and Bonpland's "Voyage."

Jour. Bot. 39: 202-206, 1901.

On p. 206 are dates of the parts of the botanical reports of the voyages of the Bonite, Coquille and Uranie.

Brongniart, A.

Note sur le genre *Bikkia* de la famille des Rubiacées.

Bull. Soc. Bot. France 13: 40-43, 1866.

Describes five species, including *B. marianensis*, sp. nov., from Guam (Gaudichaud, Le Guillou), p. 42.

Brongniart, A. [T.]

Botanique II Phanérogamie 1-232, 1829: in, Duperrey, Voyage ... de la Coquille ..., 1825-1830.

Enumeration and description of plants collected by Lesson and Dumont d'Urville, including plants from Ovalau [Kusaie]. LC: Q115. D93.

Brose, M.

Die deutsche Kolonialliteratur von 1884-1895. Die deutsche Kolonialliteratur im Jahren 1896, 1897, 1899.

These series of reprints are bound together in Library of Congress.

The first published by D. Kolonialgesellschaft, 1-158, Berlin, 1897, the next two publ. by the same society in Kolonial Jahrb. 10: 280-306, 1897; 11: 1-28, 1898. The last one publ. as a separate (Sonderheft) of Beiträge Kol. Politik u. Kol. Wirtsch. (Kol. Monatsblätter) 1-38, 1900. All include bibliography of the Marshalls, including botanical entries. LC: Z7164. C7 D4.

Litteratur Verzeichniss über die Karolinen-, Palau- und Marianen-Inseln.

D. Kol. Zeit. 16: 234-235, 241-242, 259-260, 1899.

Useful list of works about Micronesia, mainly geographical.

Brotherus, V. F.

Laubmoose: in, Volkens' Vegetation der Karolinen

Bot. Jahrb. 31: 450-453, 1901.

Annotated list of species collected by Volkens, some of them described as new. From Yap.

Brouwer, F. I.

The genus *Stackhousia* in the Malay Archipelago. Blumea 3: 173-178, 1938.

Discussion of several species. *S. intermedia* is recorded from Yap and Palau on p. 178.

Brown, F. B. H.

New Polynesian plants.

Occ. Pap. Bishop Mus. 9 (4): 1-23, 1930.

On p. 4, reports *Pandanus pulposus*, of which he gives an amplified description, from the "Marshall and Radack islands," and on p. 6, quotes Hedley as saying that one of the edible

Pandanus of Funafuti was introduced from the Gilberts.

Brown, F. B. H.

Flora of southeastern Polynesia III. Dicotyledons.

Bishop Mus. Bull. 130: 1-386, 1935.

Monographic. Occasional records of plants from Micronesia.

Bryan, E. H. Jr.

Insects of Hawaii, Johnston Island, and Wake Island.

Bishop Mus. Bull. 31: 1-94, 1926.

Contains on p. 8 a note on the vegetation and a short list of plants from Wake I.

"Guam field trip": in his, Report of the curator of collections.

Bishop Mus. Bull. 149: 25, 1937 a.

Brief summary of results of six weeks' trip, noting that plants were collected.

Plant associations of Guam.

Bishop Mus. Spec. Publ. 31: 14-15, 1937 b.

A brief geographical abstract, with emphasis on the vegetation.

The plants of Guam.

Guam Record. 13 (8): 22-23, 1936 to 18 (3): 116-117, 1941.

A series of notes on Guam plants, with a brief paragraph on vegetation in the introduction, published in a large number of short installments, but interrupted by the war. (From ferns to Sapindaceae).

American Polynesia and the Hawaiian Chain. 1-253, Honolulu, 1942.

Popular and informative account of natural history of various islands in the central Pacific. Includes, pp. 212-213, notes on the botany and vegetation of Wake I. LC: DU510.B73.

Revegetation of certain Marshall Islands.

1-6, 1-3, 1-6, 1-22, 1-2, 1-3, [Honolulu?], 1944 (mimeographed edition dated 1952.)

A memorandum to Central Pacific Base Command, making suggestions concerning revegetation, especially of war damaged areas

on Kwajalein and Eniwetok; accompanied by sections on plant associations, and a check-list of plants seen by the author in the Marshalls in 1944; recommendations of plants to be introduced.

Bryan, E. H., Jr.

Bibliography of Micronesian entomology. 1-43, Honolulu, 1948 (mimeographed by Pacific Science Board, National Research Council). LC: Z5859.M5 B7.

Economic insects of Micronesia.

1-29, Washington, 1949 (processed by National Research Council).

Describes activities of the Insect Control Committee for Micronesia, with some results of work on economic insects (parasites on plants and man), with charts and a bibliography.

Geography of the Gilbert Islands: in, Fosberg and Sachet, Handbook for Atoll Research 2-7, 1951.

Brief mention, only, of economic plants.

Report of the Director for 1952.

Bishop Mus. Bull. 210: 1-40, 1953.

Reports accessions of various plant materials from Micronesian atolls.

Bryan, W. A.

A monograph of Marcus Island.

Occ. Pap. Bishop Mus. 2: 77-139, 1903.

A geographic description of this island, based on a visit in 1902; with map, short description of vegetation and list of such plants as the author was able to identify; list of seeds left for planting with the Japanese colonists. The bulk of the article is a treatment of the zoological material collected.

Buck, P. H.

The material culture of Kapingamarangi. CIMA Rept. 4: 1-498, 1948 (unpublished).

Comprehensive account of material culture of a relatively undisturbed Polynesian people (in Micronesia).

Material culture of Kapingamarangi.

Bishop Mus. Bull. 200: 1-291, 1950.

Includes discussion of plants used for foods and

in material culture; photos.

Buck, P. H.

Explorers of the Pacific.

Bishop Mus. Spec. Pub. 43: 1-125, 1953.

Enumeration of main voyages of discovery in the Pacific, with information on ships, personnel, itineraries, etc. Includes information on voyages to Micronesia. Basis upon which voyages were included or not not altogether clear. Bibliography.

Burcham, L. T.

Observations on the grass flora of certain Pacific islands.

Contr. U. S. Nat. Herb. 30: 405-447, 1948.

Notes on vegetation and list of grasses collected on Peleliu, Palau, pp. 429-435.

Bureau, L.-E.

De la famille des Loganiacées et des plantes qu'elle fournit à la médecine.

1-150, Paris, 1856.

Comprehensive taxonomic, morphologic and pharmacognosic discussion, treating the family as then known down to genus, with mention of one species of Geniostoma from Guam. Discussion of relationships of family a very important one. Doctoral dissertation, Faculté de Médecine de Paris, bound in vol. 1 of a series of miscellaneous bound reprints in LC: QK3. B77.

Burkill, I. H.

The rise and decline of the greater yam in the service of man.

Adv. Sci. 7: 443-448, 1951.

On p. 446 is a note on the sweet potato in Guam in 1564.

Burns, A., et al.

Report of the United Nations Visiting Mission to Trust Territories in the Pacific on the Trust Territory of the Pacific Islands.

U. N. Trusteeship Council, Gen. Doc. T/789: 1-63, 1950.

Mostly social and political, but very brief mention of agriculture and natural resources in section on economic advancement, pp. 19-20. Unimportant.

Burret, M.

Beiträge zur Kenntnis der Palmen von Malesia, Papua und der Südsee.

Repert. Sp. Nov. 24: 253-296, 1928.

Discussion of palm flora of various regions, including Micronesia, p. 258, with several original descriptions of species from different island groups.

Burret, M.

Palmae Gerontogae IV.

Notizbl. 12: 590-602, 1935.

Discussion of several species. *Exorrhiza carolinensis* (Becc.) Burret, from Truk, p. 593, and *E. ponapensis* (Becc.) Burret p. 594, are transferred to *Bentinckdopsis* (see Beccari, 1921).

Palmen und Tiliaceen von der Südsee aus der Sammlung des Bernice P. Bishop Museums, Honolulu, Hawaii.

Notizbl. 15 (1): 85-96, 1940.

Includes several species of palms from the Carolines, some of them new, e. g. *Ponapea kusaiensis*, from Kusaie, p. 92. Three species of Tiliaceae mentioned from the Carolines.

Burrows, E. G.

The people of Ifalik, a little-disturbed atoll culture.

CIMA Rept. 16: 1-222, 1949 (unpublished).

Detailed ethnological account with description of vegetation, lists of plants with native names, uses of plant materials; photographs; maps.

Burrows, E. G. and Spiro, M. E.

An atoll culture. Ethnography of Ifaluk in the central Carolines.

1-355, New Haven, 1953 (offset by Human Relations Area Files).

Includes a chapter on the flora with enumeration of plants collected in 1947-48; much information on food and other economic plants, and their uses.

Buse,

Eine Reise nach den südlich von Palau gelegenen Inseln.

D. Kolonialbl. 21: 937-938, 1910.

Inspection trip of a government doctor. Briefly describes conditions on Somserol and Tobi, with a paragraph on food-plants. Merir and Pulo-Anna: "in the middle of thick bushes tall, dead coconut trees, a few young coconut trees, papayas, bananas, and no inhabitants". Does not say why the coconuts died.

Buwalda, P.

The Umbelliferae of the Netherlands Indies.

Blumea 2: 119-220, 1936.

A monograph. Includes record of *Hydrocotyle vulgaris* from the Marshall Islands, p. 133.

[Byron, J.]

An account of a voyage around the world, in the years 1764, 1765, 1766 ... in his Majesty's ship the Dolphin.

1-139, in vol. 1 of Hawkesworth, J.: An account of the voyages ... of Commodore Byron, Captain Wallis, Captain Carteret, Captain Cook. 3 vols., London, 1773.

Marianas, pp. 115-122 (Tinian, Saypan and Aiguigan). On Tinian, mentions very thick woods, difficult to cross (p. 116). Plants: limes, oranges, coconuts, breadfruit, guavas and "paupaus". LC: G420.C65 H3, 1773.

Cabeza Pereiro, A.

Estudio sobre Carolinas. La isla de Ponape; geografía, etnografía, historia.

1-241, 1895 (not seen); ed. 2: 21-259, Manila, 1896.

Climate, p. 39, list of plants, p. 59. The geographical descriptions include a few mentions of vegetation. Several maps, which are useful, as they give many obsolete names of islands and places. LC: DU568:P7 C2.

Candolle, A. de

Apocynaceae.

DC. Prodr. 8: 317-489, 1844.

Includes *Alyxia torresiana*, p. 346, and *Ochrosia marianensis* sp. nov., p. 357, both from the Marianas (Gaudichaud).

Loganiaceae.

DC. Prodr. 9: 1-37, 1845.

Includes *Geniostoma micranthum* from Guam (Gaudichaud).

Candolle, A. P. de

Prodromus systematis naturalis regni vegetabilis sive enumeratio contracta ordinum generum specierumque plantarum hucusque cognitarum, juxta methodi naturalis normas digesta.

Vols. 1-17: 1824-1873.

A series of monographs by different authors, listed separately.

Capparideae.

DC. Prodr. 1: 237-254, 1824.

Includes *Capparis mariana*, p. 245, from the Marianas.

Candolle, A. P. de
Melastomaceae.

DC. Prodr. 3: 99-202, 1828.

Includes, p. 167, *Medinilla rosea* Gaud. from the Marianas.

Sistens Calyceras et Compositarum tribus priores.
DC. Prodr. 5: 1-706, 1836.

Includes *Adenostemma fastigiatum* from the Marianas (Haenke), p. 111, *Glossogyne tenuifolia* from Guam, p. 632† (Gaudichaud), *Wollastonia scabriuscula*, p. 547 (Haenke), and *W. canescens*, p. 547, from Guam (Gaudichaud).

Goodenovieae.

DC. Prodr. 7 (2): 502-520, 1839.

Includes, p. 505, *Scaevola koenigii* from Romanzoff Islands [Wotje?] (Chamisso), and, p. 506, *S. velutina* from Guam (Gaudichaud).

Oleaceae.

DC. Prodr. 8: 273-316, 1844.

Monographic, *Jasminum marianum* described on p. 307.

Borragineae.

DC. Prodr. 9: 466-539, 1845.

Includes *Tournefortia argentea*, p. 514, from the Marianas and Radak, and *Heliotropium coromandelianum* var. *oblongifolium* from the Marianas, and var. *depressum* from Guam, pp. 541-542.

Candolle, C. de
Meliaceae.

DC. Monogr. Phan. 1: 399-752, 1878.

Includes, pp. 719-720, *Carapa moluccensis*, mentioned from the Marianas.

Piperaceae novae e Micronesia et Polynesia alatae: in, Diels, 1921.

Bot. Jahrb. 56: 502-506, 1921.

Several new species described, most of them from Micronesia. Records from several collections.

Candolle, C. de

Piperacearum clavis analytica.

Candollea 1: 65-415, 1923.

Key, with list of species, including several Micronesian ones.

Capell, A.

Grammar and vocabulary of the language of Sonsorol-Tobi.

CIMA Rept. 30: 1-152, 1951 (mimeographed).

Vocabulary contains words for plants, but botanical equivalents not too reliable.

Catala, R. L. A.

Report on the Gilbert Islands.

1-195, 1-[8], [Noumea], 1952 (mimeographed).

Comprehensive report on agriculture and economic botany, with, pp. 91-92, a short section on plant associations; bibliography. Based on author's visit in 1951.

Cañanilles, A. J.

Icones et descriptiones plantarum quae aut sponte in Hispania crescunt aut in hortis hospitantur. 1: 1-67 + 4, 1791; 2: 1-79 + 4, 1793; 3: 1-52 + 6, 1794; 4: 1-82, 1797; 5: 1-74, 1799; 6: 1-97, Madrid, 1801.

A few Marianas species described from Née's collections. NYBG.

Del género Ugena.

Anal. Cienc. Nat. 4: 249-256, 1801.

Includes several species from the Marianas. Synonym of *Lygodium*.

Descripción de las plantas que D. Antonio Josef Cavanilles demostró en las lecciones públicas del año 1801, precedida de los principios elementales de la botánica. 1-284, 1801; 285-625, Madrid, 1802.

Describes a number of ferns from Née's collections from the Marianas, many of them wrongly ascribed to these islands. Ed. 2 dated 1827 on the title page is merely a reprinting of the original text (but from other type, see typographic details, e. g. on pp. 111, 363, 387, etc.). The date 1801 is questionable, resting on a note in the NYBG copy of ed. 2, by L. Underwood, which says that Swartz refers to the ferns on pp. 1-284 as dated 1801. Underwood seems to regard the date given for *Ugena* (1801) as decisive, but actually *Ugena* was published in Cavanilles' *Icones*, vol. 6, which is dated

1801. NYBG.

Chamisso, [L. C.] A. von

Remarks and opinions ... of the naturalist of the expedition; in, Kotzebue, A voyage of discovery, 3: 1-442, 1821.

This volume includes some chapters on the Marianas, Carolines, Radack, and one on coral islands. Chamisso's papers include mentions of plants, and description of vegetation (see especially pp. 145-156, vegetation and flora of the Marshalls). LC: G420.K81.

 Bemerkungen und Ansichten ... von dem Naturforscher der Expedition; in, Kotzebue, Entdeckungsreise, 3: 1825.

Most of the third volume of Kotzebue, 1825 is by Chamisso and contains the same information as the 1821 edition. See annotation for Chamisso, 1821. LC: G420. K77.

 Notices respecting the botany of certain countries visited by the Russian voyage of discovery under the command of Captain Kotzebue.

Bot. Miscel. Hook. 1: 305-323, 1830.

Translated from German. Discusses Marianas and Carolines on pp. 307-314, with enumeration of plants, mostly useful ones.

 Reise um die Welt mit der Romanzoffischen Entdeckungs-Expedition in den Jahren 1815-18, auf der Brigg Rurik, Kapitain Otto v. Kotzebue. 1: 1-366, 2: 1-351, Leipzig, 1842, in 2nd ed. of Chamisso's Werke; 1st ed., 1836, not seen.

Chamisso complained of errors and misstatements in the account of the trip, and published his notes independently. The first part is entitled "Tagebuch", and mentions the two visits to Radack, with some brief descriptions of vegetation and plants. Brief mention of visit to Carolines and Marianas. The second part "Bemerkungen und Ansichten" is composed of the same chapters as the part in Kotzebue's work, 3: 1825, but appears to have been rewritten or at least modified. LC: PT1834. A1, 1842.

 Kadus' Fahrten und die Kultur der Radacker. Geogr. Kulturkunde 292-304, 1904.

A footnote indicates that this is an excerpt from Chamisso's "Reise" Includes notes on food plants. CY: Nk32. 904 f.

Chamisso, [L. C.] A. von and Schlechtendal, D. von

De plantis in expeditione speculatoria Romanzoffiana observatis

Linnaea 1: 1-73, 165-226, 333-405, 511-570, 1826; 2: 1-37, 145-233, 345-379, 541-611, 1827; 3: 1-63, 115-141, 199-233, 309-377, 1828; 4: 1-42, 129-202, 435-508, 1829; 5: 43-59, 1830; 6: 76-170, 209-200, 501-592, 1831; 7: 195-128, 207-272, 542-500, 653-726, 1832; 8: 100-228, 1833; 9: 368-402, 428-460, 1834; 10: 22-50, 217-218, 582-603, 1835-1836.

Systematic enumeration of collections made on Kotzebue's expedition, including some from Guam and the Marshalls. One of the important early sources for Micronesian botany.

Chevalier, A., ed.

Numéro spécial consacré au souvenir de l'Amiral J. Dumont d'Urville

Rev. Int. Bot. Appl. Agr. Trop. 31 (339-340): 1-136, 1951.

This number includes historical information on Dumont d'Urville and his botanical contributions, including mentions of his collections from Kmaie.

Cheyne, A.

Description of islands in the western Pacific Ocean, north and south of the equator.

1-198, London, 1852.

Several Micronesian islands included: Ocean, Pleasant (Nauru), several Carolines. Descriptions include geographical data, notes on inhabitants, advice to visitors and navigators. Sounds much like a guide book. Mentions of vegetation are brief and rather superficial. Economic plants listed. Vocabularies for Bornahi (Ponape), Yap, and Pallou (Palau). NYPL: BH.

Chief Administrator Field Ter. Pac. Is.

Carnivorous snail release on Agiguan Island. 1-6, [Truk], 1950 (mimeographed).

Account of Owen's visit to Agiguan, with description of the island, remarks on vegetation, ecology, etc.

Choisy, J. D.

Convolvulaceae.

DC. Prodr. 9: 323-462, 1845.

Includes *Ipomoea mariannensis* from the Marianas (Gaud.), p. 383.

Choisy, J. D.

Nyctaginaceae.

DC. Prodr. 13 (2): 425-458, 1849.

Records *Boerhavia tetrandra* from Radak, p. 456.

Choris, L.

Voyage pittoresque autour du monde, avec des portraits de sauvages... des îles du grand océan....

Unpaged, Paris, 1822.

Choris was artist for the Rurik expedition. Plates for "Îles Radak" include two of *Pandanus odoratissimus*. Text is picturesque, including a few words on vegetation. Plates on Marianas include *P. odoratissimus* [most certainly *P. dubius*, rather]. LC: G490.K84 C5, folios.

Christensen, C.

Index Filicum...

1-744, Copenhagen, 1905-06; suppl. [1] 1-131+1, 1913; suppl. [2] 1-60, 1917; suppl. [3] 1-219, 1934.

Pp. 1-384, published in 1905, the rest in 1906, according to an annotation in U. S. N. H. copy. Lists all ferns known to author, including numerous Micronesian ones. LC: QK523.C58.

Ueber einige Farne in O. Swartz' Herbarium. Ark. f. Bot. 9: 1-46, 1910.

Discussion and description of various species. Several collected by Née in the Marianas, and described by Cavanilles 1803, pp. 38 et seq.

Taxonomic fern-studies. I. Revision of the polypodioid genera with longitudinal coenosori ("*Cochlidiales*" and "*Drymoglossinae*") with a discussion of their phylogeny.

Dansk Bot. Ark. 6: 1-93, 1929.

Revision of 13 genera, with keys and discussion of their relationships. On p. 29 reports *Scleroglossum sulcatum* from Ponape (Ledermann 133938) and mentions *Hymenolepis mucronata* f. *typica* from the Marianas and Palau, pp. 63-64.

Taxonomic fern-studies. III. Revision of the genera and species of ferns described by A. J. Cavanilles. V. Description of 36 new species of ferns.

Dansk Bot. Ark. 9: 3-32, 53-73, 1937.

III. clarifies the status of several species ascribed to the Marianas Is. V. includes *Adiantum*

palaoense sp. nov., p. 53.

Christian, F. W.

Notes from the Caroline Islands.

Jour. Polyn. Soc. 6: 187-200, 1897 a.

Includes list of plants from Ponape, with native names and English equivalents (no botanical names). Also, names of varieties of breadfruit, pp. 191-194.

On the distribution and origin of some plant- and tree-names in Polynesia and Micronesia. Jour. Polyn. Soc. 6: 123-140, 1897 b.

All names of useful plants.

Nuku-oro vocabulary.

Jour. Polyn. Soc. 7: 224-232, 1898.

Includes names of plants.

Exploration in the Caroline Islands.

Geogr. Jour. 13: 105-136, 1899 a.

Excellent brief account of Christian's exploration as well as a historical account of the earlier exploration of the Carolines. Largely anthropological. Casual notes on the vegetation of Ponape and Kusale. Some casual mention of economic plants, discussion of some of the atolls.

The Caroline Islands. Travel in the sea of the little lands.

1-412, N. Y., 1899 b.

Important work, valuable for descriptions of islands, with numerous mentions of plants. Native names of plants from Palau and Yap listed, pp. 328 et seq. Descriptions of vegetation encountered during trips on the islands. LC: DU563.C5.

The Caroline Islands.

Scott. Geogr. Mag. 15: 169-178, 1899 c.

A note, listing most of the islands, with only brief mentions of vegetation.

Christophersen, E.

Vascular plants of Johnston and Wake Islands.

Occ. Pap. Bishop Mus. 9 (13): 1-20, 1931.

Notes on vegetation, with photographs, and enumeration of species found, with detailed description of habitat.

Christophersen, E.

Flowering plants of Samoa II.

Bishop Mus. Bull. 154: 1-77, 1938.

On pp. 25-26, refers to *Syzygium ponapense* Diels, common to Fiji and Ponape, and to *Gynochthodes ovalifolia* with similar distribution.

Clarke, C. B.

Cyrtandreae.

DC. Monogr. Phan. 5: 1-303, 1883.

Monographic, including Micronesian species, e. g. *Cyrtandra urvillei* sp. nov. from Kusaie (d'Urville), pp. 251-252.

Clarke, J. F. G.

Report on insect collecting trip to Kusaie, Caroline Islands.

1-7, Invertebrate consultants Committee for the Pacific - Pacific Science Board, 1953 (mimeographed).

Includes notes on plants from Ponape, on which insects were collected; mentions that about 50 plants were collected from Kusaie.

Clausen, R. T.

A monograph of Ophioglossaceae.

Mem. Torrey Bot. Club 19: 1-177, 1938.

Systematic. Includes *Ophioglossum pendulum* from Guam and the Carolines, pp. 116-118.

A botanical study of the yam beans (*Pachyrhizus*).

Cornell Univ. Agric. Exp. Sta. Mem. 264: 1-38, 1945.

Pachyrhizus erosus said to be naturalized in Guam, p. 13.

Cloud, P. E. Jr.

Reconnaissance impressions of the geology of Guam, including remarks on water supply and fuel storage.

1-31, Saipan, 1948 (unpublished).

Memorandum for record presenting an excellent general outline of the island, with a geological map; includes a few remarks of a general nature on the vegetation. Selected bibliography.

Reconnaissance geology of Guam and problems of water supply and fuel storage.

1-50, Tokyo, 1951 (processed).

Contains, in the introduction, a brief characterization of the vegetation of Guam; geological map; bibliography.

Cloud, P. E. Jr.

Preliminary report on the geology and marine environments of Onotoa Atoll, Gilbert Islands. SIM Rept. 12: 1-73, 1952 a (mimeographed).

Includes incidental mentions of various plants, especially algae, and information on algal zones of reefs, and aspects of land vegetation found on various soils studied. Chapter on climate. Map, bibliography.

Preliminary report on geology and marine environments of Onotoa Atoll, Gilbert Islands.

Atoll Res. Bull. 12: 1-73, 1952 b.

A reissue of Cloud, 1952 a.

Cogniaux, A.

Cucurbitacées.

DC. Monogr. Phan. 3: 324-951, 1881.

Includes *Momordica charantia* from the Marianas (Chamisso 215), p. 436.

Melastomaceae.

DC. Monogr. Phan. 7: 1-1256, 1891.

Includes *Medinilla rosea*, p. 573, and *Melastoma marianum*, p. 357; both from Guam.

Cogniaux, A. and Harms, H.

Cucurbitaceae-Cucurbitaceae-Cucurbitaceae.

Pflr. 88 (IV. 275 II): 1-246, 1924.

Monographic, includes *Momordica charantia* from the Marianas, p. 24; *Cucumis melo* from the Carolines, p. 122; *Lagenaria vulgaris* from Guam, p. 202.

[Collins, A. E. P. et al.]

Pacific Islands.

3: 1-741, 1944; 4: 1-526, [London?], 1945

(B. R. 519 b and c. Geographical Handbook Series).

Vol. 3 includes Gilberts, Ocean, Nauru; vol. 4 other Micronesian groups. Geography, with notes on vegetation. GS: 504 G82 g.

C [olomb], P. A.

see Leveque and Hale, 1881.

Coolidge, H. J. ed.

Conservation in Micronesia.

1-70, Washington, 1948.

Collection of short papers by various authors with various items of botanical interest.

[Coolidge, H. J.]

Third annual report, Pacific Science Board, 1949.

1-154, National Research Council, Washington, D. C., [1950].

Includes much information on recent scientific investigations and expeditions in Micronesia, and lists a number of reports, most of them not yet published, in various fields, a few of them of botanical interest.

[-----]

Fourth annual report. Pacific Science Board, 1950.

1-114, National Research Council, Washington, D. C., [1951].

Includes information on botanical work in Micronesia, and on conservation programs, including conservation of floras and vegetation.

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Fifth annual report. Pacific Science Board, 1951.

1-96, National Research Council, Washington, D. C., [1952].

Includes information on scientific investigations in the Marshalls and Gilberts, with some of botanical interest.

[-----]

Sixth annual report. Pacific Science Board, 1952.

1-87, National Research Council, Washington, D. C., [1953].

Includes information on progress of botanical investigations in Micronesia, especially in the Marshall Islands.

Coote, R. K.

A report on the land-use conditions and land problems on Guam.

1-30, Washington, D. C., 1950 (mimeographed by Pacific Div., Office of Territories, Dept. of Interior).

Includes some information on important economic species and agriculture. DA: 156.56 L232.

Copeland, E. B.

Leptochilus and genera confused with it.

Philip. Jour. Sci. 37: 333-416, 1928.

Monographic. On pp. 361-362 *Campium nigrum* sp. nov. is described from Ponape and illustrated in plate 10.

Copeland, E. B.

Ferns of Fiji.

Bishop Mus. Bull. 59: 1-105, 1929.

Mentions *Dryopteris haenkeana*, p. 45, and *Tectaria haenkei*, p. 50, from the Marianas.

Trichomanes.

Philip. Jour. Sci. 51: 119-280, 1933.

Monographic, casual mention of species found in Micronesia.

Hymenophyllum.

Philip. Jour. Sci. 64: 1-188, 1937.

Monographic, casual mention of Micronesian species.

Genera Hymenophyllacearum.

Philip. Jour. Sci. 67: 1-110, 1938.

Systematic; includes *Crepidomanes brevipes*, p. 60, from Guam.

New or interesting ferns from Micronesia, Fiji and Samoa.

Occ. Pap. Bishop Mus. 15: 79-92, 1939.

Systematic notes, include a number of new species from Micronesia.

Grammitis.

Philip. Jour. Sci. 80 (2): 1-276, 1952.

Systematic monograph. Section on Pacific species, pp. 140-164, includes two from Ponape.

Corte y Ruano Calderon, F. de la

Memoria descriptiva é histórica de las Islas Marianas

1-200, Madrid, 1875.

Geographical description, with individual treatment of the islands, including sections on their climate, vegetation, economic plants, etc. That of Guam quite comprehensive.

Native and Spanish names used exclusively. In the vegetation sections, are mentions of introduced plants that are important in dating them.

In those on economic plants are native names and other items of interest. Original data. LC: DU645.C6.

Costenoble, H. H. L. W.

Die Marianen.

Globus 88: 4-9, 72-81, 92-94, 1905.

Includes, pp. 4-9, notes on geology, climate, water supply, and economic plants.

Coulter, J.

Adventures on the western coast of South America ... including a narrative of incidents at the Kingsmill Islands

2 vols., London, 1847.

Narrative of a whaling voyage, extremely informal and mostly unimportant, but with incidental information on the vegetation, etc., of the Gilbert Is. in vol. 1. LC: G530.C85.

Cox, D. C.

The hydrology of Arno Atoll.

SIM Rept. 9: 1-29, 1951 a (mimeographed).

On pp. 24-26 discusses relation of salinity of ground water to agricultural practices and the distribution of economic plants.

The hydrology of Arno Atoll, Marshall Islands.

Atoll Research Bull. 8: 1-29, 1951 b.

A reissue of Cox, 1951 a.

Cox, L. M.

The island of Guam.

Am. Geogr. Soc. Bull. 36: 385-395, 1904.

Brief note including mentions of topography, climate, vegetation, useful plants, etc.

Cox, L. M., et al.

The island of Guam.

1-82, Washington, 1926 (revised by Mrs. A. H. White).

Pamphlet including notes on history, geography, climate, native life, etc. The chapter on plants is taken from Safford's Useful plants of Guam. LC: DU647.C6, 1926.

Crampton, H. E.

A Journey to the Mariana Islands - Guam and Saipan.

Nat. Hist. 21: 126-145, 1921.

Travel account, including a few mentions of plants and some photos showing vegetation.

Studies on the variation, distribution and evolution of the genus *Partula*. The species of the Mariana Islands, Guam and Saipan.

Carnegie Inst. Wash. Pub. no. 228 A: 1-116, 1925.

Includes, pp. 1-17, description of physical environment, climate and vegetation, with several good photos showing vegetation of Guam; pp. 99-100, note on Saipan with a few photos.

Cranwell, L. M., Green, J. E. and Powell, A. W. B.

Food is where you find it. A guide to emergency foods of the Western Pacific.

1-72, suppl. 1-4, Auckland, N. Z., 1943-44.

Small booklet, well illustrated, mostly about plants. Most of these are pantropic and exist in Micronesia, and there are a few mentions of Micronesian native names. Botanical names in index.

Crozat, L.

Notes on Polynesian *Glochidion* and *Phyllanthus*.

Occ. Pap. Bishop Mus. 17: 207-214, 1943.

Discusses Micronesian specimens in pointing out the complete confusion that surrounds the type of *Glochidion*, *G. ramiflorum*. Does not solve or finally clarify it.

Cross-cultural Survey

Bibliography of Micronesia.

1-46, New Haven, 1943 a (mimeographed).

Extensive bibliography, including much material of botanical interest, with annotations, excerpts and translations filed in Human Relations File, Institute of Human Relations, Yale University.

Food and water supply in the Marshall Islands.

Strategic Bulletins of Oceania no. 5.

1-24, Washington, 1943 b (mimeographed).

Includes description of vegetable foods, and their cultivation, and notes on water supply, with a bibliography.

Meteorology of the Marshall Islands.

Strategic Bulletins of Oceania, no. 2.

1-22, Washington, 1943 c (mimeographed).

Compiled from German meteorological data, most of them recorded on Jaluit.

Gazetteer of the Marshall Islands.

Strategic Bulletins of Oceania no. 1.

1-61, Washington, 1943 d (mimeographed).

Index to geographical names with indication of position, in the Marshall Is.

Cross-cultural Survey

Meteorology of the Caroline Islands.

Strategic Bulletins of Oceania no. 7.

1-28, Washington, 1943 e (mimeographed).

Information on various subjects such as temperature, atmospheric pressure, rainfall, etc., compiled mostly from German sources.

Crozet,

Crozet's Voyage to Tasmania, New Zealand, the Ladrone Islands, and the Philippines, in the years 1771-1772.

1-148, London, 1891 (translated by H. L. Roth).

Includes description of Guam, pp. 80-99; on p. 85, notes on forests in the center of the island and savannas resulting from clearing. Notes on coconut, breadfruit, fruit-trees, bananas; dwarf-banana, and wild banana called abaca. LC: DU26.C95.

Cummins, G. B.

Descriptions of tropical rusts.

Bull. Torrey Bot. Club 67: 67-75, 1940.

Includes *Uredo wakensis*, on *Tournefortia* sp., from Wake I.

[Cusenbery, J. D., ed.]

The Ulithi encyclopedia.

1-41, Ulithi, Western Carolines, 1945 (offset).

A popular booklet about Ulithi Atoll. List of weeds and food plants (no botanical names given) on pp. 32-34. LC: DU568.U5 A5.

Daiber, A.

Eine Australien und Südsee-fahrt.

1-320, Leipzig, 1902.

Account of a trip to Australia and China. Carolines and Marianas, pp. 282-307. Description of Ponape, with mentions of vegetation and plants. Account of visit to Saipan. LC: DU22. D13.

Dakin, W. J.

The story of Nauru.

Walkabout 1 (March): 33-36, 1935.

Formation and history of the island, description of life. One paragraph describes the island with superficial mention of vegetation.

Damm, H., et al.

Inseln um Truk (Polowat, Hok, Satowal): in, G. Thilenius, Erg. Süds. Exp. II B 6, 2: 1-

288, 1935.

Hardly any mentions of vegetation, only a few words on economic plants in the chapter on foods, but beautiful pictures showing vegetation.

Zentralkarolinen 2 (Ifaluk, Aurepik, Faraulip, Sorol, Mogmog): in, G. Thilenius, Erg. Süds. Exp. II B 10, 2: 1-379, 1938.

The geographical parts briefly mention vegetation and plants for each group.

Damon, S. C.

Morning Star papers. Glimpses and glances... Micronesia.

Supplement to the Friend 1-78, Honolulu, 1861.

Fifth missionary cruise (three months) of the Morning Star. A few mentions of plants and agriculture among notes about the Missions.

Dampier, G. [William]

Nouveau voyage autour du monde... traduit de l'anglais.

1-616, Amsterdam, 1698 a.

Apparently the earliest edition available in LC, appears translated from the first or second English editions. Guam pp. 330-344. LC: G420.D185.

Dampier, W.

A new voyage round the world... the third edition corrected.

1: 1-550, London, 1698 b.

Includes, pp. 288-304, account of visit to Guam. Notes economic plants: rice, pineapple, watermelon, muskmelon, orange and lime; information on coconut palm and its products, on breadfruit and its preparation. First published, 1697. LC: G420.D16.

A collection of voyages.

4 vols., London, 1729.

Vols. 1, 2 and part of 3 are by Dampier, his works being here really issued together for the first time (see preface of 1927 reprint). LC: G420.D17.

Dampier, W. [Penzer, M. N. ed.]

A new voyage round the world.

1-376, London, 1927.

The preface, by Penzer, gives a useful review of the different editions of Dampier's

works, and reproduces the title page of the first edition, London, 1697. The introduction, by A. Gray, is a biography and history. This edition is based on vol. 1 of 1729 ed., the title page of which is also reproduced. LC: G420.D3, 1927; reprinted 1937; LC: G420.D3, 1937.

Dana, J. D.

Coral and coral islands.

1-398, New York, 1872.

This classical work includes some compiled information on vegetation and plants in the Marshall and Gilbert atolls, e.g. on pp. 276-284. These and other Micronesian coral islands are mentioned at various times in the general chapters of the book. LC: QE565.D15.

Daniel, H.

Islands of the Pacific.

1-228, N. Y., 1943.

Readable and apparently fairly accurate geographic summary of the Pacific islands, especially the smaller ones, giving "the essential facts concerning location and physical appearance, climate and topography, fauna and flora, peoples, languages, government, and resources", maps but with no coordinates. Excellent for general information but too brief to include any detail. Micronesia, pp. 163-182. LC: DU22.D3.

Danser, B. H.

The Loranthaceae of the Netherlands Indies.

Bull. Jard. Bot. Buitenzorg III, 11: 233-519, 1931.

Monographic. Includes *Amyema bamleri*, cited from the Carolines (Ponape), p. 324. Ledermann's collection.

The Loranthaceae Loranthoideae of the tropical archipelagoes east of the Philippines, New Guinea, and Australia.

Bull. Jard. Bot. Buitenzorg III, 14: 73-98, 1936.

Amyema artensis reported from the Carolines, *A. ponapensis* and *A. caudatifolius* reduced to it.

Decaisne, J.

Asclepiadeae.

DC. Prodr. 8: 490-665, 1844.

Includes *Dischidia puberula* sp. nov. from the Marianas (Gaud.), pp. 631-632.

Deeken, R.

Die Karolinen.

1-140, Berlin, 1912.

A monograph. The author visited the islands. There are mentions of vegetation, and of the most common plants, but no botanical identifications. A few good photographs of vegetation. LC: DU563.D4.

Delisle, L.

Les îles Mariannes.

Bull. Soc. Géogr. Comm. 10: 68-70, 1888.

A brief note on the products of the islands, mostly about coconuts. Unimportant.

[Department of Education, Bureau of Special School Affairs] Mombu-syō Senmon Gakumu-Kyoku.

[Report on the investigation of the newly occupied South Sea Islands] Nanyō sin Senryō-chi Shisatsu Hōkoku.

Tokyo, 1916. [Supplement] Tsutka, March 1917.

These volumes contain a number of papers of botanical interest, see Kawagoe, 1916, Koidzumi, 1917, Kusano, 1917. Some of these seem to have been reprinted or completed in a similar report published in 1927 by the South Sea Government, which see.

[Department of Overseas Affairs] Takum-shō.

[Administration aspect of overseas affairs]

Takumu Yōran 1935, 1937.

1-741, Tokyo, 1937.

Discusses administrative problems in Micronesia, includes information on agricultural and forestry plants. Abstract Ashizawa.

Desvaux, A. N.

Prodrome de la famille des Fougères.

Mém. Soc. Linn. Paris 6: 171-337, 1827.

Monographic. Mentions *Lygodium semihastatum* (synonym for *Ugena semihastata*, Cavan. Icon.), p. 203, and *Lycopodium marianum*, p. 183. No localities indicated.

Diels, L.

Anonaceae: in, Volkens, 1914.

Bot. Jahrb. 52: 16-18, 1914.

Discussion of *Papualthia mariannae* Safford, reported from Saipan and Guam.

Die Myrtaceen Mikronesiens.

Bot. Jahrb. 56: 529-534, 1921 a.

- Discussion of plants collected in Micronesia, with several new species described.
- Diels, L.**
Die Theaceen Mikronesiens.
Bot. Jahrb. 56: 526, 1921 b.
Discussion of two plants reported from the Carolines, *Eurya japonica* and *E. japonica* var. *nitida*.
- Eine neue Menispermacee der Palau-Inseln.
Bot. Jahrb. 56: 507, 1921 c.
Pachygone ledermannii, sp. nov.
- Eine *Scaevola* von Mikronesien.
Bot. Jahrb. 56: 561, 1921 d.
S. frutescens recorded from the Carolines and Marshalls, from several collections.
- Beiträge zur Flora von Mikronesien und Polynesien. II.
Bot. Jahrb. 56: 429-577, 1921; III. Bot. Jahrb. 59: 1-29, 1924; IV. Bot. Jahrb. 63: 271-323, 1930; V. Bot. Jahrb. 69: 395-400, 1938.
See Volkens, 1914 for Part I. Different groups by various authors; citing many different collections.
- Die Moraceen von Mikronesien.
Bot. Jahrb. 69: 397-400, 1938.
Systematic notes including a key to *Ficus* species, with records from different collections.
- Diels, L. and Mansfeld, R.**
Die Orchideen-Gattung *Chiloschista* Lindl.
Notizbl. II: 491-498, 1932.
Systematic revision of the genus by Mansfeld. On p. 498 *Chiloschista loheri* is reported from Palau.
- Dingler, H.**
Ueber eine von den Carolinen stammende *Coelococcus*-Frucht.
Bot. Centralbl. 32: 347-351, 1887.
C. carolinensis Dingl. Describes one fruit brought back by Schneider on the "Albatross."
- Dixon, H. N.**
Gilbert Islands mosses.
Jour. Bot. 65: 254-257, 1927.
Several species are mentioned, one of them new, from a collection by the Rev. Eastman, missionary, in 1926.
- Dixon, H. N.**
Splachnobryum pacificum Dixon sp. nov.
Rev. Bryol. II, 1: 12, 1928.
Described from the Gilbert Islands (*Tabiteuea*), collected by Eastman.
- War zone mosses.
Bryol. 46: 14-22, 1943.
List of mosses collected on Guam and in the Carolines.
- Doane, E. T.**
Remarks upon the atoll of Ebon, in Micronesia.
Am. Jour. Sci. II, 31: 318-325, 1861.
Remarks on the atolls of the Marshalls. Description of Ebon, with note on vegetation and plants: "more than fifty distinct species . . . will be found."
- The Caroline Islands.
Geogr. Mag. 1: 203-205, 1874.
Brief account of a visit to various atolls of the Carolines in the "Morning Star" (*Pakin*, *N'gatik*, *Mortlocks*, etc.). Very few plants mentioned, interesting as an early description of atolls and with synonyms of their names.
- Domény de Rienzi, G. L.**
Océanie, ou cinquième partie du monde. Revue géographique et ethnographique de la Micronésie.
1: 1-400, 1836; 2: 1-397, 1836; 3: 1-635, Paris, 1837.
Brief accounts of natural history, especially economic botany, with various species mentioned in sections on Marianas, vol. 1, Carolines, Gilberts, Marshalls, vol. 2. Mostly compiled but author did visit Yap, at least. Plants mentioned mostly by common names or generic names; much historical information. LC: DU20. U58.
- Downs, T.**
Birds on Tinian in the Marianas.
Trans. Kansas Acad. Sci. 49: 87-106, 1946.
The information on bird habitats includes incidental mention of vegetation but no plants are named. Three photos showing vegetation, and a sketch map.
- Drake del Castillo, E.**
Illustrationes florae insularum Maris Pacifici.
1-458, and volume of plates, Paris, 1886-

1892.

Includes incidental mentions of Micronesian records. For dates of seven fascicles, see Stearn, W. T., in *Jour. Soc. Bibl. Nat. Hist.* 1: 202, 1939. AA, NYBG, Smi.

Drake del Castillo, E.

Remarques sur la flore de la Polynésie et sur ses rapports avec celle des terres voisines.
1-52, Paris, 1890.

Mainly phytogeographic, briefly mentioning the flora of Micronesia; unimportant. Bish.

Drews, R. A.

Gilbert Island horticulture.
Am. Anthrop. n.s. 46: 571-572, 1944.

"The only food plant cultivated by the Gilbert Islanders is the bobai, a local variety of Taro."
The note describes bobai cultivation.

Drummond-Hay, H.

A trip to Wake Island.
China Jour. 30: 333-339, 1939.

Account of trip. Notes on plants seen on Wake, no scientific names given. Mention of artificial cultivation of vegetables.

Dumont d'Urville, J. [S. C.]

De la distribution des fougères sur la surface du globe terrestre.

Ann. Sci. Nat. 6: 51-73, 1825.

On p. 63, mentions his botanical collections on Kusale: 105 plants, 24 of them ferns.

Botanique. T. 1 Cryptogamie par Bory de St. Vincent, 1828; T. 2 Phanérogamie par Brongniart 1829 [see under these names]: in, Duperrey, L. I., *Voyage autour du monde de ... la Coquille ...*, 1825-1830.

Dumont d'Urville, who was second-in-command, was going to write the botanical part, but left on another voyage, so Bory de St. Vincent and Brongniart took over, but his name remains on the title page. LC: Q115. D93.

----- ed.

Voyage de découvertes de la corvette l'Astrolabe, exécuté par ordre du Roi, pendant les années 1826-1827-1828-1829....

13 vols. text, 7 vols. atlas, Paris, 1830-1835.

See Dumont d'Urville, 1833 d, for "Histoire du voyage", Lesson, A. and Richard, A., 1832-1834, for "Botanique". LC: Q115. D92.

Dumont d'Urville, J. [S. C.]

Notices sur les îles du Grand Océan.

Bull. Soc. Géogr. Paris 17: 1-21, 1832.

First clear demarcation of the main divisions of the Pacific, Polynésie, Micronésie, Malaisie and Mélanésie, with a map, p. 356, with the divisions outlined, and many old names for islands indicated.

Croisière du schooner le *Dolphin* dans les îles de l'Océan Pacifique, par le lieutenant H. Paulding.

Bull. Soc. Géogr. Paris 19: 144-157, 1833 a.

Review and discussion of Paulding's account, which see.

[-----]

Découvertes du capitaine américain Morrell.

Bull. Soc. Géogr. Paris 19: 249-270, 1833 b.

Summarizes Morrell's account of his four voyages. Geographical, no botany.

Observations sur les découvertes du capitaine américain J. Morrell.

Bull. Soc. Géogr. Paris 19: 270-277, 1833 c.

Identifies the islands named by Morrell with those already known.

Histoire du voyage 5: 1-716, Paris, 1833 d: in, Dumont d'Urville ed., *Voyage de découvertes de l'Astrolabe ...*, 1830-1835.

This volume includes a description of a visit to Guam in May 1828, pp. 251 et seq., after passage from Vanikoro through the Carolines (Truk, île d'Urville). On pp. 385 et seq., (passage from Guam to Amboina) mentions that Yap and Palau were sighted, but could not be explored because of sickness aboard (June 1828). This account is mostly interesting from an historical and geographical point of view, there are hardly any mentions of plants or vegetation. LC: Q115. D92.

Voyage pittoresque autour du monde.

2: 1-584, Paris, 1835.

Popular account summing up, as one hypothetical voyage, several former voyages, such as those of Dampier, Bougainville, and Dumont d'Urville. Includes mentions of Gilbert Is., p. 443, Marshalls, Carolines and Marianas, pp. 449-535. Many brief notes on vegetation and

plants. LC: G560.D8, 1834.

Dumont d'Urville, J. S. C. ed.

Voyage au Pôle Sud et dans l'Océanie sur les corvettes l'Astrolabe et la Zélée, exécuté par ordre du Roi, pendant les années 1837-1840.

Paris, [1841-] 1842-1854.

See Relation du voyage by Dumont d'Urville, 1842-1846; Botanique by Montagne (Hombron et Jacquinet ed.), 1845. LC: Q115.D9.

Dumont d'Urville, J. S. C.

Relation du voyage, 5: 1-429, 1843; in, Voyage au Pôle Sud....1842-1854.

The ships visited Truk in Dec. 1838, p. 122, Guam, pp. 169 et seq., Gouap [Yap], Pelew [Palau], in Jan. 1839, pp. 204 et seq. The narrative is important for information on topography, position, synonyms of names of islands, contains very little on plants or vegetation. LC: Q115.D9.

Voyage autour du monde.

2 vols., Paris, 1853, new ed.

This is a popular work, describing voyages around the world and mentioning most of the well known former expeditions. Includes descriptions of Gilbert and Marshall Islands, vol. 2, p. 464, Marianas and Carolines, vol. 2, p. 474. A few mentions of plants and vegetation. LC: G560.D8, 1853.

Duperrey, L. I.

Voyage autour du monde, exécuté par ordre du Roi, sur la corvette de sa Majesté La Coquille pendant les années 1822, 1823, 1824 et 1825.... Paris, 1825-1830.

The "Rapport" or "Histoire du voyage", by Duperrey, 1825, was never completed, and what was issued of it does not refer to Micronesia. See: Lesson, P. and Garnot, 1826-1828, for Zoology, Dumont d'Urville ed., Bory de St. Vincent and Brongniart, 1828-1829, for Botany. Lesson also wrote his own account of the voyage, see Lesson, P., 1838. LC: Q115.D93.

[Egawa, K.]

[Correlation of various forms of coconuts in the Ponape Island].

Guntō no Sangyō [Jan. 1934]: [3-10, 1934 a].

Includes information on variety improvement and various correlated measurements of fruits, such as relation between length of fruit and amount of dried flesh, etc. Abstract Ashizawa.

[Egawa, K.]

["King", a variety of coconut].

Guntō no Sangyō [June 1934]: [10-17, 1934 b].

Description of variety and its uses. Abstract Ashizawa.

Egerod, L. E.

An analysis of the siphonous Chlorophycophyta. Univ. Calif. Pub. Bot. 25 (5): 325-454, 1952.

Includes some algae recorded from the Marshall Islands.

Eggert, W.

Bemerkungen zu einer von dem Sekretair Eggert im Auftrage des stellvertretenden Kaiserl. Kommissars für die Marshallinseln aufgenommenen Kartenskizze der Insel Nauru (Pleasant Island).

Mitt. deutsch. Schutzgeb. 3: 135-136, 1890.

Geographical description of Nauru. The only plants mentioned are coconut trees on the coast, and "other trees planted by the natives".

Ehrenberg, C. G.

Fungos a viro clarissimo Adalberto de Chamisso... collectos.

Horae Physicae Berolinenses 77-104, Bonn, 1820.

Includes on p. 92, a list of fungi collected in Radak. NYBG.

Eilers, A.

Inseln um Ponape (Kapingamarangi, Nukuor, Kгатik, Mokil, Pingelap); in, G. Thilenius, Erg. Süds. Exp. II B 8: 1-464, 1934.

Includes description of atolls with mentions of vegetation and lists of plants. Food plants listed in chapter on foods, for each group. Pictures and maps of interest.

Westkarolinen: in, G. Thilenius, Erg. Süds. Exp. II B 9, 1: (Songosor, Pur, Merir): 1-405, 1935; 2: (Tobi, Ngulu): 1-351, 1936.

Descriptions of islands include brief mentions of vegetation, lists of plants. Interesting pictures of vegetation.

Elbert, S. H.

Kapingamarangi and Nukuoro word list, with notes on linguistic position, pronunciation and grammar.

1-82, [Pearl Harbor?], 1946 (mimeographed).

Includes list of names of plants, with Latin

equivalents.

Elbert, S. H.

Ulithi-English and English-Ulithi word lists, with notes on linguistic position, pronunciation and grammar.

1-90, [Pearl Harbor?], 1947 a (mimeographed).

Includes a few names of common plants.

Trukese-English and English-Trukese dictionary. 1-337, [Pearl Harbor], 1947 b.

Includes names of plants, with English or Latin equivalents, and information on their uses, varieties, etc. LC: PL6318.Z5 E5.

Grammar and comparative study of the language of Kapingamarangi, texts and word lists.

CIMA Rept. 3: 1-289, 1948 (mimeographed by N. R. C.).

Contains a combined Nukuoro-Kapingamarangi vocabulary with many plant names. LC: R. 6252. K3 E5.

Ellis, A. F.

Ocean Island and Nauru: their story.

1-318, Sydney, 1935.

Popular account, principally of the phosphate industry, but with historical and geographical notes and incidental mentions of plants and vegetation; bibliography. LC: DU615.E4.

Mid-Pacific outposts.

1-303, Auckland, 1946.

The story of Nauru and Ocean Islands during World War II. Includes notes on other islands: Gilberts, Ellice, Phoenix, etc. There are some mentions of plants and vegetation, interesting photographs. LC: DU767.9.E4.

Elschner, C.

Corallogene Phosphat-Inseln Austral-Oceaniens.

1-118, Lübeck, 1913.

Description of Pacific phosphate islands, with emphasis on Nauru. Many illustrations, some of them showing vegetation on Nauru and Ocean Islands. LC: QE565.E6.

Emory, K. P.

Tuamotuan plant names.

Jour. Polyn. Soc. 56: 266-277, 1947.

Annotated list, with names from other island groups, including the Marshalls, for comparison.

Emory, K. P.

The Kapingamarangi people.

CIMA Rept. 8: 1-276, 1948 (unpublished).

Contains section on geography, with treatment of vegetation and list of plants with native names; photographs and bibliography.

Enders, R. K.

A field study of the rats in the Marianas and Palau.

SIM Rept. 3: 1-24, [1950] (mimeographed).

Mostly on animal ecology, but with mentions of plants eaten by rats and discussion of conservation.

Endlicher, S.

Bemerkungen über die Flora der Südseeinseln. Ann. Wien. Mus. Naturgesch. 1: 129-190, 1835.

List of archipelagoes, with notes on floras, and names of collectors for each, Micronesia, p. 141. The list of plants entitled "Synopsis Florae Insularum Oceani Australis" includes many Micronesian plants, pp. 143-186.

[Endo, T.]

[Avocado pear].

Guntō no Sangyō [Aug. 1934]: [9-20, 1934 a].

Includes information on avocado varieties and their cultivation. Abstract Ashizawa.

[On ginger].

Guntō no Sangyō [Oct. 1934]: [25-32, 1934 b].

Includes information on uses and cultivation of plant. Abstract Ashizawa.

[Papaya and papain].

Guntō no Sangyō [June 1934]: [18-24, 1934 c].

Includes information on varieties and their cultivation. Abstract Ashizawa.

[Fertilizers for sweet potatoes].

Guntō no Sangyō [Feb. 1934]: [16-22, 1934 d].

Discusses experiments with sweet potatoes, on the amount of lime and nitrogenous fertilizer necessary for better yields. Abstract Ashizawa.

Engler, A.

Die auf der Expedition S. M. S. "Gazelle" von Dr. Naumann in malayischen Gebiet gesammelten Siphonogamen (Phanerogamen).

Bot. Jahrb. 7: 444-480, 1886.

Includes, p. 464, *Euphorbia chamissonis* from Radak Archipelago (Marshalls).

Engler, A.

Notizen über die Flora der Marshallinseln.

Notizbl. 1: 222-226, 1897.

Notes on flora and vegetation. Annotated list of plants collected by Schwabe.

Araceae-Lasioideae.

Pflr. 48 (IV. 23 c): 1-130, 1911.

Monographic, includes *Cyrtosperma edule*, pp. 16-19, from Micronesia.

Engler, A. and Krause, K.

Araceae-Monsterioideae.

Pflr. 37 (IV. 23 b): 1-138, 1908.

Monographic, includes *Epipremnum pinnatum*, pp. 60, 62, from Micronesia.

Araceae-Colocasioideae.

Pflr. 71 (IV. 23 e): 1-139, 1920.

Monographic, includes two species of *Alocasia*, from Micronesia, and mentions of *Colocasia antiquorum* from Micronesia.

Eine Aracee von Mikronesien: in, Diels, 1921.

Bot. Jahrb. 56: 433, 1921.

Raphidophora palauensis, sp. nov., from Palau.

Engler, A. and Prantl, K.

Die natürlichen Pflanzenfamilien nebst ihren Gattungen und wichtigeren Arten insbesondere den Nutzpflanzen, unter Mitwirkung zahlreicher hervorragender Fachgelehrten.

Leipzig, 1887-1915.

Comprehensive synopsis of the plant kingdom, treating families and principal genera; fundamental to all systematic work; different families treated by various specialists, not separately listed here. LC: QK97. E6.

Die natürlichen Pflanzenfamilien....

Leipzig, 1924-1942.

Second and enlarged edition of Engler and Prantl, 1887-1915; not yet completed. LC: QK97. E613.

Enock, C. R.

The tropics, their resources, people and future.

1-465, London, 1915.

Chapter on Pacific islands gives brief notes on vegetation of Micronesian islands, but is unimportant and unreliable. LC: G515. E5.

Epling, C.

Note on the distribution of *Hyptis* in the Old World.

Kew Bull. 1936: 278-280, 1936.

Includes *H. mariannarum* from Guam.

Erdland, A.

Die Marshall-Insulaner.

1-376, Münster, 1914.

Detailed study of anthropology-ethnology. Chapter on geography includes mentions of vegetation, plants, climate, pp. 8 et seq., food plants, pp. 37 et seq. LC: GNI. A72.

Erdland, B. A.

South Sea sketches.

1-106, Boston, 1922.

Popular account of life in the Marshalls and New Britain "where the writer spent ten laborious years", one brief chapter on Nauru, with several photos. Includes superficial mentions of vegetation and food plants. LC: DU 710. E7.

Esaki, T.

Die Gerroidea Mikronesiens (Hemiptera-Heteroptera).

Tenthredo 1 (3): 351-362, 1937.

Purely entomological, but includes a photo of mangroves in Babelthaop, and one showing vegetation around Lake Ngardok.

A preliminary report on the entomological survey of the Micronesian islands under Japanese mandate, with special reference to the insects of economic importance.

Proc. 6th Pac. Sci. Cong. 4: 407-415, 1940.

Includes "Pests of field crops".

Escudé y Bartoli, M.

Las Carolinas, ... Primera parte.

1-111, Barcelona, 1885.

Pathetic exposition of Spain's claims, with occasional and superficial, not very accurate discussions of vegetation, geology, etc. Sev-

eral views showing vegetation; unimportant.
LC: DU563.E7.

Fanning, R. J.

Pacific Islands nutrition bibliography.
1-70, Honolulu, 1951.

Lists and annotates certain articles dealing with uses of plants on Micronesian islands. LC: Z5814.F7 F3.

Feeney, T. J.

Letters from Likiep.
1-259, N. Y., 1952.

Collection of letters from a missionary in the Marshall Islands. Mainly comment on religious matters, but with occasional mentions of plants, by Marshallese names, in text, and list of Marshallese names and uses of plants in appendix. LC: BV3689.L52 F4.

Fenzl, E.

Monographie der Mollugineen und Steudeliaceen zweier Unterabtheilungen der Familie der Portulacaceen (nebst einem Zusatze zur Abhandlung über Acanthophyllum).

Ann. Wien. Mus. Naturgesch. 1: 337-386, 1836.

Includes two varieties of *Glinus mollugq* erroneously credited to the Marianas (fide Plukenet).

Fersman, A. [ed.]

The Pacific. Russian scientific investigations. 1-190, Leningrad, 1926.

Series of articles by various authors; Micronesia mentioned in several, but not in the one on botany (Komarov). The summary of voyages, by L. Berg, contains valuable geographic information, especially modern equivalents of names given to islands by Russian explorers.

Finckh, A. E.

Biology of the reef-forming organisms at Funafuti Atoll: in, Royal Society of London, The atoll of Funafuti, 125-150, 1904.

Includes some information on reef-forming algae in the Gilberts, especially Onotoa, pp. 135, 147.

Finsch, O.

Zur Ornithologie der Südsee-Inseln. I. Die Vögel der Palau-Gruppe.

Jour. Mus. Godeffroy 8: 1-51 (133-183), 1875.

Non-botanical except for mentions of foods, nests, etc.

Finsch, O.

Ornithological letters from the Pacific III. Ibis IV, 4: 329-333, 1880.

"Taluit" [Jaluit] and Arno; On Arno, mentions abundance of breadfruit and an islet with large "ganzal" trees; incidental mentions of other plants.

Ornithological letters from the Pacific. Nos. V, VI, and VII Nawodo (Pleasant Island). Ibis IV, 5: 102-115, 245-249, 1881.

Letters 5 and 6 include brief mentions of vegetation of Kusale and Ponape; 7 includes brief description of Nauru, mentioning vegetation.

Ueber seine in den Jahren 1879 bis 1882 unternommenen Reisen in der Südsee.

Verhandl. Ges. Erdk. Berlin 9: 553-564, 1882.

Brief general account of a trip to the Pacific. Jaluit, the Marshalls and Carolines are mentioned on pp. 556-560. Brief descriptions, hardly anything on plants and vegetation.

Ueber Naturprodukte der westlichen Südsee besonders der deutschen Schutzgebiete.

D. Kolon. Zeit. 4: 519-530, 543-551, 593-596, 1887.

Description and discussion of a number of economic products from the German Pacific colonies, most of them plant products, several of them mentioned from Micronesia: Gilberts, Marshalls, Carolines, and Ocean I. Especially detailed discussion of the uses and by-products of coconut. The author visited the islands.

Ethnologische Erfahrungen und Belegstücke aus der Südsee, Dritte Abtheilung: Mikronesien (West-Oceanien).

Ann. Naturhist. Mus. Wien 8: 1-106, 119-275, 295-437, 1893.

Describes ethnological collections in the Museum. Each group of islands treated separately, with a superficial paragraph on flora and a few words on economic plants for each.

Finsch, O.

Systematische Uebersicht der Ergebnisse seiner Reisen und schriftstellerischen Thätigkeit. 1-153, Berlin, 1899.

List and description of author's scientific voyages, and annotated list of his papers describing their results; many concern Micronesia. LC: Z8297. 7 F51.

 Carolinen und Marianen.

Sammlung Gemeinverständlicher wissenschaftlicher Vorträge n. s. 14: 651-710, Hamburg, 1900 (reprinted as a separate 1-60).

A general account, including historical and geographical information, data on fauna, native life, etc. Casual mentions of economic plants especially on pp. 40 et seq. No mention of other plants or vegetation. LC: DU563. F5.

Fleisher, M.

Die Musci der Flora von Buitenzorg: in, Flora der Buitenzorg.

5 (1-2): 1-643, 1904.

Includes at least one Micronesian reference: p. 200, *Leucophanella revoluta* is said to extend to the Marianas. DA: 460. 21 B86.

Fosberg, F. R.

Notes on plants of the Pacific islands. I, II.

Bull. Torrey Bot. Club 65: 607-614, 1938; 67: 417-425, 1940.

Systematic notes on several species, a few from Micronesia.

 Notes on Polynesian grasses.

Occ. Pap. Bishop Mus. 15: 37-48, 1939.

Points out that the Willson's Island of the Wilkes Expedition was not Ifaluk of the Carolines, but Manihi of the Tuamotus and that *Digitaria stenotaphrodes* was recorded erroneously by Stapf from the Carolines and Gilberts. Latter record is actually *D. pacifica*.

 Melanesian vascular plants.

Lloydia 3: 109-124, 1940 a.

On p. 123 (footnote), *Oldenlandia albido-punctata* Merr. of Guam is transferred to *Hedyotis*.

 Notes on Micronesian Rubiaceae.

Occ. Pap. Bishop Mus. 15: 213-226, 1940 b.

Systematic. Critical notes with new records

and transfers based largely on Takamatsu's collection.

Fosberg, F. R.

Names in *Amaranthus*, *Artocarpus* and *Inocarpus*. Jour. Wash. Acad. Sci. 31: 93-96, 1941.

No direct mention of Micronesia, but two of these genera are important there.

 Botanical report on Micronesia.

U. S. Commercial Company Economic Survey of Micronesia 13-1 (I and II): 1-349, figs. 1-447, 1946 [1947] (unpublished, actual date of completion Feb. 1947).

Preliminary account of findings, including recommendations, descriptive account of vegetation, general and by islands, annotated lists of economic plants, list of native names and botanical equivalents, bibliography of Micronesian botany. Typescript. Copies in U. S. Navy files, and several libraries, several photostats and microfilms.

 Micronesian mangroves.

Jour. N. Y. Bot. Gard. 48: 128-138, 1947.

Popular descriptive account of mangrove vegetation of Micronesia generally, and in particular that of Garamiscan River, Palau.

 Immigrant plants in the Hawaiian Islands II.

Univ. Hawaii Occ. Pap. no. 46: 1-17, 1948.

Includes, pp. 12-13, a discussion of the identity of the horticultural *Ixora*, commonly known as *I. macrothyrsa*, with *I. carolinensis*.

 Atoll vegetation and salinity.

Pac. Sci. 3: 89-92, 1949.

Discusses distribution and character of vegetation of atoll islets in relation to salinity of ground-water. Largely based on study of Micronesian atolls.

 Notes on Micronesian Pteridophyta.

Am. Fern Jour. 50: 132-147, 1950 a.

Critical and distributional notes, mainly based on author's 1946 collections.

 Translations of Japanese botanical papers.

Pac. Sci. 4: 375, 1950 b.

Announcement of availability, in Library of Congress, U. S. D. A. and Bishop Museum, of copies of translations of 18 papers dealing with

Micronesian botany.

Fosberg, F. R.

Report on the implementation of the botanical resolutions passed at the various Pacific Science congresses.

Pac. Sci. Ass. Inf. Bull. PS/53/7: 8-12, 1953 a.

Includes information on botanical exploration and collecting in Micronesia.

Vegetation of central Pacific atolls, a brief summary.

Atoll Res. Bull. 23: 1-26, 1953 b.

Includes information on Micronesian atolls, especially the Marshall Islands.

Fosberg, F. R., and Sachet, M. -H., ed.

Handbook for atoll research (preliminary trial edition).

1-[106], (Washington), 1951 (mimeographed by Pacific Science Board).

Collection of short papers, by various authors giving background information, directions for making observations, and instructions for making collections pertaining to various aspects of research on coral atolls.

Handbook for atoll research (second preliminary edition).

Atoll Res. Bull. 17: 1-129, 1953.

A revised edition of above entry.

Francey, P.

Monographie du genre *Cestrum*. L.

Candollea 6: 46-398, 1935.

Includes, p. 287, *C. diurnum*, cultivated in Yap and Guam.

Frauenfeld, G.

Reise von Shanghai bis Sydney auf der k. k. Fregatte Novara.

Verhandl. zool.-bot. Ges. Wien 9: 375-382, 1859.

Includes a word on vegetation and plants of Ponape. Reprint in LC: Q115-N8983.

Freeman, O. W. ed.

Geography of the Pacific.

1-573, N. Y., 1951.

Comprehensive geographic treatment of the Pacific island groups, the various chapters written by different authors, listed separately here so far as they treat Micronesia. LC: DU29. F75.

Freeman, O. W.

Hawaii and American island outposts: in, Freeman, O. W., *Geography of the Pacific* 328-363, 1951.

Contains brief notes on Wake and Marcus islands, including a reference to the original vegetation of Marcus.

Freycinet, L. de

Voyage autour du monde entrepris par ordre du Roi... exécuté sur les Corvettes de S. M. l'Uranie et la Physicienne pendant les années 1817, 1818, 1819, 1820.

Paris 1824-1844.

See next entry, and, for botany, Gaudichaud, 1826. LC: Q115.F89.

Partie historique: in, *Voyage autour du monde... l'Uranie et la Physicienne*....

2 tomes, 5 vols., 1827-1839.

Tome 2, part 1: 1-515, 1829 includes Carolines and Marianas, pp. 75-515. For the Carolines, interesting account of history useful for synonyms of names of islands and mentions of ships which called there; brief paragraph on plants (breadfruit, coconut, bananas and starchy roots), p. 92. Marianas: chapters on history, geography, geology, meteorology, etc. Pp. 255 et seq., chapter on soils and productions includes mentions of vegetation; notes on food plants, p. 259, and list of food plants with some native and some botanical names, pp. 261-269, (information on uses); notes on cooking, pp. 302-307, on agriculture, pp. 400-415, etc. Mostly about Guam, but the chapter describing soils and vegetation has paragraphs on each of the main islands. Valuable account. LC: Q115.F89.

Friederichsen, M.

Die Karolinen.

Mitt. Geogr. Ges. Hamburg 17: 1-27, 1901.

Comprehensive account, mostly a compilation from works of Kittlitz, Kubary, Chamisso, etc. Includes geographical descriptions, climate, vegetation, plants.

Fries, E. [M.]

Systema mycologicum....

3 volumes and supplements, 1821-1832.

1: 1-520, 1821; 2: 1-620, Lund, 1822-1823 (1-274, 1822; 275-620, 1823).

Vols. 1 and 2 contain revisions of the fungi collected by Chamisso and studied by Ehrenberg (Ehrenberg, 1820), from the Marshalls. LC: QK 603.F9.

- Fritz, G.
 Bericht über die Insel Rota (Marianen).
 Mitt. deutsch. Schutzgeb. 14: 194-204, 1901 a.
 Notes on geography, inhabitants, religion,
 etc. On p. 196 climate and plants, mostly use-
 ful ones, are mentioned.
-
- Die Insel Tinian (Marianen).
 D. Kolonialbl. 12: 150-154, 1901 b.
 Report on a trip to Tinian, in Nov. 1900; men-
 tions of plants and vegetation.
-
- Reise nach den nördlichen Marianen.
 Mitt. deutsch. Schutzgeb. 15: 96-118, 1902.
 This German official travelled past most of the
 Marianas in May 1901. The northern islands are
 studied separately with sketches, notes on geo-
 graphy, aspect, etc. A few words on vegetation,
 no plants named, except the most common ones,
 e. g. coconut, casuarina, etc. A few plants
 were introduced into most of the islands.
-
- Die Chamorro.
 Ethnol. Notizbl. 3(3): 25-100, 1904.
 Historical and ethnological study of the Mari-
 anas. Occasional mentions of plants, especially
 useful ones, p. 49, with native names.
-
- Von den Marianen.
 Globus 89: 287-289, 1906.
 Brief general account of the islands. Includes
 notes on vegetation and economic plants, climate,
 soils, agriculture.
-
- Eine Reise nach Palau, Sonsol und Tobi.
 D. Kolonialbl. 18: 659-668, 1907.
 Account of a trip to Sonsorol, Pulo-Anna,
 Pulo-Merir, Tobi, and Helen's Reef. Casual
 observations on the natives, with some mentions
 of useful plants, and a word on vegetation.
- Fujimoto, S.
 [Nutritious foods from the South Seas], and
 [Menus of nutritious foods].
 Sangyō Soshō 1: 15-26, 26-32, 1943.
 In Japanese.
- Fujita, Y.
 A consideration of the local names of *Pandanus*
tectorius Sol.
- Trans. Nat. Hist. Soc. Formosa 32: 321-323,
 1942.
 In Japanese. Includes some Micronesian names.
- Fukuyama, N.
Dipodium freycinetioides Fukuyama, eine neue
 stammepiphytische Orchidee aus Mikronesien.
 Trans. Nat. Hist. Soc. Formosa 27: 265-267,
 1937 a.
 Discussion of the genus in Japanese. Description
 of a new species, with remarks in German, from
 Palau, p. 266. (Kanehira 1964, Hosokawa 7249.)
-
- Eine neue Orchidee der Palau-Inseln.
 Trans. Nat. Hist. Soc. Formosa 27: 279-280,
 1937 b.
Nervillia oxyglossa sp. nov.
-
- Studia Orchidacearum Japonicarum IX. Orchida-
 ceae novae Micronesianae a T. Hosokawa collec-
 tae.
 Bot. Mag. (Tokyo) 51: 900-906, 1937 c.
 Five new species described from Ponape, Truk,
 and Palau.
-
- Einige neue Orchideen von Mikronesien, mit be-
 sonderer Berücksichtigung der von Palau-Inseln.
 Trans. Nat. Hist. Soc. Formosa 28: 1-7, 1938.
 Description of seven new species of orchids, six
 from Palau, one from Truk, collected by Kanehira
 and Hosokawa.
-
- Diagnoses Orchidacearum novarum vel minus cog-
 nitarum anno 1938 ab T. Hosokawa in insula Kusaie
 collectarum.
 Trans. Nat. Hist. Soc. Formosa 29: 97-102, 1939.
 Enumeration of plants some of them new species
 or varieties, the others new records, from Kusaie.
-
- Species novae generis *Nervillia* Comm.
 Trans. Nat. Hist. Soc. Formosa 30: 428-429,
 1940.
Nervillia umenoi and *N. trichophylla* are de-
 scribed from Palau.
- Fukuyama, N., and Suzuki, T.
 Index Taihokenis I, 1933.
 Kudoa 2 (1): 1-41, 1934.
 Includes several Micronesian species. For other
 numbers, and general notes, see Yamamoto, Y.

1937.

Fulbeck, J.

Monitors in the Marshalls.

Fauna 9: 122-124, 1947.

Popular natural history article, with unimportant remarks on the vegetation of Majuro and Aur atolls.

Furness, W. H., III :

The island of stone money.

1-278, Philadelphia, 1910.

Account of native life on Yap based on observations made in 1903. Very few mentions of plants. Some names of plants given in the vocabulary. LC: DU568.Y3 F7.

Fuzijawa, H.

[Scientific names of plants in F. Nakamura: "Survey of the so-called common medicines of Yap"].

Yakushō-shi no. 68: 1939.

Not seen.

Gaudichaud, C.

Description de quelques nouveaux genres de plantes recueillies dans le voyage autour du monde

Ann. Sci. Nat. 3: 507-510, 1824.

Includes *Schizoloma billardieri* from the Marianas.

Botanique 1-522, Paris, 1826; Atlas pl. 1-120, 1-22, 1828; in, Freycinet, 1826-1844.

The first part includes a brief note on the Carolines, pp. 62-63, and valuable accounts of the vegetation of Guam, Rota and Tinian, pp. 64-87, with notes on the aspect of the islands, and a part on the cultivated plants. The second part, "Classification des herbiers" includes many plants from the Marianas, a number of them new species. A few are illustrated in the atlas. One of the most important botanical sources on Micronesia. LC: Q115.F89.

Histoire naturelle, Botanique, Atlas: in, Vaillant, Voyage autour du monde exécuté La Bonite, 1841-1866.

Plates 1-150, Paris, undated.

Series of beautifully executed plates, at least one of which, pl. 22, includes a Guam plant, *Pandanus fragrans*. This plate is listed in Botanique vol. 4 (Ch. d'Alleizette author): "Expli-

cation et description des planches de l'Atlas" but it is not described, and no mention of origin given. LC: Q115.V18.

Gepp, A. and Gepp, E. E.

The Cordiaceae of the Siboga Expedition.

Siboga Exped. 62: 1-150, 1911.

Includes, pp. 32-33, *Avrainvillea obscura* J. Ag. from Guam (Gaud.).

[Germany, Reichstag]

Stenographische Berichte über die Verhandlungen des Reichstags, 1895-1911.

Sections of these reports refer to the Marshalls and other Pacific possessions, and contain various notes on climate, agriculture, introduced plants, etc. LC: J351.H2.

Giesen, H.

Triuridaceae.

Pflr. 104 (IV. 18): 1-84, 1938.

Monographic, includes *Andruris elegans*, described from Palau, p. 27, *Sciaphila corallophyton* var. *gracilis*, from Ponape, p. 45.

Gilbert, T.

Voyage from New South Wales to Canton in the year 1788

1-85, London, 1789.

Account of voyage during which the Gilbert and Marshall Islands were discovered, with sketches of many of the islands and brief references to their tree cover; also, pp. 58-67, an account of Tinian, mentioning several economic plants and an account of its vegetation in which previous descriptions by Anson, Byron and Wallis are contrasted with conditions at the time of Gilbert's visit. LC: DU20.G26.

Gill, C.

Eine neue *Geniostoma*-Art der Marianen.

Notizbl. 12: 221-222, 1934.

G. longistylum, sp. nov. (Kanehira 2232, in 1933, and Schnee XI), *G. hoeferi* var. *glabra*, var. nov. (Kanehira 2255) both from Saipan.

Gill, E. and Benedict, C.

Die bis jetzt aus Mikronesien und Polynesien bekannt gewordenen Loganiaceen.

Bot. Jahrb. 56: 540-557, 1921.

Enumeration and description of several genera. Several new species are described, including some from Micronesia.

Gill, W. W.

Botanische Mitzellen aus der Südsee.
Mitt. Geogr. Ges., Iena 7: 83-105, 1889.

Notes on the main economic plants, with description and mentions of uses by the natives, mostly in Rarotonga and the Hervey Islands. Gill was missionary in Rarotonga. All the plants exist also in Micronesia, and there are at least two Micronesian references: p. 84, *Pandanus* is mentioned from the Gilberts, and, p. 105, the Kingsmill Is. are cited as one of the places where coconut-bud wine is made.

Girchner, M.

Die Karolininsel Namoluk und ihr Bewohner.
Baessler-Archiv 2: 123-215, 1912.

Ethnological, but has a chapter on geography, plants, and climate. Map of atoll.

Glassman, S. F.

A survey of the plants of Guam.
Jour. Arnold Arb. 29: 169-185, 1948.

A phytogeographic discussion of the flora partly based on author's collections and field work, partly compiled.

Tentative list of plants at Agricultural Station,
Ponape.

1-4, [Ponape], undated [1949] (mimeographed).

A list of field identifications and common names of plants introduced by the Japanese and Germans.

Ponape's "national" beverage.

Res. Rev. 1950: 16-18, 1950 a.

Brief note on *Piper methysticum* and preparation of kava from it in Ponape.

The flora of Ponape.

SIM Rept. 2: 1-34, 1950 b (unpublished except for limited mimeographed edition).

General description of vegetation, environment, economic plants (with native names), flora, etc., with map, bibliography, and many photographs.

The flora of Ponape.

Bishop Mus. Bull. 209: 1-152, 1952 a.

Contains a brief description of the vegetation, discussion of agricultural and economic plants, history of botanical work, and a complete catalog of the higher plants with synonymy, distribu-

tion, and citations of specimens, mainly based on author's own collections made during field season on the island in 1949; many photographs and a map.

Glassman, S. F.

List of non-vascular plants from Ponape, Caroline Islands.

Am. Midl. Nat. 48: 735-740, 1952 b.

Enumeration, based mostly on author's 1949 collection.

New plant records from the eastern Caroline Islands, with a comparative study of the native plant names.
Pac. Sci. 7: 291-311, 1953.

Lists plants from Mokl, Pingelap and Ant atolls, mainly on basis of author's collections. Map, photographs, bibliography.

[Goeze, E. ed.]

Die Karolinen.

Hamburg. Gart. Blumenseit. 41: 490-492, 1885.

Observations on vegetation of the Caroline Islands extracted from Meinecke's work.

Good, R. [D'O.]

The geography of the flowering plants.

1-403, London, N. Y., Toronto, 1947.

Textbook, includes several mentions of Micronesian plants. LC: QK101.G6.

An atlas of the Asclepiadaceae.

New Phytol. 51: 198-209, 1952.

Contains, pp. 200-201, mention of *Finlaysonia obovata* from Palau; p. 208, distribution maps for *Hoya* and *Dischidia* show ranges extending to Micronesia.

The geography of flowering plants, ed. 2.

1-452, London, N. Y., Toronto, 1953.

A general treatment of floristic and historical plant geography containing a few minor references to the flora of Micronesia; places Micronesia in a floristic region with Melanesia; maps and bibliography.

Gottsche, C. M., Lindenberg, J. B. G. and Nees ab Esenbeck, C. G.

Synopsis Hepaticarum.

1-834, Hamburg, 1844-[1847].

Includes some Micronesian species, e. g. *Jungermannia diversifolia*, from the Marianas, p. 98.

Plagiochila hyalina, from "Ualan Insularum Marian." (Kusaie erroneously placed in the Marianas), p. 640 (Mertens coll.), etc. LC: QK553. G68.

Gouas, L.

Les Freycinetias.

Rev. Hort. 1857: 350-353, 1857.

Discusses briefly the several species then known (none from Micronesia). Cited here for notes on Gaudichaud's travels: Mentions that his death in 1854 prevented the "Botanique de la Bonite" from being completed. The atlas thus contains figures of new species which could not be described.

Graebner, P.

Potamogetonaceae.

Pflr. 31 (IV, 11): 1-184, 1907.

Monographic, includes some Micronesian species, e.g. *Diplanthera uninervis* from the Marianas, p. 152, *Potamogeton natans proles mariannensis* from Guam, p. 43 (Gaudichaud). *P. malainus* from Guam, p. 84.

Gräffe, E.

Die Carolineninsel Yap....

Jour. Mus. Godeffroy 2: 12-58, (84-130), 1873 a.

See Tetens, A. and Kubary, J. S., 1873.

Die lagune von Ebon, nach brieflichen Mittheilungen von J. Kubary.

Jour. Mus. Godeffroy 1: 33-47, 1873 b.

Other title: Die Ebongruppe im Marshalls Archipel. Includes a few words on vegetation, p. 33, and a few native names of plants in the vocabulary.

Graff, P. W.

Fungi: in, Merrill, 1914.

Philip. Jour. Sci. C. Bot. 9: 37-40, 1914.

Enumeration of species then known from Guam, description of *Cladospodium clemensiae* sp. nov., p. 40.

Fungi and lichens from the island of Guam. *Mycologia* 9: 4-22, 1917.

A list.

Gray, A.

Botany, Phanerogamia, Part I: in, U. S. Exploring Exped. 15: 1-777, Philadelphia, 1854

(this is the official vol. 15).

Systematic, covering Polypetalae, including a few species from Wake I., e.g., p. 139, *Portulaca oleracea* and, p. 142, *Sesuvium portulacastrum*. Part II, Sympetalae, though completed, was never published; the m. s. is in the library of the Gray Herbarium, Harvard University. Part III, Apetalae and Monocotyledonae, was never written. LC: Q115. W6.

Gray, A.

Characters of a new genus consisting of two species of parasitic Gentianaceae.

Jour. Linn. Soc. Bot. 11: 22-23, 1871.

Genus *Eophylon* ascribed to the Marianas by error, really from the Philippines.

[Great Britain, Colonial Office]

Gilbert and Ellice Islands 1949.

1-52, London, 1950.

One of the new series of colonial reports published by Colonial Office: includes very brief mentions of food plants in the Gilberts and Ocean I.

[Great Britain, Hydrographic Department, Admiralty].

Pacific Islands pilot, seventh edition.

1: 1-599, 1946; 2: 1-523, London, 1943.

1: 487-540 concerns Caroline and Marianas Islands; vol. 2 includes Gilbert Islands, Ocean, Nauru, Marshall Islands, and Wake. Geographical information, with occasional notes on vegetation. LC: VK915. G7, 1943, 1946.

Greenwell, A. B. H.

Taro--with special reference to its culture and uses in Hawaii.

Econ. Bot. 1: 276-289, 1947.

History of uses of the plant, and its cultivation, including mention of presence in Caroline and Gilbert Islands. Study of chemical and nutritional qualities, with notes on future possibilities.

Gregg, C. C.

Chicago Natural History Museum: Report of the Director....

1-142, Chicago, 1951.

On pp. 36-38 is a short account of the anthropological expedition to the Marianas mentioning that these islands represent the farthest penetration of [prehistoric] rice agriculture into the Pacific.

Gressitt, J. L.

Description of Kayangel Atoll, Palau Islands.

Atoll Res. Bull. 14: 1-5, 1952.

Useful description of atoll and its vegetation, with mentions of plants, including economic ones. Based on author's visits in 1951. The maps of the islets give some idea of the distribution of vegetation.

Gressitt, J. L.

Notes on Ngaruangi and Kayangel Atolls, Palau Islands.

Atoll Res. Bull. 21: 1-5, 1953.

Mentions absence of vegetation on Ngaruangi islet. List of plants collected on Kayangel in 1952, determined by Fosberg.

Griffin, A. P. C.

A list of books (with references to periodicals) on the Philippine Islands in the Library of Congress, with chronological list of maps by P. L. Phillips.

1-397, Washington, 1903.

Includes references to the Marianas, pp. 138-144, and scattered throughout the work. LC: Z3291. U51.

Grimble, A.

The migrations of a pandanus people.

Mem. Polyn. Soc. 12: 1-112, [1933-1934].

Ethnology of Gilbert Is., including much ethnobotany.

We chose the islands.

1-340, N.Y., 1952.

A personal narrative of six years of life in the Gilbert Islands and Ocean Island, with casual notes on plants, especially economic ones, usually by common names, occasionally by botanical names, but these not always correct. Published in London under the title: A pattern of islands. LC: DU615. G83, 1952.

Groves, J.

Charophyta from Annam and Guam.

Philipp. Jour. Sci. 19: 663-664, 1921.

Includes *Chara flaccida* from Guam.

Grundemann, D.

Unser kleinstes Schutzgebiet, die Marshallinseln.

D. Kolon. Zeit. 4: 441-444, 1887.

General notes on Ailuk. A brief descriptive paragraph includes superficial notes on vegetation. Some interesting mentions of foods and native agriculture (*Pandanus*, coconut, taro). The author lived in the islands.

Guillaumin, A.

Les régions floristiques du Pacifique d'après leur endémisme et la répartition de quelques plantes phanérogames.

Proc. 3rd Pan-Pac. Sci. Cong. 1: 920-938, 1928.

In French, with English abstract: Micronesia mentioned in geological notes; influence of the warm ocean current (*Kour-shivo*) and of trade-winds is described, a few words on flora and vegetation, p. 930.

Contribution to the flora of the New Hebrides.

Jour. Arnold Arb. 12: 221-264, 1931; 13: 1-29, 81-126, 1932.

Statements of distribution include records from Micronesian groups.

Les affinités de la flore des Nouvelles Hébrides: in, Contribution à l'étude du peuplement zoologique et botanique des îles du Pacifique.

Mém. Soc. Biogéogr. Paris 4: 249-253, 1934 a.

Mentions relationships of New Hebrides flora with those of Micronesian groups as illustrated by such genera as *Badusa*, *Coelococcus*, etc.

Les régions florales du Pacifique: in, Contribution à l'étude du peuplement zoologique et botanique des îles du Pacifique.

Mém. Soc. Biogéogr. Paris 4: 255-270, 1934 b.

Micronesia mentioned on p. 263, with a few notes on the flora of the islands. That of the Carolines is said to be clearly Malayo-Polynesian.

Compendium de la flore phanérogamique des Nouvelles Hébrides.

Ann. Mus. Col. Marseille VI, 5-6: 1-56, 1948.

Enumeration of plants known from the New Hebrides. Statements of distribution include Micronesian groups.

Guillemard, F. H. H.

Malaysia and the Pacific Archipelagoes, edited and greatly extended from Wallace's "Australasia".... 1-574, London, 1894.

A not very reliable geographical compilation, including a chapter on Micronesia, with various plants, mainly economic, mentioned by botanical names. Drawings and maps. LC: DU 21. W22.

Gulick, L. H.

The climate and productions of Ponape or Ascen-

sion Island,

Amer. Jour. Sci. II, 26: 34-49, 1858 a.

Careful description of the island, with mentions of vegetation and useful plants. Chapter on climate. Gulick was there, and although aware of Little's and Kotzebue's voyages, had not been able to read their accounts.

Gulick, L. H.

The flora of Ponape or Ascension Island.

Friend, old ser. 15, n. s. 7: 26-27, 1858 b.

Description of vegetation: Mangrove, uninterrupted forest with a few spots of yellow-green short coarse grass. List of edible plants.

Micronesia.

Naut. Mag. 31: 169-182, 237-245, 298-308, 358-363, 408-417, 1862.

Summary of historical data and valuable notes on native customs by an early medical missionary. Vegetation of Kusaie and Ponape described on pp. 176-177. Mentions of food-plants, such as taro, pandanus, etc. scattered throughout. Concerns especially Carolines, Marshalls and Gilberts.

Guppy, H. B.

The Polynesians and their plant names.

Jour. Trans. Victoria Inst. 29: 135-170, 1897.

Discussion of history of peoples of Oceania, as indicated by their names for plants. On pp. 150-170 is a list of plants with Latin names and their vernacular equivalents in several regions of the Pacific, including Micronesia (sources: Kittlitz, Kubary, Lesson, etc.).

Observations of a naturalist in the Pacific between 1896 and 1899. II. Plant dispersal. 1-627, London, 1906.

Extensive record of observations and deductions from phytogeographic data; contains a very few remarks about Micronesian occurrences, e. g. p. 158. LC: QH198.A1 G8.

Plants, seeds, and currents in the West Indies and Azores.

1-531, London, 1917.

On p. 201, discusses a record of *Conocarpus erectus* L. from the Marianas (quoting Grisebach, 1864) and says it is probably erroneous.

Hackel, E.

Neue Gräser.

Oesterr. Bot. Zeitschr. 51: 290-295, 1901.

Panicum gaudichaudii from the Marianas is referred to subgenus *Digitaria* sect. *Solitaria*, p. 291.

Hada, Y.

[Notes on Lake Ngardok in the south Sea Islands].

Jap. Jour. Limnology II, 1: 10-14, 1932.

Discussion of size of lake on Babeldaob, tables of water temperature at surface and bottom, no mention of plants except to say that water plants may be the cause of the alkalinity of the water (pH 7.8, 8). Translation in GS. Original not seen.

Hager, C.

Die Marshall-Inseln in Erd- und Völkerkunde, Handel, und Mission, mit einem Anhang: Die Gilbert-Inseln. 1-157, Leipzig, 1885; ed. 2, 1889.

A monograph. Plants are cited from works of Chamisso, Finsch, and Doane, pp. 53 et seq. Compilation of data of other authors, but also valuable original descriptions of individual islands, hardly any mention of vegetation. NY PL:BIH.

Hahl, A.

Bericht des Vizegouverneurs Dr. Hahl über eine Expedition nach den Ruckinseln (Ostkarolinen).

D. Kolonialbl. 12: 318-322, 1901.

Inspection trip to Truk in Jan. 1901. Hardly any mention of plants.

Hale, H.

Ethnography and philology: in U. S. Exploring Exped. 6: 1-666, Philadelphia, 1846.

Includes incidental information on plants in discussions of several of the Carolines, Mille, and the Gilberts, and plant names without botanical equivalents in the vocabularies. The information on the Gilberts is largely original, the rest compiled. LC: Q115.W6.

Halstead, B. W.

Results of a preliminary survey of the poisonous fish problem in the Trust Territory of the Pacific Islands.

1-24, Loma Linda, Calif., [undated but probably 1951] (mimeographed report to Office of Naval Research).

Contains incidental mention of vegetation and of a few medicinal plants reputed to be of value in treating ichthyotoxism.

Hambruch, P.

Nauru: in G. Thilenius, Erg. Süds. Exp. II B 1, 1: 1-458, 1914; 2: 1-314, 1915.

First volume includes geography, with mentions

of vegetation and plants. Many valuable photographs and a detailed map.

Hambruch, P., ed.

Elf Jahre in Australien und auf der Insel Ponape. Erlebnisse eines irischen Matrosen in den Jahren 1822 bis 1833.

1-240, Berlin, 1929.

A "free translation" of O'Connell (see O'Connell, 1836). Hambruch has added notes and photographs, some of them showing vegetation. LC: DU21. O183.

Ponape: in, G. Thilenius, *Erg. Süds. Exp.* II B 7, 1: 1-376, 1932; 2: 1-386, 1936; 3: 1-437, 1936.

Eilers, A. joint author for vol. 2. Vol. 1 is mostly a history compiled from many sources, with a chapter on geography mentioning climate and vegetation and including a list of plants. Vol. 2 includes food plants. Vol. 3 non-botanical, but shows some photos of vegetation.

Hammet, L. U.

Narrative of the voyage of H. M. S. *Serpent*. *Naut. Mag.* 23: 57-67, 188-194, 1854.

Includes notes on the vegetation of a few of the Marshall and Caroline Islands.

Handa, T.

Anomalous secondary growth in the axis of *Lophopyxis pentaptera* (K. Schum.) Engl.

Bot. Mag. (Tokyo) 54: 41-47, 1940.

The plant studied was collected in Palau.

Haneda, Y.

[A few observations on the luminescent fungi of Micronesia].

Kagaku Nanyō 1 (3): 8-20, 1938.

Nine species mentioned from Micronesia, eight of them new records. Morphological and physiological study. Abstract, original not seen.

[Fungi which glow in the dark].

Kagaku Gahō 28 (10): 5-7, 1939 a.

Not seen.

[The terrestrial luminescent animals and plants in Palau and Yap Islands].

Kagaku Nanyō 2 (2): 30-35, 1939 b.

Includes notes on luminous fungi. Abstract, original not seen.

Haneda, Y.

[Further investigation upon luminescent fungi in Micronesia].

Kagaku Nanyō 4 (3): 49-63, 1942 a.

Five new species were collected in 1939, 1941, from Ponape, Palau, Truk and Rabaul. Notes on morphology and physiology. Abstract, original not seen.

[Luminous organisms of the South Seas].

Kagaku Gahō 31 (1): 103-108, 1942 b.

Not seen.

Haneda, Y., Takase, K. and Kumagaya, Y.

[Spectroscopic examination of bioluminescence].

Jap. Jour. Physiol. 5 (4): 307-317, 1940.

Not seen.

Hane-Steenhuysen, C. F. d'

Les archipels des îles Philippines, Jolo, Palao, et Mariannes.

Bull. Soc. Roy. Belge Géogr. 12: 469-514, 1888.

Author was Belgian consul in Manila. This note is extracted from a report to the government. Includes miscellaneous information, mostly geographical, political and economical. Mentions of economic plants in Micronesia, pp. 509 et seq. List of plants for Guam, p. 513, includes timbers with only native names given.

Hanzawa, S.

Diatom (*Ethmodiscus*) ooze obtained from the tropical southwestern North Pacific Ocean.

Rec. Oceanogr. works Japan 7: 37-44, 1935.

Some samples obtained within Micronesian area, several species of diatoms reported.

Harlan, S. R.

Miemo River Valley and entrance to Hidden River. *Guam Record.* 16: 139-140, 165, 1939.

Popular descriptive article, with brief incidental notes on vegetation, especially a reference to conditions indicating an earlier population in Mepo Valley, Guam.

Harms, H.

Beschreibung einer neuen, von Oberstabsarzt Dr. Kraemer auf den Karolinen gefundenen Araliacee. *Notizbl.* 5: 73-74, 1908.

Schefflera kraemeri, sp. nov., from Truk.

Ueber einige zu Niederhaltung des Unkrauts und als Gründüngung in tropischen Kulturen geeignete Des-

- modium-Arten. Mit Verwerthung brieflicher Mitteilungen von A. Stolz. Notizbl. 5: 308-318, 1913.
Discussion of several species of *Desmodium*, including *D. triflorum* and *D. polycarpum*, frequent in the Carolines, pp. 314-315.
- Hassert, K.
Die neuen deutschen Erwerbungen in der Südsee: Die Karolinen, Marianen und Samoa-Inseln. 1-111, Leipzig, 1903.
Monographic compilation, not original. Includes notes on climate, plants, soil, and vegetation scattered throughout, especially vegetation of the Caroline Islands, pp. 42-46. Bibliography. LC: DU 60. H35.
- Haswell, W.
Remarks on a voyage in 1801 to the Island of Guam. Essex Inst. Hist. Coll. 53: 193-214, 1917.
Introduction and annotations by L. W. Jenkins. Miscellaneous notes on Guam from the journal of Haswell. Brief mention of cultivated plants.
- Hatai, S.
The Palao Tropical Biological Station. Palao...Studies 1: 1-15, 1937.
Non-botanical, but interesting historically as describing the station, and the research problems offered to students.
- Hatheway, W. H.
Report on the southern field trip, September 18-27, 1952. 1-8, [Majuro?], [1952] (mimeographed).
Observations on agriculture, economic plants, and plant diseases on several atolls in the southern Marshalls.
- The land vegetation of Arno Atoll, Marshall Islands. Atoll Res. Bull. 16: 1-68, 1953.
Detailed description of vegetation of atoll and discussion of coconut cultures, etc.; vegetation maps and photographs.
- Hattori, S.
On a small collection of Hepaticae from Dutch New Guinea. Bot. Mag. (Tokyo) 64: 112-119, 1951.
Systematic enumeration; includes various records from Carolines and Marianas.
- Hatusima, S.
Materials for a flora of Micronesia. Rubiaceae I. Hedyotideae. Trans. Nat. Hist. Soc. Formosa 26: 217-226, 1936.
Key to Hedyotideae, with three genera and 23 species recognized.
- Araceae novae Micronesicae. Jour. Jap. Bot. 15: 19-21, 1939.
Five species are recorded from Yap or Palau, two of them, *Spathiphyllum micronesicum* (Palau) and *Raphidophora kanehirae* (Yap), first described here.
- [On some Micronesian plants having abnormal distribution]. Kagaku Nanyō 2: 138-142, 1940.
Gives examples of Micronesian plants having disjunct distribution. Reports the discovery of *Merilliodendron rotense* Kanehira in Kusaie. Tr. Takeda.
- Hawkes, A. D.
Notes on a collection of orchids from Ponape, Caroline Islands. Pac. Sci. 6: 3-12, 1952.
Systematic notes on various genera, with new species and new combinations.
- Hayata, B.
General aspects of the flora of Japan, including southern Saghalien, ... and the Micronesias... in, Sakumi, Scientific Japan Past and Present, 77-104, 1926 a.
See next entry (reprint). GS: 030 (620) N21 s.
- General aspect of the flora of Japan including southern Saghalien, the Kuriles, Korea, Formosa, the Loochoos, the Bonins, and the Micronesias under the Japanese Mandatory Rule. 1-28, Kyoto, 1926 b.
Reprint from Sakurai, Scientific Japan, Past and Present, pp. 77-104, 1926. On p. 28 is a brief, not too accurate summary of the vegetation of Micronesia.
- Heilborn, A.
Die deutschen Kolonien (Land und Leute). 1-168, Leipzig, 1906.
A series of lectures. Die Karolinen-, Palau- und Marianeninseln, pp. 119-134, die Marshall-

- Inseln, pp. 135-141. Includes a few notes on climate and most important plants. Unimportant. LC: JV2027.H5.
- Heimerl, A.
Beiträge zur Systematik der Nyctaginaceen. Jahresbericht k. -k. Staats-Oberrealschule, Wien 23: 1-40, 1897 (only reprint seen, possibly repaged).
Mentions several Micronesian plants, pp. 27, 33. Smi.
- Heinl, R. D., Jr.
The defense of Wake.
1-75, Washington, 1947 (U. S. Marine Corps monograph).
Account of military operations in Dec. 1941; includes photos of atoll taken before and after the war, showing effect on vegetation. LC: D787. 99.W3 U5, 1947.
- Hemsley, W. B.
Report on the present state of knowledge of various insular floras.
Challenger Reports Bot. 1 (1): 1-75, 1885 a.
Includes, pp. 13-15, a list of plants from the Marianas Is. extracted from Endlicher, 1836, as an example of "vegetation containing a small chiefly endemic element"; p. 17, a list of plants collected by Betcher in the Marshalls; p. 18, the list of plants collected in Caroline Island, applies to the island in the Central Pacific, and a footnote mentions Caroline Archipelago "concerning the botany of which almost nothing is known", and from which Endlicher is said to list 7 plants. LC: Q115.C4.
-
- The South-Eastern Moluccas: in, Report on the botany of Juan Fernandez, the southeastern Moluccas, and the Admiralty Islands.
Challenger Reports Bot. 1 (3): 101-226, 1885 b.
On p. 120, discusses *Capparis mariana* from the Marianas Islands and reduces it to *C. spinosa* L. var.
-
- Nepenthes phyllamphora*.
Bot. Mag. 132: t. 8067, 1906.
Mentioned from Pelew (Palau).
- Hennings, P.
Einige Pilzarten von den Marshallinseln.
Notizbl. 1: 226-229, 1897.
Descriptions of plants collected by Schwabe on Jaluit, some of them new.
- Hennings, P.
Pilze: in, Volkens' Die Vegetation der Karolinen
Bot. Jahrb. 31: 449-450, 1901.
A list of species collected by Volkens.
-
- Fungi nonnulli novi ex regionibus variis.
Hedwigia 41: Beibl. 61-66, 1902.
Includes *Dothidella yapensis*, n. sp., from Yap, found in the leaves of *Derris elliptica*, p. 64.
- Henrard, J. T.
New or insufficiently known species and new binomials in the genus *Digitaria*.
Med. Rijks Herb. Leiden 61: 1-21, 1930.
Includes *D. gaudichaudii* (Kunth) Henr., comb. nov., p. 18, from the Marianas.
-
- Notes on the genus *Digitaria* with descriptions of new species.
Blumea 1: 90-114, 1934.
D. latronum Henr., nom. nov., to replace *D. marianensis* Mez, non Merr.
-
- Monograph of the genus *Digitaria*.
1-999, Leiden, 1950.
Treats various Micronesian species, but with few direct records of Micronesian occurrence. Smi.: Div. of Grasses.
- Hercouët, C.
Note sur un archipel peu connu de la Micronésie (Iles Francis, Gilbert ou Kingsmill).
Bull. Géogr. Hist. Descr. 1895: 424-436, 1896.
See next entry.
-
- Un archipel peu connu de la Micronésie (Iles Francis, Gilbert ou Kingsmill).
Bull. Soc. Géogr. Est 19: 258-268, 1897.
General notes on the Gilberts by a Navy doctor who visited them. Includes notes on native life, climate, and mentions, p. 267, a few plants: coconut, *Pandanus odoratissimus*, *Morinda citrifolia*, *Colocasia gigantea*.
- Hernsheim, F.
Südsee-Erinnerungen (1875-1880).
1-109, Berlin, 1883.
Memoirs of a German consul of Jaluit, with superficial observations on Jaluit, also Kusaie,

Ponape, Palau, Yap. Superficial descriptions of vegetation, mention of main economic plants. NYPL:SIH+.

Herter, G.

Index Lycopodium.
1-120, Montevideo, 1949.

Mimeographed alphabetical index to names in Lycopodium and Urostachys, with references and with a bibliography. Not especially Micronesian, but species mentioned which grow there, and papers are mentioned which list Micronesian species. Smi.: 587.9 H57.

Herzog, T.

Sapindaceae; in, Hannig, and Winkler, Die Pflanzenareale 4 (4); Karte 31-37 b, 1936.

The distribution map for *Tristiropsis* (K. 34 a) indicates record in the Carolines. LC: QK 101. H22.

Heuzé, G.

Les plantes alimentaires des pays chauds et des colonies, ed. 2.
1-381, Paris, 1899.

Comprehensive treatment of tropical food plants, with geographic ranges, short descriptions, notes on cultivation and use; botanical names rather out-of-date and loosely applied; occasional references to Micronesian occurrences, as on pp. 249, 252, etc. LC: SB107.H6.

Hieronymus, G.

Eine neue Selaginella; in, Volkens, 1914.
Bot. Jahrb. 52: 1-3, 1914.

Selaginella volkensii from the Caroline Islands.

Bemerkungen zur Kenntnis der Gattung Angiopteris Hoffm. nebst Beschreibungen neuer Arten und Varietäten derselben.

Hedwigia 61: 242-285, 1919.

Includes *A. palauensis*, n. sp., pp. 268-270.

Higgins, M. M.

Guam, perch of the China clippers.
Nat. Geogr. Mag. 74: 99-122, 1938.

Mostly about native life. Only mention of plants is of coconuts and some other fruits. Unimportant.

Hiro, F.

Notes on the molluscan fauna of Palau.
Venus 6: 31-43, 208-221, 1936 (translation by R. Endo, Military Geology, Tokyo).

Briefly describes vegetation and mentions plants in the habitats of the mollusks. GS.:G, Pam. Hiro, Fujio.

Hobbs, W. H.

Cruises along by-ways of the Pacific.
1-162, Boston, 1923.

Superficial account of a visit to islands of the Pacific, including the Marianas, and mainly, several of the Carolines. Includes only a few mentions of plants. LC: DU563.H6.

The fortress islands of the Pacific.

1-186, Ann Arbor, 1945.

Description of Pacific islands of military importance, including several in Micronesia. For each island, brief data on position, geological origin, geography, and climate are given. A few include superficial notes on vegetation. Maps. Much valuable information, but hastily and carelessly written. LC: GB458.H6.

Hochreutiner, B. P. G.

Notes sur quelques Sterculiacées.

Ann. Conserv. Jard. Bot. Genève 21: 429-435, 1920.

Includes *Melochia compacta* from the Marianas.

Hochstetter, F. von

Gesammelte Reise-Berichte von der Erdumsegelung der Fregatte "Novara" 1857-1859.

1-340, Wien, 1885.

Account of voyage. Mentions, pp. 276-289, Puniwet or Ponape, giving description of island, mentions of cultivated plants, a few notes on vegetation. LC: Q115.N8985.

Hockin, J. P.

A supplement to the account of the Pelew Islands.
London, 1803.

Not seen, see next entry.

Bericht von der neusten Reisen nach den Pelew-Inseln . . . : in, Bibliothek der neusten und wichtigsten Reise-Beschreibungen, Sprengel ed. 23: 1-109, 1805.

Translation from the English 1803 first ed. After Wilson's adventures on Palau (see Keate, 1788), two ships were sent back there (1790-1793) to announce to the King the death of the young Prince who had been taken to England. This is a compilation from the diaries of officers on the ships Panther and Endeavour. NYPL: K B D.

Hoffman, C. W.

Saipan: the beginning of the end.
1-286, Washington, 1950 (U. S. Marine Corps
Monograph).

Account of military operations in 1944. In-
cludes a few photos showing their effect on vege-
tation. LC: D767. 99. S3 U5, 1950.

The seizure of Tinian.

1-169, Washington, 1951 (U. S. Marine Corps
Monograph).

Account of military operations in 1944. In-
cludes some photos showing their effect on vege-
tation. LC: D767. 99. T5 U5, 1951.

Holthuis, L. B. and Lam, H. J.

First contribution to our knowledge of the flora
of the Talaud Islands and Morotai.
Blumea 1:93-256, 1942.

The systematic part, pp. 146-256, by Hol-
thuis, includes many mentions of Micronesian
occurrences of plants.

Hombrom and Jacquinet

Botanique: in, Dumont d'Urville, Voyage au
Pôle Sud. . . .

See Montagne, C. for Part I which contains
Micronesian plants.

Honda, M.

Revisio Graminum Japoniae XIV.
Bot. Mag. (Tokyo) 41: 635-641, 1927.

Centotheca malabarica mentioned from Caro-
lines and Marianas.

Honda, S., Hongo, T., Kawamura, J., Matsu-
shima, T., Wada, Y., Harada, K. and Susuki, S.
[Survey of South Sea plants] (Nanyō Shokubutsu
Yōran).

1-160, 1943.

Not seen.

Hooker, J. D.

The botany of the Antarctic voyage of H. M. dis-
covery ships Erebus and Terror in the years 1839-
1843. . . Part III. Flora Tasmaniae.
2 vols., London, 1860.

On p. xix of the introductory essay mentions
"the Marianne Islands. . . of whose vegetation
nothing is known". LC: QK5. E6, rare books.

Ixora macrothyrsa.

Bot. Mag. 112: t. 6853, 1886.

Mentions one specimen from Ualan or Strong Is-
land (Kusaie).

Hooker, J. D.

Barringtonia samoensis Hook.

Bot. Mag. 120: t. 7337, 1894.

Reported from the Marianas Islands.

Hooker, W. J.

Artocarpus incisa.

Bot. Mag. 55: t. 2869-71, 1828.

Description, with three plates and reference to
uses of breadfruit on Guam.

Asplenium nidus.

Bot. Mag. 58: t. 3161, 1831.

Described and reported from Ladrone Islands
(Marianas).

Cymbidium triste.

Bot. Mag. 65: t. 3648, 1839.

Reported from the Marianas.

Hooker, W. J. and Baker, J. G.

Synopsis filicum, or A synopsis of all known ferns. . . .
1-352, London, 1868; ed. 2, 1874.

Baker, in the editor's preface says that all except
pp. 1-48 are his work, as is all of ed. 2. Date on
title page, and on editor's preface, 1868. Accord-
ing to Christensen, Index Filicum, p. 706, 1906,
dates are: 1-32, 1865; 33-64, 1866; 65-352, 1867.

Monographic, includes Micronesian species, e.
g. *Lygodium semihastatum*, p. 437. LC: QK523.
H78.

Horikawa, Y.

Studies on the Hepaticae of Japan II.

Sci. Rep. Tohoku Imp. Univ. (Biology) 4: 395-
429, 1929.

Includes, p. 421, *Lopholejeunea densiloba*, sp.
nov., from Palau.

Symbolae florae Bryophytae Orientali-Asiae VII.

Bot. Mag. (Tokyo) 49: 671-678, 1935.

Includes *Pleurozia gigantea* from Micronesia,
Syrhropodon tristichus and *Calymperes cristatum*
from Ponape.

*Symbolae florae Bryophytae Orientali-Asiae et Mi-
cronesia IX.*

Bot. Mag. (Tokyo) 50: 380-385, 1936.

Continuation of the preceding series; with different title. Includes a new species from Ponape, p. 381, *Microlejeunea ponapensis*. Earlier parts have no Micronesian references.

Horikawa, Y.

Extension of range for some species of Bryophytes. Jour. Jap. Bot. 24: 140-144, 1949.

Includes several new records from Kusaie and Ponape (Horikawa coll. in 1940).

Symbolae Florae Bryophytarum Orientali-Asiae et Micronesiae XI.

Hikobia 1 (1): 30-36, 1951 a.

Includes *Chistocaulon dendroides*, from Kusaie, p. 31. Pp. 35-36 in Japanese.

Bryotheca Archipelagi-Japonica et Micronesica (Emiccateae).

Hikobia 1 (1): 39-42, 1951 b.

A bare list of 200 species, with no indication of place of origin, nor any notes.

Horikawa, Y. and Sato, W.

Studien über die Lebensformen der Phanerogamen in Japan-Hondo und über den Pflanz-Q in Japan. Jour. Sci. Hiroshima Univ. Ser. B, Div. 2, 3: 57-67, 1938.

Mentions Micronesia in table comparing peridophyte quotients in Japan and Japanese Empire, p. 63.

Hornell, J.

The canoes of Polynesia, Fiji, and Micronesia: in, Haddon, A. C. and Hornell, J., The canoes of Oceania.

Bishop Mus. Spec. Pub. 27: 1-454, 1936.

Includes canoes of Micronesia, pp. 345-441, with some mention of trees used for materials.

How did the sweet potato reach Oceania?

Jour. Linn. Soc. Bot. 53: 41-62, 1946.

Detailed account of various hypotheses on introduction of sweet potato into the Pacific Islands, discussing the history of its occurrence and its local names in the Marianas.

Hosaka, E. Y.

Botanical report on Micronesia.

U. S. Commercial Company Economic Survey of Micronesia 13-2: 1-68, figs. 1-82, 1946 (unpublished).

Botanical report, including material on vegetation and economic plants. Mostly written from an agricultural point of view.

[Hoshino, M.]

[*Piper methysticum* Forst. f. of the Ponape Island]. Guntō no Sangyō [Dec. 1934]:[1-11, 1934 a].

Includes information on uses and cultivation of plant. Abstract Ashizawa.

[Result of agricultural management and rice cultivation of Palikir colony in the Ponape Island].

Guntō no Sangyō [Feb. 1934]:[1-14, 1934 b].

Includes information on agriculture on the farm, results of wrong management, etc., and list of various crops. Abstract Ashizawa.

Hosokawa, T.

A bibliography of Micronesian botany. Kudoa 2: 51-60, 1934 a.

A preliminary and highly incomplete bibliography. Many of the references do not apply specifically to Micronesia.

Balanophoraceae Micronesiae.

Jour. Soc. Trop. Agric. (Taihoku) 6: 572, 1934 b.

Includes three species, one of them new: *Balanophora marianae*.

Buttressing.

Kudoa, 2(2): 71-73, 1934 c.

Not seen.

[*Casuarina equisetifolia* in the Marianas].

Kudoa 2: 107-113, 1934 d.

In Japanese. Description of zones of vegetation for several islands. Distribution of *Casuarina* in these zones is recorded. Tr.

Conspectus of the genus *Lepinia*.

Bot. Mag. (Tokyo) 48: 528-530, 1934 e.

Systematic. Includes *L. ponapensis* from Ponape.

Phytogeographical relationship between the Bonin and the Marianne islands laying stress upon the distribution of the families, genera and special species of their vernacular [indigenous] plants.

Jour. Soc. Trop. Agric. Taihoku 6: 201-209.

657-670, 1934 f.

Contains list of plants common to both groups, and long list of plants from the Marianas Is. Recognizes net phytogeographical discontinuity between the two groups.

Hosokawa, T.

Preliminary account of the vegetation of the Marianne Islands group.

Bull. Biogeogr. Soc. Japan 5: 124-172, 1934 g (translated by R. Endo, edited by V. Neuschel, in GS).

Text in Japanese, English summary. Flora listed on pp. 129-151, and table of distribution of ligneous species on pp. 152-155. *Alsophila kaneharae*, sp. nov., described in foot-note on p. 129, from Sarigan and Alamagan.

[The palms of Micronesia].

Nettai Engai (Tropical Horticulture) 4 (2): 18-22, 1934 h.

Popular account in Japanese. Unimportant.

[Phytophysognomy of Kusale.]

Bot. and Zool. 2 (8): 1421-1426, 1934 i.

In Japanese, names of species in Roman type. Account of collecting trip in Kusale, describing vegetation and plants. Some mentions of economic plants. Some rather poor photos, and a small sketch map indicating author's itinerary; diagram showing vertical distribution of plant associations. Tr. Takeda.

Materials of the botanical research towards the flora of Micronesia.

Trans. Nat. Hist. Soc. Formosa 24: 197-205, (II) 414-415, 1934; (III) 25: 17-39, (IV) 117-128, (V) 242-247, (VI) 261-269, (VII) 434-443, 1935; (VIII) 26: 44-51, 1936; (IX) Jour. Soc. Trop. Agr. 7: 305-325, 1935; (X) Trans. Nat. Hist. Soc. Formosa 26: 67-79, (XI) 115-126, (XII) 227-235, (XIII) 244-248, 1936; (XIV) Jour. Jap. Bot. 13: 191-203, (XV) 274-284, (XVI) 603-617, 1937; (XVII) Trans. Nat. Hist. Soc. Formosa 28: 61-67, (XVIII) 145-157, 1938; (XIX) Jour. Jap. Bot. 16: 535-545, 1940; (XX) Trans. Nat. Hist. Soc. Formosa 31: 39-46, (XXI) 286-291, (XXII) 468-477, 1941; (XXIII) 32: 5-30, (XXIV) 101-105, (XXV) 283-288, 1942; (XXVI) Act. Phytotax. Geobot. 13: 163-171, 1943; (XXVII) Trans. Nat. Hist. Soc. Taiwan 33: 210-214, 1943.

Critical notes and revisions of many genera for Micronesia including many new species. Pts.

VII, VIII and X-XIII published with the title; Enumeratio Pteridophytae notae adhuc e Micronesia, pt. IX with the title: An enumeration of Gramineae hitherto known from Micronesia under the Japanese Mandate.

Hosokawa, T.

An enumeration of Gramineae hitherto known from Micronesia under the Japanese Mandate.

Jour. Soc. Trop. Agric. Taihoku 7: 305-325, 1935 a.

Notes on distribution according to habitats, entitled "on the gramineous vegetations", pp. 305-308. List of grasses (70 species), some of them new, e. g. *Sporobolus farinosus*, p. 321; (this is part IX of "Material of the botanical research...").

[Materials for a flora of Ponape in the South Sea Islands].

Kudoa 3: 162-166, 1935 b.

In Japanese, with occasional titles in English, and Latin names of plants. Includes brief mention of vegetation and list of plants found in a 20 m. x 20 m. quadrat. Tr.

On the generic distribution of *Cyrtandra* (Gesneriaceae) with the description of a new species from Botel Tobago.

Trans. Nat. Hist. Soc. Formosa 25: 410-413, 1935 c.

In Japanese, except for description of a new species from Formosa, *C. kotoensis*. Mention of Micronesian species in the chart of geographic distribution.

[Phytogeographical considerations on the Marianne Islands].

Nihon Gakujutsu Kyōkai Hōkoku (Proc. Japan. Assoc. Adv. Sci.) 10: 146-151, 1935 d.

Notes on floristics, with lists of species. In Japanese. Tr.

H[osokawa]. T.

[Materials for the study of Micronesian plants]: in, Yamamoto et al., Materials for the floras of Formosa and Micronesia, 35-44, [1936].

Largely in Japanese; consists of lists: A. Endemic genera of Micronesia. B. Noteworthy genera of importance to plant geography. C. Horticultural plants worth cultivating. D. herbarium specimens of *Pandanus* species. E. Pictures on vegetation of Micronesia. F. Maps of Micronesia. G. Botanical literature related to Micronesia. Several new com-

binations and names; also several new species of *Pandanus* proposed, but not described.

Hosokawa, T.

An enumeration of the plants collected from Ponape.

Kudoa 5: 41-55, 79-96, 1937 a.

Not seen.

A preliminary account of the phytogeographical study of Truk, Caroline.

Bull. Biogeogr. Soc. Japan 7: 171-255, 1937 b.

Includes sections on topography, with maps, history of botanical exploration, method of exploration by the writer, climate, with graphs, an enumeration of the flora, with life-forms indicated according to Raunkiaer's system, vegetation arranged according to R  bel's system, lists according to life-forms, with life-form "spectrum", geographical affinities of genera and species, "phytogeographical considerations", and conclusions, with a resu  m   in English, otherwise largely in Japanese. Tr. Takeda.

[A botanical trip in Truk].

Taiwan Ky  iku [Formosan Education] 1-12, 1937 c.

Account of a trip to Truk in 1936. Includes general description of the group, notes on natives, their foods, houses, etc. Information on vegetation, list of plants seen in various localities, economic plants. Only reprint seen. Tr. Takeda.

Observations on the phytogeography of the Bonin Islands I.

Bot. and Zool. 6: 548-560, 715-722, 895-900, 1938.

The first paragraph indicates that the Bonins were studied in order to learn more about Micronesia, since the flora of the Bonins is related to that of the Marianas. In Japanese. Tr. Takeda.

[Studies on the life-forms of introduced plants].

Kudoa II, 1: 3-24, 1941.

Not seen.

[A general consideration of the vegetation of the far eastern Asiatic tropics.] (Namponettai no Shokubutugakkan).

1-264, index 1-34, Tokyo, 1943 a.

With 69 text figures, 4 plates, 27 tables, and

one map. Japanese text: A general sketch of the vegetation of the far Eastern Asiatic tropics including eastern Malaysia, Micronesia, Polynesia, Melanesia and the tropical part of Australia with descriptions of climatic, edaphic, and biotic factors and phytogeographical considerations. Abstr. Hosok.

Hosokawa, T.

Studies in the life-forms of vascular epiphytes and the epiphyte flora of Ponape, Micronesia.

Trans. Nat. Hist. Soc. Taiwan 33: 35-55, 71-89, 113-141, 1943 b.

In "general considerations" mentions of topography, climate and vegetation of island. Tabulation of epiphytic species, with local distribution in different vegetation types, life-forms indicated.

Studies on the life-form of vascular epiphytes and the spectrum of their life-forms.

Jour. Jap. Bot. 24: 41-45, 1949.

Additional notes to Hosokawa, 1943 b, with examples given from Palau.

Epiphyte-quotient.

Bot. Mag. (Tokyo) 63: 18-20, 1950.

An attempt to establish a relationship between the percentage of epiphytes in the flora to climate, mentioning a number of Micronesian islands, especially Jaluit.

On the nomenclature of aerosynusia.

Bot. Mag. (Tokyo) 64: 107-111, 1951.

A discussion of types of epiphytic plant communities, proposing the term "aerosynusia" and a system of units subdividing it to fit into the Du Riets scheme of classification of vegetation, with illustrative examples from Micronesian vegetation, specifically from Ponape.

A plant-sociological study in the mossy forests of Micronesian Islands.

Mem. Fac. Sci. Kyushu Univ. Ser. E (Biology) 1: 65-82, 1952 a.

Describes the vegetation of higher altitudes of Kusae and Ponape, relating it to that of other wet tropical regions; mainly tables and photographs.

A synchorological study of the swamp forests in the Micronesian Islands.

- Mem. Fac. Sci. Kyushu Univ. Ser. E (Biology) 1: 101-123, 1952 b.
- Describes swamp forests on the high islands of the Carolines and method of investigation of them phytosociologically, with tables, diagrams, and photographs to illustrate their characteristics.
- Hosokawa, T.
A synchorological consideration of the Campnosperma forests of Micronesia.
[1-11], [Fukuoka, Japan], [1953] (mimeographed).
Distributed at 8th Pacific Science Congress, Manila, Nov. 24, 1953, with a chart. Phytosociological consideration of lowland forests.
- House, H. D.
Note upon a Guam species of *Ipomoea*.
Torrey 7: 37-38, 1907.
I. choisiana W. F. Wight should be *I. gracilis* R. Br.
- Howard, R. A.
Studies of the Icacinaceae. I. Preliminary taxonomic notes ... VII. A revision of the genus *Medusanthera* Seemann.
Jour. Arnold Arb. 21: 461-489, 1940; (VII)
Lloydia 6: 133-143, 1943.
Part I includes at least one Micronesian reference, *Medusanthera laxiflora* (Miers), comb. nov., from the Carolines, p. 470. Part VII includes *M. carolinensis* from Palau, pp. 142-143.
- Howes, F. N.
Fish-poison plants.
Kew Bull. 1930: 129-153, 1930.
No mention of Micronesia, but some species discussed do exist there.
- Hubbard, C. E.
Thaumastochloa rariflora (F. M. Bailey) C. E. Hubbard. *Thaumastochloa Brasii* C. E. Hubbard.
Hook. Ic. 34: t. 3313-3314, 1-6, 1936.
Description of new genus and key to species, including *T. cochinchinensis*, comb. nov., from the Marianas and Carolines.
- Hudson, L. G., and Cameron, C. E. R.
Report on survey trip to Marianas, Marshalls, Gilberts.
1-15, [Honolulu, 1944] (mimeographed).
Includes lists of economic plants from various islands, with uses, lists of poisonous plants.
- H[umphrey], O. J.
Wreck of the "Rainier".
1-148, *Portland Me.*, 1887.
- Picturesque account of the wreck of the "Rainier" on a reef in the Marshalls. Includes very few mentions of plants. Unimportant. LC: DU710.H8.
- Hutchinson, G. E.
Survey of contemporary knowledge of biogeochemistry. 3. The biogeochemistry of vertebrate excretion.
Bull. Am. Mus. Nat. Hist. 96: 1-554, 1950.
A comprehensive geological treatment of guano and phosphate occurrence throughout the world, including a summary of most of the information on this subject for the Micronesian Islands where phosphate is known; has short descriptions of the vegetation on these islands.
- Ibáñez y García, L. de
Historia de las Islas Marianas, y de las Carolinas, y Palao,
1-207, Granada, 1886.
History of the islands. Description of each of the Marianas, with superficial unimportant mentions of vegetation. Occasional mentions of plants, timbers, p. 218, no botanical names. Only a brief chapter on Palau. Author was governor of islands. NYPL: BIH.
- Imai, S. and Aizawa, T.
[A cultivated fungus in the tropics, *Volvaria bresadolae* Trott].
Kagaku Nanyō 5 (1): 55-61, 1942.
Not seen. Critical notes in Japanese.
- Imanishi, K.
[The Ponape Island.]
1-504, Tokyo, 1944.
In Japanese. Chapter 1: 1-222 is a biological and especially vegetational description. Not seen, abstract Hosok.
- [Logical discussions on the societies of living things.]
1-256, 1949.
In Japanese. Includes a description of the succession of mangrove forests in Ponape, pp. 194-198. Not seen, abstract, Hosok.
- Imazeki, R.
Studies on *Ganoderma* of Nippon.
Bull. Tokyo Sci. Mus. 1: 29-52, 1939.
In Japanese, with notes in English and an English resumé. Includes various Micronesian records for several species.
- Materials of the Micronesian higher fungi.

- Jour. Jap. Bot. 17: 175-184, 1941.
Introduction in Japanese followed by enumeration of 35 species, some of them new records, the others first described, from the Carolines.
- Im Thurn, E.
The western Pacific, its history and present condition.
Geogr. Jour. 34: 271-288, 1909.
The author was governor of Fiji from 1904.
Describes Ellice and Gilbert Islands on pp. 282 et seq., Ocean and Nauru on p. 284, very brief paragraph mentioning geological structures. Only mention of plants: Coconut and pandanus in the Gilberts where there is said to be very little native or introduced vegetation.
- [Indo, H.]
[Aquatic fungi from the South Sea].
Hakubutsu-gaku Zasshi 38: 86-91, 1941.
In Japanese, except for names of species in Roman type. Discusses three species from Micronesia, one described as new, the other undetermined.
- Inouye, R.
On the branching of some araliaceous plants with special references to the behaviour of the ramular trace bundles.
Jap. Jour. Bot. 11 (2): 193-212, 1941.
Anatomical study of various Araliaceae, some of which were collected in Micronesia.
- Iremonger, L.
It's a bigger life.
1-191, London, etc., [1948].
Popular account of life in Ellice Is., with visits to Ocean and Tarawa islands, with very scanty references to vegetation and an excellent pair of photographs of Tarawa before and after the war. LC: DU615.I 7.
- [Itakura, S.]
[Bamboo forest in the South Sea Islands].
Guntô no Sangyô [June 1932]: [23-26, 1932].
Information on bamboo varieties, native and introduced. Abstract Ashizawa.
- Ito, H.
[Polypodiaceae and Dryopteris sub-family].
Dai Nihon shokubutsu-shi [Record of Japanese Botany] 4: 1-254, 1938 a.
Not seen.
- Jour. Jap. Bot. 14: 731-733, 1938 b.
Text in Japanese. Includes a list of 14 species of ferns, new records for Micronesia (Carolines and Marianas). Tr. Takeda.
- Ito, H.
Humata trukensis, H. Ito.
Nakai Icon. 4 (2): 373-377, 1941.
Original description of a new species from Truk.
- Jablonszky, E.
Euphorbiaceae-Phyllanthoideae-Brideliaceae.
Pflr. 65 (IV. 147. viii): 1-98, 1915.
Monographic. *Cleistanthus carolinianus* described on p. 40, from Palau.
- Jackson, B. D.
Index Kewensis.
1: 1-1268, Oxford, 1893; 2: 1-1299, 1895; Suppl. 1 (1886-1895): 1-519, 1901-06; 2 (1896-1900): 1-204, 1904; 3 (1901-1905): 1-193, 1908; 4 (1906-1910): 1-252, 1913; 5 (1911-1915): 1-277, 1921; 6 (1916-1920): 1-222, 1926; 7 (1921-1925): 1-260, 1929; 8 (1926-1930): 1-256, 1933; 9 (1931-1935): 1-305, 1938; 10 (1936-1940): 1-251, 1947.
Alphabetical index containing citations to the original places of publication of all species of phanerogams, begun under the direction of B. D. Jackson, supplements by B. D. Jackson and T. Durand, W. T. Thiselton-Dyer, D. Prain, and A. W. Hill. LC: QK11.I4.
- James,
Capt. James' report of the cruise of the Morning Star.
Friend 21: 37-38, 1864.
Includes note on an unexplained cataclysm observed on Providence I. (Ujelang), and mention of plants.
- [Japanese Government].
Annual report to the League of Nations on the Administration of the South Sea Islands under Japanese Mandate.
Tokyo, 1923 to 1938.
Each report contains a summary of meteorology, agriculture, forestry, establishment and work of experiment stations; includes random notes on economic plants, and statistics on acreage and production of important ones. LC: DU29.J35.
- Jatta, A. da
Licheni esotici dell'Erbario Levier raccolti nell'Asia Meridionale e nell'Oceania.
Malpighia 17: 3-15, 1903; 19: 163-186, 1905.
Systematic account containing, p. II, Pammaria
- Nuntia de filicibus Japonensibus X.

- pannosa, and, p. 15, *Leptogium caesium* from Ascension Island, Carolines (Ponape), both collected by Parkinson.
- Jenkins, A. E. and Viégas, A. P.
Stem and foliage scab of sweet potato (*Ipomoea batatas*).
Jour. Wash. Acad. Sci. 33: 244-249, 1943.
Range of this fungus disease includes Guam.
- Johnstone, D. B.
Soil actinomycetes of Bikini Atoll with special reference to their antagonistic properties.
Soil Sci. 64: 453-458, 1947.
Several actinomycetes, bacteria and fungi are reported and their habitats discussed, from Bikini and Rongelap.
- Johnstone, D. B. and Waksman, S. A.
Streptomycin II, an antibiotic substance produced by a new species of *Streptomyces*.
Proc. Soc. Exp. Biol. Med. 65: 294-295, 1947.
Streptomyces bikiniensis described from Bikini Atoll.
- Joaker, F.
A monograph of the Burmanniaceae.
Med. Bot. Mus. Univ. Utrecht 51: 1-279, 1938.
Systematic account of family, including *Gymnosiphon papuanus* from Palau, p. 174, *Burmannia coelestis* from the Carolines, p. 120, *B. ledermanni*, sp. nov., from Palau, p. 126.
- Jung, E.
Die Insel Mapia.
D. Kol. Zeit. 16: 380, 1899.
"On the coral reef are three flat, well forested islets and two sandbanks covered with grass and bushes." Purely geographic-historic treatment, apart from this citation.
- Jung, K. E.
Mikronesien: in, Die Weltteil Australien IV: 238-264, Leipzig, 1883.
Brief general description of the islands, with mentions of plants. The author was inspector of schools in "Südaustralien", but there is no evidence that he visited Micronesia. LC: DU23. J8.
- Jungmichel,
De St. Davids- of Mapia-ellanden, benoorden Nieuw-Guinea.
Tijdschr. Ind. Taal-, Land- en Volk. IV, 2: 155-156, 1862.
- Includes brief description of *Mapia* mentioning presence of coconut and breadfruit trees.
- Kanda, C.
[Notes on Halimeda].
Kagaku Nanyō 3 (1): 20-26, 1940 a.
Morphological study. Abstract, original not seen.
- [Valonia in Palau].
Kagaku Nanyō 3 (2): 107-116, 1940 b.
Not seen.
- [Marine algae from the Gerbergail channel].
Kagaku Nanyō 5 (1): 144-150, 1942.
Not seen.
- Ecological studies on marine algae from Kororu and adjacent islands in the South Sea Islands. Palao... Studies 2: 733-800, 1944.
List of algae. Description of associations and formations of algal vegetation in different stations in Iwaysama Bay. Seasonal variation observed for some species. Table summarizes results. Important bibliography.
- Kanehira, R.
[Forests of the South Seas occupied islands].
Formosan Agr. Rev. 103: 17-21 (713-717), 1915.
In Japanese. General account, with comparison of forests in the different groups. Enumeration of main species, with special notes on useful ones. A word on vegetation. Tr.
- [Forests and plants of the South Seas occupied islands].
Dai Nihon Sanrin Kaihō [Jap. Forestry Am.] 394: 18-32; 1915; 395: 1-17, 1915; 401: 54-61, 1916.
A general sketch, in Japanese, of flora and vegetation, with lists of species and native names, notes on occurrence, partly, at least, compiled from other sources. Tr.
- [Three species of trees from the South Seas occupied islands].
Trans. Nat. Hist. Soc. Formosa 6(23): 43, 1916.
Elaeocarpus kanehirae Merr., *Eugenia ponapensis* Merr., both from Ponape, *Psychotria kanehirae* Merr., from Palau. The plants were collected by Kanehira, and sent to Merrill for identification. In Japanese, except for names.

Kanehira, R.

[Economic plants of the tropics].

1-736, index 1-62, Taipei, Formosa [1926?]

In Japanese. On pp. 21-40 of the index names are in English. On pp. 41-62, list of Latin names of species. Undated. Review in *Tropical Woods* 10: 53-61 1927, gives brief outline of each chapter. CY Forestry School: Ma 4a K13. 6.

An enumeration of woody plants collected in Micronesia, Japanese Mandate (in 1929 and 1930). *Bot. Mag. (Tokyo)* 45: 271-296, 327-352, 1931 a.

Important enumeration of plants collected by the author, includes several new species.

[Notes on the South Seas (Part. I). A word about *Artocarpus* sp.]

Sanrin [Forests] 588: 118-124, 1931 b.

In Japanese. Popular account of the uses of breadfruit in Kusaie and Ponape.

On the ligeneous flora of Micronesia, Japanese Mandate.

Nihon Ringaku Kaishi 13: 755-787, 1931 c.

Japanese text. Includes a general sketch, brief history of botanical exploration, brief note on vegetation, detailed consideration of the distribution of species and genera of woody plants, and phytogeographical discussion of the Micronesian Islands. Not seen, abstr. Hosok.

[Notes on my South Sea travels].

Sanrin [Forests] 601: 59-85, 1932 a.

In Japanese. Partly about Micronesia, popular account with mentions of plants.

The forest trees of Micronesia, Japanese Mandate. *Trop. Woods* 29: 1-6, 1932 b.

Brief notes on flora, types of vegetation, and lists of principal trees for the main islands.

New or noteworthy trees from Micronesia I.

Bot. Mag. (Tokyo) 46: 449-457, (II) 485-495, (III) 669-674, 1932; (IV) 47: 669-680, 1933; (V) 48: 116-130, (VI) 400-405, (VII) 730-736, (VIII) 919-927, 1934; (IX) 49: 60-68, (X) 103-114, (XI) 185-195, (XII) 271-279, (XIII) 352-358, (XIV) 425-431, (XV) 525-532, 1935; (XVI) 50:

520-525; (XVII) 541-549; (XVIII) 599-607, 1936; (XIX) 51: 906-913, 1937; (XX) 52: 236-241, 1938.

See Kanehira and Hatusima for the last numbers and annotation.

Kanehira, R.

Flora Micronesica.

1-468, Tokyo, 1933 a.

General flora of woody plants, in Japanese, but with botanical names in Roman type, and with many illustrations. Smi: 581. 9965 K165.

[A light soft timber which has become established in the Carolines].

Nihon Ringaku Kaishi 15 (10): 905-908, 1933 b.

Not seen.

[A botanical excursion to the northern Marianas Islands].

Bot. and Zool. 2: 913-922, 1934 a.

In Japanese except for Latin names of plants. Rambling account of a trip to the northern Marianas in the summer of 1933. Description of vegetation and notes on plants, for several of the islands, with some new records. Some of the photographs show vegetation. Tr.

[Woody plants of the Marianas].

Nihon Ringaku Kaishi 16 (6): 439-441, 1934 b.

Not seen. Tr. Takeda.

An enumeration of Micronesian plants.

Jour. Dept. Agr. Kyushu Univ. 4: 237-464, 1935 a.

Historical account of collections with bibliography, including a list of collections of author and his associates from 1929 on; systematic list of plants with geographic distribution; index.

On the distribution of *Pandanus* and the geographic relationships of the Micronesian species.

Bull. Biogeogr. Soc. Japan 6: 11-18, 1935 b.

Phytogeographic account of the genus with list of Micronesian species with their distribution and native names.

Plantae novae Micronesicae.

Trans. Nat. Hist. Soc. Formosa 25: 1-10, 1935 c.
19 species listed, either new, or new records for

Micronesia.

Kanehira, R.

Plants of the Southern Sea Islands.

Nat. Sci. and Mus. 6 (5): 15-16, 1935 d.

In Japanese, with a list of plants described by author, with collection numbers of types and cotypes. Tr. Takeda.

On the flora of Micronesia.

Bull. Biogeogr. Soc. Japan 5: 233-262, 1935 e.

Pp. 260-262, English summary. The Japanese text includes long tables showing the distribution of species in Micronesia in Roman type. Discussion of relationships of Micronesian flora. The photos show vegetation.

[Forests of Rota].

Bot. and Zool. 4: 63-70, 1936 a.

In Japanese. Account of a trip in 1935. Includes notes on vegetation and phytogeography, with lists of species comparing the flora to those of Saipan and Guam. Tr.

On the Micronesian Pandanus I.

Jour. Jap. Bot. 12: 495-501, (II) 545-554, 1936 b.

Important monograph, including notes on uses, lists of species, with new records and descriptions of several new species. Paragraph on distribution with a table. Numerous photographs. In Japanese. Tr.

Palmae Micronesicae I.

Jour. Jap. Bot. 12: 634-640, (II) 729-734, 1936 c.

In Japanese with English notes. Descriptions in Latin. Enumeration of Micronesian palms, with new records and description of a new species, *Pinnanga micronesica*, p. 635, from Palau. Tr.

Icones Pandanorum Micronesicorum I.

Jour. Jap. Bot. 12: 783-792, 1936; (II) 13: 322-331, 1937; (III) 14: 170-177, 1938.

Discusses a number of species of Pandanus, with many illustrations. English introductions and descriptions, the rest in Japanese.

[An account of a trip to the South Seas].

Sanrin 657: 94-101; 658: 71-75; 659: 76-81;

660: 81-87, 661: 73-79, 1937.

Narrative of a trip to Palau, Yap, Truk, Ponape, some of the Caroline atolls and New Guinea. Includes incidental mentions of vegetation and plants. Tr. Takeda.

Kanehira, R.

On the genus *Sonneratia* in Japan.

Jour. Jap. Bot. 14: 421-424, 1938 a.

The Micronesian *Sonneratia* is not *S. caseolaris*, but *S. alba* (Ponape, Truk).

On the Micronesian species of *Cycas*.

Jour. Jap. Bot. 14: 579-588, 1938 b.

English text, pp. 586-588. Discusses *Cycas* species recorded from the Marianas and western Carolines, and gives two new names: *Cycas rumphii* f. *undulata*, comb. nov., (Marianas and Yap), and *C. rumphii* f. *palauica*, f. nov., from Palau, p. 582.

On "Ais", *Parinarium glaberrimum* Hassk.

Jour. Jap. Bot. 16: 471-475, 1940 a.

Mentions *P. glaberrimum* from the high Carolines (it is not found on Jaluit or in the Marianas), *P. palauense* only from Palau. In Japanese except for Latin names.

On the phytogeography of Micronesia.

Proc. 6th Pac. Sci. Cong. 4: 595-611, 1940 b.

Discusses the floristic elements of the Micronesian flora, their relationships and composition; presents a table of genera with their Micronesian occurrence and that in neighboring regions.

A summary of our knowledge of Papuan Pandanus.

Bot. Mag. (Tokyo) 54: 249-260, 1940 c.

Mentions *P. carolinianus* Martelli from Yap, p. 249.

[Condition of the South Sea Islands].

Nanyô chô [South Sea Gvt.], Palau, 1941.

Not seen.

Kanehira, R., and Hatusima, S.

An enumeration of plants collected in the Territory of New Guinea, Australian Mandate. II.

Bot. Mag. (Tokyo) 52: 409-416, 1938; (III) 53: 8-16, 1939.

II. Mentions, from Micronesia, *Lophopyxis*

pentaptera, *Flacourtia inermis*, and *Terminalia littoralis*, reducing *T. saffordii* to synonymy under *T. littoralis*. III. Mentions *Pandanus tetrodon* (Gaud.) Balf. f. from Micronesia, p. 14.

Kanehira, R. and Hatusima, S.

New or noteworthy trees from Micronesia.

Bot. Mag. (Tokyo) (XXI) 53: 151-157, (XXII) 189-193, 1939; (XXIII) 54: 433-437, 1940.

Continuation of Kanehira, 1932-38. Describes, annotates, and illustrates many species, some of them new, in various families.

Karig, W.

The fortunate islands.

1-226, N. Y., 1948.

A highly popular, superficial and not too accurate account of Micronesia, with only casual mention of plants, but with some excellent photographs, many showing vegetation. LC: DU500.K3.

Kariyone, T.

The mangroves in the South-Sea Islands.

Jour. Jap. Bot. 4: 116-120, 1927 a.

In Japanese. Includes description of mangrove vegetation in Ponape and Truk (others mentioned) and description of six mangrove species, plus *Nipa*. Tr.

[A report of the investigation of drug plants in the Ponape]: in, [South Sea Government] 1927: 550-579, 1927 b.

Japanese text: description of native drug plants and cultivation of economically useful drug plants, enumeration of useful plants of Ponape, and a list of plants of Ponape in addition to Kawagoe's list. Not seen, abstr. Hosok.

[Kasahara, K.]

[Elements of quality of copra].

Guntô no Sangyô [Sept. 1934]: [17-30, 1934].

Discusses various qualities of copra. Abstract Ashizawa.

[Study of pitcher plant insect traps].

Guntô no Sangyô 5 (10): 19-27, 1935.

Not seen.

[The lumber of Palau].

Guntô no Sangyô 6: 1-3, 1936.

Not seen.

Katô, G.

[The growth of *Oreodoxa regia* HBK.].

Kagaku Nanyô 2 (3): 50-51, 1940.

Records of leaf-fall and rate of growth. Abstract, original not seen.

Kaucher, D.

Wings over Wake.

1-158, San Francisco, 1947.

Very superficial popular account, mostly of Wake I., but some mention of Guam; many excellent photographs, some showing vegetation. LC: DU950. W28 K38.

Kaulfuss, G. F.

Enumeratio Filicum, quas in itinere circa terram legit Cl. Adalbertus de Chamisso adjectis in omnia harum plantarum genera permultasque species non satis cognitae vel novas animadversionibus.

1-300, Lipsiae [Leipzig], 1824.

Enumeration of plants collected by Chamisso with discussions, and descriptions of new species. Includes Micronesian plants, e.g. *Acrostichum aureum*, p. 65, from Guam. DA: 461.2 K16 E.

Kawagoe, S.

[Account of a botanical survey in the newly-occupied South Sea Islands].

Kagoshima Kôitô Nôrin Gakkô Kôyûkai-hô 4: 29-44, 1915.

Not seen.

[Names of useful plants in the newly-occupied South Sea Islands].

Kagoshima, 1916 a (mimeographed).

Not seen.

[-----]

[Report on the botanical investigation of the South Sea Islands]: in, [Department of Education...], [Report....], 136-191, Tokyo, 1916 b.

The author visited Truk, Ponape, Kusaie, Jaluit, Angaur, Palau, Yap and Saipan in 1914-15. Gives lists of indigenous and cultivated plants for these islands, with short annotation. Abstract Takeda.

Kagawoe, S.

[Drug plants of the South Sea Islands].

Rigaku-kai 14: 11-12; 15: 1, 1917.

Not seen.

Observations on the flora of the South Sea Islands I. Bull. Kagoshima Coll. Agr. For. 3: 117-190, 1919.

Further study of Kawagoe's Micronesian collections (see Kawagoe, 1916 b). Systematic annotated enumeration of plants from Simarubaceae to Sapotaceae, with references to important literature, and descriptions of known or unknown species considered important by the author. Title in English in table of contents. Date on cover 1918, but in Japanese part, date given as Dec. 15, 1919. Abstract Takeda.

Kawagoe, S.

[A report of the botanical research to the South Sea Islands] (Shin senryō Nanyō shō Shokubutu chōsa hokoku-shō).

[South Sea Government] 1927: 138-201, 1927.

In Japanese. An enumeration, with brief economical notes, of the plants collected by the author in Truk, pp. 139-148, Ponape, pp. 148-159, Lele of Kusaie, pp. 159-164, Jaluit, pp. 165-171, Angaur, pp. 171-177, Palau, pp. 178-189, Yap, pp. 189-195, Saipan, pp. 195-201. Not seen, abstract Hosokawa.

Kawaguti, S.

[*Corculum cardisa* (L.) and *Zooxanthella*].

Kagaku Nanyō 3 (3): 45-46, 1941.

Describes location of *Zooxanthella* in this bivalve. Abstract, original not seen.

[Reef-building corals].

Kagaku Nanyō 5 (1): 95-106, 1942.

Not seen.

Kayser, P. A.

Das Pandanus auf Nauru.

Anthropos 29: 775-791, 1934.

Discusses uses of the different parts of the plants, with native names. Mentions that Pandanus is more ancient than coconuts on the island, the old people remembering the time when the island was covered with Pandanus forests and Pandanus groves on the shore.

Keate, G.

An account of the Pelew Islands.

1-378. London, 1788 (ed. 2; ed. 1 not seen).

Account of the wreck of the Antelope (Aug. 1783) and the adventures of Captain H. Wilson and his crew. Picturesque account, with mentions of food plants, and hardly any description of the island. Author states that their purpose was to get away; not make scientific observations. A few panoramic sketches of various sections, sketch-map of Oroolong. Native vocabulary. LC: DU780.K26.

Keisler, K.

Systematische Untersuchungen über Flechtenparasiten und lichenoiden Pilze V.

Ann. Naturhist. Hofmus. Wien 41: 157-170, 1927.

Chlorocyphella aeruginascens var. *staurospora* var. nov. described from the Marianas on p. 162, (MacGregor plants of Guam no. 620). In thallus of *Sporopodium exiguillus*.

Kirchhoff, A.

Streifzüge durch den Karolinen-Archipel.

Natur 48: 532-536, 1899 a.

A footnote on p. 532 says that the article is mostly written in close connection with the clear description of Franz Henssler's trip published under the title "Südsee-Erinnerungen" (See Henssler, 1883). Mentions Palau, Yap, Ponape, Kusaie. Includes superficial mentions of vegetation and useful plants.

Umriss zu einer Landeskunde der Karolinen.

Geogr. Zeitschr. 5: 545-562, 1899 b.

Not original. General treatment, including geography, climate, plants, a word on vegetation, etc.

Kijamura, S.

Compositae of Micronesia.

Act. Phytotax. Geobot. 10: 70-74, 1941.

Studies of many species, with new records from Micronesia. Tr.

Kittlitz, F. H. von

Ueber einige noch unbeschriebene Vögel von der Insel Luzon, den Carolinen und den Marianen.

Mém. Acad. Imp. St. Petersbourg Savants Étrangers 2: 1-9, 1835.

Mentions a few plants as birds' habitats or food.

Vierundzwanzig Vegetations-Ansichten von Küstenländern und Inseln des Stillen Oceans aufgenommen in den Jahren 1827-29 auf der Entdeckungreise des Russischen Corvette "Senjawin" unter Capt. Lütke. 1-68, Wiesbaden, 1844-1845.

See Kittlitz, 1861.

Denkwürdigkeiten einer Reise nach dem russischen Amerika, nach Mikronesien und durch Kamtschatka. 1: 1-383; 2: 1-463, Gotha, 1858.

Vol. 1, pp. 347 et seq., and 2, pp. 1-163, 416-419, include account of Micronesia. Important book. Kittlitz was collecting animals, but

was accompanied most of the time by the botanist Mertens; the book offers many descriptions of vegetation, and many names of plants, scattered throughout the account of the expedition. LC: G480.K62.

Kitlitz, F. H. von

Twenty-four views of the vegetation of the coasts and islands of the Pacific.
1-68, London, 1861.

Translated from the German edition by B. C. Seemann, and annotated. Plates 5 to 13, with their accompanying descriptions refer to Micronesia. The descriptions are valuable, often transcribed from Kitlitz, 1858. LC: QK909. K62, rare books.

Klingman, L. and Green, G.

His Majesty O'Keefe.
1-356, N. Y., 1950.

Fascinating, well-written historical novel based on the life of David O'Keefe, mainly about Yap, but with information on Nauru, Palau, Ulithi, Sonsorol, Mapia, and other islands, including casual mentions of plants, vegetation, etc.; important in its historical information, seemingly written with scrupulous attention to accuracy. LC: PZ3.K6875 H1.

Knappa,

Religiöses Anschauungen der Marshall Insulaner.
Mitt. deutsch. Schutzgeb. 1: 63-81, 1886.

Ethnological, but with information on religious beliefs concerning plants, with records of several species from specific atolls.

Kneucker, A.

Bemerkungen zu den "Gramineae exsiccatae".
Allg. Bot. Zeitschr. 21: 126-128, 1915.

List of notes on Gramineae, with discussions. *Bambusa glaucescens* reported from Guam as introduced, p. 126. This is a part of a series which started in 1900.

Knuth, R.

Dioscoreaceae.
Pflr. 87 (IV. 43): 1-387, 1924.

Monographic, includes several species from Micronesia.

Oxalidaceae.

Pflr. 95 (IV. 130): 1-481, 1930.

Monographic, includes three species from Micronesia.

Knuth, R.

Barringtoniaceae.
Pflr. 105 (IV. 219): 1-82, 1939.

Monographic, includes *Barringtonia asiatica* from Guam and Jaluit, p. 12, *B. racemosa* from the Marianas, Palau, Carolines, p. 18, *B. samoensis* from Palau, p. 26.

Kobayashi, Y.

History of the investigations on the fungous flora of Micronesia and the Bonin Islands.
Jour. Jap. Bot. 13: 95-104, 1937 a.

In Japanese, except for names of plants and authors. Gives a list of collectors and species found for several groups of islands treated separately: Marshalls, Carolines, Marianas, Bonins. Tr. Takeda.

Several luminous Mycomycetes from Bonin Islands.
Bull. Biogeogr. Soc. Japan 7: 1-10, 1937 b.
Reports *Mycena cyanophos* from Ponape.

Pacific regions as the center of distribution of Gasteromycetes.
Jour. Jap. Bot. 13: 804-808, 1937 c.

Includes mentions of Micronesian species: *Echinophallus*, pp. 805, 806, and *Janasia*, p. 806. In Japanese with Latin and place names in Roman type.

Fungi Austro-Japoniae et Micronesiae I.
Bot. Mag. (Tokyo) 51: 749-758, 776-778; (II) 797-804, 1937; (III) 53: 158-162, 1939.

Notes on fungi, most of them new species, from Japan and the Micronesian groups. Pp. 776-778 in Japanese, same text as pp. 749-758.

[A trip to the South Seas, seeking for luminous fungi].

Kagaku Nanyō 1 (3): 41-44, 1939 a.

Several species were found in 1937, but not identified when the article was written. Abstract. Original not seen.

On the *Dacrymyces*-group (*Fungorum ordinis Tremellarium studia monographica* III).
Sci. Rep. Tokyo Bunrika Daigaku B, 4: 105-128, 1939 b.

Systematic, includes *Dacrymyces roseotinctus* from Palau, p. 120.

Kobayashi, Y.

On the genera *Femsonia*, *Guepinia* and *Calocera* from Japan (Fungorum ordinis Tremellarium studia monographica IV).

Sci. Rep. Tokyo Bunrika Daigaku B. 5: 215-227, 1939 c.

Monographic, includes *Guepinia fissa* from Palau, p. 220.

A luminous fungus newly found in Japan.

Bull. Nat. Sci. Mus. 26: 13-19, 1949.

Japanese with English summary; reports *Myce-
na cyanophos* from Palau and Ponape, mentions
also *M. yapensis*.

Kobuski, C. L.

Studies in Theaceae. III. *Eurya* subgenera
Euryodes and *Penteurya*.

Ann. Missouri Bot. Gard. 25: 299-359, 1938.

The plant usually referred to *E. japonica* in
the Carolines and Marianas is considered to be *E.
nitida*, pp. 310-314.

Kodaira, M.

Ground-water of the Tinian Island, South Sea
Islands under Japanese Mandate.

Jubilee Publication in the Commemoration of
Pr. H. Yabe M. I. A. Sixtieth Birthday 2:
725-734, 1941.

Pp. 733-734, English summary says that there
are nine under-ground water courses in Tinian.
Non-botanical. GS.

Koehne, E.

Lythraceae.

Pflr. 17 (IV. 216): 1-326, 1903.

Monographic, includes *Pemphis acidula* from
Micronesia, p. 185.

Köppen, W. and Geiger, R.

Handbuch der Klimatologie.

5 vols., Berlin, 1930-1939 (of vol. 5 apparent-
ly only part X published).

Comprehensive treatment of climatology, with
summaries of available data for all parts of the
world: in vol. 4 are sections on the Pacific Is-
lands. The parts are by various authors. See
Schott, 1938. NYPL: PRB.

Koidzumi, G.

The vegetation of Jaluit Island.

Bot. Mag. (Tokyo) 29: 242-257, 1915.

Notes on vegetation, with a list of plants.

Koidzumi, G.

Plantae novae Micronesicae I.

Bot. Mag. (Tokyo) 30: 400-403, 1916; (II) 31:
232-233, 1917.

Description of nine new species from Palau,
Ponape and the Marianas.

[Plants of Jaluit].

Rigaku-kai 15 (1): 14-17, 1917 a.

Not seen.

[The big button palm which produces the ivory nut].

Jour. Jap. Bot. 1: 140-143, 1917 b.

In Japanese, with species names in Roman type.
Includes notes on distribution of genus *Coelococcus*
discussion of synonymy of *C. carolinensis* Dingl.,
description of the palm. Recorded from Truk and
Ponape. Tr. Takeda.

[-----]

[Phytogeography of the island of Jaluit]: in,
[Department of Education...], [Supplement to
the Report...], 105-116, Tokyo, 1917 c.

Account of a trip throughout Micronesia in 1915.
History of botanical exploration, description of
geography, notes on ecological and floristic geo-
graphy; list of indigenous and cultivated plants.
Abstract Takeda.

Contributiones ad cognitionem florae Asiae Orienta-
lis.

Bot. Mag. (Tokyo) 37: 37-59, 1923.

Includes *Bleekeria marianensis* (*Ochrosia*) from
Guam, p. 52.

On the phytogeography of the Jaluit (Jaluit-to Syo-
kubututiri).

South Sea Government 1927: 383-396, 1927.

Japanese text. Plant sociology and plant geogra-
phy, with enumeration of the plants collected by
the author in Jaluit. Not seen, abstract Hosok.

[Note on *Ryssopterys dealbata* Juss.].

Act. Phytotax. Geobot. 11: 229, 1942.

In Japanese. Reported from Truk, Palau. Tr.

Koster, J. T.

The Compositae of the Malay Archipelago. I.
Vernoniaeae and Eupatorieae.

Blumea 1: 351-536, 1935.

Micronesian occurrences listed for a number of species.

Kotzebue, O. von

A voyage of discovery into the South Sea and Bering's Straits for the purpose of exploring a north-east passage

3 vols., London, 1821 (translated from the 1st edition by H. E. Lloyd).

Vol. 2 includes relation of voyage in Radack and Marianas archipelagoes, often inexact and almost devoid of descriptions of islands. The most interesting data are to be found in vol. 3, see Chamisso, 1821. This is the trip of the Rurik (1815-1818) called Romanzoff expedition. LC: G420.K81.

Entdeckungsreise in die Südsee und nach der Berings-Strasse zur Erforschung einer nordöstlichen Durchfahrt

3 vols., Vienna, 1825 new ed. (1st ed. not seen, 1821).

See annotation to Kotzebue, 1821. LC: G420.K77.

A new voyage round the world in the years 1823, 24, 25 and 26.

1: 1-341; 2: 1-362, London, 1830.

This is Kotzebue's second voyage, on the "Predpriatie" or "Enterprise". Travelled through the Marshalls, 1: 291-341 and 2: 267 et seq., and past the Marianas, pp. 281 et seq. The account is superficial and inaccurate. A map gives the courses of both the Rurik and the Enterprise in the Radack chain. Interesting in this connection only. LC: G420.K87.

Krämer, A.

Nauru.

Globus 74: 153-158, 1898.

Descriptive. Plants mentioned: Cocos nucifera, Calophyllum [Inophyllum?], Hibiscus [tiliaceus]. Highest point on island given as 60 m.

Die Gewinnung und die Zubereitung der Nahrung auf den Ralik-Ratak Inseln (Marshall Inseln).

Globus 88: 140-146, 1905.

Includes notes on names and uses of economic plants.

Krämer, A.

Hawaii, Ostmikronesien und Samoa.

1-585, Stuttgart, 1906.

Account of the author's second trip to the Pacific with descriptions, notes on ethnology, etc. Includes Marshalls, Gilberts, Nauru, pp. 194-457. Only a few mentions of plants. LC: DU22.K75.

Studienreise nach den Zentral- und Westkarolinen. Mitt. deutsch. Schutzgeb. 21: 169-186, 1908.

Geographical and ethnological. Includes notes on the vegetation of Truk, p. 171, Palau, pp. 181 et seq. Some large maps.

Palau: in G. Thilenius, Erg. Süds. Exp. II B 3, 1: 1-252, 1917; 2: 1-367, 1919; 3: 1-362, 1926; 4: 1-376, 1929; 5: 1-158 plus index, 1929.

Vol. 1 includes history of discovery and geography, with mentions of vegetation. Many good pictures. Vol. 2 has descriptions of islands, and land divisions, very few mentions of vegetation. Vol. 3 includes food plants. Vol. 4 non-botanical, except for important index, pp. 304 et seq., listing plants with native, Latin and German names. Vol. 5 non-botanical.

Die Entstehung und Besiedelung der Koralleninseln. 1-53, Stuttgart, 1927.

Contains several photographs showing vegetation and typhoon damage on several of the Caroline atolls. Mainly geological. LC: QE 565.K78.

Der Taro und die Nasskultur.

Petermanns Mitt. 74: 165-172, 1928.

A study of swamp-culture of different taros. The citations from the literature include several for Micronesia. Krämer cites also his own observations on Truk, with discussion of botanical equivalents for native names.

Truk: in, G. Thilenius, Erg. Süds. Exp. II B 5: 1-452, 1932.

Detailed geographical description contains a few mentions of vegetation. List of flora in appendix, with native, German and Latin names. Other plants mentioned in chapter on foods.

Inseln um Truk (Centralkarolinen Ost, Lukunór, Námoluk, Lósap, Nama, Lémárafat, Namonuito,

- Pollap-Tamatam): in, G. Thilenius, Erg. Süds. Exp. II B 6, 1: 1-291, 1935.
The geographical and economical sections for each group include a few notes on vegetation, flora and useful plants. LC: GN662.T5.
- Krämer, A.
Zentralkarolinen I (Lamotrek Gruppe, Oleai, Feia): in, G. Thilenius, Erg. Süds. Exp. II B 10, 1: 1-413, 1937.
The geographical descriptions include mentions of vegetation and plants. Also mentioned are some food plants.
- Krämer, A. und Nevermann, H.
Ralik-Ratak (Marshall-Inseln): in, G. Thilenius, Erg. Süds. Exp. II B 11: 1-304, 1938.
Mentions of vegetation and plants in the geographical descriptions of islands and groups. Food plants listed in parts on foods.
- [Kraemer, J. H.]
Native woods for construction purposes in the western Pacific region.
Preliminary ed. 1-197, Washington, May 1944; rev. ed. 1-382, Sept. 1944.
Published by Bureau of Yards and Docks, Navy Dept. The informative discussion of tropical trees includes many which occur in Micronesia. Smi. 582. 16 U58.
- Trees of the western Pacific region.
1-436, West Lafayette, Ind., 1951.
See Kraemer, 1944. LC: QK490.S6 K7.
- Krasser, F.
Zur Kenntnis des *Lycopodium cernuum* Aut.
Verh. K. K. Zool. Bot. Ges. Wien 48: 688-693, 1898.
L. marianum mentioned from the Philippines, *L. capillaceum* from the Marianas, p. 692.
- Krause, K.
Goodeniaceae.
Pflr. 54 (IV, 277): 1-207, 1912.
Monographic, includes *Scaevola frutescens*, p. 125, from Micronesia.
- Kubary, J. S.
Die Lagune von Ebon, nach brieflichen Mitteilungen von J. Kubary, bearbeitet von Dr. E. Gräffe.
Jour. Mus. Godeffroy 1: 33-47, 1873 a.
See Gräffe, E., 1873.
- Kubary, J. S.
Die Palau-Inseln in den Südsee.
Jour. Mus. Godeffroy 4: 1-62 (177-236), 1873 b.
General study of the islands, with a few mentions of vegetation in the geographical part, p. 32 (208), and discussion of foods, including description of various preserves made with "coconut bloom syrup" and various fruits, pp. 60-61 (236-237).
- Kubary, J. S. [Krause, ed.]
Ein Beitrag zur Kenntnis der Ruk Inseln.
Mitt. Geogr. Ges. Hamburg 1887-1888 (1): 53-63, 1888.
General description of the group, and of individual islands. Climate, p. 54, paragraph on vegetation, pp. 53-54.
- Kubary, J. S.
Ethnographische Beiträge zur Kenntnis des Karolinen-Archipels.
1-306, Leiden, 1895.
Native culture of several islands mentioned. Plants are mentioned for their uses. List of food plants, p. 170, with uses and native names. Native agriculture, p. 156, mostly about taro. LC: GN671.C3 K9.
- Beitrag zur Kenntnis der Nukuoro- oder Monte Verde-Inseln (Karolinen-Archipel).
Mitt. Geogr. Ges. Hamburg 16: 71-138, 1900.
Mostly ethnological, not even a description of the island. A few plants mentioned on p. 75. All islands have coconuts, only Nukuoro proper is inhabited. Eastern islands have many breadfruit, Pandanus, Arum macrorhizon, bananas, Curcuma, Barringtonia speciosa, Hibiscus populneus, Thespesia tiliacea (sic).
- Kükenthal, G.
Cyperaceae-Caricoideae.
Pflr. 38 (IV, 20): 1-824, 1909.
Monographic, includes *Carex fuirenoides* from the Marianas, and *C. densiflora* (reduced to *C. fuirenoides*).
- Beiträge zur Cyperaceenflora von Mikronesien: in, Diels, 1924.
Bot. Jahrb. 59: 2-10, 1924.
Records 48 species, from several collections, from all island groups; one new species.

Kükenthal, G.

Cyperaceae-Scirpoideae-Cypereae.

Pflr. 101 (IV. 20): 1-671, 1935-1936.

Monographic, includes several species of *Cyperus* from Micronesia, e. g. *C. rotundus* from Jaluit, p. 111, *C. zollingeri* from Palau, p. 134, etc.

Vorarbeiten zu einer Monographie der Rhynchosporoideae.

Repert. Sp. Nov. 44: 1-32, 65-101, 161-195, 1938; 46: 13-32, 65-76, 1939; 47: 101-119, 209-216, 1939; 48: 49-72, 195-250, 1940.

Monographic, with description of many new species; includes several Micronesian references.

Kützing, F. T.

Diagnosen einiger neuen ausländischen Algen-species, welche sich in der Sammlung des Herrn Kammerdirectors Klenze in Laubach befinden. Flora 30: 773-776, 1847.

Description of 18 new species, one, *Hydracanthus fistulosus*, (new genus), from the Marianas.

Kumagaya, H.

[A trip to the South Seas].

Hyōgo-ken Chūtō kyōiku Hakubutsu-gaku Zasshi 6: 37-44, 1940.

Not seen.

Kunth, K. S.

Bemerkungen ueber Familie des Piperaceen.

Linnaea 13: 561-726, 1839.

Monographic. P. 574, *Piper marianum* is mentioned without locality. P. 575, *P. latifolium* Gaudich. mentioned from the Marianas. (See also Kunth 1840).

Observations sur la famille des Pipéracées.

Ann. Sci. Nat. II. Bot. 14: 173-220, 1840.

Reprinted, with omissions, from Linnaea 13: 561-726, 1839. *Piper latifolium* reported from the Marianas, *P. marianum* mentioned without locality.

Kurtz, Born, Martens, and Fritz,

Der Taifun in den West-Karolinen vom 26. bis 31. März 1907.

Ann. Hydrogr. 35: 501-505, 1907.

Observations of Kurtz, made from the "Planet", also quoting others, especially Born et al., 1907 (which see), Krämer, etc. Includes mentions of destruction of vegetation on Truk and Ulithi.

[Kusano, S.]

[Forests of the South Sea Islands]: in, [Department of Education...], [Supplement to the report...], 29-49, Tokyo, 1917.

Observations made in Micronesia in 1915; notes on mangrove-forest, lowland forest along the sea-coast and montane forests. General description, species present, uses, management, etc. Abstract Takeda.

Kusano, S.

[Forests of the South Seas].

Rigakushi Kyo [Scientific Survey] 7 (4): 332-336, 1921.

Not seen.

[On the forests of the South Sea Islands] (Nanyō shotō no shinrin).

[South Sea Government] 1927: 316-335, 1927.

Japanese text. A general text on the forests and economic uses of the woody species. Not seen, abstr. Hosok.

A most curious fungus, which looks like water-worn stones.

Jour. Jap. Bot. 5: 214-216, 1928.

In Japanese. Species concerned is *Lentinus tuber-regium* from Ponape (forest on Mount Torokoru). Tr. Takeda.

Lackowitz, W., ed.

Botanische Anstalten, Vereine, Tauschvereine, Exsiccatenwerke, Reisen....

Allgem. Bot. Zeitschr. 10: 59-61, 1904.

Contains the summary of a talk by Volkens on the vegetation of the Marianas, p. 61 (see Volkens, 1904).

Ladd, H. S., Tracey, J. I., Jr., Wells, J. W., and Emery, K. O.

Organic growth and sedimentation on an atoll.

Jour. Geol. 58: 410-425, 1950.

Geological account, but contains important data on occurrence and function in reef-building of calcareous algae, as well as surface features of Bikini Atoll.

Lam, H. J.

The Verbenaceae of the Malayan Archipelago, together with those from the Malayan Peninsula, the Philippines, the Bismarck Archipelago and the Palau, Marianne and Caroline islands.

1-370, Groningen, 1919.

Monographic, including many species from Micronesia. LC: QK495.V48 L3, 1919.

Lam, H. J.

Die Verbenaceae von Mikronesien: in, Diels, 1924.

Bot. Jahrb. 59: 24-29, 1924.

Systematic notes on many species, with records of different collections from the Marianas and Carolines.

The Burseraceae of the Malay Archipelago and Peninsula, with annotations concerning extra-Malayan species, especially of *Dacryodes*, *Santiria* and *Canarium*.

Bull. Jard. Bot. Buitenzorg III, 12: 281-561, 1932.

Monographic. Includes at least one Micronesian reference, *Canarium commune*, reported as cultivated in Ponape (Carolines), p. 513.

Some notes on the distribution of the Sapotaceae of the Pacific region.

Proc. 6th Pac. Sci. Cong. 4: 673-683, 1940.

Micronesian species included in maps and notes; discussion of distribution and relationships of the species.

A tentative list of wild Pacific Sapotaceae, except those from New Caledonia.

Blumea 5: 1-46, 1942.

Includes some species from the Marianas and Carolines.

Contributions to our knowledge of the flora of Celebes (coll. C. Méné de Froideville) and of some other Malaysian Islands.

Blumea 5: 554-599, 1945 a.

Systematic. Some of the plants studied are recorded from Micronesia, e. g. *Polypodium enerve* from the Marianas.

Notes on the historical phytogeography of Celebes.

Blumea 5: 600-640, 1945 b.

Discusses the relations of Celebes flora to those of neighboring lands. Among plants of "anomalous areas", mentions *Medinilla rosea* from the Marianas.

Lam, H. J., Maas Geesteranus, R. A. and Mesuse, B. D. J.

Note on the Sapotaceae-Mimusopoideae in general and on the far-eastern *Manilkara*-allies in particular.

Blumea 4: 323-358, 1941.

Systematic. Includes *Manilkara udoido* from Palau, p. 333, and *Northlopaia hoshinoi* from Ponape, p. 345.

Lamarck, J. B. de

Encyclopédie méthodique. Botanique,

1-8, Paris, 1783-1808; suppl. 1-5, Paris, 1810-1817.

Lamarck indicated as author in each volume, though Poiret took over from 1804 (vol. 5). Botanical cyclopedia, including mentions of Micronesian plants, some of them new (see next entry). LC: QK7.L2.

Encyclopédie méthodique.

1: 1-752, Paris, 1783.

Includes *Capparis cordifolia* from the Marianas, original description based on a Sonnerat specimen; p. 609.

Lamson-Scribner, F. L.

See Scribner.

Lane, I. E.

The orchids of Micronesia

1-67, Honolulu, 1950 (unpublished ms. of thesis deposited in University of Hawaii Library).

A partial taxonomic treatment, omitting the "division *Monopodiales* of the *Monandreae-Acrotinae-Acranthae-Duplicatae*", includes various new species, none of which of course may be considered published here. UH: RH378.H334 no. 128.

Lange, W. H., Jr.

Life history and feeding habits of the giant African snail of Saipan.

Pac. Sci. 4: 323-335, 1950.

On pp. 329-330 are lists of plants eaten by snail.

Langhans, P.

Beiträge zur Kenntnis des deutschen Schutzgebietes 12, b. Eniwetok- oder Brown-Inseln.

Petermanns Mitt. 44: 276, 1898.

A paragraph describing briefly the position and topography of Eniwetok.

[La Pérouse, J. F. de]

Voyage de La Pérouse autour du monde

4 vols., Paris, 1797.

La Pérouse sent his journal and observations to Paris shortly before his ships were lost. The material was edited by L. A. Millet-Mureau. Vol. 2 includes, pp. 307-311, account of Assomption I. (Marianas), mentioning occurrence of stunted coconut trees, and describing the volcano and lava flows. LC: G420.L2.

Lauterbach, C. [K.]

Die Amaryllidaceae Papuasien: in, Beiträge zur Flora von Papuasien.

Bot. Jahrb. 50: 301-305, 1913 a.

Key to Papuan Amaryllidaceae, and records of collections, including some from Micronesia. *Hymenocallis litoralis*, p. 303 (Volkens 506) and *Hypoxis aurea*, p. 305 (Volkens 216, 235), mentioned from Yap.

Die Flagellariaceen Papuasien: in, Beiträge zur Flora von Papuasien.

Bot. Jahrb. 50: 288-289, 1913 b.

Systematic. Three species studied. Records include Micronesian collections, e. g. *Flagellaria indica* from Yap (Volkens) and *Susum malayanum* from Koror (Raymundus 252).

Die Ulmaceen Papuasien nebst einer Revision der Trema-Arten des Monsun-Gebietes.

Bot. Jahrb. 50: 308-327, 1913 c.

Includes some Micronesian species: *Trema virgata* var. *scabra* from the Carolines, p. 315, (Volkens), *T. orientalis* var. *argentea* from the Marianas, p. 320. Discussion of distribution of *Trema*, p. 322. Discusses Planchon's reference of *Sponia discolor* from the Marianas (see Planchon, 1873).

Die Anacardiaceen Mikronesiens: in, Diels, 1921.

Bot. Jahrb. 56: 516-521, 1921 a.

Systematic, with keys to Micronesian species. One new species is described from Palau, records from several collections.

Die Burseraceen Mikronesiens: in, Diels, 1921.

Bot. Jahrb. 56: 515, 1921 b.

Discussion of genus *Canarium* with a new species described from Palau (Ledermann 14, 330).

Die Lecythidaceen Mikronesiens: in, Diels, 1921.

Bot. Jahrb. 56: 527-528, 1921 c.

Key to two species of *Barringtonia* with records from several collections in Micronesia.

Lauterbach, C. [K.]

Die Rhamnaceen Mikronesiens: in, Diels, 1921.

Bot. Jahrb. 56: 524-525, 1921 d.

Key to genera known in Micronesia. Records from several collections.

Die Rutaceen Mikronesiens: in, Diels, 1921.

Bot. Jahrb. 56: 508-512, 1921 e.

Discussion of several species, recorded in Micronesia, with descriptions of four new ones from the Carolines.

Die Simarubaceen Mikronesiens: in, Diels, 1921.

Bot. Jahrb. 56: 513-514, 1921 f.

Records for three new species, from various collections.

Die Guttiferen Mikronesiens: in, Diels, 1924.

Bot. Jahrb. 59: 18-23, 1924.

Discussion of a number of species from different island groups, several of them new. Various collectors.

Die Vitaceen Mikronesiens: in, Diels, 1930.

Bot. Jahrb. 63: 277, 1930.

Records for two species include several collections from the Carolines.

Lawton, G. H.

Recent cultural changes on the island of Nauru.

Jour. Geogr. 50: 12-20, 1951.

Includes brief mentions of economic plants. Map shows extent of coconut plantations.

Leff, D. N.

Uncle Sam's Pacific islets.

1-71, Standord Univ., 1940.

Includes brief mention of Wake Island, p. 21, heavy brush and hardwood trees, but no water. LC: DU30.L4.

Lehman, J. G. C.

Muscorum Hepaticorum nova genera et species novae.

Ind. Schol. Gymn. Hamburg. 1834: 15-64, 1834; 1838-39: 1-41, 1838.

These are Pugilli 5 and 7 of Lehman's *Novarum et minus cognitarum Stirpium Pugillus*. I-X. It is difficult to know whether the "Index" contains re-

- prints of the Nov. Stirp. or vice-versa. Titles vary. Pug. 7 includes two species of *Jungermannia* from the Marianas, pp. 4-5, *J. subcomplanata*, and *J. diversifolia*. NYBG.
- Lemaire, C.**
Areca catechu L.
 Ill. Hort. 3: Misc. 1-4, 1856.
 The species is said to extend to the Caroline Islands.
- Lessa, W. A.**
 The ethnography of Ulithi Atoll.
 CIMA Rept. 28: 1-269, 1950 a (mimeographed).
 Contains section on agriculture and lists of wild economic plants, with uses, and cultivated plants.
- Ulithi and the outer native world.
 Am. Anthrop. 52: 27-52, 1950 b.
 Anthropological account but mentions a few economic plants of Yap and Ulithi.
- Lessing, C. F.**
 Synanthereae: in, Chamisso and Schlechtendal, *De Plantis*...
 Linnaea 6: 83-170, 209-260, 501-528, 1831.
 Includes Micronesian references in the first two parts, e. g. *Wedelia chamissonis*, described from Guam, p. 161, *W. aristata* from Radack, p. 160, *Adenostemma viscosum* from Radack and Guam, p. 106, several other species from Guam on p. 225.
- Lesson, A. and Richard, A.**
 Botanique. Paris 1832-1834: in, Dumont d'Urville ed., *Voyage de l'Astrolabe*... 1830-1835.
 This volume is composed of two parts: a *Flora of New Zealand* 1832, and a *Sertum Astrolabianum* 1834, written by Richard, of which the "catalogue," pp. I-LVI, gives lists of plants for different lands visited, including Guam, pp. XLIII-XLVIII. In the *Sertum* proper, pp. 1-167, a number of plants are described, but none from Micronesia.
- Lesson, [R.] P.**
 Ile de Oualan ou Strong.
 Jour. Voyages 26: 129-170, 273-318, 1825.
 Account of Kusaie, visited by Lesson on the "Coquille". Includes notes on plants, pp. 138-145, some of them economic plants. Vocabulary, pp. 309-318, includes names of plants.
- Lesson, [R.] P.**
 Voyage autour du monde enterpris par ordre du Gouvernement sur la corvette La Coquille.
 2 vols., Paris, 1838.
 Micronesia visited in May-June 1824 (2nd vol.)
 Notes on Micronesian archipelagoes on pp. 445 et seq. Visit to Oualan (Kusaie) described on p. 459. Mentions of plants on p. 465, very few notes on vegetation. On the way to New Guinea, other Carolines: "Pelelap," "Tongoulou," "Takai," "Truk," "Piguelao," "Satahoual," etc. were visited, and are briefly described. There is a vocabulary for Oualan. LC: G420.C78.
- Lesson, [R.] P. and Garnot, P.**
 Zoologie I, 1 et 2, 1826-1828: in, Duperrey, *Voyage autour du monde... de... La Coquille*, 1825-30.
 In I, 1, the notes on the archipelagoes of the Pacific, pp. 1-30, include many mentions of the Carolines, their geology, aspect, etc. The chapter "Des Carolins", on the inhabitants of Micronesian archipelagoes, especially the Carolines, pp. 67-84, includes mentions of plants. I, 2 includes, pp. 423-436, a chapter by Lesson on Oualan (Kusaie), with mentions of climate, vegetation, and plants (island visited June 5-15, 1824).
- Leveque, P. L. and Hale,**
 Vocabulaire Arorai (Iles Gilbert).
 123-228, [Paris], [1881].
 Ed. by P. A. C[olomb], reprinted, but with no indication of original place of publication. Contains many words applying to plants. Bish.
- Li, H. L.**
 On *Flemingia* Roxburgh (1812), non Roxburgh (1803), versus *Moghania* J. St. Hilaire (1813).
 Am. Jour. Bot. 31: 224-228, 1944.
 Micronesian occurrence cited on p. 224.
- Library of Congress**
 See U. S. Library of Congress.
- Limpricht, W.**
 Taccaceae.
 Pflr. 92 (IV. 42): 1-31, 1928.
 Monographic. Includes *Tacca pinnatifida* from Micronesia, p. 28.
- Lindau, G.**
 Acanthaceae asiaticae.
 Repert. Sp. Nov. 13: 550-554, 1915.
 Original description of eight species, including, p. 553, *Pseuderanthemum jaluitense* from Jaluit

(Gibbons 1068). Lindau says "Insulae Marianaë, Jaluit beim ..." apparently placing Jaluit in the Marianas erroneously.

Ling, L. and Jenkins, A. E.

Additional Old World distribution of stem and foliage scab of sweetpotato.
Plant Disease Rep. 35: 120, 1951.

Extends the range of *Elsinoë batatas* (Ascomycetes) to Fefan I. (Truk), specimens collected by Fosberg, 1946.

Lingelsheim, A. von

Eine Oleacee Mikronesiens: in, Diels, 1930.
Bot. Jahrb. 63: 279, 1930.

Linociera sessiliflora reported from Palau, collected by Ledermann in 1914.

Linsley, L. N.

Curious things about Guam. Some useful trees, plants and shrubs.
Guam Record. 12: 39-41, 96, 1935 a.

Description of 30 Guam plants, "useful and remarkable" with English, Latin and native names taken from Safford, 1905, and from Merrill, 1914.

Curious things about Guam. The most profitable tree in the world.
Guam Record. 12: 208-210, 1935 b.

Notes on uses of coconut, discussing Dampier's account of them.

Loesener, T.

Eine Aquifoliacee Mikronesiens: in, Diels, 1921.
Bot. Jahrb. 56: 522-523, 1921.

Ilex mertensii var. *volkmaniana* described from Ponape.

Die Celastraceen Mikronesiens: in, Diels, 1930.
Bot. Jahrb. 63: 272-273, 1930 a.

Two species of *Gymnosporia*, one of them new, studied from material of several collectors.

Die Hippocrateaceen Mikronesiens: in, Diels, 1930.
Bot. Jahrb. 63: 274-276, 1930 b.

Several species studied, some new, with records from several different collections.

Luersen, C.

Ein Beitrag zur Farnflora der Palaos- oder Pelew-

Inseln.

Jour. Mus. Godeffroy 1: 52-58, 1873.

Systematic enumeration of the ferns collected by Capt. A. Tetens in Palau.

Lütje, O.

Beitrag zur einer Landeskunde des Karolinen-Archipels.
1-117, Leipzig, 1906.

A monograph, compiled from sources listed in the bibliography, including data on history, geography, ethnography, economics, etc. Note on climate, pp. 29-31, plants and vegetation, pp. 31-34, economic plants, p. 61. The author does not seem to have visited the islands. This is a thesis. LC: DU563. L8.

Lütke, F. P. (also written Lutke)

Voyage autour du monde exécuté par ordre de Sa Majesté l'Empereur Nicolas Ier, sur la corvette Le Sémavine, dans les années 1826, 1827, 1828, et 1829. Partie historique.
3 vols., Paris, 1835-1836; atlas 1-38, 51 plates, Paris, [1835].

Vol. 1 includes visits to Marshalls and Ualan (Kusaie). Vol. 2 includes descriptions of Carolines and Marianas. A few notes on plants and vegetation. For vol. 3, see Mertens, 1836 and Postels, 1836. The atlas includes views of the vegetation of the Carolines, with explanatory notes by Postels and Kittlitz. LC: G420. L93, rare books.

Luomala, K.

Plants of Canton Island, Phoenix Islands.
Occ. Pap. Bishop Mus. 20: 157-174, 1951.

Includes some Gilbertese names of plants as applied to plants on Canton Island by Gilbertese laborers residing there.

MacDaniels, L. H.

A study of the fe'i banana and its distribution with reference to Polynesian migrations.
Bishop Mus. Bull. 190: 1-56, 1947.

One reference to Kusaie, p. 43.

Malaspina, A.

Viaje politico-científico alrededor del mundo por las corbetas Descubierta y Atrevida al mando de los capitanes de navío D. Alejandro Malaspina y don José de Bustamante y Guerra desde 1789 á 1794. 1-681, Madrid, 1885.

Malaspina's full account of his trip was never published. This is a brief description of the voyage, with a map showing the route of the ships. The Marianas were visited in Feb. 1792 (Saipan, Tinian).

Rota, Guam, pp. 209 et seq.), No mention of plants, except to say that Heenke (Haenke) and Née collected on Guam and other islands. LC: G420.M23.

Manchester, C. A., Jr.

The Caroline Islands: in, Freeman, O. W., *Geography of the Pacific*, 236-269, 1951.

Contains many notes on plants, vegetation, and agriculture; maps, bibliography, photographs.

Mansfeld, R.

Eine Melastomacee Mikronesiens: in, Diels, 1930.

Bot. Jahrb. 63: 278, 1930.

Medinilla blumeana sp. nov., from Palau. Collected by Ledermann in 1914.

Marchand, E.

Voyage autour du monde pendant les années 1790, 1791 et 1792.

4 vols., Paris, 1798-1800.

Vol. 1 (an VI=1798) includes historical relation on the Marianas, compiled from many previous narratives. There are a few mentions of plants in the relation, pp. 530-459, and in "addition" 4: 624. Marchand on his ship "Le Solide" sighted Tinian and Saipan on Nov. 3, 1791, p. 430, but did not stop. He was on his way from Hawaii to Formosa. The "Introduction historique" by C. P. Claret Fleurieu is said to cover all discoveries and voyages concerning the W. Coast of N. America, and the N. Pacific, from Cortes' discovery of California (1737) to Marchand's visit to that coast (1791). LC: Q115.M3.

Marche, A.

Mon voyage aux îles Mariannes.

Bull. Soc. Géogr. Marseille 14: 22-30, 1890.

Includes mentions of geography of islands, cultivated plants, brief mentions of vegetation. Almost all the islands are mentioned, and described, some of them viewed only from the ship. (1887-1889).

Rapport général sur une mission aux îles Mariannes.

N. Arch. Miss. Sci. et Lit. Paris 1: 241-280, 1891.

Marche went on a French mission (1887) to gather data and collections, both physical anthropological and ethnographical. Visited most of the islands staying several months on the larger

ones. The report has brief mentions of soil, water supply, vegetation. No botanical names of plants given. Economic plants are briefly mentioned. This is an official report to the government.

Marche, A.

Notes de voyage sur les îles Mariannes.

Bull. Soc. Géogr. Comm. Havre 25: 49-61, 65-96, 1898.

Note on geography, history of the islands. Excursions on both southern and northern islands, with superficial notes on vegetation.

Markgraf, F.

Die Apocynaceae von Neu-Guinea.

Bot. Jahrb. 61: 164-222, 1927.

Refers to some Micronesian species and uses names later formally proposed or transferred.

Die Apocynaceen von Mikronesien: in, Diels, 1930.

Bot. Jahrb. 63: 280-287, 1930.

Systematic notes, including description of some new species from several collections.

Die Gattung *Astronidium* A. Gray.
Notizbl. 12: 47-50, 1934.

Revision of the genus, includes several new combinations, three from the Carolines.

Die Myristicaceen von Mikronesien: in, Diels, 1938.

Bot. Jahrb. 69: 395-397, 1938.

Keys to two genera, with records of seven species from different collections.

Marshall, C.

Report on forestry in the Trust Territory of the Pacific Islands.

SIM Rept. 14: 1-94, 1951 (mimeographed).

Discusses forestry problems, with casual notes on vegetation and forest plantations; contains some lists of economic tree species and casual references to others; bibliography.

Marshall, J. T., Jr.

The endemic avifauna of Saipan, Tinian, Guam and Palau.

Condor 51: 200-221, 1949.

Includes incidental mentions of vegetation and plants and some photos showing vegetation of Tinian.

Marshall, J. T., Jr.

Vertebrate ecology of Arno Atoll, Marshall Islands.

SIM Rept. 6: 1-38, 1950 (mimeographed).

See next entry.

Vertebrate ecology of Arno Atoll, Marshall Islands.

Atoll Res. Bull. 3: 1-38, 1951.

Ecological notes on fauna, including information on general environment, and on plants.

Martelli, U.

Neue Pandanaceae Papuaiensis.

Bot. Jahrb. 49: 60-67, 1912.

Description of new species, several of them collected by Volkens and Krämer in the Carolines. Notes on distribution of Pandanaceae are by Lauterbach, p. 60.

Generi, specie, et varietà nuove di palme gerontogee della tribù "Arecaceae" lasciate inedite dal Dott. O. Beccari ed ordinate a cura di U. Martelli.

Atti Soc. Tosc. Sci. Nat. 44: 114-176, 1934 a.

A series of descriptions and discussions of species, several of them new, some Micronesian: *Heterospatha elata* var. *palauensis* Becc., comb. nov., *Heterospatha elata* var. *guamensis* Becc., p. 140. *Ponapea* Becc., gen. nov., *P. ledermannia* Becc., sp. nov., from Ponape, p. 148. *Bentinckiopsis carolinensis* Becc., p. 165, from Truk, (Krämer), *B. ponapensis* Becc., p. 167, from Ponape (Ledermann).

Pandanaceae: in; Kanehira, New or noteworthy trees... V.

Bot. Mag. (Tokyo): 48: 116-130, 163-164, 1934 b.

Many species described; pp. 163-164 are in Japanese.

I generi e le specie delle palme gerontogee della tribù delle "Arecaceae". Esposizione geografica secondo la monografia inedita del Dr. O. Beccari.

Nuov. Giorn. Bot. Ital. II, 41: 693-723, 1935 a.

Tables of distribution of species, including some from the Carolines.

La sinonimia delle palme gerontogee della tribù

delle "Arecaceae".

Nuov. Giorn. Bot. Ital. II, 42: 17-88, 1935 b.

List of synonyms, including some Micronesian species.

Martens, G. von

Die Tange: in, die preussische Expedition nach Ost-Asien, botanischer Theil.

1-152, Berlin, 1866.

Enumeration of algae collected by the expedition. A table of distribution of species in the Indo-Pacific region includes mentions of records from the Marianas and Carolines, and one from Radak. LC: DS507 P94.

Masamune, G., Suzuki, S., Mori, K., Hosokawa, T., Kamikoti, S., Suzuki, T., and Fukuyama, N. Index Taihokensis II, 1934.

Kudoa 3 (1): 9-85, 1935.

Lists of various Micronesian species. Author's names are in Japanese.

Mason, L.

The Bikinians: A transplanted population.

Human Organ. 9 (1): 5-15, 1950 a.

Historical account of the handling of the displaced Bikini population, with incidental notes on climate, economic plants and agricultural potential in several of the Marshall Islands, such as Bikini, Rongerik, Kili, etc.

Cultural adaptation of the Bikini Islanders to a new environment.

Proc. Haw. Acad. Sci. [25]: 5, 1950 b.

Abstract, with mention of a number of food plants on Kili Island, Marshalls.

A changing world... Micronesia.

Parad. Pac. 63 (5): 14-16, 1951 a.

Anthropological summary, mentioning a few economic plants, with several photographs showing plants.

Micronesia: Marshalls, Gilberts, Ocean Islands, and Nauru: in, Freeman, Geography of the Pacific 270-297, 1951 b.

Contains a superficial account of the vegetation and agriculture, especially of the Marshalls: map, photographs, bibliography.

Re-establishment of a copra industry in the Mar-

- shall Islands.
Proc. 7th Pac. Sci. Cong. 7: 159-162, 1953.
Includes some information on native agriculture.
- Mason, L., Tobin, J. and Wade, G.
Anthropology-geography study of Arno Atoll, Marshall Islands.
SIM Rept. 7: 1-20+1, 1950 (mimeographed).
Includes mentions of some economic plants. Map of the atoll.
- Mason, L., [Tobin, J. and Wade, G.]
Anthropology-geography study of Arno Atoll, Marshall Islands.
Atoll Res. Bull. 10: 1-21, 1952.
Slightly revised issue of Mason et al., 1950.
- [Masters, M. T.]
Ixora macrothyrsa.
Gard. Chron. n. s. 22: 267, Aug. 30, 1884.
An unsigned paragraph, with no indication that the name is a new combination, nor reference to basonym. Mentions that it is better known "under the garden name of *I. Duffii*". Mentions that it is "a comparatively recent introduction from Sumatra". See Hooker, 1886.
- Matsue, H.
[Ten year history of South Sea Islands exploitation].
1-239, [Tokyo, 1932].
In Japanese. Includes history of clearing of the vegetation of Tinian, and its replacement by sugar cane, with photos and color panoramas of Tinian before and after clearing.
- Matsumura, A.
Contributions to the ethnography of Micronesia. 1-174, Tokyo, 1918 (reprinted from the Jour. Coll. Sci. Imp. Univ. Tokyo, 40 (7): 1918.)
No mention of plants, except for the most common ones such as coconut, breadfruit, etc.
- Matsuoka, S.
[Ethnography of Micronesia] (Micronesia Minzoku-shi).
[1-687, Tokyo, 1943].
In Japanese, includes much material culture involving plants, many photos incidentally showing vegetation. (Copy seen in Bishop Museum, Honolulu, dated 1938, in pencil).
- Matsuya, Z.
Some hydrographical studies of the water of Iwayama Bay in the South Sea Islands. Palao... Studies 1: 95-135, 1937.
Includes good bibliography on plankton and coral ecology, and hydrographical studies, with list of phytoplankton, and indications on seasonal variation, p. 129.
- Mattfeld, J.
Die Compositen von Papuasien: in, Lauterbach, .. Beiträge zur Flora Papuasien, XVI. Bot. Jahrb. 62: 386-451, 1929.
Systematic. Discusses *Wedelia canescens* on p. 434, from Micronesia and Polynesia.
- Matue, Y.
Systematic studies of the plankton organisms in Iwayama Bay, Palao. III. List of diatoms occurring in the bay. Palao... Studies 2: 521-525, 1942.
A list, with indication of localities in the bay.
- Matusaki, N.
[Southern life: Plants].
149-232, Tokyo, 1942.
Not seen.
- Maxwell, W. H.
On the Caroline Archipelago. Proc. R. Geogr. Soc. London n. s. 4: 92-93, 1882.
Brief geographical note on Kusari or Strong I. (Kusaie) and Ponapi (Ponape). Mentions "thick vegetation" and the ruins.
- Meinicke, C. E.
Die Gilbert- und Marshall-Inseln. Zeitschr. f. Allg. Erdk. Berlin n. s. 15: 369-417, 1863.
Geographic. Comprehensive compilation from many sources, all of them constantly acknowledged. Includes description, climate, vegetation, flora, fauna, etc.
- Die Inseln des Stillen Oceans. II. Polynesien und Mikronesien. 1-487, Leipzig, 1876.
Monograph, including descriptions of vegetation, climate, and foods. There is no evidence that the author visited the islands. Sources constantly cited, with occasional original criticism or remarks. CY: En. 875.

Merrill, E. D.

Notes on the flora of Manila with special reference to the introduced element.

Philip. Jour. Sci. C. Bot. 7: 145-208, 1912 a.

Mentions a number of Micronesian occurrences, e. g. *Elephantopus mollis* known only from the Philippines and Guam and said to have been most probably introduced from tropical America, as *Hyptis spicigera* and *H. capitata*. Also mentioned: *Blechnum brownii*, *Ipomoea triloba*.

Nomenclatural and systematic notes on the flora of Manila.

Philip. Jour. Sci. C. Bot. 7: 227-251, 1912 b.

On p. 235, discusses *Capparis cordifolia* Lam. reporting its distribution as Guam, "Kuschai and Ualan", "Marshall Islands, Nawodo", and Timor.

An enumeration of the plants of Guam.

Philip. Jour. Sci. C. Bot. 9: 17-155, 1914.

Discussion of Guam vegetation and flora (origin, etc.). Enumeration of species known at the time, including many described for the first time.

Studies on Philippine Anonaceae I.

Philip. Jour. Sci. C. Bot. 10: 227-264, 1915.

Description of the genus *Guamia*, based on *Papualthia mariannae* Saff., p. 243.

Reliquiae Robinsonianae.

Philip. Jour. Sci. C. Bot. 11: 243-319, 1916.

Stackhousia intermedia f. *philippinensis* Pamp. mentioned from Yap on p. 286.

Additions to the flora of Guam.

Philip. Jour. Sci. 15: 539-544, 1919 a.

Supplement to Merrill, 1914.

Species Blancoanae.

Bur. Sci. Publ. Manila 12: 1-423, 1919 b.

Critique of Blanco's *Flora de Filipinas*.... Mentions incidentally at least one species from Guam, *Blechnum brownii* Juss., p. 353.

Comments on Cook's theory as to the American origin and prehistoric distribution of certain economic plants, especially *Hibiscus tiliaceus*.

Philip. Jour. Sci. 17: 377-384, 1920.

Mentions occurrence of *Hibiscus tiliaceus* in

the Marianas and gives the native name "pago" from Guam.

Merrill, E. D.

An enumeration of Philippine flowering plants. 4 vols., Manila, 1923-1926.

Contains scattered references to Micronesian occurrence of species also found in the Philippines.

Bibliography of Polynesian botany.

Bishop Mus. Bull. 13: 1-68, 1924.

Extensive list of references to botanical literature on "Polynesia" including Micronesia.

The gymnosperms of Malaysia, the Philippines, and Polynesia.

Proc. 5th Pac. Sci. Cong. 4: 3267-3271, 1934.

Points out, p. 3269, that the Marianas Is. form of *Cycas* cannot be distinguished from the common Philippine *C. circinalis*.

Ochrocarpos odoratus (Rafinesque) Merrill, a new name for a much named species, with a new species from Samoa.

Jour. Arnold. Arb. 26: 93-96, 1935.

Ochrocarpos odoratus, comb. nov., is mentioned from the Marianas and Carolines.

On the significance of certain Oriental plant names in relation to introduced species.

Proc. Am. Philos. Soc. 78: 111-146, 1937 a.

Includes some names used in Micronesia.

Polynesian botanical bibliography, 1773-1935.

Bishop Mus. Bull. 144: 1-194, 1937 b.

Extensive list of references. "Polynesia" of author includes Micronesia.

Plants of Guam.

Guam Rec. 16: 148-151, 168-169, 188-190, 212-214, 1939.

This is a reprint of the introduction to Merrill, 1914.

Man's influence on the vegetation of Polynesia, with special reference to introduced species.

Proc. 6th Pac. Sci. Cong. 4: 629-639, 1940.

Principally discusses the introduction, spread and effect on vegetation of various weed and economic

species, mentioning Guam as an important point of entry.

Merrill, E. D.

Plant life of the Pacific world.

1-295, N. Y., 1945 (Fighting Forces ed., pub. by the Infantry Journal: 1-298, Washington, 1945).

A popular, but highly informative account of the common plants especially economic ones, and the vegetation of the tropical Pacific region. Excellent introduction to area. LC: QK47L.M4.

Merrilleana.

Chron. Bot. 10: 131-393, 1946.

A selection of papers by E. D. Merrill, including some of his most important shorter contributions, reprinted. Includes a number of papers with important bearing on economic plants, their spread in the Pacific, also on general phyto-geographic problems in the Pacific. Little specific mention of Micronesia except for native names, and, p. 340, discussion of early introduction of plants into Guam.

A botanical bibliography of the islands of the Pacific.

Contr. U. S. Nat. Herb. 30: 1-322, 1947.

Lists and annotates all papers known to the author to contain material on botany of Polynesia, Micronesia and the eastern parts of Melanesia. See Walker, 1947, for index.

On the synonymy of *Jossinia reinwardtiana* (Blume) Blume.

Jour. Arnold Arb. 31: 329-333, 1950.

Discusses status of *Jossinia* and of *J. reinwardtiana*, which he records from Marianas and Carolines, as well as elsewhere.

Merrill, E. D. and Perry, L. M.

A summary of *Kentrochrosia* Lauterbach and Schumann.

Philip. Jour. Sci. 76: 19-21, 1941.

Revision, including mention of *K. carolinensis* from the Carolines, p. 20.

Some additional records for the Guam flora.

Jour. Arnold Arb. 27: 323-325, 1946.

New records from a collection by S. F. Glassman.

Merrill, E. D. and Rolfe, R. A.

Notes on Philippine botany.

Philip. Jour. Sci. C. Bot. 3: 95-127, 1908.

Includes, p. 117, *Schefflera odorata* (Blanco) Merrill and Rolfe, comb. nov., not known in Micronesia at the time.

Mertens, [K. H.]

Mémoire sur l'Archipel des Carolines, particulièrement sur les îles basses.

Rec. Act. Séances Pub. Acad. St. Petersburg 1829: 95-186, 1830.

Relation of the geography, aspect and native life of the islands. A few mentions of vegetation, pp. 101-109. List of plants used for food, medicine, etc., pp. 165-186. Other casual mentions of plants in other parts of narrative.

Notices sur les Îles Carolines: in, Lütke, Voyage autour du monde ... sur la corvette Le Sèniavine.... 3: 132-144, 1836 a.

Notes on vegetation and plants: Pp. 132-141, high Carolines, pp. 141-143, low Carolines, pp. 143-144, Feys (Fais) (suggests that the lower interior may be a dried lagoon). This paper together with Mertens, 1836 b, contains the same material as Mertens, 1830.

Observations sur les habitans des îles Carolines, and, Des moeurs et usages des habitans des Carolines basses: in, Lütke, Voyage autour du monde ... Le Sèniavine

3: 144-151, 151-236, 1836 b.

Include mentions of economic plants.

Mettenius, C.

Cryptogamae vasculares: in, Reise der Oesterreichischen Fregatte Novara, Bot. T. 1: 197-228, 1870.

Contains a few casual references to species from the Marianas and Kusale.

[Mettler, R. ed.]

Schilderungen von Küstenländern und Inseln des Stillen Oceans.

Neue Allg. d. Gart. Zeit. 1: 342-353, 389-398, 1845.

Extensive comments on Kittlitz, 1844-45. In the first part, general popular notes on the influence of climate on vegetation. In the second part, description of vegetation of Ualan (Kusale), pp. 389 et seq. and Guam, p. 394, as seen in Kittlitz' pictures.

Meyen, F. J. F.

Observationes botanicas in itinere circum terram institutas. Beiträge zur Botanik, gesammelt auf einer Reise um die Erde.

Nov. Acta Acad. Leop.-Carol. 19: Suppl. 1: 1-512, 1843.

List of plants collected by Meyen in his trip around the world. Most groups studied by various authors. Meyen did not visit Micronesia but a lichen is cited from Guam. See next entry.

Meyen, J. and Flotow, J. de

Lichenes: in, Meyen, F. J. F., Observationes botanicas

Nova Acta Acad. Leop.-Carol. 19: Suppl. 1: 209-232, 1843.

Mentions seeing a form of *Usnea australis* in Gaudichaud's collection from Guam, p. 209.

Meyer Drees, E.

The genera *Intsia* and *Pahudia* (Legum.) in the Netherlands Indies.

Bull. Jard. Bot. Buitenzorg III, 16: 83-102, 1938.

Describes *Intsia bijuga* f. *glabra*, n. f., extending to Polynesia and Micronesia (Marianas and Carolines).

Mez, C.

Myrsinaceae.

Pflr. 9 (IV. 236): 1-437, 1902.

Monographic, several species mentioned from Micronesia.

Die Myrsinaceen Mikronesiens.

Bot. Jahrb. 56: 535-539, 1921.

Description of several new species collected mostly by Ledermann in Ponape and Palau.

Digitaria mariannensis: in, Diels, 1924.

Bot. Jahrb. 59: 1, 1924.

Description of a new species from the Marianas Is.

Michelena y Rojas, F.

Viajes científicos en todo el Mundo desde 1822 hasta 1842.

1-408, Madrid, 1843.

Several trips of the author took him all around the world, but this account is mostly about Pacific Islands. Pleasant or Barbudos (Nauru), pp. 175-180; Carolines and Marianas, pp. 181-207 (mostly about Ponape and Guam). Very super-

ficial, brief mentions of plants. Unimportant. Harvard: OC2008. 43. 10.

Miguel, G.

Estudio sobre las Islas Carolinas.

1-207, Madrid, 1887.

Book meant to inform public about islands subject of German-Spanish conflict. Each group studied separately, with description of climate, products, native life, etc. Flora treated very superficially. Author does not seem to have been there. LC: DU563.M5.

Miller, R. E.

Health report of Kapingamarangi.

Atoll Res. Bull. 20: 1-42, 1953.

Includes brief mention of food plants and discussion of plants used in native remedies.

Miquel, F. A. G. [or F. A. W.]

Systema Piperacearum.

1-575, Rotterdam, 1843.

On p. 120, records *Peperomia membranacea* from the Marianas. See Yuncker, 1938, for correct disposition of this record. Bish.: QK495.P661 M66.

Flora Indiae Batavae.

3 vols. and supplement, Amsterdam and Utrecht, 1855-1861.

Includes some records from the Marianas, e. g. 2: 926, 1858, *Tournefortia argentea* 2: 960, *Hyptis pectinata*, etc. For discussion of dates of issue of parts, see Steenis in Bull. Jard. Bot. Buitenzorg III, 13: 284-285, 1934. LC: QK367.M6.

Moldenke, H. N.

The geographic distribution of the Avicenniaceae and certain genera of Verbenaceae.

1-41, N. Y., 1939 (mimeographed).

Avicennia alba Bl. recorded from Pelew (Palau) Islands, p. 34.

The known geographic distribution of the members of the Verbenaceae and Avicenniaceae.

1-104, N. Y., 1942 a (processed).

On p. 63 is a list of species from the Marianas and Caroline islands, and on p. 68, *Clerodendron inerme* is cited from "Radack Island".

An alphabetic list of invalid and incorrect scientific names proposed in the Verbenaceae and Avicenniaceae.

niaceae.

1-59, N. Y., 1942 b.

A bare list of names, with equivalents, including, p. 37, *Premna gaudichaudii*, and, p. 38, *P. mariannarum*, which are Micronesian plants.

Moldenke, H. N.

The known geographic distribution of the members of the Eriocaulaceae.

1-62, N. Y., 1946.

A bare list without supporting data, mentioning, p. 27, *Eriocaulon longifolium* Nees from Yap, and *E. sexangulare* L. from the Pelew (Palau) Islands.

The known geographic distribution of the members of the Verbenaceae and Avicenniaceae.

Bol. Soc. Venez. Ciencias Nat. 11 (70): 37-52, 1947.

On p. 50, under "Marianna Islands", corrects spelling in previous supplements from Saipon to Saipan.

The known geographic distribution of the members of the Verbenaceae, Avicenniaceae, Stilbaceae, Symphoremaceae and Eriocaulaceae.

1-215, N. Y. 1949 a (processed).

List of species with localities, including various Micronesian ones, pp. 142, 143, 150, 159, based on author's examination of herbarium material. DA: 583. 881 M711 Bot.

The known geographic distribution of the members of the Verbenaceae, Avicenniaceae, Stilbaceae and Symphoremaceae. Supplement 11.

Phytologia 3: 130-141, 1949 b.
A bare list without supporting data. On p. 140, includes several species from Micronesia.

Additional notes on the Eriocaulaceae. V.

Phytologia 3: 382-400, 1950 a.
Mentions a collection of *Eriocaulon sexangulare* from Palau.

The known geographic distribution of the members of the Verbenaceae, Avicenniaceae, Stilbaceae, Symphoremaceae and Eriocaulaceae.

Supplement 1.

Phytologia 3 (5): 233-296, 1950 b.

Mentions, p. 296, some Micronesian species.

Supplement to Moldenke, 1949 a.

Moldenke, H. N.

The known geographic distribution of the members of the Verbenaceae, Avicenniaceae, Stilbaceae, Symphoremaceae, and Eriocaulaceae. Supplement 2.

Rev. S. Am. Bot. 8: 165-174, 1950 c.
Supplement to Moldenke 1949 a; contains a few additional records from the Carolines.

Montagne, C.

Cryptogames cellulaires: Algues, lichens, hépatiques et mousses: in, Voyage... de la Bonite, Botanique, III: 1-163, 205-314, Paris, 1844-1846.

Includes a Guam hepatic: *Frullania gaudichaudii*, p. 226. LC: Q115.V18.

Plantes cellulaires: in, Voyage au Pôle Sud.... 1-349, Paris 1845.

Description of lower cryptogams collected by Hombron, Jacquinot and Dumont d'Urville in the "Voyage au Pôle Sud".

Includes a few species from the Marianas: e. g. *Conferva aegagrophila*, p. 5, *Vaucheria fastigiata*, p. 36, *Mastophora macrocarpa*, sp. nov., p. 149, *Frullania gaudichaudii*, p. 224. LC: Q115. D9.

Moore, T.

Ixora Duffii.

Fl. Pomol. 1878: 76, 1878.

Native of the Caroline Islands, described from horticultural material.

Moore, W. R.

Gilbert Islands in the wake of battle.

Nat. Geogr. Mag. 87: 129-162, 1945 a.

Popular article with some photographs showing vegetation.

South from Saipan.

Nat. Geogr. Mag. 87: 441-474, 1945 b.

Popular article with some photographs showing vegetation at time of U. S. invasion of Saipan.

Moquin-Tandon, A.

Amarantaceae.

DC. Prodr. 13 (2): 231-424, 1849.

Monographic, mentions a few species from the Marianas.

Morrell, B., Jr.

A narrative of four voyages to the South Sea, north

and south Pacific Ocean ... 1822-1831.
1-492, N. Y., 1832.

Includes mentions of several visits to the Carolines (Feb. 1830, p. 381, May 1830, p. 388, Aug. 1830, pp. 421-435) and the Marianas (Aug. 1830, p. 419). There are very few mentions of plants or vegetation, but the account is useful for old island names, and geographical description. See Dumont d'Urville, 1833 a, and 1833 b. LC: G463.M87.

Mortimer, G.

Observations and remarks made during a voyage... in the brig Mercury....
1-71, London, 1791.

Includes notes on Tinian, visited in Dec. 1789, with mentions of vegetation and food plants. LC: G460.M88, rare books.

Moss, F. J.

Through atolls and islands in the great South Sea. 1-317, London, 1889.

A voyage in the Pacific. Left New Zealand in Sept. 1886, voyage lasting 7 months. Visits to the Gilberts, Marshalls, Carolines. Includes information about Nauru and Ocean islands. There are only a few mentions of plants and vegetation. LC: DU21.M75.

[Motoda, S.]

[A preliminary survey of Garamado Bay, Palau main island].

Kagaku Nanyō 2 (1): 30-36, 1939 a (translation by O. Kadota, edited by A. C. Mason, 1952).

Includes mentions of mangrove, *Enhalus*, and some algae, present in the bay. GS: q pam, Motoda, S.

[Account of a journey to Tobi and Sonsorol Islands].

Kagaku Nanyō 2 (2): 102-121, 1939 b (translated by K. Musya, edited by A. C. Mason, 1950).

Geographical account, with data on plants; many photographs, maps. GS.

Motoda, S.

Plankton productivity of Iwayama Bay in Palao, South Seas.

Palao ... Studies 2: 219-238, 1941.

Attempt to decide whether there is seasonal change in plankton distribution. Phytoplankton and zooplankton treated separately in tables of observations. Results not yet conclusive.

Müller, F. von

Descriptive notes on Papuan plants I-V [Appendix,

Addition, Index].

1-119, Melbourne, 1875-1877 (I:1875; II:1876; III:1876; IV:1876, V:1877, according to introductions to parts. No title page).

On p. 59 (part IV) is a list of Jensen's collections in Gilbert, Union and Ellice Islands. NYBG.

Müller, F. von

Notes on a rare pandanaceous plant.

Vict. Nat. 7: 143-144, 1891; reprinted in Bot. Centralbl. 45: 123-124, 1891.

Discusses *Pandanus bombronia* (*Hombronia edulis* Gaudichaud), plant brought with the Bonite Expedition from the Marianas (actually *Uranie* Exped.)

Müller, J.

Euphorbiaceae.

Linnaea 32: 1-126, 1863; 34: 1-224, 1865.

Monograph, including some Micronesian species: Pt. 1: on p. 17 *Phyllanthus marianus* is mentioned, on p. 65, *Glochidion mariapum*. Pt. 2: p. 186, *Mallotus moluccanus* β *glabratus* cited from the Marianas (Gaudichaud). On p. 42, refers *Acalypha caroliniana* Blanco to *A. indica*. Blanco does not indicate the habitat of this plant, or the origin of its name.

Euphorbiaceae.

DC. Prodr. 15 (2): 189-1260, 1866.

Monographic, includes *Claoxylon marianum*, p. 783. The addenda and corrigenda, and the index, pp. 1261-1286, refer to Müller's and Boissier's monographs of Euphorbiaceae.

Müller, K.

Monographische Kritik der Lycopodiaceen-Gattung *Psilotum* Sw.

Bot. Zeit. 14: 217-227, 233-243, 1856.

Revision of *Psilotum* and allied genera. Includes, p. 226, *Bernhardia zollingeri*, n. sp. (synonym of *Psilotum complanatum*), from the Marianas (Gaudichaud); *B. oahuensis*, n. sp. (syn. for *B. dichotoma* Kaulf.), from Radack (Chamisso), p. 238; *B. mariana*, n. sp. (syn. for *B. dichotoma* Gaudich.), from the Marianas (Gaudichaud), p. 238.

Müller, W.

Yap: in, G. Thilenius, Erg. Süds. Exp. II B 2, 1: 1-380, 1917; 2: 381-810, 1918.

First volume includes brief mentions of plants and vegetation, not original. Good photos. Second vol. non-botanical.

- Muir, T.
The Caroline Islands.
Scott. Geogr. Mag. 1: 634-639, 1885.
A brief geographical and historical account of the islands. Very brief and superficial paragraph on plants.
- [Mukai, S.]
[Pineapple industry of the Palau Islands].
Guntô no Sangyô [Jan. 1933]:[1-21, 1933].
• Includes information on agriculture in Palau, the climate, land available for pineapples, and their cultivation. Abstract Ashizawa.
- Murphy, R. E.
Geographic studies in the easternmost Carolines.
CIMA Rept. 5: 1-135, 1948 a (unpublished, but portions included in Murphy, 1948 b and 1949).
Detailed study of physical and economic geography of Mokil, with photos showing vegetation of Mokil, Pingelap, and Ponape.
- Landownership on a Micronesian atoll.
Geogr. Rev. 38: 598-614, 1948 b.
Geographical, only incidentally botanical, but has some excellent photos showing vegetation of Mokil in the Carolines.
- "High" and "low" islands in the Eastern Carolines.
Geogr. Rev. 39 (3): 425-439, 1949.
Describes contrasts in physical aspect, climate, agriculture, life, etc. between the two types of islands (Mokil and Pingelap, atolls, and Kusaie and Ponape, high islands). Several good photographs showing vegetation.
- The economic geography of a Micronesian atoll.
Ann. Assoc. Am. Geogr. 40: 58-83, 1950.
Includes detailed description of native agriculture on Mokil (Carolines), with several photos of plants and vegetation.
- Changing patterns of agriculture in the easternmost Caroline Islands.
Proc. 7th Pac. Sci. Cong. 7: 163-170, 1953.
Includes mentions of economic plants.
- Murrill, R. I.
Ponape: A Micronesian culture of the Caroline Islands.
Trans. N. Y. Acad. Sci. II, 10: 154-158, 1948.
- General account, including a brief paragraph on climate, and a word on natural resources.
- Mussey, B. B.
See O'Connell, 1836.
- Nakada, T.
[Tannin dyes and island mangroves].
Nanyô Kikyû shikyû jô [Survey of the South Seas] 1-57, 1943.
Not seen.
- Nakai, T.
Notes on Japanese ferns V.
Bot. Mag. (Tokyo) 41: 64-78, 1927.
Cites Koidzumi collection of *Angiopteris evecta* Hoffmann from Ponape, p. 76, and mentions same species from Marianas.
- Ardisiaceae: in, author's *Nova Flora Japonica*.
9: 1-170, 1943.
Refers, p. 120, to *Blaudia racemosa* from Micronesia, but seems unsure that the Micronesian plant is really *B. racemosa*; cites no Micronesian specimen. In Japanese.
- Miscellaneous notes on Japanese plants.
Bull. Nat. Sci. Mus. 27: 1-49, 1949.
On p. 26, occurrence of *Lycopodium cernuum* in Micronesia is noted.
- A new classification of Gleicheniales.
Bull. Nat. Sci. Mus. 29: 1-71, 1950.
Another chapter in the recent efflorescence of fern taxonomy, further splitting families, genera and species. On p. 65, notes *Dicranopteris linearis* from Guam and Micronesia.
- Nakamura, H., Sueno, Y., Yamamoto, M. and Satomi, E.
[Luminous fungi, fireflies and sea fireflies, and diffused luminescence].
Kagaku II (1): 2, 1941.
In Japanese; includes mention of Micronesian fungi.
- [Nasu, K.]
[The South Sea Islands, occupied by Japan, from the viewpoint of agricultural economics]: in, [Department of Education ...], [Supplement to the Report ...], 87-97, Tokyo, 1917.
Includes information on agriculture, suitable crops, etc. Abstract Takeda.

Naudin, C.

Melastomacearum quae in Museo Parisiensi continentur monographicae descriptionis et secundum affinitates distributionis tentamen. XXVIII. Melastoma.

Ann. Sci. Nat. III Bot. 13: 273-303, 1849.

Systematic, describes, p. 276, Melastoma mariannum, from Guam.

Neal, M. C.

Hawaiian marine algae.

Bishop Mus. Bull. 67: 1-84, 1930.

Monographic, including enumeration and discussion of species. On p. 57, Turbinaria ornata is mentioned from the Marianas.

In gardens of Hawaii.

Bishop Mus. Spec. Pub. 40: 1-805, 1948.

A general treatment of garden plants, but some wild ones; a few casually mentioned from Micronesia, especially Guam. LC: QK473.H4 N39.

Neal, M. C. and Metzger, B.

In Honolulu gardens.

Bishop Mus. Spec. Pub. 13: 1-336, 1929.

A semipopular account of the cultivated plants and weeds found in Honolulu, incidentally mentioning that *Zoysia tenuifolia* is cultivated in Guam, p. 25; *Barringtonia speciosa* has Guam as one of its natural habitats, p. 227. LC: QK473.H4 N4, 1929.

Nessel, H.

Die Bärlappgewächse (Lycopodiaceae)

1-404, Iena, 1939.

Monographic. Several species recorded from Micronesia. The genus *Lycopodium* split on very dubious grounds. DA: 461.2 N37.

Nieden zu, F.

Malpighiaceae palaeotropicae.

Arb. Bot. Inst. Akad. Braunsb. 6: 1-63, 1915.

Systematic, describing many new species. At least 2 species from Micronesia in first part: *Ryssopteris timorensis*, p. 59, from Palau, *R. abutilifolia*, p. 60, from Truk.

Malpighiaceae.

Pflr. 91 (IV. 141): 1-246; 93 (IV. 141): 247-572;

94 (IV. 141): 573-870, 1928.

Monographic. Includes *Tristellateia australasiae*, from Palau, p. 61, and *Ryssopteris abutilifolia*, from Truk, p. 285.

Nishida, S.

[Account of a trip to the South Seas].

Trans. Sapporo Nat. Hist. Soc. 6: 80-84, 1915.

In Japanese, includes mentions of plant species in Roman type. Tr. Takeda.

Nishiyama, I.

Studies on the sugar cane. III. Wild sugar canes in Asia and their significance in point of view of cane-breeding.

Seiken Zihō 3 (2): 54-62, 1947.

Includes information on species of wild cane present in the Carolines and their distribution. Notes absence of wild species in Marianas. Tr. Takeda.

Nishiyama, I. and Kondo, N.

Chromosome studies in tropical plants I.

Seiken Zihō 1: 26-28, 1942.

Most of the plants studied are economic plants from Ponape; in Japanese with English resumé, p. 28.

Nishiyama, I., Yamada, I., and Kondo, N.

Studies on the sugar-cane. I. Karyological observations on wild and cultivated sugar-canes.

Seiken Zihō 1: 10-16, 1942.

In Japanese, with English resumé, p. 15. The table of chromosome numbers includes *Saccharum spontaneum*, from Ponape. Tr. Takeda.

Nishiyama, S.

[Fungi collected from Palau].

Hakubutsu-gaku Zasshi 38: 83-85, 1941.

Not seen.

Nozikov, N.

Russian voyages round the world.

1-165, London [undated] (translated by E. and M. Lesser).

Accounts largely taken from the journals of the voyages of *Kruzenstern*, *Lisyansky*, *Golovnin* and *Lütke* (Lütke); pp. 123-144 deal with Micronesia, 136-139 and 142-144 with coral atolls of the Carolines. Casual mentions and descriptions of vegetation, but of little importance and badly translated, e. g. "mango" consistently for "mangrove", etc. LC: G420.A1 N62.

Oakley, R. G.

Entomological observations in the Marshall, Caroline and Mariana Islands.

U. S. Commercial Company Economic Survey 14-2: 1-82, Honolulu, 1946 (mimeographed).

Many cultivated plants are mentioned, in the study of insect pests, from the various islands visited.

Oca, J. M. de

Carolinās occidentales, La Isla de Yap.
 Bol. Soc. Geogr. Madrid 34: 251-279, 1898.
 Includes notes on climate, plants, history,
 etc. Botany is quite superficial.

[O'Connell, J. F.] Mussey, B. B. ed.

A residence of eleven years in New Holland and
 the Caroline Islands: Being the adventures of
 James F. O'Connell edited from his verbal narra-
 tion.

1-265, Boston, 1836.

Picturesque account of Ponape, with very few
 mentions of plants or aspects of vegetation,
 pp. 199-207. Some notes on uses of plants.
 Plants mentioned on pp. 199-200: breadfruit,
 coconut, plantain, banana, mangrove, yam,
 "jagow", lime. On p. 181: "Hand [Ant atoll] is
 visited for its cocoa-nuts which are very abun-
 dant". LC: DU21.O18. See also Hambruch, 1929.

Ogura, Y.

New examples of aerial roots in tropical swamp
 plants.

Bot. Mag. (Tokyo) 54: 326-337, 1940 a.

Includes description and anatomical study of
 roots of *Urandra ammui* Kanehira and *Horsfieldia*
amkiala Kanehira, both from Babeldaob, Palau.

On the types of abnormal roots in mangrove and
 swamp plants.

Bot. Mag. (Tokyo) 54: 389-404, 1940 b.

In Japanese, with plant names in Roman type;
 English summary. Classification of aerial roots,
 including those of several species found in Micro-
 nesia.

Searching the mangrove in the South Sea Islands.
 Nat. Sci. and Mus. 11 (5): 4-12, 1940 c.

In Japanese, title in English on cover, species
 names in Roman type. Information on mangrove,
 its usual habitat, species present, and some of
 their characteristics, especially roots and vivipa-
 rous fruits. Tr. Takeda.

[Mangrove plants in Eastern Asia].

Bot. and Zool. 10: 145-149, 233-237, 1941.

Information on distribution and biology of man-
 groves. Enumeration and description of mangrove
 species. The author's own observations were most-
 ly made in Palau where the photos were taken.
 Tr. Takeda.

Ohwi, J.

Two new species of Cyperaceae from the Caroline
 Islands.

Act. Phytotax. Geobot. 8: 67-69, 1939.

Carex kanehirae, p. 67, and *Fimbristylis hatu-
 simae*, p. 68.

Grasses of Micronesia.

Bot. Mag. (Tokyo) 55: 537-552, 1941.

An enumeration of 75 species collected by Kane-
 hira and Hatusima, including several new species,
 from the Carolines and Marianas. Other records
 are mentioned.

Micronesian Cyperaceae collected by Prof. R.
 Kanehira and Dr. S. Hatusima.

Jour. Jap. Bot. 18: 130-138, 1942 a.

An enumeration of 53 species, including several
 new ones.

Symbolae ad floram Asiae Orientalis (XVIII).

Act. Phytotax. Geobot. 11: 249-265, 1942 b.

Discussion of a number of species, some of them
 new. Includes original description of *Digitaria sub-
 horizontalis*, from Palau, p. 261.

New or noteworthy grasses from Asia.

Bull. Tokyo Sci. Mus. 18: 1-15, 1947.

On p. 14, mentions *Isachne confusa*, from Mi-
 cronnesia.

Okabe, M.

[Drugs of the Chamorros and Kanakas in Palau].

Sangyō no Nanyō 3 (11): 2-11, 1940 a.

Not seen.

[Investigation of the medicinal plants found on the
 Palau Islands, their virtues and popular remedies].
 Nettai Sangyō Kenkyū-sho ihō 5: 1-19, 1940 b.

In Japanese. Enumeration, with information on
 origin of some of the introduced plants, and notes
 on their uses in various countries where they are
 native. Tr. Takeda.

[Preliminary-report on a plant survey of the forests
 of the coral islands of the South Seas].

1-36, [South Sea Government Tropical Industries
 Institute, Forestry Division] Nanyōgchō Nettai San-
 gyō Kenkyū-sho Ringyō-ka, 1940 c. (mimeographed).

Not seen. Possibly same as Okabe, 1940 d.

Okabe, M.

[Investigation on the vegetation of coral reefs of the South Sea Islands, (preliminary report). (The vegetation of the Island of Peleliu).]
1-38, 1940 d (mimeographed).

Includes information on vegetation, with description of main formations, and list of 213 species of plants found. Tr. Takeda.

[A botanical research of the Marshall Islands].
Sangyô no Nanyô 4 (5): 1-10, 1941 a (translation by Takeda, H., unedited, filed in GS).

Includes history of botanical exploration, description of the vegetation of Jaluit, and detailed information on economical utilization of indigenous and cultivated plants, with tables summarizing it.

An enumeration of the plants collected in Marshall Islands.

Jour. Jap. For. Soc. 23: 261-272, 1941 b.

179 species known from Jaluit, some of them new records, mostly from author's collection in 1941. Brief description of vegetation. In Japanese. Tr. Takeda.

The medicines of the Palau-Islander.

Jour. Anthropol. Soc. Nippon 56: 413-426, 1941 c.

Titles in English on cover. All in Japanese, except for Latin names. Mostly ethnographical, with notes on parts of plants used for specific diseases, lists of poisonous and medicinal plants, with Japanese, native, Latin names, and list of useful parts of plants. Tr. Takeda.

[Reports on the vegetation of Palau Islands].

Sangyô no Nanyô 4: 9-18, 1941 d.

Not seen.

[Emergency food plants of Palau].

Sangyô no Nanyô 4 (1): 2-9, 1941 e.

Not seen; reprinted in Okabe, 1943 a.

[On the exploitation of forest resources in Micronesia].

Sangyô no Nanyô [Fall no.]: 1-7, 1941 f.

Includes lists of Micronesian economic plants,

arranged by uses (timber, fiber plants, etc.) with native names and information on distribution. Tr. Takeda.

Okabe, M.

An enumeration of the plants collected in Truk, East Caroline Island.

Jour. Jap. For. Soc. 24 (6): 287-307 (1-21), 1942.

In Japanese, with list of plants in Roman type. Author collected on Truk in 1940-1941. Tr. Takeda.

[Emergency food plants in the Palau Islands].

Sangyô Sôsho 1: 1-14, 1943 a.

In Japanese, except for list of species in Roman type.

[Native drugs of Palau and Yap].

Sangyô Sôsho 2: 1-49, 1943 b.

In Japanese, except for lists of plants in Roman type (poisonous plants, native medicinal plants). Palau, pp. 1-24, Yap, pp. 25-49. Tr. Takeda.

[Folk medicines of Palau and Yap.]

[Nankyo 2: 1-49, 1943 c].

Ethnobotanical, with local, Japanese, and botanical names of plants. In Japanese. Probably same text as 1943 b. Abstract Takeda.

[Okamoto, S.]

[Study of fruit trees of the Palau Islands].

Guntô no Sangyô [Nov. 1931]: [9-17, 1931].

Mentions that there are 48 species of fruit trees, in 24 genera and 20 families, in Palau. Abstract Ashizawa.

[Cassia occidentalis L. and Cassia torosa L. in the South Sea Islands].

Guntô no Sangyô [Jan. 1933]: [36-46, 1933 a].

Description of the two plants. Abstract Ashizawa.

[Use of leguminous plants, and their fruition].

Guntô no Sangyô [Dec. 1933]: [15-26, 1933 b].

Includes information on introduced legumes, and their biology. Abstract Ashizawa.

[Introduced plants, data obtained from the natives of the South Sea Islands].

Nanyô Kyôkai Zasshi 19 (11): 13-27, 1933-35.

Not seen.

[Okamoto, S.]

[Talking of *Cassia torosa* L.]

Guntô no Sangyô [Feb. 1934]:[23-32, 1934 a].

Information on *Cassia* tea and its uses, and production. Abstract Ashizawa.

[Various potatoes].

Guntô no Sangyô [March 1934]:[11-25]; [June 1934]:[24-36]; [Aug. 1934]: [21-34]; [Sept. 1934]:[30-41, 1934 b].

Includes information on sweet potato varieties and their cultivation and uses. Abstract Ashizawa.

Okamura, K.

List of marine algae collected in Caroline Islands and Australia.

Bot. Mag. (Tokyo) 18: 77-96, 1904.

Includes algae from Palau, Yap and Saipan, collected by Ayabe in 1903.

List of marine algae collected in Caroline and Mariana Islands, 1915.

Bot. Mag. (Tokyo) 30: 1-14, 1916.

More than 50 species listed, from the high Carolines and Saipan, some of them new, from several collections.

[Several seaweeds of the South Seas].

Suisan Kenkyû-shi 23 (7): 208-209, 1928.

Not seen.

The distribution of marine algae in Pacific waters. Rec. Oceanogr. works Japan 4: 30-150, 1932.

Mostly long list of species, with a table indicating occurrence. Micronesia included in "Polynesian province". Important bibliography of algae.

The distribution of marine algae in Pacific waters. Proc. Fifth Pac. Sci. Cong. 4: 3133-3144, 1934.

Phytogeographic discussion, no species listed, Micronesia mentioned as having a majority of Malaysian species but no endemic genera. Important bibliography of Pacific algae.

[Japanese seaweeds].

1-9, 1-6, 1-964, 1-11, Tokyo, 1936.

Not seen.

Oliver, D. L.

Summary of findings and recommendations.

U. S. Commercial Company Economic Survey of Micronesia 1: 1-148, 1946 (mimeographed).

General digest, including data on geography, agriculture, forestry, natural resources, climate, conservation, population. LC: HC464.M5 U6, vol. 1.

Oliver, D. L.

The Pacific Islands.

1-313, Cambridge, Mass., 1951 a.

Popular anthropological account, with incidental information on agriculture, coconuts, etc. in Micronesia. LC: DU22.O6.

Planning Micronesia's future.

1-94, Cambridge, Mass., 1951 b.

Second edition of Oliver 1946, somewhat edited and with some notes added. LC: HC464.M5 U62.

O'Reilly, P.

Bibliographie de l'Océanie.

Jour. Soc. Océanistes 1: 187-231, 1945; 2: 289-317, 1946; 3: 173-200, 1947; 4: 204-244, 1948; 5: 233-269, 1949; 6: 293-335, 1950; 7: 327-370, 1951; 8: 329-361, 1952.

General bibliography of current items, arranged by subjects and island groups. Includes Micronesia. Co-authors vary, not listed here.

Osborn, F. (ed.)

The Pacific world.

1-218, N. Y., 1944.

The book tries to depict the geography and natural history of the whole Pacific Islands area; pp. 155-157 a short, rather misleading chapter on Micronesia; pp. 94-102, good general chapter on plants and vegetation. LC: DU22.O75.

Ostenfeld, C. H.

Meeresgräser I. Marine Hydrocharitaceae; II. Marine Potamogetonaceae: in, Hannig, and Winkler, Die Pflanzenareale 1 (3): Karte 21-24, 1927; 1 (4): Karte 34-39, 1927.

I. The distribution map for *Enhalus acoroides* indicates record from Guam. *Halophila ovata* also recorded from the Marianas. II. Includes record of *Diplanthera uninervis*, from Guam (K. 34). LC: QK101.H22.

Owen, R. P.

Comprehensive report on the rhinoceros beetle in the Palau Islands.

1-13, Guam, 1950.

A mimeographed memorandum to the High Commissioner, Trust Territory of the Pacific Islands.

including information on the effect of this pest on the forests of coconut trees in Palau, also on its other host plants. Includes data on Kayangel Atoll.

Pacific Science Council Secretariat.

Report on the Pacific Science Association.
Bishop Mus. Spec. Pub. 41: 1-115, 1951.

Includes information on the activity of the association since its creation in 1920, especially on the seven first Pacific congresses, with summary of their recommendations some of which pertained to botanical work in Micronesia. See Fosberg, 1953 a.

Pagès, P. M. F. de

Travels round the world in the years 1767, 1768, 1769, 1770, 1771.
1-437, Dublin, 1791.

Includes, pp. 127-131, account of visit to Guam, with brief mentions of main economic plants and superficial notes on vegetation.

Papenfuss, G. F.

On the identity of *Spongocladia* and *Cladophoropsis*.

Pac. Sci. 4: 208-213, 1950.

Contains a brief reference to the occurrence of *S. vaucheriaeformis* in Ponape and Saipan, based on Okamura, 1915.

Parr, C. M.

Over and above our Pacific.

1-274, Maundeville House, 1941.

Descriptive and historical account of some Pacific Islands, including Guam, pp. 102 et seq., with a few mentions of food plants. LC: DU22.P3.

Paulding, H.

Journal of a cruise of the United States Schooner Dolphin....

1-258, N. Y., 1831.

Includes descriptive notes on atolls of the Gilberts (Nukunau, Tapeteneua) and Marshalls (Arno, and especially Mill), with mentions of vegetation and food plants. LC: DU21.P32.

Pax, F.

Euphorbiaceae-Cluytiaceae.

Pflr. 47 (IV. 147 iii): 1-124, 1911.

Monographic, mentions *Codiaeum variegatum*, from Micronesia.

Euphorbiaceae-Acalypheae-Mercurialinae.

Pflr. 63 (IV. 147 vi): 1-473, 1914.

Monographic, includes species of *Macaranga* from Micronesia.

Pax, F. and Hoffmann, K.

Euphorbiaceae-Additamentum, VI.

Pflr. 68 (IV. 147 xiv): 1-81, 1919.

Monographic, includes several plants from Micronesia, e. g. *Claoxylon carolinianum* sp. nov., from Ponape, p. 16, *Macaranga thompsonii*, from Guam, p. 28, *M. carolinensis* var. *grandifolia*, n. var., from Ponape, p. 29.

Euphorbiaceae-Crotonoideae-Acalypheae-Acalyphinae.

Pflr. 85 (IV. 147): 1-231, 1924.

Monograph of the genus *Acalypha*, including Micronesian species, e. g. *A. trukensis*, sp. nov., from Truk (Kraemer), p. 151, and *A. grandis* var. *genuina*, from Palau (Ledermann, Kraemer), p. 150.

Pax, F. and Knuth, R.

Primulaceae.

Pflr. 22 (IV. 237): 1-386, 1905.

Monographic, includes *Lysimachia mauritiana*, p. 275, from Micronesia.

Pelzer, K. J.

Agriculture in the Truk Islands.

For. Agr. 11: 74-81, 1947.

Includes brief note on vegetation and information on economic plants and agricultural methods. Map, photos.

Pemberton, C. E.

A Javan wasp aids Saipan.

Res. Rev. 1949 (Nov.): 9-10, 1949.

Popular account of naturalization of a wasp to control coconut beetles. Mentions damage to coconut trees.

Progress in the control of invertebrate pests in the Pacific Islands.

Eighth Pac. Sci. Congr. Abstr. 122-123, 1953.

Mentions work on several plant pests and the introduction of insects in an attempt to control *Lantana camara* in Ponape.

Pickering, C.

Geographical distribution of animals and plants [Part II]: [in, U. S. Exploring Exped. 19 (2)]: 1-524, [Philadelphia, 1876].

On pp. 246-248, are mentions of Marshall Isl., with several plants recorded, and a description of Wake, with list of plants; on pp. 489-490, a brief

- account of the Marianas with remark that the monsoons are said to extend to them. LC: Q115. W6.
- Pickering, J.
On the language and inhabitants of Lord North's Island.
Mem. Am. Acad. Arts Sci. n. s., 2: 205-247, 1846.
Early account of Tobl I., with notes on material culture and on the effects of a typhoon in filling the taro-patches with sand. Based on reports from a rescued castaway sailor.
- Piper, C. V. and Dunn, S. T.
A revision of *Canavalia*.
Kew Bull. 1922: 129-145, 1922.
Key to known species. The index includes, p. 144, *C. megalantha* and *C. macrobothrys* from the Marianas, but no specimens were seen and the two species are not included in the keys.
- Planchon, J. E.
Ulmaceae.
DC. Prodr. 17: 151-210, 1873.
Monographic, includes, p. 201, *Sponia discolor* (synonym of *Trema*), mentioned with doubts, from the Marianas. See Lauterbach, 1913.
- Planchon, J. E. and Triana, J.
Mémoire sur la famille des Guttifères.
Ann. Sci. Nat. IV. Bot. 15: 240-319, 1861.
This is part III of a monograph. Includes *Calophyllum inophyllum*, from Guam, p. 284.
- Pope, H. B.
Nauru and Ocean Island. Their phosphate deposits and workings.
Jour. Dept. Agr. Vict. 19: 449-469, 1921.
Geographical and historical account with only the most incidental mention of vegetation, but with a number of photographs showing vegetation.
- Postels, A.
Notices géognostiques: in, Lütke, F., Voyage autour du monde... Le Sénégal...
3: 94-109, 1836.
Translated from German by J. M. de Genève. Includes geological and geographical notes on the Carolines and Guam, with a few words on plants and vegetation.
- Prager, M.
Volk und Inseln der östlichen Karolinengruppe.
Beitr. Kolon. Politik u. Kol. Wirtsch. 2: 47-59, 1900-1901.
Good geographical description of Ponape. Brief mention of vegetation, p. 51, and notes on edible plants, and timber. No scientific names given. Climate, pp. 53 et seq.
- Prantl, K.
Beiträge zur Systematik der Ophioglossen.
Jahrb. Bot. Gart. Berlin 3: 297-350, 1884.
Monographic. Includes, p. 351, *O. reticulatum*, from Palau (Tetens) and, p. 332, *O. pendulum*, from the Marianas (Gaudichaud).
- Preal, K. B. [C. B.]
Reliquiae Haenkeanae, seu descriptiones et icones plantarum, quas in America meridionali et boreali, in insulis Philippinis et Marianis collegit Thaddaeus Haenke.
1: 1-356, 1825-1830; 2: 1-152, 1831-1835.
Systematic studies of Haenke's collections, describing several new species from the Marianas. For dates see Stearn, Jour. Soc. Bibl. Nat Hist. 1: 153-154, 1938. Smi: 581. 9 P93.
- Supplementum tentaminis Pteridographiae...
Abh. Böhm. Ges. V, 4: 261-380, 1847; separate: 1-120, Prague, 1845.
Systematic, includes a few species from the Marianas: *Angiopteris angustifolia* p. 21, (Née), *Helminthostachys crenata*, from Guam (Haenke) (correcting erroneous habitat given in *Reliquiae Haenkeanae*), p. 60, *Lygodium semihastatum*, p. 101 (Née), *L. scandens*, from Guam (Née, Haenke), p. 102.
- Die Gefässbündel im Stipes der Farn.
Abh. Böhm. Ges. V, 5: 307-356, 1848; separate paged 1-48, tab. I-VII, 1847.
Includes records of several species from Ualan (Kusaie). Gives original description of *Gymnotheca mertensiana*, from Ualan (Mertens), in a footnote p. 13. Separate in NYBG.
- Epimelliae botanicae.
Abh. Böhm. Ges. V, 6: 361-624, 1851; separate: 1-264, Prague, 1849 [1851?].
For bibliographic information on date, see Bull. Torrey Bot. Club 32: 590 (footnote), 1905. General systematic notes including Micronesian species, e.g. *Gymnotheca mertensiana*, from Kusaie. Smi: 587. P93.

Price, W.

Pacific adventure.

1-317, N. Y., 1936.

Same book was published in Tokyo, 1936, under the title South Seas adventure. Visit to Japanese Mandated Islands, with notes on the influence of Japan. Only a few mentions of plants.

LC: DU500. P7.

Japan's islands of mystery.

1-225, London, Toronto, 1944.

Description of Micronesian Islands under Japanese Mandate. Only a few mentions of plants.

LC: DU500. P68.

Prothero, G. W. ed.

Former German possessions in Oceania.

Foreign Office Handbook 146: 1-98, London, 1920.

Includes brief paragraph on Micronesian Islands: geography, climate, languages, etc. Unimportant. LC: DU60. G7.

Prowazek, S. J. von

Die deutschen Marianen, ihre Natur und Geschichte. 1-125, Leipzig, 1913.

A monograph written after a visit to the Marianas. Pp. 74-86, chapter entitled "Die Natur der Marianen" includes geological, geographical and climatic data with mentions of vegetation. Pp. 104 et seq., "Die Flora", contain notes on vegetation and a list of species recorded from the Marianas by various authors. LC: DU643.P7.

Radlkofer, L.

Ueber die Gattung *Allophylus* und die Ordnung ihre Arten.

Sitzungsber. Akad. Wiss. München 38: 201-240, 1909.

Systematic treatment, with key to species from Asia and Oceania, pp. 226-234. References to species, p. 238. Includes *A. laetus* Radlk., p. 228, (Marianas) coll. Fritz (ref. p. 238, no. 119).

Gesamtübersicht über die Sapindaceen Papuasians: in, Lauterbach, Beiträge zur Flora Papuasians. Bot. Jahrb. 56: 251-316, 1920.

Includes at least one record from the Marshalls: *Allophylus ternatus*, p. 263.

Sapindaceae.

Pflr. 98 a-h (IV 165): 1-1539, 1931-1934.

Monographic, includes several species from

Micronesia.

Rallet, L.

Un naturaliste saintongeais: René-Primevère Lesson (1794-1849).

Ann. Soc. Sci. Nat. Charente-Maritime 3 (8): 77-131, 1953.

Biography of Lesson, including information on the voyage of the Coquille.

Ray, S. H.

The people of Greenwich Atoll, western Pacific Ocean.

Man 17: 187-190, 1917.

Includes short list of plants and uses of plant materials.

Record, S.

Notes on tropical timbers.

Trop. Woods 32: 1-6, 1932.

On pp. 2-4, discusses "Gumaan" driftwood, supposed to be a species of *Alstonia*, very light timber found in the Carolines. According to Kanehira, drifts to the Carolines from the Philippines or Celebes.

Reed, E. K.

General report on archeology and history of Guam. 1-133, Washington, 1952 (mimeographed).

Illustrated account with maps; a section on plants and vegetation, this inaccurate, mostly compiled from various sources. LC: DU647. A54, 1952.

Reeder, J. R.

The Gramineae-Panicoidae of New Guinea.

Jour. Arnold Arb. 29: 257-392, 1948.

Statements of distribution include casual mentions of Micronesia, e. g. *Digitaria longissima* from Peleliu, p. 290, *Ischaemum digitatum* var. *polystachyum* from the Marianas, p. 347.

Rehder, A.

The Bradley bibliography. A guide to the woody plants of the world published before the beginning of the twentieth century. Compiled at the Arnold Arboretum of Harvard University under the direction of Charles Sprague Sargent.

Pub. Arnold Arb. no. 3, vols. 1-5, 1911-1918.

Arranged by subjects, vol. 5 being an index by author and title. Includes many references found in this bibliography. The arrangement and additional material may be found useful. LC: Z5356. T8 R4.

Reichebach, H. G., f.

Orchidographische Beiträge.

Linnaea 19: 369-379, 1847.

- Description of many species of Orchidaceae, including two species of *Plexaure* from Ualan (Kusale), p. 371 (Mertens).
- Reid, C. F.
A bibliography of the island of Guam. 1-102, N. Y., 1939.
Extensive classified bibliography of the literature on the island. Includes sections on botany, agriculture, etc. LC: Z4741.R35.
- Reinbold, T.
Meersalgen von den Karolinen (meist von Yap) welche Prof. Dr. Volkens gesammelt hat. *Hedwigia* 40: 350-351, 1901.
Enumeration of 26 species.
- Renouard, A.
Les îles Carolines.
Bull. Soc. Géogr. Lille 4: 468-481, 1885.
Superficial account of history, and description. Unimportant.
- Rhone, R. D.
Nauru, the richest island in the South Seas. *Nat. Geogr. Mag.* 40: 559-589, 1921.
No mention of plants other than coconut and pandanus.
- Rice, F. M.
Notes on Ruk and the Mortlock Islands. [Amer.] *Mission. Herald* 91: 311-314, 1895.
Contains very brief notes on economic plants and their uses. Unimportant.
- Richard, A.
Botanique. II. Sertum Astrolabianum. I-LVI, 1-167, Paris 1834.
See Lesson, A. and Richard, A.
- [Riebow et al. ed.]
Die deutsche Kolonial Gesetzgebung; Sammlung der auf die deutschen Schutzgebiete bezüglichen Gesetze, Verordnungen, Erlassen und internationalen Vereinbarungen, mit Anmerkungen und Sachregister. 1893-1909, Berlin.
Editor varies with almost every issue. These collections of German orders, decrees, etc., for the German colonies include many concerning Micronesia, and furnish some data on agriculture, pest control, plant introduction, etc. LC: JV2053.A3.
- Riesenberg, S. H.
Magic and medicine in Ponape.
- SW. Jour. Anthropol. 4 (4): 406-429, 1948.
Includes a list of plants, with native names, most of them determined by Fosberg.
- Robertson, R.
The Caroline Islands.
Trans. Asiat. Soc. Japan 5: 41-63, 1877.
Account of voyage of schooner "Rupak" to various Caroline Islands; includes notes on uses of plants; very little on vegetation.
- Robson, R. W.
The Pacific Islands handbook. 1-371, N. Y., 1945.
General information on the Pacific Islands, including much useful data on geography, and incidental mentions of vegetation, weather, and economic plants. *Micronesian Islands*, pp. 132-177. LC: DU1.P143, 1944.
- Rogers, D. P.
Fungi of the Marshall Islands, central Pacific Ocean. *Pac. Sci.* 1: 92-107, 1947.
Enumerates and discusses fungi, principally collected on the University of Hawaii Expedition, 1946.
- Rogers, W.
A cruising voyage round the world. . . . 1-428, appendix 1-56, index, London, 1712.
Voyage made in 1708-1711. Includes, pp. 360-368, account of visit to Guam, with unimportant mentions of food plants. Notes abundance of "Indico plant". LC: G420.R6, 1712, rare books.
- Roth, G.
Uebersicht über die Gattung Calymperes. *Hedwigia* 51: 122-134, 1911.
Short synopsis of genus, mentioning *C. thyridioides* Broth. from Yap, p. 127, and *C. chamissonis* "von den Koralleninseln der Südsee", p. 130.
- Royal Society of London
The atoll of Funafuti. Borings into a coral reef and the results. 1-428, London, 1904.
General account of the boring expedition. There are incidental mentions of the Gilberts, see Finckh, 1904. Smi. 593.6 L847.
- Saccardo, P. A.
Sylloge fungorum omnium hucusque cognitorum. 25 volumes, 1882-1931 (LC copy has imprint: published by J. W. Edwards, Lithoprinted by Edwards Brothers, Inc., Ann Arbor, Michigan, 1944).
Includes in 2: 182, Patavii, 1883, two species from the Marshall Islands (Chamisso). LC: QK603.S3.

Sachet, M. -H.

Present status of vegetation studies in the Pacific Basin.

Eighth Pac. Sci. Congr. Abstr. 151-153, 1953.

Briefly mentions literature on Micronesian vegetation.

Sadebeck, R.

Die wichtigeren Nutzpflanzen und deren Erzeugnisse aus den deutschen Colonien.

Jahrb. Hamb. Wiss. Anst. 14: 19-156, 1897.

Descriptions of a number of economic plants from the German colonies, with their uses. The exact habitat is not usually given but many of these plants are found in Micronesia e. g. coconut, *Coelococcus carolinensis*, p. 27, *Piper methysticum*, p. 65, etc.

Safford, W. E.

Guam and its people.

Am. Anthrop. n. s. 4: 707-729, 1902 (reprinted, with revisions, in Ann. Rep. Smiths. Inst.

Append. 1902: 493-508, 1903).

Includes notes on vegetation, climate, cultivated and introduced plants, etc.

Extracts from the note-book of a naturalist on the island of Guam.

Plant World 5: 161-168, 193-198, 1902; 6: 25-32, 49-54, 73-78, 97-103, 123-130, 147-153, 173-179, 205-211, 232-237, 257-262, 278-284, 1903; 7: 1-8, 25-31, 53-60, 81-87, 113-118, 141-146, 163-169, 189-195, 213-220, 237-245, 261-268, 285-298, 1904.

Includes many important notes on plants and vegetation.

The useful plants of the island of Guam.

Contr. U. S. Nat. Herb. 9:1-416, 1905.

Comprehensive account of history, exploration, vegetation, ethnobotany, etc. In the "Descriptive catalogue" arranged alphabetically, pp. 170-404, most references are by W. F. Wight.

A year on the island of Guam....

1-190, [1910?]

Reprinted, without date, from Plant World. (See Safford 1902-1904). LC: DU647.S4.

Guam. Reprint of a lecture delivered before the D. C. Society of the Sons of the American Revolution at Washington, D. C., April 19, 1911.

1-32, Washington, 1912 a.

History, geography and conditions on the island when Safford went there are described. Casual mentions of plants. Unimportant as compared to Safford's other works. LC: DU647.S2.

Safford, W. E.

Papualthia Mariannae, a new species of Annonaceae from the island of Guam.

Jour. Wash. Acad. Sci. 2: 459, 1912 b.

Description of the plant now called *Guamia mariannae*.

Cultivated plants of Polynesia and their vernacular names, an index to the origin and migration of the Polynesians.

Bishop Mus. Spec. Pub. 7: 183-187, 1921 a (Proc. 1st Pan-Pac. Sci. Conf.).

Includes vernacular names, with botanical equivalents, for economic plants from many islands in the Pacific, from Easter to Guam and Malaysia.

Dispersal of plants by ocean currents.

Bishop Mus. Spec. Pub. 7 (2): 535-536, 1921 b (Proc. 1st Pan-Pac. Sci. Conf.).

Brief reference to Guam, about seeds picked up on the beach.

[Sweet potato in Guam].

Bishop Mus. Spec. Pub. 7 (1): 192, 1921 c. (Proc. 1st Pan-Pac. Sci. Conf.).

Brief comment appended to article on New Zealand by Chilton, pointing out that the sweet potato had not reached Guam before the Spaniards.

The Mariana Islands.

Guam Record. 18: 235-237, 248-249, 1941.

On pp. 235-236, is a description of the principal woods of Guam, taken from the diary of Spanish governor Pablo Perez, 1849, with botanical names added by Safford. Safford's MS is now in Library of Congress.

St. John, H.

Distribution of *Ophioglossum* on islands of the Pacific Ocean. Pacific plant studies 2.

Occ. Pap. Bishop Mus. 17: 177-182, 1943.

O. reticulatum, pantropic species, extends through Micronesia. *O. pendulum* reported from Mille (Mill) Atoll, Marshall Islands, collected by E. Bailey, is said to be a probable error in data.

- St. John, H.
Tinian plants collected by R. S. Cowan.
Bull. Torrey Bot. Club 73: 588, 1946.
Three species reported: *Cyclophorus lanceolatus*, *Jatropha gossypifolia*, and *Callicarpa cana*.
-
- Report on the flora of Pingelap Atoll, Caroline Islands, Micronesia, and observations on the vocabulary of the native inhabitants: Pacific plant studies 7.
Pac. Sci. 2: 96-113, 1948 a.
Catalogue of plants collected by St. John in Dec. 1945, with notes. The first part includes brief mention of vegetation, chapter on ethnobotany, with table of native names of plants on Pingelap and in four other native languages. Some of the photos show vegetation.
-
- Plant records from the Caroline Islands, Micronesia. Pacific plant studies 8.
Pac. Sci. 2: 272-273, 1948 b.
New records from specimens collected by the author in 1945.
-
- Origin of the plants used for sustenance in aboriginal Polynesia.
Proc. Haw. Acad. Sci. 23: 9, 1948 c.
Abstract of attempt to trace origin of names of food plants used in Polynesia, Melanesia, Malaysia, and Micronesia, as bearing on early migrations of the Polynesians.
-
- Plant records from Aur Atoll and Majuro Atoll, Marshall Islands, Micronesia . . .
Pac. Sci. 5: 279-286, 1951 a.
Many species of vascular plants reported, with Marshallese names given for most of them; distribution map for *Canavalia sericea*.
-
- The distribution of *Pisonia grandis* (Nyctaginaceae).
Webbia 8: 225-228, 1951 b.
A short summary of the ecology and distribution of this widespread strand plant in the Pacific, including Micronesia, with a map.
-
- A new variety of *Pandanus* and a new species of *Fimbristylis* from the central Pacific Islands . . .
Pac. Sci. 6: 145-150, 1952.
One new combination in *Pandanus* from Eniwetok, and *Fimbristylis atollensis* from the Marshalls, and the Carolines; map.
- St. John, H.
Adventive plants in the Marshall Islands before 1941. Eighth Pac. Sci. Congr. Abstr. 173-174, 1953 a.
Lists and discusses briefly the plants regarded by author as of aboriginal and post-European introduction.
-
- Narrow endemism in Oceania, as evidenced by the genus *Cyrtandra*.
Eighth Pac. Sci. Congr. Abstr. 214, 1953 b.
Mentions occurrence of *Cyrtandra* on Ponape and Kusaie.
- St. John, H. and Fosberg, F. R.
A new variety of *Ruppia maritima* (Ruppiales), from the tropical Pacific.
Occ. Pap. Bishop Mus. 15: 175-178, 1939.
R. maritima reported from Guam, specimens not seen.
- St. John, H. and Mason, L. E.
Vernacular names of the plants of Bikini, Marshall Islands. Pacific plant studies 12.
Pac. Sci. 7: 165-168, 1953.
An attempt to determine native names of plants found in Bikini, but based on specimens collected on Kili.
- St-Yves, G.
L'océanie.
1-398, Tours, 1903.
Includes Marshall, Caroline and Marianas Islands, pp. 217-227, with general notes on history, geography, and a few mentions of plants. No description of vegetation. LC: DU22.S25.
- Sajö, K.
Bilder aus Polynisien.
Prometheus 17: 614-618, 629-633, 644-669, 683-688, 678-683, 1906.
Notes on Guam, mostly describing economic plants, largely drawing from Safford's "Useful plants of Guam," and reproducing some of the illustrations.
- [Sakurai, J. ed.]
Scientific Japan past and present.
1-359, Kyoto, 1926.
Chapters on various subjects by different authors. That on botany by Hayata, includes Micronesia.
GS: 030 (820) N21s.

[Sakurai, K.]

[Apogamy of papaya].

Guntō no Sangyō [Dec. 1932]: [7-11, 1932 a].

Description of apogamy in papaya, and results of some experiments. Abstract Ashizawa.

[-----]

[Variation of sex in papaya].

Guntō no Sangyō [Nov. 1932]: [1-10, 1932 b].

Discussion of change of sex of papaya. Abstract Ashizawa.

[-----]

[Classification of papaya].

Guntō no Sangyō [Aug. 1932]: [1-24, 1932 c].

Classification by flower, by fruit. Abstract Ashizawa.

Sakurai, K.

Beobachtungen über Japanische Moosflora XXVI, XXVII. Bryoflora von Micronesia I, II.

Bot. Mag. (Tokyo) 57: 86-92, 249-257, 1943.

Enumerations. Include several new species from Micronesia.

Salesius, D.

Die Karolinen-Insel Yap.

1-173, Berlin, [1907].

Book seen was not dated. Monographic, including valuable information on natives. The first part includes geography, vegetation, climate, etc. Vegetation and flora not original, said to be treated after Volkens. NYPL:BIH.

Salvoza, F. M.

Rhizophora.

Nat. Appl. Sci. Bull. Univ. Philip. 5: 179-237, 1936.

Monograph, including notes on mangrove vegetation, ecology, distribution, etc. Includes *R. mucronata*, from Guam, p. 216, and *R. apiculata*, pp. 229-233, from Guam and Yap.

Sanchez y Zayas, E.

The Marianas Islands.

Naut. Mag. 34: 449-460, 641-649, 1865; 35: 205-213, 253-266, 297-309, 356-363, 462-472, 1866.

General account, with detailed descriptions of islands, by a Spanish Navy captain. There are a few casual mentions of plants. The northern islands are not all rightly identified.

Sarfert, E.

Kusae; in, G. Thilenius, Erg. Süds. Exp. II B

4, 1: 1-298, 1919; 2: 299-540, 1920.

Vol. 1 includes geography, with mentions of vegetation, climate, plants, cultivated plants, etc. Good photos showing vegetation. Vol. 2 non botanical.

Sasaki, H. and Uehara, H.

[Southern plants].

1-267, Tokyo, 1942.

Not seen.

Sata, N.

A monographic study of the genus *Ficus* from the point of view of economic botany.

The Research and Survey nos. 143 and 144, Formosa, 1944, reprinted in Contr. Inst. Hort. Ec. Bot. Taihoku no. 32; 1-405, 1-289, 1944.

Ficus species from Formosa and the Philippines. Casual mention of Micronesian species. Sml.

Sato, Z.

Geology of Babelthuap Island (Palau main island) and the Annexed Islets.

Bulletin of Natural History 38 (72): 92-104, 1941

(translation by R. Endo, 1949 filed in USGS library).

Mentions conifer fossils in lignite beds.

Sawada, H.

[Tannin-containing plants of the South Seas].

Sangyō no Nanyō 3 (10): 8-14, 1940.

Not seen.

Schauer, J. C.

Verbenaceae.

DC. Prodr. 11: 522-700, 1847.

Monographic, with several Micronesian species, e. g. *Vitex negundo*, p. 685, *Premna gaudichaudii*, p. 631, *Clerodendron inerme*, p. 660, all from the Marianas.

Schellenberg, G.

Die Connaraceae von Mikronesien; in, Diels, 1924. Bot. Jahrb. 59: 17, 1924 a.

Comarus gaudichaudii reported from Palau.

Eine neue Icacinacee von den Palau-Inseln; in, Diels, 1924.

Bot. Jahrb. 59: 17, 1924 b.

Urandra elliptica described from Palau.

[Scherzer, K.]

Reise der Oesterreichischen Fregatte "Novara" um die Erde in den Jahren 1857, 1858, 1859, unter den Befehlen des Commodore B. von Willerstorff-Urbair.

- Beschreibender Theil II: 1-454, Wien, 1861.
Written by Scherzer, K. but not signed. Account of scientific expedition around the world. Sailed through the Carolines on the way from China to Stewart I. (Sikalana). Mentions, pp. 276-289, Puynipef (Ponape), gives a description of the island, and mentions cultivated plants, with a few notes on vegetation. LC: Q115.N9.
- Scherzer, K.
Narrative of the circumnavigation of the globe by the Austrian frigate Novara
3 vols., London, 1861-1863.
See above entry. LC: Q115.N8987; Q115.N92.
- Schindler, A. K.
Halorrhagaceae.
Pflr. 23 (IV. 225): 1-133, 1905.
Monographic, mentions Halorrhagis scabra var. elongata, p. 29, from Micronesia.
- Schinz, H. and Guillaumin, A.
Siphonogamen.
Nova Caled. Bot. 1 (2): 113-176, 1920.
Includes some plants from Micronesia (Marianas and Marshalls); among them Mariscus pennatus (Lam.), comb. nov., from the Marianas.
- Siphonogamen.
Nova Caled. Bot. 1 (3): 177-255, 1921.
Includes Corchorus torresianus and Glossogyne tenuifolia, from the Marianas.
- Schlechter, R.
Balanophoraceae: in, Volkens, 1914.
Bot. Jahrb. 52: 14-15, 1914 a.
Description of Balanophora pedicellaris, sp. nov. from Truk, (Krämer coll.).
- Die Orchidaceen von Mikronesien: in, Volkens, 1914.
Bot. Jahrb. 52: 5-13, 1914 b.
Discussion of species, many of them new, from different island groups in Micronesia. Several collectors.
- Die Asclepiadaceen von Mikronesien: in Diels 1921, Bot. Jahrb. 56: 565-569, 1921 a.
Discussion of several genera, with a key. Some new species described, from several collections including Ledermann's.
- Schlechter, R.
Die Elaeocarpaceen von Mikronesien in Diels, 1921, Bot. Jahrb. 56: 562-564, 1921 b.
Two new species of Elaeocarpus described from Ledermann's collection.
- Die Gesneraceen von Mikronesien in Diels, 1921, Bot. Jahrb. 56: 576-577, 1921 c.
Discussion of two species of Cyrtandra; C. urvillei from the Carolines, several collections, C. palawensis, sp. nov., from Palau (Ledermann 14523).
- Die Orchidaceen von Mikronesien: in, Diels, 1921, Bot. Jahrb. 56: 434-501, 1921 d.
Systematic, with keys to genera and species. Many new species described. Records from several collections.
- Die Scrophulariaceen von Mikronesien: in, Diels, 1921, Bot. Jahrb. 56: 570-575, 1921 e.
Discussion of a number of species found in several collections, from all island groups.
- Schlittler, J.
Monographie der Liliaceen Gattung Dianella Lam. Mitt. Bot. Mus. Univ. Zürich 163: 1-283, t. I-XXXV, 1940.
Enormous amount of anatomical and morphological work. But the systematics look very unsound, nomenclature careless, geography unlikely. Includes several Micronesian species, e. g. D. nemorosa from the Marianas, p. 256, D. carolinensis from Yap, p. 260.
- Schmid, G.
Chamisso als Naturforscher.
1-175, Leipzig, 1942.
Complete bibliographic account, with detailed list of all editions of all works of and referring to Chamisso on natural history, with biographic introduction. LC: Z8159.S3.
- Schmidle, W.
Einige Algen welche Prof. Dr. Volkens auf den Carolinen gesammelt hat.
Hedwigia 40: 343-349, 1901.
Enumeration of species, some of them new, e. g. Plectonema volkensti, p. 343.
- Schmidt, A.
Atlas der Diatomaceenkunde.
Ser. I-VII, Leipzig, [1874]-1940.

Atlas of plates, illustrating diatoms from all parts of the world, including Micromesian species, e. g. Ser. I, to. 11 and 12, diatoms from the Pelew (Palau) and Kingsmill (Gilbert) Islands. Issued in Hefte of 4 plates, 12 Hefte to a series. The first one undated, the second dated Jan. 1875. For detailed dates see Jour. Bot. 44: 384-386, 1906. Acad. Sci. Philadelphia.

Schmidt, O. C.

Verzeichnis der Meeresalgen von Neu-Guinea und dem westlichen Ozeanien.

Hedwigia 68: 19-86, 1928.

Enumeration of species with records from Micronesia: Marianas, Carolines, Wake.

Schmidt, R. G.

Geology of the vicinity of Mt. Santa Rosa, Guam, Marianas Islands.

1-51, Saipan, 1948 (typescript draft report, filed in the U. S. Geological Survey and in the Office of the Governor of Guam, unpublished).

Contains detailed discussion of geology, with study on pp. 6-8, of the relation of vegetation to underlying soil and rock. Concludes that the difference between the vegetation of volcanic soil and limestone, is not due to soil moisture as thought by Stearns, but that "it is likely that a fundamental difference in the mineral composition and chemistry of the soils ... may play the primary part in establishing the vegetation pattern." See Stearns, 1937.

Schnee, H., ed.

Deutsches Kolonial-Lexicon.

1: 1-776; 2: 1-698; 3: 1-778, 1926.

Much interesting information, by different specialists, under such headings as names of plants, names of islands, mangrove, vegetation, etc. Maps, and good pictures of plants and vegetation. LC: JV2907.D4.

Schnee, [P.]

Die Noddy-Insel im Jaluitatoll.

Zool. Gart. 43: 301-302, 1902.

Brief description of a small islet of Jaluit, where noddies nest. Mentions that it has no coconuts or breadfruit, but ironwood (*Pemphis?*), *Barringtonia* and *Pandanus*.

Land und Leute der Marshallinseln.

Zeitschr. Kol. Politik 6: 245-265, 1904.

Popular, general notes, with incidental mentions of vegetation and plants. Mostly about

Jaluit.

Schnee, [P. ?]

Durch Pflanzen verursachte Hautverletzungen und Entzündungen.

Arch. Schiffshygiene 14: 138-146, 1910.

Discussion of many plants reported to irritate the skin, mainly from the Marianas and high islands of the Carolines, but with a few mentions of Jaluit.

Schnee, [P.]

Die verwilderten Haustiere auf Tinian.

Zeitschr. Kol. Politik 13: 350-362, 1911.

Includes brief description of the island and its vegetation, and mentions of various plants.

Bilder aus den Karolinen und Marianen.

Zeitschr. Kol. Politik 14: 610-629, 1912 a.

Reminiscences of the author's life in Ponape and the Marianas, including incidental mentions of a few plants.

Einiges über die höhere Tierwelt der Marianen.

Zeitschr. f. Naturwiss. 82: 456-470, 1912 b.

Includes brief notes on Saipan, and mentions a few plants.

Schott, G.

Klimakunde der Südsee-Inseln: in Köppen and Geiger, Handbuch der Klimatologie.

4 (T): 1-114, 1938.

Comprehensive summary of climate of all the Micromesian groups, with occasional remarks on the vegetation. NYPL: PR3.

Schröter, H.

Monographie der Gattung *Procris* II.

Repert. Sp. Nov. 45: 257-300, 1938.

Includes, p. 271, *P. ponapensis* comb. nov., from Ponape (Herb. Winkler).

Schulz, O. E.

Eine Crucifere der Karolinen: in Diels, 1921.

Bot. Jahrb. 56: 507, 1921.

Brassica integrifolia var. *timoriana*.

Schumann, K.

Die Flora des deutschen ost-asiatischen Schutzgebietes.

Bot. Jahrb. 9: 189-223, 1888.

Systematic. Includes Finckh collection from Gilberts, Marshalls and Carolines, with mentions

of species from the Marianas. Also Jensen collection from Gilbert Islands.

Schumann, K.

Zingiberaceae.

Pflr. 20 (IV. 46): 1-458, 1904.

Monographic, includes a species of *Alpinia* mentioned from Yap, p. 313.

Schumann, K. and Lauterbach, K.

Die Flora der deutschen Schutzgebiete in der Südsee.

1-613, T. I-XXII, Leipzig, 1901.

Enumeration, including many Micronesian species. Sml.: 460. 2 Sch85.

Nachträge zur Flora des deutschen Schutzgebiete in der Südsee.

1-446, T. I-XIV, Leipzig, 1905.

Enumeration containing a few Micronesian species, e. g. *Ficus carolinensis* Warb., *Stackhousia viminea*, etc. Sml.: 460. 2 Sch85.

Schuster, J.

Cycadaceae.

Pflr. 93 (IV. 1): 1-168, 1932.

Monographic. On pp. 66, 71, 73, and 77, mentions Micronesian species. Omits Micronesian range on distribution map, except Palau.

Schwabe, K. ed.

Die deutschen Kolonien.

2: 1-164, Berlin, [1909].

General description of German Pacific Island colonies; pp. 101-113 concern Micronesia (text by Krämer) and include some color photos showing vegetation and plants. LC: JV2027.S4.

Scribner, F. L.

Notes on the grasses in the Bernhardi Herbarium collected by Thaddeus Haenke, and described by J. S. Presl.

Missouri Bot. Gard. Rep. 10: 35-59, 1899.

A number of species are recorded from the Marianas, e. g. *Cenotheca lappacea*, p. 40, *Ischaemum polystachyum*, p. 44, etc.

Seale, A.

Report on a mission to Guam.

Occ. Pap. Bishop Mus. 1: 17-128, 1901.

Non-botanical, except for mention of *Barringtonia speciosa* used as fish poison.

Quest for the Golden Cloak.

1-135, San Francisco, 1946.

Reminiscences of a naturalist in the Pacific, includes a visit to Guam in 1900. No mention of vegetation, only a few plants mentioned incidentally. LC: QH3L.S4 A3.

Searles, P. J.

Geology of the Marianas Islands.

Guam Record. 13 (4): 1, 19, 1936 a.

Brief notes on islands other than Guam, with a word on soils and plants.

Guam after the Spanish conquest. Part V.

Guam Record. 13 (3): 6-7, 1936 b.

Contains very brief references to collections of plants by d'Urville and to planting of coconuts by Governor Cerain in late 18th century.

Seemann, B.

Flora Vitiensis: A description of the plants of the Viti or Fiji Islands with an account of their history, uses and properties.

1-453, London, 1865-1873.

The first comprehensive account of a Pacific flora, basic to all Pacific botany. Includes a few Micronesian references. Sml.: 460. 22 Se 1 F.

Seidel, H.

Von den Marshall-Inseln.

D. Kolon. Zeit. 19: 193-197, 233-237, 1902.

General notes, mostly about Jaluit, with mentions of vegetation and the most conspicuous plants. Some of the pictures show vegetation.

Tobi in Westmikroesien, eine deutsche Insel mit acht Namen.

Globus 86: 13-15, 1904.

Historical account of various visits to Tobi, explaining how it received its various names; includes a paragraph describing the island, and another on climate. Incidental, very brief mentions of plants (presence of tall trees, coconut palms).

Die Insel Tinian und ihre Stellung im Marianen Bogen.

Geogr. Zeitschr. 20: 558-567, 1914.

Compilation, from sources cited all along; a brief description, with mentions of plants and climate.

Die deutsche Marianeninsel Rota.

D. Rundsch. 37: 145-155, [1915].

Geographical description of the island. Includes incidental brief mentions of vegetation and plants, especially on p. 149. The map gives information on vegetation, especially distribution of coconuts, of great interest historically.

Semper, G.

Auf der Insel Yap gesammelte Schmetterlinge und deren Verwandlungsgeschichte.
Jour. Mus. Godeffroy 2: 60-64 (131-136), 1873.

Non-botanical, except for occasional mentions of insects' foods.

Semper, K. G.

Die Palau-Inseln im Stillen Ocean.
1-372, Leipzig, 1873.

Voyage to Palau in 1861-62 (?). The author lived at Tabatteldil in Babelthaub, visited the other islands such as Kreiangel, Coröre (Koror), Malakka and the southern islands of the group. There are mentions of some plants and some descriptions of vegetation. An interesting account of life among the natives. LC: DU790.S47.

Auf der Palau-Inseln: ein Südsee-Idyll.
1-152, Berlin, undated.

A short and popular edition of Semper's book. Unimportant. NYPL: BIH.

Senfft, A.

Wörterverzeichnis der Sprach der Marshall-Insulaner.
1-183, Berlin, [1900] reprinted from Zeitschrift für afrikanische und oceanische Sprachen 5: 79-96, 97-157, 1900.

German-Marshallese and Marshallese-German vocabulary with many words for plants and plant products, but not very useful because of lack of botanical names for plants. LC: PL6255.Z5 S4.

Ueber einen Besuch des Uluti-Atolls (West-Karolinen).

D. Kolonialbl. 12: 824-825, 1901.

Senfft visited Uluti (Ulithi) in May 1901. Noticed that some coconut trees were diseased and ordered them cut down.

Bericht über den Besuch einiger Inselgruppen der West-Karolinen.

Mitt. deutsch. Schutzgeb. 17: 192-197, 1904 a.

Includes brief notes on food plants and vegetation of several islands, e. g. Fais, Aurepik, etc.

[Senfft, A.]

Reise der Kaiserlichen Bezirksamtmanns Senfft in Jap nach den Westkarolinen.

D. Kolonialbl. 15: 12-14, 1904 b.

Account of trip, includes list of useful plants of Lamutrik, and a few from Oleai (Woleai).

Bericht über seine Rundreise durch die Westkarolinen und Palau-Inseln.

D. Kolonialbl. 17: 281-284, 1906.

Visited Woleai, Lamotrek, Satawal, Gaferut, Fais, and Ulithi; briefly describes vegetation, mostly coconut plantations, with notes on a few other food plants.

Die Ngulu- oder Matelotasinseln.

Globus 94: 303-304, 1908.

Description of atoll, with some notes on plants, mostly useful ones.

Setchell, W. A.

Marine plants and Pacific palaeogeography.

Proc. 5th Pac. Sci. Cong. 4: 3117-3131, 1934.

Discusses distribution of several plants occurring in Micronesia, mentioning incidentally occurrences in the Marianas and showing Micronesian distribution on maps.

Shaw, H. K. A.

On the distribution of *Pisonia grandis* R. Br. (Nyctaginaceae), with special reference to Malaysia.

Kew Bull. 1952: 87-97, 1952.

Includes notes on distribution (with map for Malaysia) mentioning occurrence on Marcus and Guam. Discussion of factors possibly influencing distribution. Notes on nomenclature and taxonomy, bibliography.

Sherff, E. E.

Revision of the genus *Cosmos* (family Compositae).

Field Mus. Nat. Hist. Bot. Ser. 8: 401-447, 1932.

Mentions *C. sulphureus* from Guam, pp. 409-410.

Further studies in the genus *Dodonea*.

Field Mus. Nat. Hist. Bot. Ser. 23: 269-317, 1947.

Systematic, includes *D. viscosa* var. *vulgaris* f. *repanda*, from Guam, p. 276.

Sherman, J.

Useful trees of Guam.

Guam Record. 11: 301-302, 1935.

A list of native names of trees with their uses.

A few English equivalents are given, but no Latin names.

[Shimizu, K.]

[Effects of drought on sugar cane in the South Sea Islands].

Guntō no Sangyō [Oct. 1932]:[1-52, 1932].

Includes information on physiological effects, and notes on resistant varieties. Mentions environmental conditions; concerns the Marianas. Abstract Ashizawa.

[Miscellaneous diseases and insects of sugar cane].

Guntō no Sangyō [Dec. 1932]:[12-22, 1932];

[Jan. 1933]:[22-28]; [June, 1933]:[1-8, 1933].

Includes information on sugar cane variety, and mention of *Ustilago sacchari* Rbh. as causal agent of a disease. Abstract Ashizawa.

[Sugar cane borer "*Rhabdoenemis obscurus* Boisd. "].

Guntō no Sangyō [Oct. 1934]:[2-20]; [Nov. 1934]: [1-32, 1934].

Includes information on effect of pest on sugar cane, and on sugar content, and notes on control, selection of varieties, etc. In Saipan. Abstract Ashizawa.

[Shinkosha Press]

Nihon chiri taikai.

[4: 1-535, 1930; supplement 2: 1930.]

Includes photos of vegetation in the Bonins and Micronesia (suppl.). Japanese text. LC: Orient. Jap. 291 Y 32.

[-----]

Nihon chiri fūzoku taikai.

[1: 1-792, Tokyo, 1937, revised edition.]

Includes good photographs of Micronesia and the Bonin Islands. Text in Japanese. LC: Orient. Jap. 291 N15.

Sievers, W. and Kükenthal, W.

Australien, Ozeanien und Polarländer.

1-640, Leipzig and Wien, 1902, ed. 2.

Micronesia described on pp. 432-472. General treatment, including data on climate, vegetation, etc. Apparently mostly compiled. LC: DU21.S58.

Sisam, J. W.

The use of aerial survey in forestry and agriculture.

Joint Pub. no. 9: 1-59, 1947, published by

Imp. Forestry Inst. and Imp. Bur. Pastures and Field Crops, Great Britain.

Includes many aerial photos, some of them showing tropical vegetation types (New Guinea). Extensive bibliography. Includes, fig. 54, view of sugar-cane field in Saipan. Smi.: 778. 35 S62.

Skogman, C. [J.]

Fregatten Eugenies Resa Omkring Jordan Åren 1851-1853 under Befäl af C. A. Virgin.

2 vols., Stockholm, 1855.

In Swedish; see Andersson, 1854 and Skogman, 1856. Smi.: 508.2 E87.

Erdumsegelung der Königl. Schwedischen Fregatte Eugenie . . .

2 vols., Berlin, 1856.

Translated from Skogman, 1855 by A. von Etzel. Narrative of expedition, mentioning visits to Mokl, Ponape, and Guam, with some information on economic plants and vegetation. See also Andersson, 1854. Phila. Acad. Sci.

Skottsberg, C.

The flora of the Hawaiian Islands and the history of the Pacific basin.

Proc. 6th Pac. Sci. Cong. 4: 685-707, 1940.

21 maps showing distribution of representative genera of plants and tectonic lines in the Pacific. Maps include Micronesian distribution, but this is not specifically discussed. Studies distribution and biogeography in the Pacific, mentioning several theories, including Wegener's drift theory.

Sleumer, H.

Die malesisch-pacifischen Xylosma-Arten.

Notizbl. 14: 288-297, 1938.

Enumeration of species with a key. Includes *Xylosma nelsonii* from Guam, p. 296.

Beitrag zur Kenntnis der Proteaceen Papuasens; in, Diels, L., Beiträge zur Flora von Papuasien XXIV. Bot. Jahrb. 70: 125-148, 1939.

Systematic treatment, with keys to species of several genera. Includes *Grevillea micronesica*, comb. nov., from Palau, p. 129.

Beiträge zur Kenntnis der Icacinaceen und Peripterylaceen.

Notizbl. 15 (2): 228-257, 1940; II, 15 (3): 359-365, 1941.

Systematic. First part, not seen, includes

- Merrilliodendron megacarpum, with synonymy, found in Micronesia.
- Slooten, D. F. van
Die Verbreitung von Lumnitzera und einigen anderen Mangrovegewächsen.
Blumea Suppl. 1: 162-175, 1937.
Includes notes on the Micronesian occurrence of Lumnitzera littorea, p. 165, and remarks on mangrove vegetation.
- Smith, A. C.
Studies of Pacific island plants--I.
Bull. Torrey Bot. Club 68: 397-406, 1941.
Myristica insularis Kaneh., from the Carolines, described and discussed, pp. 402-403.
- Fijian plant studies II.
Sargentia 1: 1-148, 1942.
Incidentally mentions or discusses Micronesian records.
- Studies of Pacific island plants, II. Notes on the Pacific species of Piper.
Jour. Arnold Arb. 24: 347-361, 1943.
Mentions Micronesian occurrence of Piper methysticum Forst. f.
- Snow, B. G.
Fearful and destructive gale in the tropics.
Friend 21: 80, 1864.
Account of a gale on Ebon (May 1864) and its effect on vegetation.
- [So, M.]
[Report on tropical farm products]: in, [Department of Education . . .], [Supplement to the Report . . .], 68-86, Tokyo, 1917.
Includes description of current agricultural situation for the various groups of islands. Recommendations for improvements, suitable crops, and establishment of agricultural experiment station. Abstract Takeda.
- Solms-Laubach, H. [Graf zu]
Monographia Pandanacearum.
Linnaea 42: 1-108, 1878.
Systematic, mentioning, p. 66, Hombronnia edulis Gaud., from the Marianas, and, p. 49, suggesting that this belongs with Pandanus dubius.
- [Someki, A.]
A cruise in the waters around the Island Yap (Yappu ritō junkō-ki).
Jap. Jour. Ethn. 3 (3): 545-604, 1937.
Titles in English on cover. In Japanese. Small maps of atolls. Account of geography and material culture of atolls of western central Carolines, including uses of plant material. Yap is not one of the islands studied.
- [Someki, A.]
Ethnographical notes on the Yap Island (Sek'ka-tō dozoku dampen).
Jap. Jour. Ethn. 6 (2): 194-245, 1940.
Titles in English on cover. In Japanese. Account of material culture and other aspects of Yap ethnology. Mentions of plants used in manufacture of some items.
- [-----]
Micronesia no Fūdo to Mingu [Climate and folk tools of Micronesia].
1-488, 1-32, Tokyo, 1945.
Discusses uses of plants in all Micronesian groups. Map. In Japanese.
- Sonnenschein,
Aufzeichnungen über die Insel Nauru (Pleasant Island).
Mitt. deutsch. Schutzgeb. 2: 19-26, 1889.
Notes on aspect of island and native life, with a word on vegetation and mention of a few plants (coconut, a cucurbit, Pandanus).
- [South Sea Government]
Material resulting from an investigation of the islands of the South Sea Mandate (Inin ōji chiki Nanyō-guntō chōsa shiryō, 1).
1: 1-579, 1927.
Someki, A. ed. Collection of articles by several authors, some of them botanical and listed here by authors. Not seen.
- [South Sea Government Tropical Industries Institute Progress Report, Forestry] Nanyō-chō Nettai Sangyō Kenkyū-shō. Ringyō-ka.
[Botanical catalogue of the Trop. Ind. Inst. South Sea Gvt.] Nanyō-chō Nettai Sangyō Kenkyū-shō, shokubunshū mokuroku.
1-44, 1937.
Not seen.
- Sparhawk, W. N.
Notes on forests and trees of the central and southwest Pacific area.
U. S. Forest Service 78 pp., unpaginated, undated. [1945] (mimeographed).

Brief compilation on forest vegetation, lists of trees with notes and native names, from various island groups, including Micronesia, pp. 18-21: no original information, but compiled from sources given in bibliography. Sml. :582.16 S73.

Sparrow, F. K.

Soil Phycomycetes from Bikini, Eniwetok, Rongerik and Rongelap atolls.

Mycologia 40: 445-453, 1948.

Several species of Chytridiales cultured from soil samples, two described as new.

Spoehr, A.

Majuro a village in the Marshall Islands.

Fieldiana: Anthropology 39: 1-266, 1949.

A study of life on an atoll. Includes mentions of climate, vegetation and food plants. Some of the photos show vegetation. Several maps. Notes on agriculture and uses of plants other than food. LC: DU710.S6 (separate).

Spring, A. F.

Beiträge zur Kenntnis der Lycopodien.

Flora 21: 161-175, 1838.

On pp. 165-166, discusses the relationship of *Lycopodium capillaceum* and *L. marianum* from the Marianas, with *L. cernuum*.

Monographie de la famille des Lycopodiacees I.

Mém. Acad. Sci. Bruxelles 15: 1-110, 1842;

II, 24: 1-358, 1850.

Monographic, includes in part I, *Lycopodium phlegmaria*, p. 64, and *L. cernuum*, p. 80, both from the Marianas. In part II, *Ptilotum triquetrum*, p. 269, from the Marianas. The first part was published while still incomplete to insure priority. The second part completes references to *Lycopodium*, and includes other genera. Includes notes on floristics, see p. 343 for the Marianas. Sml.

Stearns, H. T.

Geology and water resources of the island of Guam, Marianas Islands.

1-94 [Honolulu?], 1937 (unpublished report in U. S. Geological Survey files, photostat in file of Governor of Guam).

Discussing geology in some detail, with, pp. 35-36, a short discussion of the vegetation in relation to the type of rock. Mostly quoted from Bryan 1936, but some original. Notes utility of sword-grass in geological mapping and its limitations.

Steenis, C. G. G. J. van

New records of *Styrax* and *Casuarina* from the Solomon Islands.

Jour. Arnold Arb. 20: 220-221, 1939.

Believes that *Styrax rostratus* Kanehira should be reduced to *S. agrestis*, thus extending the range of this species to Micronesia (Koror).

Steenis-Kruseman, M. J. van

Flora Malesiana I, 1. Malaysian plant collectors and collections

1-639, Djakarta, 1950.

A tremendous mine of information on collectors, expeditions, history of exploration, etc. in the western Pacific, with some data on collectors and expeditions visiting Micronesia.

Steinbach, E.

Bemerkungen über das Klima von Jaluit.

Mitt. deutsch. Schutzgeb. 7: 305-318, 1894.

Includes meteorological data, and incidental mentions of soil and vegetation.

Die Marshallinseln und ihre Bewohner.

Verh. Ges. Erdk. Berlin 22: 449-488, 1895.

Description of several atolls. General notes on geography, climate, animal life, natives, etc. Some notes on vegetation and flora, mostly cultivated plants.

Steinbach, E. and Grösser, H.

Wörterbuch der Marshall-Sprache.

1-124, Hamburg, 1902.

Marshallese-German and German-Marshallese vocabulary, with many plant names, and words referring to plant parts and plant products, but not very useful because of lack of botanical names of plants. Bibliography. LC: PL6255.Z5 S7.

Stephani, F.

Lebermoose: in, Volkens, Die Vegetation der Carolinen

Bot. Jahrb. 31: 450, 1902.

A list of nine species collected by Volkens on Yap.

Species Hepaticarum.

II: 1-615, 1906; IV: 1-824, 1909-1912; V: 1-1044, Genève and Bâle, 1912-1917.

Systematic. Includes several Micronesian references, e. g. II, p. 118: *Anatrophylum subcomplicatum* from the Marianas; IV, p. 182: *Radula cerasmenis* from the Carolines; pp. 778-779: *Mastigole*

- Jeunea javanica* from the Carolines; V. p. 81:
Lopholejeunea yapensis, sp. nov., from the
Carolines. Parts of this work were published in
Bull. Herbarier Boissier, then put together in book-
form, and repaginated. NYBG.
- Stephen, E.
Notes on Nauru.
Oceania 7: 34-63, 1936.
Notes on native life, written by Stephen to
Danvers-Power, after a sojourn of many years on
Nauru, edited by Wedgwood. Includes, pp. 49-
58, notes on coconut and pandanus varieties,
cooking and preserving processes.
- Stevenson, I. L.
Microbiological examination of soils of Arno
Atoll.
Soil Sci. 75: 225-231, 1953.
Includes information on bacteria and actino-
mycetes.
- Stewart, J. Q.
Coasts waves and weather.
1-[348], Boston, 1945.
A book for the use of navigators; contains in-
cidental information on vegetation of Gilbert and
Marshall Islands, mostly excerpts from the Pacif-
ic Islands Pilot, and some photographs of several
of these atolls, showing vegetation. GS: 530-4
St 4c.
- Stone, E. L., Jr.
The soils and agriculture of Arno, Marshall
Islands.
I. Soils; II. Agriculture.
SIM Rept. 10:1-56, 1-46, 1951 a (mimeographed).
General account of atoll physiography and
soils, with specific account of soils, economic
plants, vegetation and agriculture of Arno Atoll.
- The soils of Arno Atoll, Marshall Islands, and,
The agriculture of Arno Atoll, Marshall Islands.
Atoll Res. Bull. 5: 1-56; 6: 1-46, 1951 b.
A reissue, slightly revised and enlarged, of
Stone, 1951 a.
- Summary of information on atoll soils.
Atoll Res. Bull. 22: 1-4, 1953.
Includes information on plants which influence
soil formation, with examples taken from Arno
Atoll.
- Stott, K., Jr.
Notes on Saipan birds.
Auk 64: 523-527, 1947.
Includes brief mentions of vegetation and of a
few plants.
- Suematu, N.
[Index of southern plants].
1-207, Tokyo, 1944.
Not seen.
- Suenaga, H.
[A curious wine]
Kagoshima Kōtō Nōrin Gakkō Hakubutsu Dōshi-kai
kaihō 3 (9-10) 1-6, 1932.
Not seen.
- Suessenguth, K.
Amarantaceae of southeastern Polynesia.
Occ. Pap. Bishop Mus. 12 (2): 1-10, 1936.
Mentions record of *Achyranthes velutina* from
the Marshalls.
- Sugiyama, T.
[Reef building corals of Yap and about underwater
coral].
[Contr. Inst. Geol. Pal. Tohoku Univ.] 39: 1-20
(8-26), 1942.
In Japanese, plant names in Roman type. Some
algae are mentioned, e. g. *Halimeda*, *Caulerpa*,
also *Enhalus*. Some of the photographs show vege-
tation.
- Swartz, O.
Genera et Species Filicum
Jour. f. Bot. 2: 1-120, 1801.
A very condensed synopsis of the known ferns
and allies, with many new names with diagnoses,
no localities cited, apparently early enough to
miss all Micronesian collections, but including
many species subsequently found in Micronesia.
A basic and important work on ferns.
- Synopsis Filicum
1-445, Kiliae, 1806.
Monographic, various Micronesian species men-
tioned based on Cavanilles descriptions from the
Marianas, e. g. *Lygodium longifolium* and *L. di-*
chotomum, p. 154. LC: QK523.S96.
- Swezey, O. H.
A preliminary report on an entomological survey of
Guam.
Hawaiian Pl. Rec. 40: 307-314, 1936.

Principal economic species of plants listed with comments and lists of insects attacking each.

Swesey, O. H.

A survey of the insect pests of cultivated plants in Guam.

Hawaiian Pl. Rec. 44: 151-182, 1940.

Principal cultivated species listed, with comments and enumeration of economic insects attacking each. Notes also on reasons for lack of abundance of certain species, e. g. Guava.

A survey of the insect pests of cultivated plants in Guam.

Guam Record. 17 (9): 383-384, 393, 1940 to 18 (1): 15-16, 39-40, 1941.

Several economic plants are listed with the insects which attack them.

Sydow, H. and Sydow, P.

Die Pilze Mikronesiens aus der Sammlung Ledermann: in, Diels, 1921.

Bot. Jahrb. 56: 430-432, 1921.

Annotated enumeration including some new species, all collected on Ponape by Ledermann.

Tanaka, T.

The genus *Galaxaura* from Japan.

Sci. Pap. Inst. Algol. Hokkaido 1 (2): 141-173, 1936.

Systematic treatment. *G. fasciculata* reported from Koror, p. 147, *G. fastigiata* from Micronesia, p. 157.

The genus *Hypnea* from Japan.

Sci. Pap. Inst. Algol. Hokkaido 2: 227-250, 1941.

Systematic notes, with description of many species, some from Micronesia. *Hypnea nidulans* reported from Saipan and Palau, p. 246, *H. esperi* from the Carolines, p. 243.

The Japanese species of Protofloridae I.

Jour. Jap. Bot. 20: 217-224, 1944 a.

In Japanese. Includes *Gonotrichum alsidii* from Ponape.

The Japanese species of Protofloridae.

Sci. Pap. Inst. Algol. Hokkaido 3: 79-97, 1944 b.

Description of several species, some of them

new. *Asterocytis ornata*, p. 79, reported from Palau. *Erythrotrichia carnea* f. *tenuis*, forma nov., p. 92, from Ponape.

Tanakadate, H.

Volcanoes in the Mariana Islands in the Japanese mandated South Seas.

Bull. Volcan. II, 6: 199-223, 1940.

Geological discussion, dating many of the eruptions and their lava flows; nothing on plants, but with many excellent photographs showing vegetation.

[Taniguchi, S.]

[A study of Citrus in the South Sea Islands].

Guntô no Sangyô [Oct. 1931]:[11-22, 1931].

Mentions the presence of seven citrus species in Micronesia, with notes on improvement, grafting, propagation, etc. Refers to introduction of nine more species. Abstract Ashizawa.

[Introduction and cultivation of vegetables in the South Sea Islands].

Guntô no Sangyô [Nov. 1931]:[1-8]; [Dec. 1931]: [1-5, 1931]; [Apr. 1932]:[29-42]; [June 1932]:[9-22, 1932].

Includes information on selection of vegetable varieties and their cultivation. Abstract Ashizawa.

[Cacao in the South Sea Islands].

Guntô no Sangyô [Nov. 1932]:[29-41, 1932].

Includes information on varieties and their cultivation in Palau. Abstract Ashizawa.

[Agronomic view of the Palau Islands].

Guntô no Sangyô [July 1934]:[4-30, 1934 a].

Includes information on land suitable for agriculture, soils, vegetation, suitable crops, etc. Abstract Ashizawa.

[Cultivation of water melon].

Guntô no Sangyô [March 1934]:[1-10, 1934b].

Includes information on varieties and their cultivation.

Tayama, R.

[Table reef, a type of coral reef].

Hydrogr. Bull. 13 (6): 225-232, 1934.

Geological but contains several photos of Tobl and Sonsorol showing vegetation. Translation by S. Ofuji, Military Geography, Tokyo, filed in GS: G. Pam., Tayama, R.

Tayama, R.

Topography, geology and coral reefs of the Palau group.

[Contr. Inst. Geol. and Pal. Tohoku Univ.] 18: 1-67, 1935.

The topographical descriptions of individual islands include brief mentions of vegetation. Many maps and charts. Some of the sketches and photographs show vegetation.

[Yap Islands from a geological aspect].

Kagaku 6: 61-65, 1936 (translation by S. Ofuji filed in GS).

Mentions algal ridge on Yap reefs; otherwise geological. Bibliography; maps, photos. GS: q Pam.

Geomorphology, geology and coral reefs on Saipan Island.

Nettai Sangyō Kenkyū-shō ihō 1: 1938 (translation by Nishihara, H. 1947, filed in GS).

Geological, with description of topography and pictures of vegetation. Original not seen.

Brief report on the geology and ore resources of Babelthup Island (Palau Island Proper).

Trop. Ind. Inst. Bull. 3: 1-19, 1939 (in Japanese. Tr. in GS, two separate translations).

Mentions pine and oak fossils in Airai lignite (acc. S. Endo) "which still grow in the surrounding country" [sic].

Geomorphology, geology and coral reefs of Truk Islands.

Jubilee Publication in the Commemoration of Pr. H. Yabe M. I. A. sixtieth Birthday 2: 709-723, 1940-1941.

Pp. 721-722, English summary. Only plants mentioned are Halimeda and Zostera, but some of the photographs show vegetation. LC:QE35.Y3.

[Geomorphology, geology and coral reefs of Ponape Island].

[Contr. Inst. Geol. Pal. Tohoku Univ.] 23: 1946 (translation on file in GS).

Contains a few notes on vegetation, bibliography. GS: q Pam.

Coral reefs in the South Seas.

Hydrogr. Bull. 11: 1-292, appendix I, views: 1-133, Appendix II, figures 1-18 plus table, 1952.

Mainly geological but mentions vegetation, especially marine and mangrove vegetation, in various places, also recent and fossil calcareous algae; many excellent photographs showing vegetation of various islands, these badly reproduced. In Japanese, but an extensive English summary, pp. 183-286, bibliography, pp. 187-292.

Tayama, R. and Ota, Y.

Geomorphology, geology and coral reefs of Aguijan Island.

Nettai sangyō kenkyū-shō ihō no. 6: 1-29, 1940 (translation by Y. Tanabe, 1947, GS).

Original not seen; includes photos showing vegetation.

Tayama, R., Yamamoto, S. and Tsuyama, T.

Investigation of ground water on Angaur Island, Palau...
1-59, Tokyo, 1951.

Report on an investigation of the effects of phosphate mining on resources of the island; the botanical part (by Tsuyama) includes a chapter describing vegetation and agriculture (with maps of vegetation and cultivated land), and a list of plants with botanical, Japanese and native names. (Tsuyama is alternative spelling for Tsuyama). GS.

Taylor, C. R. H.

A Pacific bibliography.

1-492, Wellington, N. Z., 1951 (Polynesian Soc. Mem. 24.)

A list of 10,000 references, primarily anthropological, but contains much material of interest to other students, including botanical, a few of the items briefly annotated; arrangement primarily geographical, under main headings: Oceania, Polynesia, Melanesia, and Micronesia, by island groups and areas, then under the latter, classified by subject. Map. Bish. LC: Z4501.T3.

Taylor, J. L.

Saipan: a study in land utilization.

Econ. Geogr. 27: 340-347, 1951.

Contains a small section on soils and vegetation.

Taylor, J. L., et al., editors

Micronesian Monthly.

Processed news leaflet issued monthly by the Headquarters, Trust Territory of the Pacific Islands, mostly of no scientific interest, but occasional notes have some mention of plants, especially agricultural ones.

Taylor, W. R.

Plants of Bikini and other northern Marshall Islands.

1-227, Ann Arbor, 1950.

Detailed description of vegetation and flora of Bikini, Rongelap, Rongerik and Eniwetok, with many fine photographs and maps of each atoll.

LC: QK473. M36. T39.

Templin, E. H., Vessel, A. J. and McCracken, R. J.

Land classification of Angaur, Palau Islands.

1-16, [Tokyo], 1949.

Includes information on agriculture, economic plants, geology, and the general environment, in addition to land classification and soils.

Tement, G. J.

Displaying New Guinea to the Philippines.

1-256, Sydney, 1945.

Mainly war photographs, including some on the Gilberts, western Carolines, and Marianas, some of which show vegetation.

Tetens, A. and Kubary, J. S.

Die Carolineninsel Yap oder Guap.

Jour. Mus. Godeffroy 2: 12-58 (84-130), 1873.

Description of the island with a few mentions of vegetation and plants. Discussion of the people, and vocabulary.

Thilenius, G. ed.

Ergebnisse der Südsee Expedition 1908-1910. Hamburg, 1914-1938.

I Thilenius, G. and Hellwig, F. E.: Allgemeines, 1927;

II A Melanesia.

II B Micronesia.

1 Hambruch, P.: Nauru 1: 1914; 2: 1915;

2 Müller, W.: Yap 1: 1917, 2: 1918;

3 Krämer, A.: Palau 1: 1917; 2: 1919; 3: 1926; 4: 1929; 5: 1929;

4 Sarfert, E.: Kusaie, 1: 1919; 2: 1920;

5 Krämer, A.: Truk 1932;

6 Krämer, A.: Inseln um Truk: 1935;

Damm, H. et al.: Inseln um Truk 2: 1935;

7 Hambruch, P.: Ponape 1: 1932; 2: 1936; 3: 1936;

8 Eilers, A.: Inseln um Ponape 1934;

9 Eilers, A.: Westkarolinen 1: 1935; 2: 1936;

10 Krämer, A.: Zentralkarolinen 1: 1937;

Damm, H. et al.: Zentralkarolinen 2: 1938;

11 Krämer and Nevermann: Ralik-Ratak 1938;

12 Sarfert, E. and Damm, H.: Luangia und

Nukumanu 1: 1929; 2: 1931.

For complete references and notes, see under

each author. Parts II A and II B 12 do not refer to Micronesia. This enormous ethnological work includes much useful data on vegetation and plants, in the geographical, and economics chapters. There are, of course, many incidental mentions of plants in chapters on native customs, material culture, etc. Much of the botanical information is not original (sources usually cited), and quite a few determinations are inaccurate. Most volumes are beautifully illustrated, some of the photographs of vegetation are valuable. But on the whole, the space and attention devoted to environment and botanical information are relatively little. C_Y: Nkd 91/913h.

Thilenius, G. ed.

Results of the South Sea Expedition, 1908-1910.

9 vols., mimeographed. No indication of place of publication or date. Said to have been prepared by the U. S. Navy.

Translations into English of various parts of Thilenius 1914-1938. Bish.

Thilenius, G. and Hellwig, F. E.

Allgemeines: in, G. Thilenius, Erg. Süds. Exp. I: 1-489, Hamburg, 1927.

Log of the important German expedition, with much valuable information, especially on geography, with mentions of vegetation, climate, plants. A short chapter by Herzenberg describes geological specimens.

Thompson, J. B.

Some honey plants of Guam.

Guam Agr. Expt. Sta. Ann. Rpt. 1913: 21-22, 1914 a.

Mentions a few plants which imported bees appreciate.

Studies of Guam range plants.

Guam Agr. Expt. Sta. Ann. Rept. 1913: 15-16, 1914 b.

Discussion of range plants, with lists of 43 grasses and 26 sedges existing in the Station collection.

Thompson, L.

Guam and its people: A study of culture change and colonial education. 1-308, Institute of Pacific Relations, S. F., 1941. (Studies of the Pacific no. 8). 3rd ed., 1-367, Princeton, 1947.

Anthropological, includes occasional notes on plants and foods. LC: DUL.S7 n^o. 8.

- Tobler, J. E.**
Land tenure in the Marshall Islands.
Atoll Res. Bull. 11: 1-36, 1952.
Includes incidental mentions of economic plants and of ~~pragmatic~~ maintenance of bird and turtle reserves in the northern Marshalls.
- Tochiuchi, Y.**
Septobasidium.
Kagaku Nanyō 3 (2): 85-88, 1940.
Not seen.
- Tokida, J.**
A list of marine algae of Micronesia.
Kagaku Nanyō 2 (1): 16-26, 1939 a.
Only reprint seen. Text in Japanese; mostly a table of distribution of species in main islands and groups, with indication of literature sources.
Tr. Takeda.
- [Information on some seaweeds, especially the Japanese "Kokemodoki"].
Bot. and Zool. 7 (3): 522-530, 1939 b.
Not seen.
- On some little known marine algae of Japan II.
Bot. and Zool. 9: 49-56, 1941.
Not seen. Includes notes on *Bostrychia binderi* from Palau. Abstr. Takeda.
- Tokio, T.**
[Comparison between plankton from several different portions of the reef-lake in Palau].
Kagaku Nanyō 4 (3): 1-15, 1942 a.
Plankton includes 56 species of diatoms (listed).
Abstract, original not seen.
- Systematic studies of the plankton organisms occurring in Iwayama Bay, Palao. I. Introductory notes, with some references to the surface water temperature, and the settling volume of planktons in the bay.
Palao ... Studies 2: 507-519, 1942 b.
The area is divided in sections, and water temperature, volume of plankton present at different depths, etc. are given in tables, section by section. Phyto- and zoo-plankton treated together.
- Tolerton, B. and Rauch, J.**
Social organization, land tenure and subsistence economy of Lukunor, Nomoi Islands.
- CIMA Rept. 26: 1-208, [1950] (mimeographed).**
Includes brief mentions of economic plants and their cultivation.
- Towner, H.**
Results of an entomological inspection tour of Micronesia.
U. S. Commercial Company Economic Survey 14-1: 1-53, Honolulu, 1946 (mimeographed).
Includes a study of insects attacking plants.
- Toyoda, Y., Yamauchi, Y., and Watanabe, K.**
[Collection of Palau plants].
Hakubutsugaku Zasshi 38: 48-69, (53-56), 1941.
Not seen. Pp. 53-56, English summary.
- Toyohara, G.**
Geophysical observations in the Mandated South Sea Islands.
Jour. Geogr. (Tokyo) 48: 53-66, 135-142, 1936.
In Japanese, title in English on cover. The first part includes very poor pictures of vegetation.
- Tracey, J. I., Jr., Ladd, H. S., and Hoffmeister, J. E.**
Reefs of Bikini, Marshall Islands.
Bull. Geol. Soc. Am. 59: 861-878, 1948.
Geological, but contains much information on the marine algal vegetation.
- Trécul, A.**
Mémoire sur la famille des Artocarpées.
Ann. Sci. Nat. III. Bot. 8: 38-157, 1847.
Monograph, including at least one Micronesian species: *Artocarpus mariannensis*, sp. nov. (Gaudichaud), p. 114.
- Trelease, W.**
Botany of Caroline Island.
Mem. Nat. Acad. Sci. 2: 87-90, 1884.
This paper, included by error in Utinomi's bibliography does not refer to the Caroline Islands, but to Caroline I. in the Central Pacific.
- Triana, J.**
Les Melastomacées.
Trans. Linn. Soc. London 28: 1-188, 1873.
Includes *Melastoma marianum*, p. 59 and *Medinilla rosea*, p. 85, from the Marianas.
- Trinius, C. B.**
De graminibus panicels--Dissertatio botanica altera. 1-289, Petropoli, 1826.
At least one grass, *Panicum sanguinale*, mentioned from "Radack" on p. 81. NYPL. Smi.: Div.

of Grames.

Tsuyama, T.

See Tuyama, T.

Tucker, E. M.

Catalogue of the Library of the Arnold Arboretum of Harvard University, compiled under the direction of Charles Sprague Sargent.

Pub. Arnold Arb. no. 6, 1:1-782, 1914; 2:1-542, 1917; 3:1-346, Cambridge, 1933.

Arranged by authors and names of periodicals, and by subjects. Will be found especially useful to locate important, old or rare books and publications. LC: Z5356.T8 H2.

Turbott, I. G.

Diets, Gilbert and Ellice Colony.

Jour. Polyn. Soc. 58: 36-46, 1949.

Includes some mentions of economic plants present in the Gilbert Islands, and in Ocean Island.

Tuyama, T.

Plantae Boninenses novae vel criticae IX.

Bot. Mag. (Tokyo) 51: 125-132, 1937.

Incidentally records *Stenotaphrum subulatum*, p. 129, and *Sesuvium portulacastrum*, p. 131, from Micronesia.

Hetaeria Raymundi Schlechter.

Nakai Icon. 2: 177-178, 1938 a.

Species reported from Palau, with description and plate.

Neue Triuridaceae Micronesiens.

Bot. Mag. (Tokyo) 52: 61-65, 1938 b.

Andruris palawensis described as new, from Palau.

Plants of Marcus Island.

Jour. Jap. Bot. 14: 425-426, suppl. 554, 1938 c.

List of 15 species, Japanese text. Tr.

[Myoporum in the Marianas].

Jour. Jap. Bot. 14: 812, 1938 d.

A brief paragraph in Japanese. Tr. Takeda.

Tuyama, T.

Crinum octobris Nakai et Tuyama.

Nakai Icon. 3: 207-208, 1939.

Description based on a living specimen cultivated in Tokyo, "from one of the South Sea Islands". Merrill, 1947 p. 302 suggests this might be from Micronesia, but Tuyama and Nakai (conversations, Tokyo 1951) say that "South sea islands" here refer to Malay Archipelago, possibly Sunda group.

Tuyama, T.

Orchidaceae novae Micronesicae.

Bot. Mag. (Tokyo) 53: 52-59, 1939; (II) 54: 261-272; (III) 273-280, Jap. summary 282-292; (IV) 295-298, Jap. summary 319-321, 1940; (V) Jour. Jap. Bot. 17: 505-523, 1941.

Enumeration of many species, most of them new and collected by the author, from various islands.

Fragmenta florae Micronesicae I.

Jour. Jap. Bot. 16: 194-205, 1940 a.

Pp. 194-201, English text, pp. 201-205, Japanese. Mentions ten species, three of which are described as new, the others new records, from the Marianas, Yap, and Palau.

Gymnosiphon Okamotoi Tuyama.

Nakai Icon. 3: 237-239, 1940 b.

New species described from Palau, with plate.

[------]

[My method for making tropical plant specimens.]

Collecting and Breeding 2 (1): 20-25, 1940 c.

Discussion of method using alcohol and formaldehyde, used in Micronesia, with photographs of equipment, operations and specimens.

[Notes on plants from the South Seas].

Jour. Jap. Bot. 16: 630-632, 1940 d.

Japanese text and title. Includes discussion of taxonomy of many Micronesian species, *Spathiphyllum funereum* Tuyama 1940 is reduced to *S. micronesicum* Hatusima 1939, *Vanilla ponapensis* Kaneh. and Yamamoto becomes *Galeola ponapensis* (Kan. & Yam.) Tuyama. Tr. Takeda.

On genus *Haloragis* and Micronesian species.

Jour. Jap. Bot. 16: 273-285, 1940 e.

In Japanese, with English summary. Lengthy discussion of the systematics and distribution of the genus. Includes *H. palauensis*, sp. nov., from Palau, and *H. chinensis* var. *yapensis*, n. var., from Yap. Tr.

Tuyama, T.

[An abnormal form of an orchid].

Jour. Jap. Bot. 17: 429, 1941 a.

Description of an unusual form of an orchid, from Truk; probably *Dendrolobium okabeannum*; in Japanese. Tr. Takeda.

 Nomina vernacula in insula Palau (Pelew) Caroline, Micronesia. I.

Kagaku Nanyō 3 (3): 1-17; (II) 4 (1): 15-34; (III) 4 (2): 1-11, 1941 b.

The first paper gives a list of native names for over 100 plants from Palau, compiled from different sources, including the author's own experience. The second paper gives a list of 170 species from Palau, with illustrations and pictures of landscapes. The third paper includes 85 species of sympetalae of Palau, with discussion of related names in Palau and other islands. A few notes on economical value of some of the species. Abstract, original not seen.

 [Vernacular and Japanese names of Palmae in the Palau Islands].

Jour. Jap. Bot. 17: 320-324, 1941 c.

A list of plants, with notes in Japanese; Latin and native names in Roman script.

 [A plant naturalised in Micronesia].

Jour. Jap. Bot. 18: 90, 1942 a.

Oxalis bahianensis, introduced from Brazil, in Palau and Timian. Tr.

 [Miscellaneous notes on Japanese *Digitaria*].

Jour. Jap. Bot. 18: 6-21, 1942 b.

Extensive, detailed notes on systematics and occurrence in Japanese. Includes notes on Micronesian species. Tr.

 On *Luisia teretifolia* Gaudichaud.

Act. Phytotax. Geobot. 13: 282-285, 1943 a.

A detailed description based on a living specimen from Rota.

 On Rumphius' "*Arber ovigera*" and the related species, with reference to *Hernandia sonora*.

Bulletin. Shigenkagaku Kenkyūsho 1: 27-44, 1943 b.

Critical notes in Japanese, with English sum-

mary. *Hernandia labyrinthica*, sp. nov., is described from Rota, p. 42. The discussion of habitats includes mentions of vegetation. Tr.

Tuyama, T.

Hoshiasagao, a new Japanese name.

Jour. Jap. Bot. 20: 226-229, 1944.

A note on *Ipomoea trilobata* in Yap and the Marianas. Abstr. Tuyama.

 On the phytogeographical status of the Bonin and Volcano Islands.

Proc. 7th Pac. Sci. Cong. 5: 208-212, 1953.

Includes incidental mentions of floristic relationship with Caroline and Marianas Islands.

Tuyama, T., and Murase, A.

On the polymorphism of *Erigeron annuus* Pers. and *E. strigosus* Muhl. III.

Misc. Rept. Res. Inst. Nat. Resources 23: 1-7, 1951.

Includes a note on *Erigeron annuus* naturalized in Angaur, Palau. Abstr. Tuyama.

Tyler, C. M.

The island world of the Pacific Ocean.

1-337, San Francisco, 1886 (reprinted 1887).

Contains a short chapter on flora and fauna of Marshall and Gilbert Is. LC: DU21. T98, DU21.T99.

[Uchiyama, S.]

[Effect of Tuba (*Derris* spp.) indigenous in Ponape Island].

Guntō no Sangyō [April 1932]: [16-20, 1932].

Notes on toxic effects when applied to insects. Abstract Ashizawa.

Uehara, T.

[A kite made of the leaf of *Artocarpus* in Togobe].
 Kagaku Nanyō 4 (2): 63-64, 1941.

A kite made of *A. communis* leaf is used to fish in Tobl. Tr. Takeda.

Uittien, H.

Studies in the Cyperaceae-Mapanieae I-V.

Rec. Trav. Bot. Néerl. 33: 133-155, 1936.

Includes in pt. I, pp. 133-140, a revision of *Thoracostachyum*, crediting *T. pandanophyllum* to the Palau Islands.

Underwood, J. H.

The beauties of Guam fruits and flowers.

Guam Record. 15 (5): 26, 28, 1938.

Very popular article.

U. S. Commercial Company
Economic survey of Micronesia.
Honolulu, 1946-47.

A series of reports, some of which are cited in this bibliography by authors. Microfilms or photostats of the series in several libraries, including LC: Microfilm HC-2. The bibliography, with a subject index, includes many items, but was hastily done and contains many errors.

U. S. Department of Agriculture
Annual Reports of the Guam Agricultural Experiment Station.
1910-1932, Washington, 1911-1933.

These reports include much information of value on agriculture, crops, etc., and mostly on records of many plant introductions. The Station, created in 1909 was closed June 30, 1932. DA: 1 Ex 67.

U. S. Geological Survey
Certain Western Carolines. Terrain intelligence.
Strat. Eng. Study 111: 1-33, 1944 a.

Fully illustrated discussion of terrain, climate and vegetation from a military viewpoint, with maps. Includes atolls west of Truk, excluding those southwest of Palau.

Kusaie (Ualan) Island, Carolines. Terrain intelligence.

Strat. Eng. Study 108: 1-28, 1944 b.

Fully illustrated discussion of terrain, climate and vegetation, from a military viewpoint, with maps.

Marianas (except Guam). Terrain intelligence.
Strat. Eng. Study 113: 1-47, 1944 c.

Fully illustrated discussion of terrain, climate, and vegetation from a military viewpoint, with maps.

Nomoi, Nukunoro and Kapingamarangi Islands (Carolines). Terrain intelligence.

Strat. Eng. Study 107: 1-21, 1944 d.

Fully illustrated discussion of terrain, climate, and vegetation of these atolls from a military viewpoint, with maps.

Palau Islands (Carolines). Terrain intelligence.
Strat. Eng. Study 110: 1-35, 1944 e.

Fully illustrated discussion of terrain, climate

and vegetation from a military viewpoint, with maps.

U. S. Geological Survey
Ponape including Pakin and Ant Islands (Carolines).
Terrain intelligence.

Strat. Eng. Study 109: 1-63, 1944 f.

Well illustrated discussion of topography, vegetation and climate.

Truk Islands (Carolines). Terrain intelligence.
Strat. Eng. Study 104: 1-63, 1944 g; revised edition.

Fully illustrated discussion of terrain, climate and vegetation from a military viewpoint, with maps.

Yap Islands (Carolines). Terrain intelligence.
Strat. Eng. Study 112: 1-26, 1944 h.

Fully illustrated discussion of terrain, climate and vegetation from a military viewpoint, with maps.

Photo interpretation of vegetation in the tropical Pacific area and its use as an indicator of kind of ground.

Engineering notes no. 20, 1-115, Washington, 1944 i. (Published by Military Intelligence Division Office, Chief of Engineers, U. S. Army).

Description and discussion of a number of vegetation types found in the Pacific, many of these existing in Micronesia. The plates, with annotations, include some of Saipan, Tinian, Palau, Ponape showing vegetation and agricultural land. The plates are mounted aerial photographs, some of them stereopairs.

U. S. Hydrographic Office
Caroline, Marianas, Marshall and Gilbert Islands.

Gazetteer no. 6: 1-133, Washington 1944, ed. 2 (H. O. Pub. No. 886).

List of names of islands and geographic features, with latitude and longitude, cross-referenced for synonyms. LC: G103-U55.

Sailing directions for the Pacific Islands.

3 vols., Washington, 1952 (H. O. Pub. Nos. 165A, 165B, 166).

Vol. 1 includes Marianas, Carolines, Marshalls, Marcus and Wake, vol. 3 includes Gil-

berts, Ocean and Nauru. Much geographical information, with incidental mentions of vegetation. LC: VK915-U7, 1952.

U. S. Library of Congress [Griffin, A. P. C.]
A list of books (with reference to periodicals) on Samoa and Guam.
1-54, Washington, 1961.
Useful list of old works found in the Library.
LC: Z4741. U55.

U. S. Library of Congress [Conover, H. F.]
Islands of the Pacific. A selected list of references.
1-154, Washington, 1945 (mimeographed). (First issued, 1943). Supplement 1-68, 1945, with index.
A list, arranged by general subjects and by islands. LC: Z4501. U5, 1945.

U. S. Navy
Marshall Islands.
1-113, Washington, 1943, OPNAV 50E-1.
Monographic compilation including data on climate, flora, cultivated plants, etc., brief and superficial. LC: DU710. U5, 1943.

Civil Affairs Handbook. East Caroline Islands.
1-213, Washington, 1944 a, OPNAV 50E-5.
General geographic and anthropologic treatise with very brief and superficial paragraph on vegetation, list of genera of poisonous plants and economic species, pp. 14-15. LC: DU887. U52, 1944.

Civil Affairs Handbook. West Caroline Islands.
1-222, Washington, 1944 b, OPNAV 50E-7.
General geographic and anthropologic treatise; on pp. 18-19 is a very brief and superficial summary of the vegetation, list of important genera for economic and poisonous plants. LC: DU887. U5, 1944.

Civil Affairs Guide. Agriculture in the Japanese Mandated Islands.
1-47, Washington, 1944 c, OPNAV 13-17.
Summary of agricultural conditions, soils, economic plants, etc. with excellent air photos showing vegetation. LC: S47L.M35 U5, 1944.

Civil Affairs Handbook. Mandated Marianas Islands.

1-205, Washington, 1944 d, OPNAV 50E-8.
General geographic and anthropologic treatise, with notes on vegetation in the topographical section, p. 8, and list of plants, p. 16. LC: DU645. U5, 1944.

U. S. Navy. Chief of Naval Operations. Aerology Section.
A climatic summary of Wake Island.
1-13, Washington, 1944 e.
Contains brief notes on vegetation.

U. S. Navy
Guide to the western Pacific. Ed. 2.
CINCPAC-CINCPAA Bull. 126-44: 1-140, 1945 a (ed. 1, 1944).
General, popular account, with bits of not too accurate information on plants, especially economic ones. Includes all of the Micronesian groups.
LC: DS503. U55 No 126-44a.

Pacific landforms and vegetation.
Photographic Intelligence Center Report, OPNAV 16 VP 107: 1.01-10.09, Washington 1945 b.
Album of aerial photographs some of them stereoscopic, with notes, illustrating types of landforms and vegetation found in the Pacific. Some of the photos in part one, show Truk, Palau, Jaluit and Nauru, and are useful for the study of vegetation. Part II, "Vegetation," does not have photos of Micronesia, but is useful to illustrate formations found in Micronesia, such as mangrove, Nipa swamp, coconut groves, etc.

Guam.
1-44, Washington, 1943 a, OPNAV P 23-100C.
General information, with section on agriculture forestry, conservation, natural resources, etc.; pp. 26-30, casual notes on economic plants and vegetation.

Handbook on the Trust Territory of the Pacific Islands.
1-311, Washington, 1943 b.
Comprehensive survey, including information on topography, plant life and vegetation (from Hesaka 1946, and Fosberg 1946 [1947]), agriculture, etc.

Information on the Trust Territory of the Pacific Islands under Naval Administration to 1 Novem-

- ber, 1950.
1-45, Pearl Harbor, [1951?].
Mostly political, social and economic, but with meager information on vegetation and a number of photographs; map.
- U. S. Tariff Commission**
Japanese Mandated Islands. A survey of pertinent information.
Parts I-V, Washington, 1943-1944.
Marshall, part I, and Carolines, parts II to V. For each group, information on climate, topography (with casual unimportant mentions of vegetation), water-supply, soil, plants, etc.
LC: DU22. U55.
- Uphof, J. C. T.**
A review of the species of *Crinum*.
Herbertia 9: 63-84, 1942.
Includes, without comment, *C. bakeri*, described from the Marshall Is., but with erroneous reference to place of publication.
- Urban, I.**
Geschichte der Königlichen Museums zu Berlin-Dahlem (1815-1913) nebst Aufzählung seiner Sammlungen.
Beih. Bot. Centralbl. I, 34: 1-457, 1917.
On pp. 190-191, is a list of German botanical expeditions to Micronesia.
- Usinger, R. L. and La Rivers, I.**
The insect life of Arno.
Atoll Res. Bull. 15: 1-28, 1953.
Ecological description of atoll, with remarks on plants and plant communities as food sources and habitats for insects; simple classification of vegetation.
- Utsuni, F.**
[Algae which burrow into volcanic matter].
Kagaku Nanyô 5 (1): 123-128, 1942.
Not seen.
- Utinomi, H.**
Bibliographia Micronesica Scientiae naturalis et Cultus.
1-208, Tokyo, 1944.
Introduction in Japanese, references in language of publication. LC: Orientalia Jap. Ref.
-
- Bibliography of Micronesia**
1-157, Honolulu, 1952.
A revision and translation of Utinomi, 1944.
- under the editorship of O. A. Bushnell, with the help of various translators and scientists from the University of Hawaii. Contains a list of publications cited, with the abbreviations, transliterations and translations used in the text. LC: Z7408.M5 U33.
- Vaillant, M.**
Voyage autour du monde exécuté pendant les années 1836 et 1837 sur la corvette La Bonite.
15 vols + 3 vols. plates, Paris, 1840-1866.
Histoire du voyage, by A. de la Salle, vol. 3: 1-540, 1852.
Pp. 10-12, mentions the northern Marianas. See Gaudichaud. LC: Q115.V18.
- Vainio, E. A.**
Lichenes insularum Philippinarum III.
Ann. Acad. Sci. Fenn. A 15 (6): 1-368, 1921; (IV) A 19 (35): 1-84, 1923.
Discussion of many species, including some from the Marianas Islands.
- Valckenier-Suringar, J.**
Cyperaceae.
Nova Guinea 8, part 2: 695-713, 1912.
Statements of distribution include the Marianas.
- Valeton, T.**
Die Rubiaceen von Mikronesien: in, Diels, 1930.
Bot. Jahrb. 63: 288-323, 1930.
Systematic treatment, with description of many new species from various collections.
- Vanderbilt, W. K.**
Taking one's own ship around the world.
1-264, N. Y., 1929.
Records stops at Jaluit, Kusaie, Ponape, and Truk, with notes, in passing, on other islands; only incidental notes on vegetation, but with some good photographs showing vegetation.
Chart of voyage. LC: G440. V2.
- Verdoorn, F.**
Die Frullaniaceae der Indomalaischen Inseln (De Frullaniaceis VII).
Ann. Bryol. Suppl. 1: 1-187, 1930 a.
Systematic, includes *Frullania utriculata* var. *powelliana* (Steph.) Verd., comb. nov., from Palau, pp. 169-170 (Lederman).
-
- Revision der von Ozeanien angeführten Frullaniaceae (De Frullaniaceis VIII).**
Nederl. Kruidk. Arch. 1930: 155-175, 1930 b.
On p. 175, *Frullania (Homotropantha) utriculata*

var. *powelliana* is mentioned from the Carolines.

Verdoorn, F.

Revision der von Ozeanien, Australien und Neuseeland angeführten Lejeuneaceae Holostipae (de Frullaniaceis XIV).

Blumea 1: 216-240, 1934 a.

Includes several species from Micronesia.

Studien über asiatische Jubuleae.

Ann. Bryol. Suppl. 4: 1-231, 1934 b.

Systematic. At least two Micronesian species included, i. e. *Archilejeunea mariana*, p. 48, *Ptychocoleus cumingianus*, p. 137, from the Carolines.

Vesque, J.

Guttiferae.

D. C. Monogr. Phan. 8: 1-669, 1893.

Monographic, includes *Calophyllum inophyllum*, p. 544, from the Marianas.

Volkens, G.

Einige Ergebnisse einer Reise nach den Karolinen und Marianen.

Verhandl. des XIII d. Geographentages Breslau 167-179, Berlin, 1901 a.

Important notes on geology, geography, climate, and vegetation.

Skizzen von einer Reise nach den Karolinen und Marianen.

Gartenfl. 50: 453-463, 1901 b.

Popular account of author's trip to Micronesia. Pp. 459-462, description of Marshalls, Carolines and Marianas, with brief mentions of plants and vegetation.

Ueber die Karolinen-Insel Yap.

Verh. Ges. Erdk. Berlin 28: 62-76, 1901 c.

Notes on geography, climate, native life, zoology, etc. The notes on vegetation and flora are abridged from Volkens 1901 f.

Ueber eine Schildlaus Krankheit der Kokospalmen in Togo und aus der Karolineninsel Yap.

Notizbl. 3: 85-90, 1901 d.

Includes notes on a disease of coconut trees in Yap, and attempts made to check it.

Volkens, G.

Aufzählung der auf Yap beobachteten und besammelten Pflanzen; in, Volkens, 1901 f.

Bot. Jahrb. 31: 449-477, 1901 e.

Enumeration of plants collected in Yap.

Vegetation der Karolinen mit besonderer Berücksichtigung der von Yap.

Bot. Jahrb. 31: 412-477, 1901 f.

Important paper, with description of vegetation of islands visited. Greater part devoted to Yap, with main types of vegetation studied in detail. Enumeration of flora, pp. 449-477. Other islands visited, Kusaie, Ponape, Truk, and Palau.

Die Flora der Marshall-Inseln.

Notizbl. 4: 83-91, 1903.

Annotated list of plants from several collections, including some records from the Gilberts.

[-----]

[Vegetation der Marianen im Stillen Ozean].

Allgem. Bot. Zeitschr. 10: 61, 1904.

Account by W. Lackowitz of Volkens' brief talk on the subject at a botanical meeting. Oversimplified, slightly inaccurate or at least obscure in places. Main vegetation types briefly described.

Beiträge zur Flora von Mikronesien I.

Bot. Jahrb. 52: 1-18, 1914.

Systematic. Different groups studied by various authors. Parts II to V by Diels, 1921, 1924, 1930, 1938.

Wagner, W. H., Jr.

Ferns on Pacific island coconut trees.

Am. Fern. Jour. 35: 74-76, 1945.

Notes on species growing on coconut boles, with examples cited from Guam.

A new fern from Rota, Mariana Islands.

Pac. Sci. 2: 214-215, 1948.

Lastrea gretheri, sp. nov.; plate.

Wagner, W. H., Jr. and Grether, D. F.

The pteridophytes of the Admiralty Islands.

Univ. Calif. Pub. Bot. 23: 17-110, pl. 5-25, 1948.

At least two references, pp. 35 and 64, to Micronesian occurrences of species.

Wainio, E. A.

See Vainio, E. A.

[Wakamatsu, S.]

[Sun drying copra in the South Sea Islands].

Guntō no Sangyō [Oct. 1931]:[37-60, 1931 a].

Notes on quality of price of native sun-dried copra, results of various drying experiments.

Abstract Ashizawa.

[-----]

[Time for picking coconuts for copra-making].

Guntō no Sangyō [Nov. 1931]: [31-40, 1931 b].

Notes on development of coconut palm and coconuts. 12 photos. Abstract Ashizawa.

[-----]

[Care in managing young coconuts, by applying cover crops].

Guntō no Sangyō [March 1932]:[31-38, 1932 a].

Mentions plants used as cover crops. Abstract Ashizawa.

[-----]

[Planting Manila hemp in the South Sea Islands].

Guntō no Sangyō [Dec. 1932]:[23-42, 1932 b].

Includes description of plant, its uses and cultivation on Palau and other islands. Abstract Ashizawa.

[-----]

[Kapok planting in the South Sea Islands].

Guntō no Sangyō [May 1932]:[23-38, 1932 c].

Information on uses of kapok, demand for it, prices, varieties, their cultivation, harvesting and packing. Abstract Ashizawa.

[-----]

[Problems relating to coconut varieties].

Guntō no Sangyō [June 1932]:[28-35, 1932 d].

Discussion of varieties and selection. Abstract Ashizawa.

[-----]

[Practical selection of seeds of coconut].

Guntō no Sangyō [March 1934]:[26-33, 1934].

Description of several methods of selection. Abstract Ashizawa.

Walker, E. H.

A subject index to Elmer D. Merrill's "A botanical bibliography of the islands of the Pacific".

Contr. U. S. Nat. Herb. 30: 323-404, 1947.

See Merrill, 1947.

Walker, E. H. and Rodin, R.

Additional phanerogams in the flora of Guam, with notes on unverified records.

Contr. U. S. Nat. Herb. 30: 449-468, 1949.

An enumeration of species added to the known flora since publication of Merrill's enumeration and its supplement.

Walpers, G. W.

Repertorium botanices systematicae.

6 vols., Lipsiae [Leipzig], 1842-1847.

An attempt to collect together all descriptions of new species published currently, with additions of various manuscript ones, here published for the first time, including some Micronesian species e. g. in 2: 192, 1843, *Barringtonia racemosa* from the Marianas. LC: QK97.W21.

Annales botanices systematicae.

7 vols. Lipsiae [Leipzig], 1848-1871.

Continuation of Walpers 1842-1847, includes at least one Micronesian species, *Ixora casei* Hance (2: 754, 1851-2) from Strong's Islands (Kusaie). LC: QK97.W18.

Warburg, O.

Ueber Verbreitung, Systematik und Verwerthung der polynesischen Steinnuss-Palmen.

Ber. d. Bot. Ges. 14: 133-144, 1896.

Revision of the genus *Coelococcus*, with a key. *C. carolinensis* discussed from the Carolines, *C. amicarum* (Wendl.) Warb., new comb. made on p. 140 in footnote (Carolines).

Pandanaceae.

Pflr. 3 (IV. 9): 1-97, 1900.

Monographic. Includes *Pandanus fragrans*, from the Marianas, p. 49, and *P. tectorius*, several varieties, from the Marshalls.

Tikaphanf von den Karolinen.

Tropenpfl. 7: 34-37, 1903 a.

Description and plate of *Musa tikap*, closely allied to *Musa textilis*, and giving good fiber. Specimens received from Ponape.

Chanvre Tikap des Carolines.

Rev. Cult. Colon. 12: 139-141, 1903 b.

Summary translation of preceding entry.

Watanabe, K.

[A geobotanical opinion on Micronesia].
Hakubutsu-gaku Zasshi 38: 70-82, 1941 a.
Not seen.

[Pitcher plant (*Nepenthes phyllamphora*)].
Shifuzō 8: 3-4, 1941 b.
Not seen.

Watase, J.

[Plant collecting in the South Seas].
Trans. Sapporo Nat. Hist. Soc. 6: 75-76, 1915.
Brief notes on vegetation and plants of the Carolines and Jaluit, observed during collecting trip.
In Japanese. Tr. Takeda.

Way, W. F.

Historical review of the geology of Guam with references.
1-113, San Francisco, 1948 (mimeographed).
Compilation with a section on vegetation and erosion, with extensive excerpts from Bryan and others. Bibliography.

Weber Van Bosse, A.

Monographie des Caulerpes.
Ann. Jard. Bot. Buitenzorg 15: 243-401, 1898.
Includes some Micronesian species, e. g. *Caulerpa freycinetii* var. *typica* f. *torulosa* from the Marianas, p. 314, *C. urvilliana* var. *typica* from the Carolines, p. 320, *C. lessonii* from the Carolines, p. 339.

Algae: in, *Résultats scientifiques du voyage aux Indes Orientales Néerlandaises de L. L. A. A. R. R. le Prince et la Princesse Léopold de Belgique*. 6 (1): 1-27, Bruxelles, 1932.

Enumeration including a description of *Ostreobium okamurai*, sp. nov., p. 19, habitat given with a question mark as Caroline and Marianas Islands. LC: Q115-R45.

Webster, J.

The last cruise of the "Wanderer".
1-128, Sydney, [1851].
Micronesia, pp. 24-50. Includes notes on coconut vegetation in the Gilberts (especially Nukunau), mentions of coconut as economic plant. Notes on vegetation, soil, geology, and economic plants of Ocean Island, p. 46. Mostly ethnology and anthropology. Bish.: DU12.W38.

Weddell, H. A.

Revue de la famille des Urticées.
Ann. Sci. Nat. IV Bot. 1: 173-212, 1854.

Systematic revision; many combinations commonly attributed to Gaudichaud are validated here; discusses some species from the Marianas.

Monographie de la famille des Urticées.
Arch. Mus. Hist. Nat. Paris 9: 1-592, 1856-1857.
Monographic, includes, p. 318, *Elatostema urvilleanum* from "Ins. moluccana Ualan" (d'Urville), and, p. 323, *E. parvifolium*, from Ins. Ualan (d'Urville), p. 447, *Pipturus propinquus* from the Marianas (Gaudichaud).

Urticaceae.

DC. Prodr. 16 (1): 32- 235⁶⁴, 1869.
Monographic; includes a few plants from the Marianas. There are 65 pages 235 in the volume, distinguished by superscript numbers.

Wedgwood, C. H.

Report on research work in Nauru Island, central Pacific.
Oceania 6: 359-391; 7: 1-33, 1936.
Pp. 366-367, notes on vegetation: coconut belt, tangled vegetation of the interior with a variety of *Calophyllum inophyllum* being the most striking.
P. 7, notes on food plants, coconut and pandanus; ownership of trees discussed p. 18.

Wegener, G.

Deutschland im Stillen Ozean; Samoa, Karolinen, Marshall-Inseln, Marianen, Kaiser-Wilhelms-Land, Bismarck-Archipel und Salomo-Inseln; in, Scovel, A. Land und Leute, Monographien zur Erdkunde XV:1-156, Bielefeld und Leipzig, 1903.
Geographical, includes notes on the vegetation, climate, and many good pictures of vegetation (Micronesia, pp. 55 et seq.). The author visited at least the Marshalls. LC: DU60.W41.

Wells, J. W.

The coral reefs of Arno Atoll, Marshall Islands.
Atoll Res. Bull. 9: 1-14, 1951.
Includes some information on reef-forming algae, and their ecology. Some of the maps and diagrams show their distribution.

Wentworth, C. K., Mason, A. C. and Davis, D. A.
Effects of phosphate mining on land and ground water on Angaur Island, Palau.

1-17, Honolulu, 1949 (mimeographed).

Contains a description of present conditions on the island resulting from investigations made at the request of the Administration of the Trust Territory. Of considerable interest in relation to the ecology of the island.

Wester, P. J.

Before it is too late.

Mid-Fac. Mag. 29: 502-509, 1925.

Article on importance of breadfruit, referring, p. 505, to "ten or twelve different varieties of breadfruit in the Carolines"; informative, but unimportant from Micronesian standpoint.

Wheeler, J.

Report on the island of Guam.

1-51, Washington, 1900.

General report on conditions on Guam, published by the Office of the Adjutant General. A few plants are mentioned on pp. 9-12, and several good pictures show vegetation. LC: DU647. U6, 1900.

White, C. T.

Finschia - a genus of "Nut" trees of the southwest Pacific.

Pac. Sci. 3: 187-194, 1949.

Monographic systematic treatment; includes *F. chloroxantha* Diels, from the Carolines.

Whitmee, S. J.

A missionary cruise in the south Pacific

1-40, Sydney, 1871 a, 2nd ed.

Includes mention of coconut and pandanus in the Gilberts. U. H.

[-----]

Reise nach den Tokelau-, Ellice- und Gilbert-Inseln, 1870.

Petermanns Mitt. 17: 201-206, 1871 b.

Review and excerpts of above entry; includes occasional, brief mentions of vegetation and useful plants.

Wichmann, A.

Bericht über eine im Jahre 1903 ausgeführte Reise nach Neu-Guinea.

Nova Guinea 4: 1-493, 1917.

Account of the expedition. Includes, pp. 329-339, brief description of Mapia Island with mentions of plants, sketch-map and vocabulary including names for plants and plant parts. Bibliog-

raphy.

Wilkes, C.

Narrative of the United States Exploring Expedition during the years 1838 ... 1842.

5: 1-558, Philadelphia, 1845.

Detailed account of the expedition. The "Peacock" and the "Flying-Fish" passed through the Ellice, "Kingsmill" and "Ratack" groups, on their way to Hawaii in April-May 1841. See pp. 45-109. The descriptions of the "Kingsmill" include mentions of plants and vegetation. The "Vincennes" stopped at Wake I. in Dec. 1841, pp. 267-268. There is a brief description of the island and mention of plants. The ship later sighted Agrigan, Assumption and Maug on her way to the Philippines. LC: Q115.W66, 1845.

Williams, L. O.

Orchid studies X.

Bot. Mus. Leaflet. Harvard Univ. 7: 137-148, 1939.

Systematic, includes three species from Ponape.

Wiszwianski, H.

Les fies Palau.

Bull. Soc. Neuch. Géogr. 20: 467-489, 1910.

Discussion of geography and geology of Palau from compiled information. Includes a few words on plants, unimportant.

Wit, H. C. D. de

Notes on the genera *Intsia* and *Pahudia* (Legum.).

Bull. Jard. Bot. Buitenzorg, III, 17: 139-154, 1941.

Systematic, records *I. bijuga* as occurring in the Marianas Islands.

A revision of the genus *Eurya* Thunb. (Theac.) in the Malay Archipelago (including New Guinea and south of the Philippines).

Bull. Jard. Bot. Buitenzorg III, 17: 329-375, 1947.

Contains, p. 358, a reference to *Eurya nitida* in the Caroline and Marianne Islands.

Wittmack, L.

Die Keimung der Cocosnuss.

Ber. deutsch. Bot. Ges. 14: 145-150, 1896.

Discussion of germination of coconut; quotes a description from Hemsheim 1883, pp. 17-18.

Wolf, E.

Die Hanseatische Südsee-Expedition im Jahre 1909.

Reisebericht.

Abhandl. Senckenb. naturforsch. Ges. 36: 108-164, 1915.

Account of the expedition of the "Natuna", includes some notes on Yap and Fais and descriptions of Angaur, with plates showing vegetation.

Wood, G. L. and McBride, P.

The Pacific basin ... ed. 3.

1-393, Melbourne, 1950 (1st ed. 1930, 2nd, 1946).

Geographical but mentions several economic plants from the Marshalls, p. 250. Unimportant. LC: DU22.W6, 1950.

Woodbury, D. O.

Builders for battle.

1-415, N. Y., 1946.

Popular account of building of military air bases on a number of Pacific islands, including Wake. Incidental information on geography, and brief mention of vegetation. Photos. LC: D795. U6 W6.

Woodford, C. M.

The Gilbert Islands.

Geogr. Jour. 6: 325-350, 1895.

Important paper including notes on geography of islands, mentions of vegetation, and list of 23 plants. Contains also citations from earlier accounts.

Wüllerstorff-Urbair, B. von

Reise der Oesterreichischen Fregatte "Novara" um die Erde in den Jahren 1857, 1858, 1859.

See Scherzer, 1861.

Yabe, Y.

Plants of Marcus Island.

Bot. Mag. (Tokyo) 16: 258, 1902.

Text in Japanese. References to eight species in Roman type. Tr. Takeda.

Yamada, I. and Furusato, K.

[Studies on the sugar-cane II. Experiments on flowering of Saipan sugar-cane].

Seiken Zihō 1: 85-88, 1942.

In Japanese. Information on flowering of various varieties of sugar-cane on Saipan. Tr. Takeda.

Yamada, Y.

The phyto-geographical relation between the Chlorophyceae of the Mariannes, Carolines and Marshall Islands and those of the Malay Archipe-

lago, Australia and Japan.

Proc. 3rd Pan-Pac. Cong. Tokyo 1: 964-966, 1928.

Finds no endemic species in Micronesia, most species common to Micronesia and Malaysia. Includes list of 42 species.

Yamada, Y.

Une nouvelle espèce d'Udotea du Pacifique: Udotea Geppii sp. nov.

Rev. Algol. 5: 139-142, 1930.

Species described from Palau.

Notes on Laurencia with special reference to the Japanese species.

Univ. Calif. Pub. Bot. 16: 185-310, 1931.

Includes mentions of *L. mariannensis*, p. 200, and *L. tropica*, sp. nov., p. 230, both from Saipan.

Notes on some Japanese Algae VII.

Sci. Pap. Inst. Algol. Hokkaido 1 (2): 135-140, 1936.

Description of several species, some new. *Dictyota alternifida* from Morkjok, Palau, p. 136; *Gloioderma minutula* reported from Palau and Marianas, p. 138.

The species of *Liagora* from Japan.

Sci. Pap. Inst. Algol. Hokkaido 2 (1): 1-34, 1938 a.

Systematic, with descriptions of some new species; *Liagora pinnata* reported from Monkyoku, Palau, p. 27.

Notes on *Liagora* IV.

Jour. Jap. Bot. 14: 153-163, 1938 b.

In Japanese.

[*Caulerpa* species in the South Seas].

Kagaku Nanyō 3 (2): 95-107, 1940.

Enumeration of species from the Carolines and Marianas. Tr. Takeda.

[*Halimeda* from Micronesia (Chlorophyceae, Siphonales)].

Kagaku Nanyō 4 (2): 12-25, 1941.

Seven species illustrated and morphologically discussed. *H. micronesia*, new sp. Abstract, original not seen.

Yamada, Y.

Notes on Sargassum from the southern parts of Japan, I.

Jour. Jap. Bot. 18: 369-381, 1942.

In Japanese with Latin names. Includes notes on Micronesian species: *Sargassum polycryptum*, from Guam and Saipan.

A list of the marine algae from the atoll of Ant. Sci. Pap. Inst. Algol. Hokkaido 3: 31-45, 1944 a.

Well annotated list, with various new species described.

New Caulerpas and Halimedes from Micronesia. Sci. Pap. Inst. Algol. Hokkaido 3: 27-29, 1944 b.

Descriptions of several new green algae from the Carolines.

Yamaguchi, H.

["Chirino" in Micronesia].

Jap. Jour. Limnol. 9 (2): 28-106, 1939 (Professor Esaki's survey of Micronesia no. 32).

Not seen.

Yamamoto, Y.

Species novae orchidacearum ex insula Ponape (Micronesia).

Trans. Nat. Hist. Soc. Formosa 23: 20-23, 1933. Reprinted in Contr. Herb. Taihoku Univ. 28: 20-23, 1933.

Description of *Arundina kanehira* and *Vanilla ponapensis*, both from Ponape, collected by Kanehira. P. 23 is Japanese summary.

Materials for a flora of the southeastern Asia II. An enumeration of the mangrove plants excluding herbs, climbers, epiphytes, and the lower forms of plant-life, from the Dutch Indies.

Jour. Soc. Trop. Agr. 12: 157-166, 167-169, 1940. Reprinted in Contr. Herb. Taihoku 83: 157-166, 1940.

Pp. 167-169, abstract in Japanese. Includes Micronesian species, e. g. *Acrostichum aureum*.

Yamamoto, Y. et al.

Index Taihokensis 1934-1937.

A list of all new higher plant names published in Japan during the years covered, including new entities and new combinations. Four parts published. I and II in *Kudoa* vol. 2 and 3, by a

process which reproduces handwriting. Nos. III and IV were printed and issued as reprints from "*Kudoa-Gakkwai*", both dated 1937. The authors vary.

[Yamamoto, Y. et al.]

Materials for the floras of Formosa and Micronesia. 1-44, [Taihoku], [1936].

Booklet published to explain the exhibits at the herbarium of Taihoku University; contains lists of publications by staff of the herbarium, including some on Micronesia, and a paper on Micronesia by Hosokawa, which see. Maps.

Yamamoto, Y., Mori, K. and Hosokawa, T.

General index to the scientific and Japanese names of plants recorded in the first series (nos. 1-40) of Contributions from the Herbarium of Taihoku Imperial University.

Suppl. Contr. Herb. Taihoku Univ. 1: 1-35, 1937 a.

List of binomials cited in Contr. Herb. Taihoku, including a few Micronesian species.

Yamamoto, Y., Suzuki, S., Mori, K., Hosokawa, T., Suzuki, T., Fukuyama, N. and Simada, H.

Index Taihokensis III, 1935.

Contr. Lab. Syst. Bot. Taihoku Univ. 1: 1-60, 1937 b (reprinted from *Kudoa-Gakkwai*).

A list of the names of higher plants published in Japan in 1935, including Micronesian species. Introduction in Japanese.

Yamamoto, Y., Suzuki, S., Mori, K., Hosokawa, T., Fukuyama, N., and Simada, H.

Index Taihokensis IV (1936).

1-87, Taihoku, Taiwan, 1937 c. (reprinted from *Kudoa-Gakkwai*).

An index to all new names of higher plants published from Japan, Manchukuo, and Micronesia in 1936.

Yamamoto, Y., Mori, K. and Fukuyama, N.

General index to the scientific and Japanese names of plants recorded in the 2nd series (nos. 41-60) of Contributions from the Herbarium of Taihoku Imperial University.

Suppl. Contr. Herb. Taihoku Univ. 2: 1-35, 1939. Includes names of Micronesian plants.

Yamanaka, I.

[Flowering of *Saccharum spontaneum*].

Kagaku Nanyo 4 (2): 25-36, 1941.

Physiological study, made in Saipan and Tinian, on influence of light and exposition on flowering. Abstract, original not seen.

[Yamasaki, H.]

[On coffee].

Guntō no Sangyō [Dec. 1931]:[15-32, 1931].

Notes on coffee varieties and their cultivation, in Micronesia. Abstract Ashizawa.

[-----]

[On shade].

Guntō no Sangyō [April 1932]:[21-28]; [May 1932]: [1-10], [1932].

Information on intensity of sunlight, comparison of temperatures in shade and direct sunlight. Description of 15 shade plants. Abstract Ashizawa.

Yanaiharu, T.

Pacific Islands under Japanese Mandate.

1-312, London and N. Y., 1940.

Account of economic and social organization, with only a paragraph devoted to economic plants. LC: DU28.Y32.

Yasuda, A.

Notes on fungi.

Bot. Mag. (Tokyo) 30: 153-154, 240-241, 1916 a.

In Japanese, title in English on cover; includes fungi from Micronesia. Tr. Takeda.

[Fungi of the newly-occupied Marianas and Carolines].

Rigaku-kai 13 (12): 894-897, 1916 b.

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[Yoshino, T.]

[On Derris species in the South Sea Islands].

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[Root of Derris sp.].

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[Miscellaneous notes on the vernacular names of the cultivated plants in Micronesia].

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162). *Chara fibrosa* subsp. *flaccida*, comb. nov.,
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Zoa, R., and Sparhawk, W. N.

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sentence on the Marshall, Gilbert, and Ellice Is.
A few species of trees mentioned by name from
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BIBLIOGRAPHY OF THE LAND ECOLOGY AND ENVIRONMENT OF CORAL ATOLLS

Introduction

As one phase of the Coral Atoll Program of the Pacific Science Board, an attempt has been made to bring together and organize the literature concerning all aspects of the land ecology of atolls. This has been taken to include geography, geology, climate, hydrology, soils, and the material culture side of ethnology, as well as more orthodox natural history. One of the principal products of this effort has been the annotated bibliography presented here.

The definition of atoll adopted here is an ecological one, adopted by the Advisory Committee on the Atoll Program, and is somewhat more inclusive than that usually used in geological circles. It more nearly coincides with what are known as "low islands," and includes all islands of coral limestone that are not significantly elevated above present sea-level and that are not in intimate proximity to high islands or continental land masses. Thus barrier reef islets are excluded though they are very similar to atoll islets. A lagoon, though a frequent feature, is not an essential one. This definition is justified because the land ecology of all of the types of low flat limestone islands is similar in many aspects, so long as it is not complicated by close proximity with high land. When it wasn't obvious from data available whether or not certain islands came under the definition, they have usually been included.

The essential features of the Atoll Program of the Pacific Science Board are well elucidated in numbers one and two of the Atoll Research Bulletin. A list of atolls has been prepared by Mr. E. H. Bryan and published as number nineteen of the same Bulletin. The geographic area covered is that part of the tropical seas where these islands are found, principally the central and western Pacific, the Indian Ocean, and the Caribbean and Gulf of Mexico.

One atoll, Rocas, is found in the Atlantic near Brazil. Clipperton Island, in the eastern Pacific, is included, even though it has a small volcanic rock on the reef.

In the preparation of this bibliography there has been no attempt to exclude articles because of supposed triviality or lack of importance, though there has often been a strong temptation to exercise such judgement. Some indication has been made in the annotations of how the authors evaluate certain items, but this must be regarded as subject to their own bias. The criterion for inclusion has been simply whether or not the items contain any information on those aspects of atolls above high tide mark, excluding social anthropology. All papers listed have been seen and examined by the authors unless otherwise indicated.

It is, of course, impossible to know how well the pertinent literature has been covered. The task has been much greater than anticipated. Most of the logical literature has been searched. However, the authors do not claim specialized knowledge in most of the fields involved, so have doubtless failed to find some important papers and probably many trifling ones. There has also been no way to search systematically for those items published in obscure or unexpected places. Perhaps the weakest topics are such as climate, population, material culture, and disease. The geographic areas least well covered are the East Indies and the Caribbean. It is hoped that the publication of this bibliography will stimulate those who have access to literature that has been missed to send in lists of pertinent items so that supplements may make the coverage more adequate.

The cross indexing of this bibliography is much

more comprehensive than for the other two. But it still should be pointed out to users that for any subject the broader topics of which it is a part must be consulted, as inclusive items are not commonly indexed more closely than is indicated in title and annotation.

The work was done principally under the auspices of the Pacific Science Board, but partly on the author's own time. Continued support by the Geography Branch of the Office of Naval Research [Contract No. N7onr-291 (04)] has made it possible to bring the work to its present state of reasonable completion.

BIBLIOGRAPHY OF THE LAND ECOLOGY AND ENVIRONMENT OF CORAL ATOLLS

Abbott, R. T.

The molluscan fauna of the Cocos-Keeling Islands, Indian Ocean.

Bull. Raffles Mus. 22: 68-98, 1950.

Account of Gibson-Hill collection; records nine land mollusks, including *Succinea heelingensis*, sp. nov.; bibliography.

Abbott, W. L.

Notes on the natural history of Aldabra, Assumption and Glericee Islands, Indian Ocean.

Proc. U. S. Nat. Mus. 16: 759-784, 1894.

Descriptions of natural features of islands, of which Glericee seems to be an atoll, though with sand hills.

Adams, A.

Notes from a journal of research into the natural history of the countries-visited ...; in, Belcher, Narrative of the voyage of H. M. S. Samarang 2: 223-571, 1848.

Includes, pp. 511-515, notes on Cargados Carajos, mentioning the vegetation of a few stunted shrubs, and the abundance of sea-birds. LC: D8 991. B42.

Adams, H. and Adams, A.

Monographs of *Eliobium* and *Melampus*, two genera of pulmoniferous Mollusca.

Proc. Zool. Soc. London 1854: 7-13, 1854.

Includes, p. 8, *Eliobium oryza*, n. sp., from Anaa (Cuming).

Adamson, A. M.

Myriopoda of the Marquesas Islands.

Bishop Mus. Bull. 98: 225-232, 1932.

Includes mentions of records from Tuamotu and Marshall Islands.

Agassiz, A.

Three cruises of the ... Blake.

2 vols., Boston and N. Y., 1888.

Chapter 3 of vol. 1, on the Florida Reefs, discusses the West Indian atolls at length, mostly as to marine geology, but gives data on beach-rock cementation, composition of land sediments, and, p. 90, land flora and fauna of Tortugas; maps. LC: QH92.A26.

Agassiz, A.

A reconnaissance of the Bahamas and of the elevated reefs of Cuba.

Bull. Mus. Comp. Zool. Harvard 26 (1): 1-203, 1894.

On p. 4, is a brief reference to Hogsty Reef, and a description of it, pp. 103-108, mainly emphasizing marine features; some information on other West Indian atolls, pp. 150-166; maps.

The islands and coral reefs of Fiji.

Bull. Mus. Comp. Zool. Harvard 33: 1-167, 1899.

On pp. 99-103, lists islands that may be regarded as atolls in the Fiji group, but with little information about each. Mentions others, pp. 121-131. Maps and photos. Mainly marine geology, not important from standpoint of atoll environment.

The coral reefs of the tropical Pacific.

Mem. Mus. Comp. Zool. Harvard 28: 1-410, 1903 a; plus 3 vols. plates and maps.

Comprehensive geological description of the reefs, with incidental information of many sorts on the land geology and geography. Most of the important archipelagoes are treated, including high islands, as well as low. The 236 plates contain much information on physiography and vegetation.

The coral reefs of the Maldives.

Mem. Mus. Comp. Zool. Harvard 29: 1-168, 1903 b.

Mainly marine geology, but contains much incidental geographical information. The 79 plates contain a wealth of data on physiography and vegetation.

Air Weather Service.

Weather conditions on a northern and a central Pacific air route.

A. W. S. Spec. St. 105-43: 1-9, 1950.

Contains a few data for Wake Island and the ocean area surrounding it.

Albrecht, F.

Die Marshallinseln.

D. Rundsch. 29: 49-55, 1906.

General notes on Jaluit.

Alcock, A.

Materials for a carcinological fauna of India. No. 6. The Brachyura Catometopa, or Grapsoida.

Jour. Asiat. Soc. Bengal 89(2): 279-456, 1900.

Systematic revision, mentioning specimens from the Laccadive Islands, for various land or shore genera.

A naturalist in Indian Seas.

1-328, London, 1902.

Extensive observations on the geography and natural history of Indian Ocean islands, including many atolls, especially in the Laccadive group, with notes on the robber crab (coconut crab). Author was naturalist on the voyage of the "Investigator." Bibliography. LC: QL 137. A35.

Catalogue of the Indian decapod Crustacea in the collection of the Indian Museum. Part II. Anomura. Fasciculus I. Pagurides.

1-197, Calcutta, 1905.

Includes a few records from Pacific and Indian Ocean atolls (*Birgus latro*, pp. 148-151), and mentions various hermit-crabs collected in the Laccadives by the "Investigator." LC: QL 441. 5.15.

Aldrich, J. M.

New acalyptate Diptera from the Pacific and Oriental regions.

Proc. Hawaiian Ent. Soc. 7: 395-399, 1931.

Includes *Tethina insularis*, n. sp., from Wake; See also p. 336.

Alexander, C. P.

Check list of Tipulidae of Oceania.

Occ. Pap. Bishop Mus. 9(21): 1-12, 1932.

Styringomyia didyma reported from Fanning Island. Bibliography.

Alexander, C. P.

New Tipulidae from the Society Islands.

Bishop Mus. Bull. 113: 53-56, 1933.

Includes *Styringomyia didyma* recorded from Fanning.

Tipulidae from the Japanese Mandated South Sea Islands (Diptera).

Annot. Zool. Jap. 19: 198-221, 1940.

Includes *Limonia (Dicranomyia) illingworthi* recorded from Wotje.

Tipulidae of the southeastern Pacific (Diptera).

Occ. Pap. Bishop Mus. 18: 337-347, 1947.

Includes a species from the Tuamotus, and one from Fanning.

Alexander, J. M.

The islands of the Pacific.

1-515, N. Y., 1895; ed. 2, 1-369, N. Y., 1908.

Contains scattered information on geography, vegetation, economic plants, etc., of many islands, including some atolls. Photographs. LC: DU21, A37 (ed.1); DU21. A39 (ed. 2).

Alexander, W. B.

The vertebrate fauna of Houtman's Abrolhos (Abrolhos Islands), Western Australia.

Jour. Linn. Soc. Zool. 34: 457-486, 1922.

Enumeration, including records from Felsart group. Bibliography.

Birds of the ocean.

1-428, N. Y., London, 1928.

Handbook of oceanic birds, including many atoll records; some of the photos were taken on atolls. LC: QL673. A37.

Allen, G. M.

Notes on Chiroptera.

Bull. Mus. Comp. Zool. Harvard 52: 25-62, 1908.

Includes *Pteropus ariel*, sp. nov., from Male atoll (Maldives), p. 28.

Type specimens of mammals in the museum of comparative zoology.

Bull. Mus. Comp. Zool. Harvard 71: 227-289, 1931.

Includes *Pteropus ariel* G. M. Allen, from Male

- Atoll, Maldives, p. 234.
- Allen, G. M.
Extinct and vanishing mammals of the Western Hemisphere.
1-620, Lancaster, Pa., 1942.
On pp. 452-457 is an account of the West Indian and Hawaiian monk seals on Triangle Keys, and Laysan and other Hawaiian atolls; bibliography. LC: SK351.A53, no. 11.
- Allen, J. A.
The West Indies seal (*Monachus tropicalis* Gray).
Bull. Am. Mus. Nat. Hist. 2: 1-34, 1887.
Monographic, based on specimens collected on The Triangles, see Ward, 1887.
- Allied Forces
Annotated bibliography of the southwest Pacific and adjacent areas.
2: 1-274, 1944.
Includes a few items pertaining to Pacific atolls, and citing the libraries where they can be found in Australia. LC: Z4501.A4.
- Allman, G. J.
On coral islands and their architects.
Proc. R. Inst. Great Br. 7: 58-67, 1873.
A somewhat fanciful, but not too inaccurate, generalized description of the formation, characteristics, and history of a hypothetical atoll.
- Alsatt, R. S.
[Notes on status of birds on Midway].
Elepaio 5: 49-51, 1945.
Ecological notes on rats vs. birds.
- Amadon, D.
Notes on some non-passerine genera I.
Am. Mus. Novit. 1176: 1-11; (II) 1176: 1-21, 1942; (III) 1237: 1-22, 1943.
-I and II include records from Tuamotus and other atolls. III records some species from Micronesian atolls.
- The Hawaiian honeycreepers (Aves, Drepaniidae).
Bull. Am. Mus. Nat. Hist. 95: 151-262, 1950.
Mentions a few records from Laysan and Midway.
- Anderson, K.
Twenty new forms of Pteropus.
Ann. Mag. Nat. Hist. VIII, 2: 361-370, 1908.
Includes *Pteropus yapensis*, sp. nov., from Yap and Mackenzie Islands (Ulithi), p. 365.
- Anderson, D.
The plants of Arno Atoll, Marshall Islands.
Atoll Res. Bull. 7: 1-4, 1-vii, 1951.
Preliminary report, including brief description of vegetation, and list of plants collected in 1950.
- Anderson, N. J.
Ein Weltumsegelung mit der Schwedischen Kriegsfregatte "Eugenie" 1851-1853.
1-384, Leipzig, 1854.
Translated into German by K. L. Kannegiesser.
Account of Swedish expedition around the world. Includes description of Mokil (Duperrey Island) with notes on plants, animals, natives' houses and foods etc., and brief mention of Keeling atoll.
CY: S. 22.99.
- Andrews, C. W.
[Account of habits of robber-crab].
Proc. Zool. Soc. London 1909: 887-889, 1909.
Mainly on Christmas I. (Indian Ocean) but mentions Diego Garcia. Excellent photo of crabs climbing tree.
- Anon.
Ducie Island. Pacific.
Naut. Mag. 1: 171, 1832.
Brief description, mentioning briefly soil and dense vegetation, quoted from Beechey, 1831, 1:45.
- The Cocos Islands--Indian Ocean.
Naut. Mag. 2: 578-581, 1833.
Includes notes on coconut palms, domestic animals, abundance of turtles, sea-birds, land crabs and a "very large-sized craw-fish" (*Birgus*), and a land bird. Notes that water springs rise and fall with tide.
- [Islands in the Pacific Ocean].
Naut. Mag. 17: 505-517, 570-582, 642-651, 1848.
Continued in Anon., 1849.
The last part includes brief notes on Beutempe-Beaupre, Sikaiana and some of the Carolines, with notes on food-plants, and inhabitants.
- Islands in the Pacific Ocean.
Naut. Mag. 18: 22-30, 86-91, 1849.
Brief notes on various atolls of the Carolines useful for indication of position and old names of islands. The second part includes a vocabulary of language of the "Stewart Islands", also spoken on "Howes group" (Sikaiana and Ontong Java).

Anon.

Kongliga Svenska fregatten Eugenie's resa omkring jorden under befäl af C. A. Virgin åren 1851-1853--Vetenskaplige iakttagelser.

[Voyage around the world of the royal Swedish frigate Eugenie under command of C. A. Virgin in the years 1851-1853--scientific observations]. 3 vols., Stockholm, 1857-1910.

Collection of papers on the results of the expedition by different authors, listed separately if dealing with atolls. Meki, Sikaiana, Cocos-Keeling, and other atolls visited. See also Andersson, 1854, and Skogman, 1855, 1856. LC: Q115. V8.

Bemerkungen über den Atoll von Ebon in Mikronesien.

Zeitschr. f. Allg. Erdk. Berlin n. s. 11: 216-218, 1861.

Not original, mostly compiled from Doane, 1861.

Annexation of Palmyra Island to the Sandwich Islands.

Naut. Mag. 31: 616, 1862.

Item reprinted from a Honolulu paper, with a paragraph of description mentioning three plants "coconut, puhala, and a species of koa" and noting the introduction of beans, corn, and watermelons, and the residence on the atoll of five people curing biche de mer.

Baker, Howland and Jarvis Islands - Pacific.

Merc. Mar. Mag. 12: 65-73, 1865.

Mostly compiled, especially from Hague, 1862.

Las Roccas - S. Atlantic.

Merc. Mar. Mag. 13: 33-50, 1866.

Includes, pp. 34-41, geographical description of Roccas, and discussion of its position, quoting from various surveys. Sketch map.

North Pacific Ocean.

Naut. Mag. 37: 269-275, 1868 a.

Collection of notices on the Leeward Hawaiian atolls from various sources, including good description of the geography and environment of Midway.

Islands in the north Pacific Ocean.

Merc. Mar. Mag. 15: 108-114, 1868 b.

Description of Midway, quoting reports by Capt. Reynolds and S. D. Kennedy, said to have been "recently issued by the U. S. Hydrographic Department". Brief note on Ocean and Pearl and Hermes. Account of Midway includes notes on vegetation, water supply, fauna, soil, etc.

Anon.

Fanning Island - N. Pacific.

Merc. Mar. Mag. 16: 298-300, 1869.

Includes brief description of atoll, mentioning presence of many coconut palms, and listing some introduced fruit and vegetables.

Life on a guano island.

Naut. Mag. 39: 113-118, 1870.

Baker's Island. General notes, nothing on vegetation, but interesting information on weather, including "guano storms," and amusing ideas on coconut crabs.

Die Karolinen.

Hamburg. Gart. Blumenzeit. 41: 490-492, 1885.

Brief compilation, mainly from Meinecke, on the botany of the Carolines; has brief description of atolls, mentioning Lukunor. Unimportant.

Resultate der meteorologischen Beobachtungen....

Mitt. deutsch. Schutzgeb. 8: 226-230, 1895; 13: 86-90, 1900.

Note on new meteorological station and weather observations on Jalmit.

De Mapia- of Bunai-eilanden.

Ind. Mercur 23: 258-259, 1900.

Mostly historical with some geographical information. Apparently quoted from Wichmann, 1900.

Resultate der Regenmessungen auf den Karolinen und Palau-Inseln.

Mitt. deutsch. Schutzgeb. 15: 166-170, 1902.

Includes rainfall observations on Lamotek for 1900-1901.

Niederschlagsmengen auf den Palau-, Marianen-, Karolinen- und Marshall-Inseln.

Mitt. deutsch. Schutzgeb. 17: 204-208, 1904.

Rainfall data.

Anon.

Resultate der meteorologischen Beobachtungen in Herberthöhe.
Mitt. deutsch. Schutzgeb. 18: 360-377, 1905 a.
Includes, p. 372, table of rainfall for 1904, for Lamotrek, and, p. 374, same for Jaluit.

Anon. [Berg?]

Bericht des geschäftsführenden Vizegouverneurs in Ponape über den Orkan vom 20 April 1905, and, Weiterer Bericht....
D. Kolonialbl. 16: 407-409, 457, 1905 b.
Description of effects of a typhoon on vegetation and food supply in Ponape; mentions some destruction on Ant Island. The second paper (p. 457) describes effects of same typhoon on Kusaie, Pingelap and Mokil (reported by Captain of the "Morning Star").

Anon. [Brandeis?]

Weitere Nachrichten des Kaiserlichen Landeshauptmanns über den Orkan vom 30 Juni d. Js., and, Weitere amtliche Mitteilungen über den Orkan....
D. Kolonialbl. 16: 558-559, 674-675, 1905 c.
Both papers describe effects of June 30, 1905 hurricane in various Marshall atolls; destruction of vegetation, especially economic trees.

Anon.

Bericht der stellvertretenden Vizegouverneurs von Ponape über seinen Besuch in den vom Taifun heimgesuchten Gebieten.
D. Kolonialbl. 16: 645-647, 1905 d.
Includes reports of various observers on effects of 1905 typhoon in various atolls of the eastern Carolines.

[Bird protection in the Pacific].

Bird Lore 7: 301-306, 1905 e; 9: 58-59, 1907.
Reprint of various letters concerning bird protection in the Leeward Hawaiian Islands (recommendations, etc.). 1907 note includes a word by W. A. Bryan, remarking on improvement of situation.

Cook and other islands.

1-105, Wellington, 1906 a (N. Z. Parliamentary Paper A-3, 1906).
Includes incidental observations on central Pacific atolls, a photograph of Penrhyn and maps of Hervey, Takutea and Rakahanga. See New Zealand Dept. of Island Territories for other such reports. LC: DU430.C6 C6.

Anon. [Berg?]

Verwaltungsbericht des Vizegouverneurs in Ponape.
D. Kolonialbl. 17: 284-286, 1906 b.
Includes notes on food supply in various atolls (especially Pingelap) after a typhoon.

Bericht über eine Reise des Vizegouverneurs in Ponape nach den Ostkarolinen.

D. Kolonialbl. 17: 551-553, 1906 c.
Notes on various atolls visited after a typhoon, with mentions of food supply especially conditions of coconut palms.

Anon.

Eine Reise nach Neu-Mecklenburg und den westlichen Inseln.
D. Kolonialbl. 18: 514-519, 1907 a.
A trip from New Britain to the Admiralty Islands and atolls to the west: Ninigo, Matty, Durour; little information on the atolls, except for mention of swampy depression and coconut palms, (replaced by brush towards the interior of the island) in Matty.

Anon. [Hahl?]

Weitere Verheerungen des Taifuns.
D. Kolonialbl. 18: 891-892, 1907 b.
Effects of March 1907 typhoon on some atolls of the Carolines: Olimarau, Elato, Lamutrik, Satuwal, with mention of effect on native food supply.

Anon.

Resultate der Regenmessungen im Jahre 1907.
Mitt. deutsch. Schutzgeb. 21: 220-225, 1908 a.
Includes rainfall table for Jaluit.

The development of the resources of the Seychelles.
Bull. Imp. Inst. 6: 107-126, 1908 b.

On p. 121, suggests that Cosmoledo might furnish mangrove bark; p. 123, notes and analyses on soil samples (phosphatic), from Alphonse and Marie-Louise Islands, Seychelles.

Center of the Pacific: the importance of Fanning Island to the Empire.

Graphic 85: 410, 1912.

Unimportant popular article outlining the geography and history, with several photos and map.

The selection of cocoanuts for germination.

Kew Bull. 1915: 72-76, 1915.

Excerpts from various papers on the subject, in-

cluding a quotation from Prain, 1893, on the Laccadives.

Anon.

Tuamotau.

Océan. Franç. 13: 61, 1917; 14: 34, 64-65, 1918.

Short notes on the atolls, with information on soils and agriculture.

Rose Island.

O Le Fa'atou 18 (7): 4, 1920.

Brief account of Gov. Terhune's second visit to Rose, with A. G. Mayor. Description of atoll taken from a report by Mayor.

Flag Day at Manua [title varies].

O Le Fa'atou 20 (6): 1-2, 1922; 21 (6): 1-3, 1923; 22 (6): 1-2, 1924; 24 (6): 7-8, 1926; 25 (6): 1-2, 1927; 31 (6): 4, 1933.

Newspaper accounts of visits of Governors of Samoa to the Manua group, mentioning stops made at Rose Atoll. Some of the accounts mention planting of coconuts on Rose Islet.

Anon. [Larsen, N. P.]

The young coconut as a substitute for mother's milk.

Mid-Pac. Mag. 29: 14-15, [793-796], 1925 a.

Collection of letters on subject to and from Dr. Larsen, including one with brief notes on Fanning Island.

Swains Island [title varies].

O Le Fa'atou 23 (5): 1, 1925 b; 24 (5): 6, 1926; 25 (5): 3-4, 1927; 26 (5): 1, 1928.

Account of official visits to the island, with brief description, notes on population figures, etc.

Census of American Samoa.

O Le Fa'atou 24 (7): 2-3, 1926.

Includes figures for Swains Island; men, 49, women, 38.

The Cook Islands.

N. Z. Jour. Sci. Tech. 9: 360-373, 1928.

General information on N. and S. Cook Islands. Includes short chapters on the atolls, with information on structure, water supply, economic plants and animals, etc. Some of

this is reproduced in Robson's Yearbook.

Anon.

Hurricane strikes islands of American Samoa.

O Le Fa'atou 29 (1): 1-2, 1931.

Account of hurricane of Jan. 13-16, 1931, which affected Samoa, especially Tutuila and Manua (and possibly Rose Atoll?).

The Mangarevan expedition of the Bernice P. Bishop Museum.

Science n.s. 80 (2082): 473, 1934a.

Announcement of successful completion of expedition, list of personnel, general itinerary, etc.

Agricultural developments in the French Establishments of Eastern Polynesia (Oceania).

Proc. 5th Pac. Sci. Cong. 4: 2693-2700, 1934 b.

Includes some discussion of conditions in the Tuamotus, geography, coconut planting. Transmitted by C. A. Henry, but no evidence as to who was author. LC: Q101. P3. 1933 a.

Fanning's romantic history.

Mid-Pac. Mag. 48: 248, 1935 (reprinted from Pac. Is. Mo., July 1935).

Brief historical and geographical account.

Une mission française aux îles Paracels (mer de Chine).

Illustr. 199 (1): 53-54, 1938.

Brief account of the setting up of a light on one of the Paracel Islands. Map, photos.

[Ecological notes on Midway].

Elepaio 2: 33, 1941.

Quotations from Hadden, 1941.

Vegetation on Midway.

Science n.s. 96 (2482, suppl.): 11, 1942a.

A brief note.

Midway plants.

Scient. Am. 167: 170, 1942 b.

Brief note. Mentions the invasion of Laysan by rabbits and destruction of its vegetation (1903).

Anon.

A list of the birds of Micronesia; in, A hand-list of the Japanese birds, ed. 3, 185-223, Tokyo, 1942 c.

Records many species of land and sea birds from various atolls (Marshalls, Carolines, Wake). Also a list of synonyms of names of islands. Smi.: 598.2952.0.74, 1942.

Wind roses for Canton Island, Midway Island and Noumea Island (N. C.).

Pub. Weather Res. Cent. 5 (1): 1-47, 1942 d.

Graphic indications of wind direction and velocity at different altitudes, by months, and a short summary of climatic data for Canton Island, Jan. 1940-Aug. 1941. LC: QC940. P3 P3.

Notes on tropical and exotic diseases of naval importance.

1-94, Bethesda, Md., 1943 a.

Includes geographic distribution with maps, of many tropical diseases with indication if present or absent on atolls, discussion of origin, occurrence and control of various rats. LC: RC986. U62, 1943 b.

Survey of the Paracel Islands and the Pratas Island and Reef; ed. 2: 1-9, Washington, 1943 b (edition 1, issued 1942, said to be identical; mimeographed, Office of Strategic Services, R. & A. No. 739).

Brief geographical and historical compilation. LC: UB250. U33.

Tropical and exotic diseases of naval importance. 1-107, Bethesda, Md., 1945.

Includes distribution and ecology of many tropical diseases, including indication if present on some atolls, maps of distribution, list of insect vectors. LC: RC 986. U62, 1945.

Micronesian expedition of University of Hawaii, summer of 1946.

Pac. Sci. 1: 60-62, 1947.

Section on botany enumerates islands visited by St. John, Rogers and Cowan, and briefly summarizes status of botanical knowledge of the Marshall Islands.

Anon.

Unwanted atolls.

Pac. Is. Mo. 20 (1): 35, 1949 a.

Brief note on Flint mentioning that in 1949 the island was "heavily wooded, with palms predominating."

Minutes of the annual meetings of the Insect Control Committee for Micronesia [after 1950 changed to Invertebrate Consultants Committee for Micronesia].

4 nos., Honolulu, 1949 b-1952 (mimeographed by Pacific Science Board).

1947-1948 on file in Pacific Science Board office, not reproduced. These documents contain various odd bits of information pertaining to Caroline and Marshall atolls. See also Bryan, E. H., 1949.

A study of the carrying capacity of a coral atoll.

Pac. Sci. Ass. Inf. Bull. PS/50/5: 1-2, 1950 a.

A series of very brief preliminary notes on investigations in Arno during the summer of 1950. A small amount of factual data and announcement that preliminary m.s. reports have been prepared.

750 people on islands west of Manus.

Pac. Is. Mo. 20 (12): 82, 1950 b.

Paragraph mentioning small population of Wuwulu and Aua, and saying that the New Guinea Administration sent a party of medical and agricultural experts there.

They are leaving Midway to the gooney birds.

Pac. Is. Mo. 20 (11): 46-57, 1950 c.

Popular note on the coming abandonment of the air-naval station on Midway. Aerial photo showing the two islets.

The George Vanderbilt Pacific equatorial expedition of 1951.

Pac. Sci. Ass. Inf. Bull. RS/51/6:1, 1951 a.

Brief note announcing the return of the expedition, and giving preliminary results of bird count on Laysan.

The Laysan Island cyclorama and late news from Laysan.

Elepaio 12 (1): 1-2, 1951 b.

Description of cyclorama in Iowa State University. Notes on various expeditions to Laysan, mentioning

the changes they observed in vegetation, rabbit and bird populations, etc.

Anon.

Economic development of coral atolls.

Pac. Sci. Ass. Inf. Bull. RS/52/1: 2-3, 1952 a.

Brief discussion of the South Pacific Commission project and of Catala's work on Tarawa and others of the Gilbert group.

Current Pacific scientific research. Pacific Science Board, U. S. National Research Council. Pac. Sci. Ass. Inf. Bull. Supplement RS 52/5: 1-3, 1952 b.

Includes information on research projects in Raroia and Amo in 1952.

Horrible Tahiti story about large rats.

Pac. Is. Mo. 22 (11): 99, 1952 c.

Much exaggerated tale of rat plague on Nengonengo Atoll, Tuamotus.

Geologic and hydrologic studies continue in the Marshalls.

1-4, [Washington], [1952 d] (mimeographed).

Essentially the same as Anon., 1952 e.

[Scientific reconnaissance... in the Marshall Islands.]

Pac. Sci. 6: 324-325, 1952 e.

Brief account of the Northern Marshalls Expedition of the U. S. Geological Survey, 1951-1952, with a very brief summary of some of the results in geology, soils, and vegetation.

The colonists of Gardner Island.

Pac. Is. Mo. 22 (11): 41, 1952 f.

Extract from Laxton 1951, on Gilbertese colony on Gardner; notes on coconut toddy.

U. S. to explore "Paradise Islands."

U. S. Naval Inst. Proc. 78: 225, 1952 g.

Highly inaccurate note on "Project Atoll" (U. S. Geological Survey Marshall Islands Expedition). Extracted from N. Y. Times, Nov. 23, 1951.

Geologic and hydrologic studies in the Marshall

Islands.

Pac. Sci. Ass. Inf. Bull. PS/52/7: 6-7, 1952 h.

Essentially the same as Anon. 1952 e, with addition of note on subsequent visit to Taongi and Bikar atolls.

Anon.

Coral atoll project . . . , and, Anthropological studies of Raroia, Tuamotu Islands.

Pac. Sci. Ass. Inf. Bull. PS/53/3-4: 7-8, 1953 a.

Information on Pacific Science Board Ifaluk expedition in 1953, and (second paper) note on Danielsson's projected study of Raroia.

See also, Air Weather Service, Allied Forces, Australia, Great Britain, Pacific Science Association, etc.

Arai, H.

[Investigation of drinking water in the South Sea Islands].

Bull. Naval Med. Assoc. 17(1): 42-56, 1928.

Results of analysis of waters from various sources in Micronesia, including various atolls in Carolines and Marshalls. Observations made in 1952. In Japanese.

Arnou, T.

The hydrology of atolls.

Eighth Pac. Sci. Congr. Abstr. 108-109, 1953.

Abstract of summary presented for atoll symposium.

The hydrology of the northern Marshall Islands.

Atoll Res. Bull. 30: 1-7, 1954.

Preliminary results of survey made during an expedition to the northern Marshalls, 1951-52, including notes on climate and information on water supply. Discusses occurrence of ground water and gives tables of analyses. Map, tables.

Arrow, G. J.

Coleoptera, Erotylidae and Endomychidae from the Seychelles, Chagos and Amirantes Islands.

Ann. Mag. Nat. Hist. IX, 10: 73-83, 1922.

Includes a few species from the atolls.

Arundel, J. T.

The Phoenix group and other islands.

A paper read at the Geographical Society of the Pacific, San Francisco, March 3, 1885; reprinted, with added notes in New Zealand Herald, July 5 and 12, 1890.

Not seen, except for typed copy in Bishop Museum.

- Brief notes on Starbuck, Caroline and Phoenix Islands, after a visit of "many years ago." Brief descriptions of islands, notes on bird colonies on Starbuck.
- [Arundel, J. T.]
Upupau Head colony and Starbuck Island.
Elepaio 12 (6):40, 1951.
Excerpt from Arundel, 1885, on Birds of Starbuck.
- Asahina, S.
Odonata-Anisoptera of Micronesia.
Tenthredo 3 (1): 1-23, 1940.
Includes records from Ebon, Jaluit, Wotje, Tobl and Woleai, and Gilberts; notes on distribution of species.
- Asano, K.
[Coral reefs of the South Sea Islands].
[Contr. Inst. Geol. Tohoku Univ.] 39: 1-19 (27-45), 1942.
Translation in GS. Includes notes on Jaluit.
- Aso, Y.
[A preliminary study of the properties and formation of phosphate deposits on Tokobei Island].
[South Sea Development Co., 1937]. Seen only as translation, pp. 1-19, prepared by S. Ofuji, edited by L. Westcott, 1953, U. S. Geological Survey for Intelligence Div., Office of the Engineer, HQ, AFPE.
Includes some information on topography, geology, soil, water-supply, plants, animals, population figures, etc. Photos (not reproduced) and map (reproduced).
- [-----]
[Phosphate ore]. Rinkō.
1-365?, Tokyo, 1940, (translation filed in GS).
Extensive geological and mining engineering monograph covering phosphate occurrence in the entire world, including atolls in Carolines, Marshalls, Central Pacific, Leeward Hawaiian Islands, etc. Geographical notes and brief description of vegetation. Discussion of guano accumulation and phosphatization, and the biological and chemical phenomena involved.
- Atkinson, A. L. C. and Bryan, W. A.
A rare seal.
Bull. N. Y. Zool. Soc. 16 (66): 1050-1051, 1914.
Notes on occurrence of *Monachus schauinslandi* in Hawaiian atolls.
- Attems, C. G.
Die indo-australischen Myriopoden.
Arch. Naturg. 80 (4): 1-398, 1914.
Monograph, with lists by regions, notes on distribution and systematic treatment of species.
Bibliography. P. 42, list for Marshalls, p. 43, for Ellice Islands; other species mentioned from atolls, though not in lists.
- Myriopoden von Hawaii.
Proc. Zool. Soc. London 108 B: 365-387, 1938.
Lists of species from the Marshalls, Laysan, Johnston, and Ellice.
- Audran, H.
Napuka et ses habitants.
* Bull. Soc. Et. Océan. 1 (3): 126-136, 1918.
Includes brief notes on vegetation of Napuka and Tepoto with a word on soils, water supply, domestic animals.
- Fakahina.
Bull. Soc. Et. Océan. 19: 227-235; 20: 251-259, 1927.
Historical account; the first paragraphs include a brief description of the atoll, reported to be luxuriantly covered with coconut palms.
- Audubon, J. J.
Ornithological biography.
5 vols., London, 1831-1849 [error, i. e. 1839].
Text referring to plates of The birds of North America. Vol. 3, 1835, includes, pp. 263-269, notes on *Sterna fuliginosa* observed on Dry Tortugas; p. 507, *S. cayana* recorded from Dry Tortugas.
LC: QL 674. A9, 1831, rare books.
- A synopsis of the birds of North America.
1-369, Edinburgh, 1839.
Catalogue of birds in systematic order. Includes some birds recorded from Dry Tortugas, pp. 316-317. LC: QL 681. A98, rare books.
- [-----]
Audubon and his journals by Maria R. Audubon....
2 vols., N. Y., 1897.
Vol. 2, pp. 371-373, includes brief description of Dry Tortugas, with notes on birds and turtles.
LC: QL31. A9 A2.
- Aurivillius, C.
Coleoptera (Cerambycidae) from the Seychelles

- Islands, Aldabra and Rodriguez.
Ann. Mag. Nat. Hist. IX, 10: 421-443, 1922.
Mentions *Coptops aedificator* from Salomon and Diego Garcia atolls, p. 437.
- Austen, E. E.
The Percy Sladen Trust Expedition to the Indian Ocean in 1905, and 1907-1909, under Mr. J. Stanley Gardiner, M. A. -- Diptera: Tabanidae. Bull. Ent. Res. 11: 43-45, 1920.
Records *Tabanus albipectus* from the Amirantes.
- Austin, C. J.
Leprosy in Fiji and the south seas.
Proc. 7th Pac. Sci. Cong. 7: 279-291, 1953.
Includes information on patients from the Gilbert Islands.
- Australia
Report to the League of Nations on the administration of the Territory of New Guinea . . . 1914-1940, Melbourne, Canberra, 1922-1941.
Some of these reports include information on Melanesian atolls, especially population figures and information on health conditions. Maps. LC: J981.N4 R16. Similar post-war reports to United Nations, 1946-date, LC: J981. N4 R162.
- Australia, Commonwealth Government.
Official handbook of the territory of New Guinea . . . 1-551, Canberra, 1943.
Includes geographical description of Bismarck Archipelago with some information on the north-western atolls, pp. 121-123, and the atolls north and east of Bougainville, pp. 127-129. AGS.
- Avila, F. W.
Quarterly report, Marshalls District; period of 1 Jan 1951 to 30 Mar 1951.
1-30 a, [Majuro, Marshall Islands], 1951 (mimeographed).
Report of Civil Administrator to Chief of Naval Operations; containing some miscellaneous information on distribution of domestic fowl to natives, agricultural production, and, especially, on pp. 5g-5gl (6 pp.) a report of the damage done by a typhoon in March, 1951.
- Baarslag, K.
Islands of adventure.
1-312, London, 1941.
Popular travel book, with, pp. 101-103, a bit of information on the Tuamotus, and, pp. 278-282, a historical account of Clipperton. Unimportant. LC: G477. B15, 1941.
- Backhouse, T. C.
Filariasis in Melanesia.
Proc. 7th Pac. Sci. Cong. 7: 239-251, 1953.
Mentions results of a survey carried out on Matty in 1935. Bibliography.
- Baer, L. S. and Allen, R. R.
Health status of the Marshallese.
Am. Jour. Trop. Med. 24: 345-347, 1944.
Results of a survey carried out early in 1944.
- Bailey, A. M.
The Portulaca flats of Laysan.
Audubon Mag. 44: 150-161, 1942.
Popular notes on Laysan birds, with photographs.
- Notes on the birds of Midway and Wake Islands.
Wilson Bull. 63 (1): 35-37, 1951 a.
Midway and Wake visited in 1949. Mentions that Laysan rails and finches liberated on Midway in 1913 by author had been exterminated by 1949.
- Wake Island observations.
Mus. Pict. 3: 47-64, 1951 b.
Popular account of a visit to Wake Island in 1949, illustrated by many excellent photographs.
- Bailey, A. M. and Niedrach, R. J.
Stepping stones across the Pacific.
Mus. Pict. 3: 4-47, 1951.
Popular and informative account of a visit to Midway in 1949, illustrated by excellent photographs, mostly of birds; some information on Laysan, also.
- Bailey, J. W. and Harvey, W. H.
Algae: in, U. S. Exploring Exped. XVII Botany Cryptogamia (Gray ed.) 153-192, Philadelphia, 1874.
Enumeration of species collected by the expedition, including a few from atolls: Wake, Tuamotus, pp. 167-172, and 189. LC: Q115. W6.
- Baker, C. L.
Formation of Indo-Pacific coral reefs and atolls.
Pan-Am. Geol. 50: 15-24, 1933.
Mainly marine geology, but quotes Gardiner, p. 24, on widespread 8-10 ft. emergence and on origin of islets. On p. 20, note on pumice from submarine eruption.
- B[aker], H. L.
Pieris completes coconut survey; notes room for

improvement.

Micronesian Mo. 2 (4): 9, 1953.

Merely announces completion and future publication of study completed for South Pacific Commission on Truk, Ponape, and the Marshalls, and notes high points and possibilities for improvement of plantation practices.

Baker, H. B.

Zonitid snails from Pacific Islands, parts 1-4. Bishop Mus. Bull. 158: 1-102, 1938; 165: 103-201, 1940; 166: 202-370, 1941.

Monographic systematic treatment, including species from most of the large Pacific atoll groups. Section on distribution, with geographic index, pp. 347-363.

Baker, J. G.

Flora of Mauritius and the Seychelles. 1-557, London, 1877.

Includes at least a few records from Galega (Agalega) s. g. *Azofelia bijuga*, p. 90. GS: 923 (790) B17.

Baker, R. H.

Some effects of the war on the wildlife of Micronesia.

Tr. 11th N. Am. Wildlife Conf. 205-213, 1946.

Includes a few remarks on the effects of war on the vegetation and animal life of Ulithi.

Report on collections of birds made by United States Naval Medical Research Unit No. 2 in the Pacific war area.

Smiths. Misc. Coll. 107 (15): 1-74, 1948.

List of various birds from Ulithi; map of atoll; some excellent photos showing vegetation of several Micronesian islands, including Ulithi.

The avifauna of Micronesia, its origin, evolution and distribution.

Univ. Kansas Pub. Mus. Nat. Hist. 3 (1): 1-359, 1951.

Monographic treatment of birds of the Marianas, Carolines and Marshalls. The discussion of range for each species includes records from Pacific atolls other than Micronesian. Various animal species from atolls occasionally mentioned in notes on bird parasites. Extensive bibliography.

Baldwin, P. H.

Fate of the Laysan Rail.

Audubon Mag. 47: 343-348, 1945.

Emphasizes the role of man, rabbits and rats

in the destruction of rails on Laysan and Midway; notes on conservation.

Baldwin, P. H.

The life history of the Laysan Rail.

Condor 40: 14-21, 1947.

Compilation of all information available on this apparently extinct bird. Bibliography.

Balfour, I.

Observations on the genus *Pandanus* (screw-pines) Jour. Linn. Soc. Bot. 17: 33-68, 1878.

Enumeration of the known species; no direct reference to occurrence on atolls but several of the species actually occur on atolls and some of the bibliographical references concern atolls.

Balfour-Browne, J.

Aquatic Coleoptera of Oceania (*Dysticidae*, *Gyrinidae* and *Palpicornia*).

Occ. Pap. Bishop Mus. 18: 103-132, 1945.

Includes records from Gilberts, Tokelau (Atafu), Fanning, and Marshall Islands.

Ball, S. C.

Migration of insects to Rebecca Shoal light-station and the Tortugas Islands, with reference to mosquitoes and flies.

Carnegie Inst. Pub. 252: 193-212, 1913.

Experimental and observational data, both on migration and breeding, of various insects, including, also, Odonata, Neuroptera, and Lepidoptera.

Jungle fowls from Pacific Islands.

Bishop Mus. Bull. 108: 1-121, 1933.

Account of ostensibly wild birds, mainly an analysis of variation. On p. 7, refers to historical record of use of fowls for food in Tuamotus, but on p. 21, makes categorical statement that "the low coral islets do not provide a suitable habitat for wild jungle fowl." Bibliography.

Balis, H.

Paguridae: in, Wiss. Ergebn. "Valdivia." 20:(2): 1-40, 1912.

The systematic part includes shore and land species from Diego Garcia, Chagos, and Suvadiva.

Ostasiatische Decapoden IV. Die Brachyrynchen (*Cancriidea*).

Arch. Naturg. 88 A (11): 94-166, 1922.

Monographic revision. Includes at least one atoll land crab; ?*Discoplax longipes* A. M. -E. from Jaluit (Schnee), p. 158. Bibliography.

Bálas, H.

Die Krabben der Reise J. W. Harms' nach der Christmas-Insel und dem Malaisischen Archipel. Zool. Anz. 106: 225-237, 1934.

Jaluit mentioned in records of *Cardisoma pagenstecheri*, p. 236.

Die Dekapoda Brachyura von Dr Sixten Bocks Pazifik-Expedition 1917-1918.

Göteborgs k. Vet. o. Vitterh. Samh. Handl. V, 5B (7): 1-85, 1938.

Systematic treatment of a great many species collected in the Marshall, Gilbert, and Ellice Atolls; includes some shore and land crabs, e. g., *Uca*, *Grapsus*, *Metasesarma*, *Cardisoma*.

Banks, J.

Journal of the Right Hon. Sir Joseph Banks . . . 1-437, London, 1896.

Edited by J. D. Hooker. Account of Cook's first voyage (see Cook, 1893). Includes brief remarks, pp. 69-70, on Lagoon I. (Vahitahi) and another atoll (Akiaki), mentioning vegetation, birds and inhabitants. On p. 365, account of a brief stop on one of the Thousand Islands (Middleburg) where a bat, some plovers and some plants were collected. Note on Edam Island, p. 383. LC: G420. C65 B2.

Banner, A. H.

The Coral Atoll Project for 1951: Onotoa, Gilbert Islands.

Proc. Hawaiian Acad. Sci. 27: 6, 1952.

Brief account of expedition, with a short description of Onotoa.

Banner, A. H. and Randall, J. E.

Preliminary report on marine biology study of Onotoa Atoll, Gilbert Islands.

SIM Rept. 13: 1-62, 1952 a (mimeographed).

Part I (by Banner), includes some information on shore animals and their ecology, and on land and shore crustaceans used as food. Part II (by Randall) mentions a few plants used in the manufacture of fishing implements.

Preliminary report on marine biology study of Onotoa Atoll, Gilbert Islands.

Atoll Res. Bull. 13: 1-62, 1952 b.

A reissue of Banner and Randall, 1952 a.

Barbour, T.

A contribution to the zoogeography of the East

Indian Islands.

Mem. Mus. Comp. Zool. Harvard 44: 1-203, 1912.

The list of species includes *Dasia smaragdinum*, from Ebon.

Barbour, T.

Reptiles and amphibians from the British Solomon Islands.

Proc. New England Zool. Club 7: 91-112, 1921.

In discussion of *Dasia smaragdinum*, mentions race *viridipunctum*, from Marshall Islands, p. 106.

Barbour, T. and Loveridge, A.

Typical reptiles and amphibians in the Museum of Comparative Zoology.

Bull. Mus. Comp. Zool. Harvard 69: 203-360, 1929.

Enumeration of the specimens in the Museum; includes some from various atolls.

Barclay, A.

Description of St. David's Islands, in the passage to China.

Nav. Chron. 18: 283-284, 1807.

Brief description of *Mapia*, mentioning presence of coconuts.

Barnes, H. F.

Gall midges (*Cecidomyiidae*) associated with coffee. Rev. Zool. Bot. Afr. 32: 324-336, 1939.

Includes *Megommata seychelli*, n.g., n.sp., pp. 333-335, from "Derris Island, Seychelles." (*Denis?*). Food: *Pulvinaria* sp.

Barney, W. S.

Aerial weather reconnaissance in the Pacific.

Proc. 7th Pac. Sci. Cong. 3: 9-21, 1952.

Description of method of aerial reconnaissance. Some such flights are made from Guam over Micronesia.

Barrett, A. J.

A malaga to the Tokelaus on the M. V. "Tutuila." O Le Fa'atoua 37 (12): 2-3, 1939.

Includes population figures for Atafu, Nukunono, and Fakaofu. Brief description of the latter.

Barrett, C. L.

Australian bird life.

1-239, Melbourne, 1947.

Mentions at least one bird from Pelsart Island, *Sterna dougalli*, p. 92. LC: QL 693. B3. .

Bartels,

Bericht über das Vorkommen der Framboesia und des Ringwurms auf den Marshall-Inseln und auf Nauru.

Arb. Gesundheit. 18: 164-168, 1902.

Notes on incidence of framboesia and ringworm in the Marshalls. Mentions also Pingelap and Gilbert Islands.

Bartram, E. B.

Polynesian mosses.

Occ. Pap. Bishop Mus. 10 (10): 1-28, 1933.

Has large section on Tuamotus, but mostly records from Makatea; three species of Calymperes, two of them new, from atolls, *C. tenerum*, from Tikei, *C. tuamotunense*, from Ahii and Manihi, *C. quaylei*, from Scilly. Strictly taxonomic.

Mosses of southeastern Polynesia.

Occ. Pap. Bishop Mus. 15: 323-349, 1940.

Records *Calymperes tuamotunense*, from Anaa, Ahii, and Faite; *C. tenerum*, from Hao; *Brachymerium melanothecium*, from Hao, South Marutea, and Timoe; and *Taxithelium falcifolium*, from Oeno.

Pacific outpost mosses.

Bryol. 48: 45-53, 1945.

Mosses listed from Palmyra, Danger Islands, and Swains Island.

Bartsch, P.

A visit to Midway Island.

Auk 39: 481-488, 1922.

Enumeration and description of birds observed in 1907.

Bartsch, P. and Rehder, H. A.

Mollusks collected on the presidential cruise of 1938.

Smiths. Misc. Coll. 98 (10): 1-18, 1939.

Records, p. 16, a land snail from Clipperton Atoll.

Basevi, J. P.

Beschreibung der Insel Minicoy.

Petermanns Mitt. 18: 295-297, 1872.

General description, with mentions of vegetation, flora and fauna, climate, natives' foods. Map.

Bassett-Smith, P. W.

Report on the corals from the Tizard and Macclesfield Banks, China Sea.

Ann. Mag. Nat. Hist. VI, 6: 353-374, 443-458, 1890.

Marine biology; the first part includes a brief description of the banks: Macclesfield is entirely submerged, Tizard with three islets: Sand-Kay, Nam-Yit (well-covered with small trees), Itu-Aba, with large trees.

Baur, G.

New observations on the origin of the Galapagos Islands, . . .

Am. Nat. 31: 661-679, 864-896, 1897 (not completed).

The second part contains notes on zoogeography of the Pacific, mentioning atoll records for various species.

Bavay, A.

Mollusques terrestres et fluviatiles.

Nova Guinea 5: 269-292, 1908.

Omphalotropis mapianus sp. nov. with two varieties, described on p. 290 from Mapia.

Bax, A. ed.

The Mauritius almanac and commercial handbook. [1-430, in 8 alphabetically designated separate paginations], Port Louis, Mauritius, 1939.

On pp. A5-All is a section on the dependencies of the Colony of Mauritius, including geographical, population, commercial, and some natural history information on the atolls of the southwestern Indian Ocean. LC: DT469. M4 M4.

Beaglehole, E.

Islands of Danger.

1-212, Wellington, 1944.

Interesting account of everyday life during the author's eight month sojourn on Pukapuka in 1933, little natural history information, but some excellent photographs. LC: DU430. P8 B4.

Beaglehole, E. and Beaglehole, P.

Ethnology of Pukapuka.

Bishop Mus. Bull. 150: 1-419, 1938.

Botany, pp. 26-27, contains a list of local plant names, about 40 with binomial equivalents. Sections on environment and material culture are important. A few photographs. Bibliography.

Beaglehole, J. C.

The exploration of the Pacific.

1-411, London, 1934.

- Historical geographic account of the great voyages, no original information, but useful in identifying islands described by voyagers with their modern designations. LC: DU19. B4.
- Beccari, O.**
The origin and dispersal of *Cocos nucifera*. *Philipp. Jour. Sci.* 12 Bot.: 27-43, 1917.
A lengthy discussion referring in various places to atolls, especially Palmyra, Palmerston and Keeling, in which the author concludes that the coconut is a natural inhabitant of coral islands and that it must have originated in Asiatic or Polynesian regions.
- Beccari, O. and Reck, J. F.**
A monographic study of the genus *Pritchardia*. *Mem. Bishop Mus.* 8: 1-77, 1921.
On p. 13, notes occurrence of *Pritchardia*, probably *P. remota*, on Laysan.
- Beck, G. von**
Flora des Stewart-Atolls im Stillen Ocean. *Ann. Naturhist. Mus. Wien* 3: 251-256, 1888.
A systematic enumeration of 17 species, including *Fimbristylis faulensis*, *Fleurya glaberrima*, *Schmidelia lasiostemon*, *Procris obovata*, *Bassia microcalyx*, n. spp. See also von Hochstetter.
- Becker, T.**
Dipterologische Studien. Dolichopodidae der indo-australischen Region. *Capita Zool.* 1 (4): 1-247, 1922.
Systematic; includes at least two new species recorded from Jaluit: *Chrysozoma abbreviatum*, p. 193, and *Sciopus evulgatus*, p. 205.
- Beddard, F. E.**
The earthworms of the Maldive and Laccadive Islands; in, Gardiner, The fauna and geography of the Maldive and Laccadive Archipelagoes, 1: 374-375, 1903.
Systematic and ecological.
- Beechey, F. W.**
Narrative of a voyage to the Pacific and Beering's Strait, to cooperate with the polar expeditions; performed in His Majesty's ship "Blossom," under the command of Captain F. W. Beechey... in the years 1825, 26, 27, 28.
1: 1-472; 2: 1-452, London, 1831.
In vol. 1 are reports of visits to many atolls of the Tuamotus, with miscellaneous information on geography, vegetation, ethnology, etc. Map. LC: G650. 1825 B41.
- Beechey, F. W. ed.**
The zoology of Captain Beechey's voyage.... 1-180, London, 1839.
Different groups treated by various authors, see Vigors, and Owen. LC: QL5. B4 rare books.
- Beeson, C. F. C.**
Check list of the Scolytidae and Platypodidae of Oceania. *Jour. Feder. Malay St. Mus.* 18: 287-298, 1938.
A list, with bibliography; includes records from Washington, Fanning, Cocos-Keeling.
- Scolytidae and Platypodidae of the Mangareva expedition. *Occ. Pap. Bishop Mus.* 15: 191-211, 1939.
Includes *Xyleborus kraatzi* from South Marutea.
- Behm, E.**
Das Amerikanische Polynesien. *Petermanns Mitt.* 1859: 173-194, 1859.
Extensive geographical compilation treating most of the atolls of the central Pacific, with incidental notes on vegetation of many of them; maps.
- Behrens, C. F.**
Reise durch die Südländer und um die Welt. 1-331, Frankfurt, Leipzig, 1737.
Narrative of Roggeveen's voyage, including account of discovery of several of the Tuamotus, with very general remarks on their appearance, products, etc. Chart of voyage. LC: G420. R77 B4.
- [Behrens, C. F.]
Histoire de l'expédition de trois vaisseaux.... 2 vols., La Haye, 1739.
French translation of Behrens, 1737. LC: G420. R77 B5.
- Behrmann, W.**
Ozeanien; in, Klute, F., *Handbuch der geographischen Wissenschaft, Australien, Ozeanien....* 241-315, Potsdam, 1930.
Brief mentions of atolls and atoll groups. Photos, maps, bibliography. AGS:463.1.
- Beier, M.**
Pseudoscorpionidea I. Suborders Chthoniinea et Neobisiinea. *Tierreich* 57: 1-258, 1932 a.
Systematic monograph, including some atoll species e. g., *Garypus maldivensis*, from Addu Atoll, p. 222.

Beier, M.

Pseudoscorpionidea II. Suborder C. Cheliferinea.
Tierreich 58: 1-294, 1932 b.

Includes some atoll species e. g., p. 206
(Marshall).

Zur Kenntnis der Cheliferidae (Pseudoscorpionidea).

Zool. Anz. 100: 53-67, 1932 c.

Systematic, includes *Allowithius australasiae*
n. sp., from Jaluit, p. 54.

Revision der Atemnidae (Pseudoscorpionidea).
Zool. Jahrb. Syst. 62: 547-610, 1932 d.

Systematic treatment, with keys; includes
Paratemnus insularis n. g., n. sp., from the
Marshall.

Die Pseudoscorpionidenfauna der landferner
Inseln.

Zool. Jahrb. Syst. 74: 161-192, 1940.

Lists of species from various island groups,
many of them atolls: Chagos, Addu, Ellice,
Marshall, Laysan. Systematic enumeration with
descriptions of new genera and species.

Belcher, E.

Narrative of a voyage round the world, performed
in Her Majesty's ship "Sulphur" during the years
1836-1842....

1: 1-387, 2: 1-474, London, 1843.

Vol. 1 includes visit to Clipperton (p. 255,
brief description, mentioning absence of trees
and abundance of birds), and some of the Tuamotu
especially Fangahina and Hao, with description,
mentions of plants, water supply. Describes
attempt to bore in coral rock on Hao. LC: G420.
B3.

Narrative of the voyage of H. M. S. Samarang,
during the years 1843-46.

2 vols., London, 1848.

Vol. 2 includes, pp. 193-204, a brief account
of Cocos-Keeling, and a description of Cargados
Carajos, with notes on topography of islets, plants,
animals, water supply, etc. The natural history
of the trip, by A. Adams, is listed here separately.
Adams, 1848. LC: D8601. B42.

Bell, H. C. P.

The Maldive Islands.

1-133, Colombo, 1883.

Includes information on geography, with description
of individual atolls, climate, water supply,
flora, fauna, population figures, material culture,
etc. The "Notes" quote largely from earlier works.
Charts. LC: D8491. M3 B4.

Bellingshausen, F. F.

Two exploring expeditions in the Antarctic ocean
and a voyage around the world in the years 1819,
1820, and 1821 made in the sloop Vostok (Orient)
and Mirnyi (Pacific) under the command of Captain
Bellingshausen....

2 vols., St. Petersburg, 1831.

In Russian. Translation of title copied from
tipped-in English title page in photostat copy in
Library of Congress. LC: G850, 1819. B37. For
annotation see Debenham, F., 1945.

Bemmelen, E. W. van

The geology of Indonesia.

Vols. 1A, 1B, 2: The Hague, 1949.

Vol. 1A includes a few mentions of atolls with
brief discussions of their origin, as on pp. 323,
437. Bibliography. LC: Q9301. A1 B4.

Bennett, F. D.

Narrative of a whaling voyage around the globe,
from the year 1833 to 1836....

2 vols., London, 1840.

Vol. 1 includes some atolls, especially Caroline
and Christmas with, pp. 365-388, an extensive
account of their natural history, with lists
of their floras; in vol. 2, pp. 327-395, an account
of the botany of the voyage, containing
important records; botanical specimens turned over
to Lambert and Don. Author was investigating anatomy
and habits of sperm whales, and general natural
history of islands visited. Map. LC: DU21. B47.

Bennigsen, R. von

Ueber eine Reise nach den deutschen und englischen
Salomons-Inseln.

D. Kolonialbl. 12: 113-117, 1901 a.

Includes brief notes on such atolls as Ontong-
Java, Nukumanu (Tasman), Tauu (Mortlock) and
Nuguria (Faed). Mentions of vegetation, foods,
natives.

Reise des Gouverneurs v. Bennigsen nach den
Karolinen und Palau-Inseln.

D. Kolonialbl. 12: 447-450, 1901 b.

Includes, p. 449, a few lines describing Sonso-
rol, Merir and Pulo Ana.

Benson, G.

Sketch of Christmas Island, with a chart of the island.

Hawaiian Spectator 1 (2): 64-68, 1838.

Geographical description of the island, with notes on animals, vegetation, lack of fresh water, etc. Author was castaway there for over seven months.

Christmas Island.

Friend 14:21, 1857.

Reprint of part of Benson, 1838.

Bent, A. C.

Life histories of North American petrels and pelicans and their allies.

Bull. U. S. Nat. Mus. 121:1-343, 1922.

Includes information on birds from atolls of the Pacific and Indian Oceans, and Caribbean atolls, with quotations from various earlier texts and photos. Reprint LC: QL 689. P6 B4.

Bentham Jutting, W. S. S. van

Non-marine Mollusca from the satellite islands surrounding Java.

Arch. Neerl. Zool. 5: 251-348, 1941.

Includes short descriptions of Duizend Eilanden and other small coral islands outside the Bay of Batavia. Enumeration of shells found there. Discussion of distribution and ecology.

Bentzen, C.

Land and livelihood on Mokil,, Part II.

CIMA Rept. 25: 1-188, 1949 (duplicated).

Mainly economic, with information on geography and resources, an extensive section on agriculture, and one on domestic animals (for Part I, see Weckler, 1948). LC: DU568. M6 W4, pt. 2.

Bequaert, J. C.

The Hippoboscidae of Oceania (Diptera).

Occ. Pap. Bishop Mus. 16: 247-292, 1941.

Several of these insects, parasitic on sea-birds, are recorded from various Pacific atolls.

Berg,

Bericht des stellvertretenden Landeshauptmanns

Berg über seine Reise nach Nauru.

D. Kolonialbl. 17: 572, 574, 1906.

Describes conditions on Millil after a typhoon (food supply); note on domestic animals on Butaritari (Gilberts).

Berland, L.

Araignées des Iles Marquises.

Bishop Mus. Bull. 114: 39-70, 1933.

Scytodes striatipes recorded from Funafuti.

Araignées de Polynésie.

Ann. Soc. Ent. France 103: 321-336, 1934 a.

Enumeration of spider species from various Pacific island groups. Includes, p. 332, some species from Fakarava and Napuka.

Les araignées de Tahiti.

Bishop Mus. Bull. 113: 97-107, 1934 b.

Includes mentions of records from Funafuti and Marshalls, p. 107.

Les araignées du Pacifique.

Mém. Soc. Biogéogr. 4: 155-180, 1934 c. . .

On p. 167 is a very brief summary of the spider fauna of atolls and low islands. Checklist of Polynesian spiders. Bibliography.

Polynesian spiders.

Occ. Pap. Bishop Mus. 17: 1-24, 1942.

Records many species from various Pacific atolls.

Berland, L. et al.

Contribution à l'étude du peuplement zoologique et botanique des îles du Pacifique.

Mém. Soc. Biogéogr. 4: 1-288, 1934.

A collection of essays on various aspects of the colonization of the Pacific islands, those which mention coral islands listed under their separate authors.

Berlioz, J.

Les caractères de la faune avienne de Polynésie.

Oiseau Rev. Fr. Ornith. 10: 542-551, 581-590, 1929.

General notes on the origin of the Polynesian bird fauna.

Bernhauer, M.

Coleoptera, Staphylinidae.

Trans. Linn. Soc. Zool. 18: 165-186, 1922.

Systematic, describes Trogophloeus chagosanus from Diego Garcia.

Betche, E.

Vegetationskizze der Marshalls-Inseln.

Gart. Zeit. Wittmack 3: 133-134, 1884.

Brief description of vegetation; notes on various plants; economic plants, strand plants, herbs. Altogether 56 species collected in various atolls.

Betts, F. N.

The birds of the Laccadive Islands.
Jour. Bombay Nat. Hist. Soc. 40: 382-387, 1938.

Includes general notes on aspect of islands (visited in 1938) vegetation and plants, animal life. Enumeration of 44 species of birds.

Birds of the Seychelles. II. The sea-birds -- more particularly those of Aride Island.
Ibis XIV, 4: 489-504, 1940.

Includes a few records from southwest Indian Ocean atolls.

Bezzi, M.

Diptera, Bombyliidae and Myiodaria (Coenotinae, Muscinae, Calliphorinae, Sarcophaginae, Dexiinae, Tachininae), from the Seychelles and neighboring islands.

Parasitology 15: 72-102, 1923.

Systematic account of collections of Percy Sladen Expeditions including various species from low islands of western Indian Ocean.

Bianchi, F. A.

Thysanoptera and Aphididae new to the Island of Midway.

Proc. Hawaiian Ent. Soc. 11: 37, 1941.

Six species recorded.

New thrips records from the Marianas.

Proc. Hawaiian Ent. Soc. 13: 347-350, 1949.

Includes mention of specimens of *Frankliniella sulphurea*, from Johnston Island.

Bingham, H.

A Gilbertese-English dictionary.

1-179, Boston, 1908.

Contains many words for plants and animals, their uses and parts. LC: PL6245. Z5 B46.

[Birch, E. W.]

The Keeling Islands.

Proc. R. Geogr. Soc. London n. s. 8: 263-265, 1886.

Excerpts from a colonial report after the visit of H. M. S. *Espoir*. General notes on aspect of islands, coconut plantations, population, etc. Concerns Cocos Islands (southern group) rather

than Keeling proper. Mentions abundance of pumice on shores.

Bissell, H. S.

Cruising with the wanderlustlers.

1-230, Los Angeles, 1931.

Popular description of a voyage to the South Seas, including visits to some of the Tuamotus and Christmas Island. LC: DU510, B5.

Bitter, G.

Ergebnisse einer Reise nach dem Pacific (Prof. Dr. Schaumland 1896-97). Die phanerogamische Pflanzenwelt der Insel Laysan.

Abh. Naturw. Ver. Bremen 16: 430-439, 1900.

Enumeration of species, citing Schaumland's notes (see Schaumland, 1899), with notes on distribution. Two new species described: *Solanum laysanense* and *Phyllostegia variabilis*.

Black, R. H.

A survey of malaria in the British Solomon Islands Protectorate.

S. Pac. Comm. Techn. Pap. 33: 1-27+6, 1952.

Includes some description of Ontong Java and Sikaiana Atolls, with notes on cultivated plants, domestic animals, mosquitoes, population figures, etc. Maps.

Blackman, T. M.

Rarest seal.

Nat. Hist. 47: 138-139, 1941 a.

Brief historical note on *Monachus schauinslandi* mentioning its presence on Midway in 1939-40; photos.

Feathered airmen of Midway Islands.

Nat. Hist. 48: 173-180, 1941 b.

Abundantly illustrated notes on Midway birds; incidental mentions of plants.

Gliders of Midway.

Unpaginated; Honolulu, 1944 a.

Small booklet, with short descriptions and photos of Midway birds. LC: QL694. M5 B5.

Birds of the central Pacific Ocean.

1-70, Honolulu, 1944 b.

"A popular account of the sea-birds and shore-birds of the central area of the Pacific Ocean." Various atolls are cited as habitat; many drawings and photos of birds. LC: QL694. A1 B5.

Blair, K. G.

The Heteromera and some other families of Coleoptera from Polynesia collected on the 'St. George' Expedition, 1925.

Ann. Mag. Nat. Hist. IX, 20: 161-174, 1927.

Records several species from Fakarava, Tuamotus, and mentions incidentally others from Ellice and Gilbert Islands.

Cerambycidae from the Society Islands.

Bishop Mus. Bull. 113: 127-129, 1934 a.

Includes *Oopsis mutator*, from Napuka and Fakarava.

Further new species and other records of Marquesan Coleoptera.

Bishop Mus. Bull. 114: 289-297, 1934 b.

Includes records from Gilbert and Ellice Islands.

Cerambycidae from the Marquesas Islands.

Bishop Mus. Bull. 114: 273-277, 1934 c.

Includes records from Ellice Islands.

Coleoptera from the Caroline Islands.

Occ. Pap. Bishop Mus. 16: 131-157, 1940.

Mentions *Sessinia canella*, from the Gilbert Islands and *Micropolecotoides fulvosericans*, from the Ellice Islands.

Coleoptera Heteromera from Guam.

Bishop Mus. Bull. 172: 56-60, 1942.

Includes *Anthicus oceanicus* recorded from Cocos-Keeling.

Blake, S. F. and Atwood, A. C.

Geographical guide to floras of the world.

Pt. 1; 1-336, Washington, 1942 (USDA Misc. Publ. no. 401).

Annotated list of works, including those on islands of the Pacific and Indian Oceans. LC: Z5358. A12 B5.

Blakeney, W.

On the coasts of Cathay and Cipango forty years ago.

1-353, London, 1902.

Includes, pp. 64-72, account of Pratas reef with brief description of the islet. Map. AGS: 86.

Bloxam, A.

Diary of Andrew Bloxam, naturalist of the "Blonde" on her trip from England to the Hawaiian Islands 1824-25.

Bishop Mus. Spec. Publ. 10: 1-96, 1925.

Mentions Maiden Island, pp. 79-81, which was discovered by the "Blonde," with brief description of island, and notes on animals. LC: QH198. H3 B5.

Boddam-Whetham, J. W.

Pearls of the Pacific.

1-362, London, 1876.

Travel account; includes a word on Rose Island, p. 139, and Palmyra, p. 133. LC: DU610. B6.

Bodin, H.

Les pirogues cousues des Tuamotu.

Bull. Soc. Et. Oc6an.; 5(1): 1-8, 1931.

Description of canoes formerly built in the atolls, with notes on timbers used.

Böckeler, O.

Die Cyperaceen des Königlichen Herbariums zu Berlin.

Linnaea 36: 251-512, 1870; 37: 1-128, 1871.

These two parts of the enumeration include records from "Radack": Marshalls (Chamisso).

Boettger, O.

Ad. Strubell's Konchylien aus Java II und von den Molukken.

Ber. Senckenb. naturf. Ges. 1891; 241-318, 1891.

On p. 248, records *Neritina* (*Neritaea*) iris from Duizend Eilanden.

Bogert, C.

The distribution and the migration of the long-tailed cuckoo (*Urodynamis taitensis* Sparrman). Am. Mus. Novit. 933: 1-12, 1937.

Includes records of species on Micronesian, central Pacific and Tuamotuan atolls.

Bohart, R. M., and Ingram, R. L.

Mosquitoes of ~~Manawa~~ and islands in the central Pacific.

1-110, Washington, 1946 (NAVMED 1055).

Systematic account, including mosquitoes from the Marshall and Caroline Islands. Bibliography. LC: QL536. U5, 1946 b.

Bohart, G. E. and Gressitt, J. L.

Filth-inhabiting flies of Guam.

Bishop Mus. Bull. 204: 1-152, 1951.

Includes at least one atoll record, p. 24, *Musca*

sorbeas reared from rotten coconuts in the Marshalls. Contains information on ecology and control of flies which may apply to atoll conditions. Bibliography.

Boheman, C. H.

Coleoptera. Species novas descripsit

Eugenies Resa Vet. Lakt. 2: 1-112, 1858; 113-218, 1859.

Four species described, pp. 72, 88, 116, 211, from Keeling atoll.

Bois, D.

Les plantes alimentaires chez tous les peuples et à travers les âges.

Histoire, utilisation, culture. . . .

4 vols., Paris, 1927-1937, (ed. 4 of Paillieux, A. et Bois, D., 1884).

Encyclopedic treatment of food plants, including a very few notes of atoll occurrences, e. g. vol. 1:521, mention of use of Pandanus in Radack. Important only for general data on species which occur on atolls. DA:452. 8 B63.

Boisduval, J. A.

Faune entomologique de l'Océan Pacifique, in: Dumont d'Urville, Voyage . . . de l'Astrolabe

1-716, Paris, 1832-1835.

Includes descriptions of many Pacific Island insects. The second part, 1835, includes two Coleoptera from Radack (Marshall Islands), collected by Eschscholtz. Smi. LC: Q115. D92, vol. 11.

Boisse, E.

Les îles Samoa, Nukunono, Fakafo, Wallis et Hoorn.

Bull. Soc. Géogr. Paris 10: 428-439, 1875.

General notes, mostly about native life; brief description of Fakaofu.

Bojer, W.

Hortus Mauritians

1-456, Maurice, 1837.

Annotated catalog of the flora of Mauritius, with many records from others of the Mascarene Islands, including some of the western Indian Ocean atolls (Agalega, Coetivy, Diego Garcia). Many new names used here, most of them validly published in later papers, see following entries. DA: 460. 51 B63.

Includes description of plants first named in author's Hortus mauritianus, some of them from Agalega.

Bojer, W.

Descriptions de diverses plantes nouvelles de Madagascar, des îles Comores et de l'île Maurice.

Ann. Sci. Nat. Bot. II, 18: 184-192, 1842.

Includes Calpidia macrophylla from Agalega and Boerhavia insularis from Agalega and Diego Garcia. Footnote under title "Extrait du onzième rapport sur les travaux de la Société d'Histoire naturelle de l'île Maurice pour l'année 1841."

Bolívar, I.

Orthoptera; Acrydiidae, Phasgonuridae, Gryllidae. Trans. Linn. Soc. Zool. II, 15: 263-292, 1918.

Systematic account of collections of Percy Sladen Expedition including records of various species from the atolls of the southwest Indian Ocean.

Orthoptera Dictyoptera (Blattidae and Mantidae), and supplement to Gryllidae, of the Seychelles and adjacent islands.

Ann. Mag. Nat. Hist. IX, 13: 313-359, 1924.

Systematic account of collections of Percy Sladen expeditions, with various records from atolls of western Indian Ocean.

Bolton, W. W.

Liste des îles des Etablissements français d'Océanie.

Date de leur découverte et noms des navigateurs.

Bull. Soc. Et. Océan. 8 (7): 272-275, 1940.

List of islands of French Oceania, indicating who discovered each of them, and when; includes most of the atolls.

Bontemps,

Aux îles Gilbert.

Bull. Soc. Géogr. Lyon 9: 218-220, 1890.

Excerpt from a letter, cited in a lecture on scientific activities of missionaries by Groffier; includes some notes on uses of coconut; unimportant.

Born,

Einge Beobachtungen ethnographischer Natur über die Oleaf-Inseln.

Mitt. deutsch. Schutzgeb. 17: 175-191, 1904 a.

Includes some reference to material culture (fibers used for clothes, canoe building), and notes on foods.

[Plantes nouvelles de Madagascar et des Comores].
Ann. Rept. R. Soc. Sci. Mauritius 11: 37-48,
1841.

West-Karolinen-Gesundheitsverhältnisse.

Arb. Gesundheit. 21: 115-137, 1904 b.

Concerns mostly Yap, but has a few mentions of Caroline atolls.

Born,

Aus einem Reisebericht über die gesundheitlichen Verhältnisse auf dem Atoll Ebon (Marshallinseln).

Arch. Schiffs-Tropenhyg. 19: 153-154, 1915.

Notes on incidence of various diseases on Ebon, some notes on other Marshall atolls.

Born, Martens, and Fritz

Ein Taifun in den West-Karolinen (Die Verwüstung des Oleai-Inselgruppe).

D. Kolonialbl. 18: 565-577, 1907.

Three separate narratives by the three authors, describing the effects of the typhoon of March 29, 1907 on Sorol, Ifaluk, and mostly, Woleai (loss of lives, destruction of vegetation and food plants).

Borradaile, L. A.

On some crustacea from the South Pacific.

Part II. *Macrura anomala*.

Proc. Zool. Soc. London 1898: 457-468, 1898.

Includes various land crustacea from Funafuti: *Birgus latro*, *Coenobita*, etc.

On some crustaceans from the South Pacific.

Part IV. The Crabs.

Proc. Zool. Soc. London 1900: 568-596, 1900 a.

Includes some shore crabs from Funafuti.

On some crustaceans from the South Pacific.

Pt. V. Arthrostracans and barnacles.

Proc. Zool. Soc. London 1900: 795-799, 1900 b.

Includes *Armadillidium pacificum*, n. sp., from Funafuti, and *Hyale gracilis*, also from Funafuti.

On the young of the robber crab: in, Willey, Zoological results . . . collected during the years 1895 . . . 1897 . . . 5: 585-590, Cambridge, England, 1900 c.

No mention of atoll; description of first zoeae of *Birgus*, from specimens collected by Willey. Bibliography.

A note on the hatching stage of the pagurine land-crabs.

Proc. Zool. Soc. London 1899: 937-938, 1900 d.

Notes on hatching of *Birgus* zoeae (observed by

Willey at Lifu) and of *Coenobita perlatum* and *C. rugosus*, observed at Minikoi.

Borradaile, L. A.

Land crustaceans: in, Gardiner, The fauna and geography of the Maldive and Laccadive Archipelagoes, 1: 64-100, 1901.

Systematic, anatomical, and ecological.

Land and freshwater decapoda.

Trans. Linn. Soc. Zool. II, 12: 63-68, 1907.

Systematic account of collections of Percy Sladen Expedition with a number of species from atolls of western Indian Ocean.

On the land and amphibiom decapoda of Aldabra.

Trans. Linn. Soc. Zool. II, 13: 405-409, 1910.

Incidentally discusses faunas of several Indian Ocean atoll groups.

Bottger, L.

Geachichtliche Darstellung unserer Kenntnisse und Meinungen von den Korallenbauten.

Zeitschr. f. Naturwiss. 63: 241-304, 1896.

Historical summary of early theories and ideas on reef-building and atoll-formation; mostly marine geology and zoology, with incidental bits of information on land aspects; entirely compiled, land parts unimportant; extensive bibliography.

Bougainville, H. de

Journal de la navigation autour du globe . . . 2 vols., Paris, 1837.

In vol. 1, pp. 76-80, and in vol. 2, pp. 264-265, is some geographic information on the Maldives, mainly hydrographic; unimportant. LC: G420. B75.

Boulenger, G. A.

Catalogue of the lizards in the British Museum (Natural History).

1: 1-436, 1885; 2: 1-495, 1885; 3: 1-575, London, 1887.

Includes a few atoll records. LC: QL666. L2 B9.

Catalogue of the chelonians, rhynchocephalians and crocodiles in the British Museum (Natural History).

1-311, London, 1889.

Includes some turtles from atolls, e. g. *Chelone imbricata* from Raine Island, p. 164. LC: QL645.B8.

Boulenger, G. A.

On the reptiles of Rotuma Island, Polynesia.
Ann. Mag. Nat. Hist. VI, 20: 306-307, 1897.
Includes *Gehyra oceanica*, from Hervey
Islands (may mean Cook Islands, rather than the
atoll).

A list of the freshwater fishes, batrachians, and
reptiles obtained by Mr. J. Stanley Gardiner's
Expedition to the Indian Ocean.
Trans. Linn. Soc. Zool. II, 12: 291-300, 1909.
Systematic account, with one fish and several
reptiles from atolls of the western Indian Ocean.

List of the batrachians and reptiles obtained by
Prof. Stanley Gardiner on his second expedition
to the Seychelles and Aldabra.
Trans. Linn. Soc. Zool. II, 14: 375-378, 1911.
Includes several reptiles from Bird and Dennis,
Seychelles.

Bourgeau, J.

La France du Pacifique.
1-256, Paris, 1950.
Brief general treatment of French Oceania. Un-
important as far as the atolls are concerned. LC:
DU50. B6.

Boulière, F.

Éléments d'un guide bibliographique du naturalis-
te.
1-302, Mâcon, 1946; supplément 1-2: 303-368,
Paris, 1941.
Comprehensive general bibliography, with in-
teresting classification by regions, and by sub-
jects. LC: Z7401. B7; DA: 241. 7 B66.

Bourne, G. C.

General observations on the fauna of Diego Gar-
cia, Chagos group.
Proc. Zool. Soc. London 1886: 331-334, 1886 a.
Brief descriptive note on atoll and its fauna,
with a word on climate.

On the island of Diego Garcia of the Chagos group.
Proc. R. Geogr. Soc. London n. s. 8: 385-393,
1886 b.
General description, with notes on plants, veg-
etation, fauna, agriculture and population. Brief
mentions of soil, climate, water supply.

The atoll of Diego Garcia and the coral forma-

tions of the Indian Ocean.

Proc. R. Soc. London 43: 440-461, 1888.

Mainly marine geology and marine ecology,
but has good description of surface features, soils,
etc. of Diego Garcia and geographical notes on
various other Indian Ocean atolls. Map of Diego
Garcia.

Bowman, H. H. M.

Botanical ecology of the Dry Tortugas.
Carnegie Inst. Pub. 252: 111-138, 1918.

Detailed survey of the vegetation with some
attention to climatic and geological factors; many
fine photographs; maps of vegetation of individual
keys.

Boyden, A.

Collecting serological samples.
Atoll Res. Bull. 17: 96-99, 1953.

Special instructions for collecting blood samples
for serological study, with special techniques for
different groups of animals.

Braak, C.

Klimakunde von Hinterindien und Insulinde; in,
Köppen and Geiger, Handbuch der Klimatologie
4 (T): 1-125, 1931.

Gives, pp. 87-88, a brief summary of the
climate of Cocos-Keeling. NYPL: PRB.

Brackenridge, W. D.

Filices . . . : in, U. S. Exploring Exped. XVI:
Botany Cryptogamia 1-357, Philadelphia, 1854.
Enumeration of species collected by the expedi-
tion; includes, p. 53, *Drynaria vulgaris* (= *Poly-
podium scolopendria*), and pp. 175-176, *Neotto-
pteris* (= *Asplenium*) *nidus*, recorded from the *Tua-
motus*. LC: Q115. W6.

Bradtke, W.

The flora of a small tropical island . . .
Queenland Nat. 2: 133-135, 1921.

List of 22 species from a sand bank ("Unurum")
near Kakabon Island (in or near Duke of York group).
In 1917, there was also one coconut tree.

Brandeis,

Jahresbericht betr. das Schutzgebiet der Marshall-
inseln.
D. Kolonialbl. 3: 332-336, 1892; 4: 383-386,
1893.

Annual report on the Marshall Islands; includes
figures on population, copra production, coconut
plantings, other economic plants, presence of
guano on some atolls, etc.

[Brandeis,]

[Bird migration].

Ornith. Monatsb. 7: 41, 1899.

Ed. by Reichenow; brief note mentioning observation of a flight of ducks over various Marshall Islands.

Branner, J. C.

The stone reefs of Brazil, their geological and geographical relations, with a chapter on the coral reefs.

Bull. Mus. Comp. Zool. Harvard 54: 1-285, 1904.

Includes a brief discussion of Rocas Reef, quoting various descriptions, pp. 226-227.

Braunert,

Reisebericht über einen Besuch verschiedener Atolle der Marshallinseln.

Arch. Schiffs-Tropenhyg. 17: 11-15, 1913.

Notes on incidence of diseases and some parasites in various Marshall Islands.

Breuning, S.

Novae species Cerambycidae VI.

Festschr. E. Strand 4: 180-393, 1938; VII: 5: 144-290, 1939.

Lists of new genera and species. Include at least one atoll species in the second paper: *Oopsis albolineata*, p. 283, from Ellice Islands.

Bridge, C.

Cruises in Melanesia, Micronesia and western Polynesia in 1882, 1883 and 1884, and visits to New Guinea and the Louisiades in 1884 and 1885. Proc. R. Geogr. Soc. London n. s. 8: 545-567, 1886.

Interesting notes, mostly about Islanders. A few words on food plants on the atolls of Marshall, Gilbert and Ellice groups, pp. 552-557. Mentions, p. 558, that tapa is made on Nukuoro and Kapingamarangi.

Brigham, W. T.

An index to the islands of the Pacific Ocean.

Bishop Mus. Mem. 1: 1-170, 1900.

Alphabetical list of island names in the Pacific, with brief description of each island. Most useful for synonymy of earlier names of islands and atoll islets. LC: DU10. B85.

British Solomon Islands Protectorate.

Blue book for the year from 1st April 1937, to 31st March, 1938,....

1-149, Suva, 1939.

This and earlier blue books include population

figures for Ontong Java and Sikaiana. LC: J981. 86 R2.

Britton, E. G.

Carabidae of the Society Islands and Rapa (Coleoptera).

Occ. Pap. Bishop Mus. 14: 103-110, 1938.

Records *Endynomene pradierei*, from Cocos Islands (?) and Ellice Islands.

Brock, V. E.

Laysan Island bird census.

Elepaio 12 (3): 16-18, 1951 a.

Results of G. Vanderbilt Pacific Equatorial Expedition, 1951, comparing bird counts made in one day with those of Dill, in 1911.

Some observations on the Laysan duck, *Anas wyvilliana laysanensis*.

Auk 68: 371-372, 1951 b.

Notes on number of birds observed in 1950 on Laysan.

Broderip, W. J.

Characters of new species of Mollusca and Conchifera collected by Mr. Cuming.

Proc. Zool. Soc. London 2: 59-61, 1838.

Includes description of *Cyclostoma flavum*, from Anaa; some of the species in this and other similar papers are described by Sowerby, each being signed by Sowerby or Broderip.

Brooks, C. E. P. and Braby, H. W.

The clash of the trades in the Pacific.

Quart. Jour. R. Met. Soc. 47: 1-13, 1921.

Gives some information on climate and weather of Fanning, Malden and Christmas.

Brose, M.

Die deutsche Kolonialliteratur von 1884-1895, and, Die deutsche Kolonialliteratur im Jahre 1896, 1897, 1899.

Series of reprints bound together in Library of Congress. The first, published by D. Kolonialgesellschaft 1-158, Berlin, 1897; the next two published by the same society in Kolonial Jahrb. 10: 280-306, 1897, 11: 1-28, 1898. The last one published as a separate (Sonderheft) of Beiträge Kol. Politik u. Kol. Wirtsch. (Kol. Monatsblätter) 1-38, 1900. All include bibliography on Marshall Islands. LC: Z7164. C7 D4.

Literatur Verzeichnis über die Karolinen-, Palau- und Marianen-Inseln.

D. Kol. Zeit. 16: 234-235, 241-242, 259-260, 1899.

Useful list of works, including some on Caroline atolls.

Brouwer, H. A.

The geology of the Netherlands East Indies. 1-160, N. Y., 1925.

Includes notes on origin of coral reefs and islands. Photo of Glasser atoll, facing p. 68. LC: QE301. D8 B7.

Brown, E. D. W. and Brown, F. B. H.

Pteridophyta of southeast Polynesia.

Bishop Mus. Spec. Pub. 19: 15-16, 1931.

Abstract with brief remarks on the flora of the Tuamotus.

Brown, F. B. H.

Botany--the Marquesas.

Occ. Pap. Bishop Mus. 8: 268, 1922.

Excerpts from a letter reporting on the work of the Bayard Dominick expedition; includes a paragraph on visit to the Tuamotus.

New Polynesian plants (4).

Occ. Pap. Bishop Mus. 9: 1-23, 1930.

Records *Pandanus pulposus* from Marshall Islands, its var. *ceoperi* from Palmyra, *P. bergmanii*, n. sp., from Washington, and new varieties of *Lepturus repens* from Malden and Palmyra.

Flora of southeastern Polynesia.

I. Monocotyledons; Bishop Mus. Bull. 84: 1-194, 1931; II. Pteridophytes; Bishop Mus. Bull. 89: 1-123, 1931 (Elizabeth D. W. Brown, co-author); III. Dicotyledons; Bishop Mus. Bull. 130: 1-386, 1935.

Includes all species then known from the Tuamotus, with casual records from other Pacific atolls -- a descriptive flora. Bibliography.

Brown, G.

Notes of voyage to Ysabel Island, Solomons groups, and Le Ua Niua (Ontong Java or Lord Howe), and Tasman groups.

Australas. Assoc. Adv. Sci. 11: 528-538, 1908 a.

Includes descriptive notes on aspect of Ontong Java and Nukumanu atolls, with a paragraph on pits where natives keep turtles on the latter. Brief vocabulary for Ontong Java, comparing language to Samoan and Tongan.

Brown, G.

George Brown D. D. pioneer, missionary and explorer, an autobiography.

1-536, London, 1908 b.

Very little on atolls, except, pp. 525-531, account of a visit to Ontong Java with several photos, little information; brief note on Nuumanu. NYPL:AN. LC: BV3672. B7 A3.

Brown, J. R.

Ocean Island.

Hawaiian Spectator 1: 336, 1838.

Geographical notes, with information on fauna and vegetation, with chart of Ocean (Kure) Island, by captain of ship wrecked there.

Brown, W. L. Jr.

Revision of the ant tribe Dacetini. I. Fauna of Japan, China and Taiwan.

Mushi 20: 1-25, 1949.

Mentions, p. 17, that *Strumigenys (Strumigenys) godeffroyi* is found on coral atolls in the Pacific.

[Browns, A. C.]

[Insects from atolls].

Proc. Hawaiian Ent. Soc. 10: 369, 1940.

Lists six species from Canton, two from Enderbury, and several from Howland.

Brug, S. L. and Bonne-Wepster, J.

The geographical distribution of the mosquitoes of the Malay archipelago.

Chron. Nat. 103: 179-197, 1947.

The systematic list includes a few atoll records.

Bryan, E. H., Jr.

Ephyrid fly new to Hawaii.

Proc. Hawaiian Ent. Soc. 6: 279, 1926 a.

Canace nudata recorded from Wake and Lisiansky.

Insects of the Tanager Expedition.

Bishop Mus. Spec. Pub. 11: 31, 1926 b.

Brief abstract mentioning insect fauna in relation to ecological conditions on Wake, Laysan, and Johnston islands.

New oribatoid mites from Hawaii.

Proc. Hawaiian Ent. Soc. 7: 351, 1931.

Mentions three species collected by the Tanager Expedition on Wake; see Jacot 1928 and 1929 for descriptions.

Bryan, E. H. Jr.

A review of the Hawaiian Diptera with descriptions of new species.

Proc. Hawaiian Ent. Soc. 8: 399-468, 1934.

Includes various records from Wake and the Hawaiian atolls. Bibliography.

Hawaiian nature notes, ed. 2.

1-285, Honolulu, 1935 (ed. 1, 1933).

A collection of popular scientific articles (first published in Honolulu Advertiser) dealing with many aspects of the Hawaiian Islands, including, pp. 249-253, a chapter on the Hawaiian Islands bird reservation which includes the atolls of Kure, Laysan, Pearl and Hermes, and Lisiansky. Bibliography. LC: QH198.H3 B67.

Milichiella lacteipennis.

Proc. Hawaiian Ent. Soc. 9: 145, 1936 a.

Insect found in a plane arriving from Wake and Midway; previously reported from Midway.

Canaceoides nudata.

Proc. Hawaiian Ent. Soc. 9: 112, 1936 b.

Mentions transfer of this species to a new genus. See Bryan, 1926 a.

Palmyra, part of Hawaii.

Parad. Pac. 49 (5): 13, 1937 a.

Brief description. Map.

Johnston Island -- An island of Hawaii.

Parad. Pac. 49 (6): 16, 30, 1937 b.

Popular description, natural history; map.

Kure Island. Outpost of Hawaii.

Parad. Pac. 49 (8): 12, 30, 1937 c.

Brief description, natural history; map.

Pearl and Hermes Reef.

Parad. Pac. 49 (10): 19, 30, 1937 d.

Brief description, natural history; photo, map.

Lisiansky, an island of Hawaii.

Parad. Pac. 50 (2): 31, 33-34, 1938 a.

Brief description, natural history, map.

Bryan, E. H. Jr.

Laysan, an island of Hawaii.

Parad. Pac. 50 (5): 21, 28-30, 1938 b.

Brief description, natural history; photo, map.

Midway Island, U. S. A.

Parad. Pac. 50 (6): 7, 29-30, 1938 c.

Brief description, natural history, notes on introduction of soil and plants; map.

Natural history of the Phoenix Islands.

Bishop Mus. Spec. Pub. 34: 6-7, 1939 a.

An abstract with very brief notes on the vegetation, animals and general geography.

We see only the peaks of Hawaii.

Parad. Pac. 51 (12): 13-16, 1939 b.

Popular, includes notes on the geology, fauna, and flora of the Leeward Hawaiian atolls.

-----, ed.

Bennett's description of Caroline Island.

Parad. Pac. 51 (11): 19-21, 1939 c.

An abstract; see Bennett, 1840.

Rose Atoll, U. S. A.

Parad. Pac. 51 (4): 9, 25-26, 1939 d.

Brief description with notes on natural history; sketch map.

Swains Island, U. S. A.

Parad. Pac. 51 (7): 5-8, 1939 e.

Includes brief description, notes on natural history; sketch map; photos.

What were the guano islands?

Parad. Pac. 51 (9): 5-7; (10): 18-20, 1939 f.

Historical notes on central Pacific guano islands including notes on synonymy of names. Some photos.

How Hawaiian birds have been collected and studied.

Elepaio 1 (5): 2-3; 1 (6): 1-2, 1940 a.

Historical notes, including some information on expeditions visiting Hawaiian atolls.

The meager vegetation of Canton Island.

Parad. Pac. 52 (3): 26-27, 1940 b.
Description of island and its vegetation.

Bryan, E. H., Jr.

A summary of the Hawaiian birds.
Proc. 6th Pac. Sci. Congr. 4: 185-189, 1940 c.
Contains brief mentions of birds of Hawaiian atolls.

Check list of birds reported from the Hawaiian group
Elepaio 1 (12): 5-6, 1941 a; 2: 4-6, 12-14, 19-21, 28-30, 37-30, 44-45, 53-54, 1941; 2: 59-61, 65-66, 70-71, 75-76, 79, 1942.

Lists many birds from Hawaiian atolls, and mentions other atolls occasionally in ranges.

American Polynesia; coral islands of the central Pacific.

1-208, Honolulu, 1941 b.

First published in Honolulu Advertiser, Sept. 1939 to July 1940; see Bryan, 1942. LC: DU510. B74.

American Polynesia and the Hawaiian chain.
1-259, Honolulu, 1942.

Revised and enlarged edition of Bryan 1941 b. Popular treatment of the geography and natural history of many Hawaiian and central Pacific atolls, containing a large amount of information, much of it from the author's own observations; photographs, maps, and an extensive bibliography containing some obscure or ephemeral items not listed here. LC: DU510. B73.

Geography of the Pacific.
1-100, Honolulu, 1944 a.

Popular elementary treatment of the geography of the Pacific Islands, with considerable information on the surface features, climate and vegetation, and a little on the animal life, of atolls. DA: 331 B94.

Revegetation of certain Marshall Islands.
1-6, 1-3, 1-6, 1-22, 1-2, 1-3, [Honolulu?], 1944 b (mimeographed edition dated 1952).

A memorandum to Central Pacific Base Command, making suggestions concerning revegetation, especially of war damaged areas on Kwajalein and Eniwetok; accompanied by sections

on plant associations, and a checklist of plants seen by the author in the Marshalls in 1944; geographical descriptions of islets of Kwajalein, Eniwetok, and Majuro; recommendations of plants to be introduced; notes on use of insecticides.

Bryan, E. H., Jr.

Plant life on central Pacific atolls.
Proc. Haw. Acad. Sci. [16]: 8, 1945 a.

Abstract, classifying atolls of central Polynesia climatically, with notes on vegetation.

Captain Bryan's Pacific war atlas.

27 plates and unpaginated gazetteer, Honolulu, 1945 b.

Contains individual maps of many Pacific atolls, and many place names. LC: Map Div.

Flies on Wake Island.

Proc. Hawaiian Ent. Soc. 13: 221, 1948 a.

Mentions two species abundant on the island.

Bibliography of Micronesian entomology.

1-43, [Honolulu], 1948 b (mimeographed).

Comprehensive bibliography, including references to many papers referring to atoll insects; annotated, cross-indexed. LC: Z5859. M5 B3.

Economic insects of Micronesia.

1-29, Washington, 1949 (processed by National Research Council).

Report of work of the Insect Control Committee for Micronesia, with discussion of each of major economic insects, including hosts, description, distribution, economic importance; host index for economic insects; report on biological control work, bibliography. Includes such non-insect pests as the giant African snail.

Central and western Polynesia; in, Freeman, O. W., Geography of the Pacific, 394-422, 1951 a.

Contains a general geographic account of the atolls of central and western Polynesia, with some emphasis on climate and water supply, and on density of population; maps, bibliography.

Coral atoll bibliography.

Atoll Res. Bull. 2: 14, 1951 b.

Outlines discussion of scope and progress of work

on atoll bibliography.

Bryan, E. H., Jr.

Geography of the Gilbert Islands: in, Fosberg and Sachet, Handbook for atoll research 2-7, 1951 c.

General notes on the group, with map. Map of Onotoa.

Introduction to the geography of atolls.
Atoll Res. Bull. 17: 1-9, 1953 a.

Brief summary of main geographical features and distribution of atolls, theories of origin, and types of investigation needed; bibliography.

Report of the Director for 1952.

Bishop Mus. Bull. 210: 1-40, 1953 b.

Reports accessions of various plant and animal materials from atolls, principally Micronesian.

Check list of atolls.

Atoll Res. Bull. 19: 1-38, 1953 c.

List of about 400 islands believed by author to come under the definition of atolls adopted by the Coral Atoll Symposium, 1951, arranged by groups with alphabetical index; for each atoll, synonyms, names of islets, position and various remarks are included.

Bryan, E. H., Jr. et al.

Insects of Hawaii, Johnston Island, and Wake Island.

Bishop Mus. Bull. 31: 1-94, 1926.

Introduction by Bryan with geographical description and ecological field notes, and separate treatments of groups of insects by specialists (not listed separately here).

Bryan, E. H., Jr. and Greenway, J. C., Jr.

Contribution to the ornithology of the Hawaiian Islands.

Bull. Mus. Comp. Zool. Harvard 94: 79-142, 1944.

Includes birds from the Leeward atolls. Ranges of these and other species occasionally extend to other atolls specifically mentioned.

Bryan, G. S.

Los Jardines, E. D.

U. S. Naval Inst. Proc. 66 (446): 520-523, 1940.

Discussion of Los Jardines, "Existence Doubtful", long indicated on maps. May have been

confused with Marcus. A 1939 survey showed a submarine mountain at 151° 45' E, 21° 35' N, 1120 fathoms below the surface, which might have been emerged as Los Jardines.

Bryan, W. A.

Key to the birds of the Hawaiian group.

Bishop Mus. Mem. 1: 259-332, 1961.

Includes, lists and illustrates skins of the birds of Laysan, Midway and Lisiansky. LC: GN670. B5.

A monograph of Marcus Island.

Occ. Pap. Bishop Mus. 2: 77-139, 1903.

Includes historical information on discovery and rivalries in claiming Marcus. Description of physiography, structure, geology, soils, climate, unusually strong storms experienced. Some description of vegetation, and list of plants. Lists of birds, reptiles, crustaceans, and mentions of insects. Map.

Report on a visit to Midway Island.

Occ. Pap. Bishop Mus. 2: 291-299, 1905.

A few hours visit in 1902; includes description of island with mentions of vegetation, list of plants collected and annotated list of birds.

Bird slaughter in the Pacific Islands.

Bird Lore 12: 90-93, 1910.

Account of arrest of Japanese poachers for slaughtering birds on Leeward Hawaiian Islands.

Laysan Island, a visit to Hawaii's bird reservation.

Mid-Pac. Mag. 2: 303-315, 1911.

Good description of island, especially vegetation and birds, several excellent photographs.

The introduction and acclimatization of the yellow canary on Midway Island.

Auk 29: 339-342, 1912.

Notes on introduction on Midway of yellow canary (*Fringilla canaria*), Laysan Finch (*Telespiza cantans*) and 'Wingless bird' (*Prozanula palmeri*).

Natural history of Hawaii.

1-596, Honolulu, 1915.

Popular natural history, with geographic notes on atolls of Leeward chain in chapter VIII and account of birds in chapter XXIII. Photos, bibliography. LC: QH198. H3 B7.

Buck, P. H.

Ethnology of Tongareva.

Bishop Mus. Bull. 92: 1-225, 1932 a.

Scanty notes on geography, extensive material on material culture, with much information on the coconut, pp. 108-118, and some on pandanus, p. 118. Bibliography.

Ethnology of Manihiki and Rakahanga.

Bishop Mus. Bull. 99: 1-238, 1932 b.

Contains geographic notes, with maps of these atolls, and extensive account of material culture, with much material on economic plants. Bibliography.

Arts and crafts of the Cook Islands.

Bishop Mus. Bull. 179: 1-533, 1944.

Concerns the high islands but includes a few lines describing Takutea and Hervey Islands, p. 5.

An introduction to Polynesian anthropology.

Bishop Mus. Bull. 187: 1-133, 1945.

Mainly a historical account, with various casual references to Polynesian atolls; contains an important chronological list of early voyages and the island groups visited by them, and valuable bibliographies for each Polynesian island group or culture.

The material culture of Kapingamarangi.

CIMA Rept. 4: 1-498, [1948] (published as Buck, 1950).

Comprehensive account of material culture of a relatively undisturbed Polynesian atoll people (in Micronesia).

Material culture of Kapingamarangi.

Bishop Mus. Bull. 200: 1-291, 1950.

Detailed discussion of foods and their sources, and of material artifacts and the materials of which they are made. Many photographs.

A Polynesian atoll in Micronesia.

Proc. 7th Pac. Sci. Congr. 1: 107, 1951 a.

Abstract of lecture on Kapingamarangi with a little information on native foods.

Buck, P.

Kapingamarangi, a living legend.

Parad. Pac. 63 (5): 22-24, 36, 1951 b.

Anthropological summary with some notes on material culture and excellent photographs.

Bishop Museum and entomological research.

Bishop Mus. Bull. 205: 26-35, 1951 c.

Information, some of which concerns atolls, on activities of the Museum in entomology; mentioning publications, expeditions sponsored, collections, etc.

Explorers of the Pacific.

Bishop Mus. Spec. Pub. 43: 1-125, 1953.

Historical account of the discovery of the Pacific Islands. It is not clear on what basis voyages were included or not. Bibliography.

Budde-Lund, G.

Terrestrial Isopoda, particularly considered in relation to the distribution of the southern Indo-Pacific species.

Trans. Linn. Soc. Zool. II, 15: 367-394, 1912.

Systematic account of the collections of the Percy Sladen expeditions, recording species from most of the low islands of the southwest Indian Ocean.

Buddle, G. A.

Notes on the birds of Canton Island.

Rec. Auckl. Mus. 2: 125-132, 1938.

Enumeration of species, comparing notes on their occurrence with observations of Lister, 1891; brief descriptive paragraph on island, sketch map indicating bird-nesting areas and vegetation, photos of birds.

Buitendijk, A. M.

Biological results of the Snellius Expedition.

IV. The Paguridea of the Snellius Expedition.

Temminckia 2: 251-280, 1937.

Includes at least one atoll record; *Coenobita rugosa* var. *granulata* from Suvadiva, p. 278. Bibliography.

Bunker, N. C.

Report on field survey of the poisonous fishes of Johnston Island.

1-13, Loma Linda, Calif., [undated, prob. 1952] (mimeographed report to Office of Naval Research).

Mainly on marine fishes but contains some geographical information on the island, and brief notes

on its natural history, birds, etc.

Burnett, F.

Through tropic seas.
1-173, London, 1910.

Vivid account of travels through the central Pacific and life on various islands; notes on Fanning, Washington, Tongareva, Manihiki, Rakahanga, Baker, and the Gilberts, especially Nounou. Some information on plants, especially economic ones, animals, geography, etc.
LC: DUS2. B82.

Burney, J.

A chronological history of the discoveries in the South Sea or Pacific Ocean.
5 vols., London, 1803-1817.

Quotes from and discusses many early voyages and attempts to identify the islands discovered.
LC: DUI9. B96.

Burr, M.

Orthoptera: in, Gardiner, The fauna and geography of the Maldive and Laccadive Archipelagoes 1: 234-236, 1902.
Systematic.

Dermaptera.

Trans. Linn. Soc. Zool. II, 14: 123-133, 1910.

Systematic treatment of collections of Percy Sladen expedition, reporting several species from atolls of western Indian Ocean.

Ueber einige neue und interessante Dermapteren aus dem Koenigl. Zoolog. Museum Berlin.
Sitzungsber. Ges. Naturforsch. Freunde Berlin 1912: 311-330, 1912.

Includes *Prolabia lusonica*, from "Taluit", Steinbach coll. Most probably Jaluit.

Burrows, E. G.

The people of Ifalik, a little disturbed atoll culture.

CIMA Rept. 16: 1-222, 1940 (unpublished).

Detailed ethnological account, with an excellent geographical chapter treating all aspects of the physical environment, listing plants and animals with native names; chapter on technology with uses of various natural materials; photographs, maps.

Burrows, E. G. and Spiro, M. E.

An atoll culture, Ethnography of Ifalik in the

central Carolines.

1-355, New Haven, 1963 (offset by Human Relations Area Files).

Includes information on geography, climate, flora, fauna, native agriculture, uses of food and other plants, population figures, etc. Photos, maps, bibliography.

Burt, C. E. and Burt, M. D.

Herpetological results of the Whitney South Sea expedition. VI. Pacific Island amphibians and reptiles in the collections of the American Museum of Natural History.

Bull. Am. Mus. Nat. Hist. 63: 461-897, 1932.

Includes many records from various Pacific atolls.

Burt, C. E. and Myers, G. S.

Neotropical lizards in the collection of the Natural History Museum of Stanford University.
Stanford Univ. Pub. Biol. 8 (2): 1-53, 1943.

Includes, p. 49, mention of *Emola cyanura*, from Clipperton. Separate, LC: QL606. L2 B95.

Buss,

Eine Reise nach den südlich von Palau gelegenen Inseln.

D. Kolonialbl. 21: 937-938, 1910.

Inspection trip to Sonserol and Tobi, with a paragraph on food plants, a brief description of vegetation with a word on domestic animals; about Merir and Palo-Ana: "in the middle of thick bushes, tall dead coconut trees, a few young coconut trees, papayas, bananas, and no inhabitants." No attempt to explain death of trees.

Butler, A. G.

On a small collection of Lepidoptera obtained by the Rev. J. S. Whitmee at the Ellice Islands.

Proc. Zool. Soc. London 1878: 296-298, 1878.

Enumeration of seven species.

Lepidoptera: in, Report ... of the "Alert"
577, 1884.

Describes a new species from Providence Island, *Deloepsia lactea*.

Lepidoptera collected by Mr. C. M. Woodford in the Ellice and Gilbert Islands.

Ann. Mag. Nat. Hist. V, 15: 238-242, 414-416, 1885.

Systematic, including descriptions of new species. The second part is by Woodford, giving some ecol-

ogical data on the species collected.

Butler, A. G. and Strecker, H.

Memorandum of the butterflies, etc. of Caroline Island: in, Holden, E. S., Report of the ... American Expedition. ...
Mem. Nat. Acad. Sci. 2: 92-96, 1884.

Systematic, with descriptions of one new genus and several new species.

Buwaida, P.

The Umbelliferae of the Netherlands Indies.
Blumea 2: 119-220, 1936.

Credits *Hydrocotyle vulgaris* to the Marshalls,
p. 133.

Buxton, E. B.

Periods of abnormal westerly weather in the equatorial Pacific since 1900.

Bull. Am. Met. Soc. 33: 128, 1952.

Brief abstract. Monsoonal westerlies reported to have reached as far east as Canton Island at times.

Buxton, P. A.

Insects of Samoa.

Parts 1-9, London, 1927-1935, published by British Museum (Natural History).

Taxonomic account, the various groups by separate authors, with a general statement and description of Samoan Islands by Buxton, in part 9. The various treatments contain scattered references to insects of neighboring island groups including atolls, such as Ellice, Tokelau, etc. Part 3, p. 2 has statement that Rose Atoll has no butterfly fauna, and lists plants known from it. Bibliography. LC: QL489- S3 B7.

Researches in Polynesia and Melanesia.... Parts V-VII (relating to human diseases and welfare). 1-139, London, 1928.

Published as no. 2 of Memoirs of the London School of Hygiene and Tropical Medicine; includes information on human diseases (especially filariasis and yaws) in the Gilbert, Ellice and Tokelau Islands. Some notes on geographical distribution of *Filaria* and *Aedes variegatus*. Bibliography; one of the photos shows vegetation on Swains Island, another, a village in Nukufetau. See Buxton and Hopkins, 1927, for parts I-IV.

Buxton, P. A. and Hopkins, G. H. E.

Researches in Polynesia and Melanesia. An ac-

count of investigations in Samoa, Tonga, the Ellice group and the New Hebrides in 1924-1925. Parts I-IV (relating principally to medical entomology).

1-260, London, 1927.

Published as no. 1 of Memoirs of the London School of Hygiene and Tropical Medicine; a treatise on the medical entomology of the area with some description of the islands, a list of insects and other arthropods of medical importance and their occurrence, including many Pacific atolls; ecological notes especially on mosquitoes. Photographs, bibliography, map. AML.

[Byron, J.]

An account of a voyage around the world, in the years 1764, 1765, 1766 ... in His Majesty's ship the Dolphin: in, Hawkesworth 1: 1-139, 1773.

Byron discovered several of the Tuamotus, Islands of Danger (Puka-Puka) and Byron Island (Nukunau). Very brief descriptions of these atolls.

Cabot, L.

The immature state of the Odonata. Part II. Subfamily Aeschnina. Part III. Subfamily Cordulina. Mem. Mus. Comp. Zool. Harvard 8(1): 1-39, 1881; 17(1): 1-52, 1890.

The first paper includes *Anax guttatus*, from Ebon, p. 16; the second paper includes *Tramea* sp. from Ebon, p. 49.

Caillot, A. C. E.

Les Polynésiens orientaux au contact de la civilisation.

1-291, Paris, 1909.

Includes a chapter on the Tuamotus, pp. 26-52, with information on environment; brief descriptive note for main atolls, mentions of climate, water supply, foods, etc. Plates include a number of poorly reproduced photos of the Tuamotus. LC: DU510. C3.

Histoire de la Polynésie orientale.

1-606, Paris, 1910.

Includes, pp. 18-19, brief, general notes on the Tuamotus. LC: DU50. C3.

Calvert, P. P.

Odonata (dragonflies) from the Indian Ocean, and from Kashmir, collected by Dr. W. L. Abbott. Proc. Acad. Nat. Sci. Phila. 1898: 141-154, 1898.

Includes two species from Glorioso Island.

- Cambridge, O. P.
Notes on some Arachnida collected by Cuthbert Collingwood Esq. ...
Proc. Zool. Soc. London 1871: 617-622, 1871.
Includes two species from Pratas.
- Cameron, J. [Farrell, A. ed.]
John Cameron's Odyssey.
1-461, N. Y., 1923.
Account of Cameron's wanderings in the Pacific, visiting many atolls, with casual and interesting notes on many of them, including descriptions of hordes of mice on Lisiansky, habits of Laysan rail on Laysan, and megaliths on Caspar Rico (Pokak). LC: G530. C25.
- Cameron, M.
New species of Staphylinidae (Col.) from the Gilbert Islands and Fiji.
Ann. Mag. Nat. Hist. XI, 10: 564-566, 1943.
Includes *Trogophloeus (Taenosoma) bernensis*, sp. nov., from Beru (Gilberts).
- Cameron, P.
Hymenoptera: in, Gardiner, The fauna and geography of the Maldive and Laccadive Archipelagoes 1: 51-63, 1901.
Systematic.
- Hymenoptera.
Trans. Linn. Soc. Zool. II, 12: 69-86, 1907.
Systematic account of collections of the Percy Sladen Expedition with various species recorded from the atolls of the western Indian Ocean.
- Campbell, A. J.
Notes from Malden Island.
Vict. Nat. 6: 123-126, 1889.
Brief notes on guano and vegetation on Malden, enumeration of birds.
- Notes on the zoology of Houtman's Abrolhos.
Australas. Assoc. Adv. Sci. 2: 492-496, 1890.
Includes seals and birds observed on Pelsart group, with some descriptive notes on the island.
- Nests and eggs of Australian birds.
1: 1-524; 2: 525-1102, Sheffield, 1901.
Includes, in part 2, records from various coral islands, e.g. Raine, Bramble Cay, Malden, Pelsart, etc., quoting the observations of MacGillivray, J. Gilbert, etc., on them. LC: QL 675. 5 C18.
- Campbell, D. H.
Outline of plant geography.
1-392, London, 1926.
General description of vegetation of the world, with, p. 250, a minute statement on the poverty and probable origin of the flora of low coral islands.
LC: QK 101. C15.
- Campion, H.
Odonata.
Trans. Linn. Soc. Zool. II, 15: 435-446, 1913.
Systematic account of collections of the Percy Sladen Expedition, recording one species from Bird and Dennis, and several from the Chagos group.
- Notes on dragonflies from the Old World islands of San Thome, Rodriguez, Cocos-Keeling, and Loo-Choo.
Ann. Mag. Nat. Hist. IX, 11: 22-27, 1923.
Mentions several species from Cocos-Keeling.
- Candolle, A. P. de
Prodromus systematis naturalis regni vegetabilis sive enumeratio contracta ordinum generum specierumque plantarum hucusque cognitarum, juxta methodi naturalis normas digesta.
Vols. 1-17: 1824-1873.
A series of monographs by different authors, listed separately.
- Goodenovieae.
DC Prodr. 7(2): 502-520, 1839.
Includes, p. 505, *Scaevola koenigii*, from Romanzoff Islands (Chamisso).
- Borraginae.
DC Prodr. 9: 466-539, 1845.
Includes *Tournefortia argentea*, p. 514, from Radak and Romanzoff Islands.
- Candolle, C. de
Piperaceae novae e Micronesia et Polynesia allatae.
Bot. Jahrb. 56: 502-506, 1921.
Includes records from Ebon, Ailinlaplap and a new species from "Polynesian: Christmas-Insel" but probably actually from the Indian Ocean island since it was collected by Ridley and Lister.
- Canefri: see Tapparone-Canefri, C.
- Capell, A.
Grammar and vocabulary of the language of Sonorol-Tobi.

- CIMA Rept. 30: 1-152, 1951 (mimeographed).
Vocabulary contains words for plants, animals, etc., but the scientific equivalents are not too reliable.
- Capstickdale, J. E.
The isles of death.
Am. For. Ser. Jour. 21: 180-182, 1944.
Description of Cargados Carajos, mentioning the many shipwrecks which have occurred there.
- Carpenter, G. H.
The Apterygota of the Seychelles.
Proc. R. Irish Acad. 33 B: 1-70, 1916.
Systematic account of Percy Sladen Expedition collections, describing *Isolepisma bisetosa* from Bird Island (Seychelles), Providence, Farquhar, Amirantes, and several higher islands, and recording *Acrotelsa collaris* from Bird Island.
- Carson, R. L.
The birth of an island.
Yale Rev. 40 (1): 112-126, 1950.
Excellent popular discussion of oceanic islands, their history, biota, and ecology; special reference to Laysan and its rail.
- The sea around us.
1-230, N. Y., 1951.
See Carson 1950, which is republished here as chapter 7. LC: GC21. C3.
- [Carteret, P.]
An account of a voyage around the world in the years 1766, 1767, 1768, 1769; in, Hawkesworth, 1: 523-676, 1773.
Ship: the Swallow; Carteret discovered, or sighted some of the Tuamotus, Matty, Durour, Mapia, Pulo Anna, Sonsorol; gives very little information on each.
- Cassin, J.
Mammalogy and ornithology: in, U. S. Exploring Exped. VIII: 1-466, Philadelphia, 1858.
Enumeration of mammals and birds collected by the Expedition, citing notes of Pickering and Peale, naturalists of the Expedition; includes, pp. 38-40, *Mus exulans* Peale, inhabiting nearly all the coral islands visited by the Expedition. (species said to be very similar to *Mus decumanus*). The part on ornithology includes records of many species from the Tuamotus, and various atolls of the Central Pacific. LC: Q115. W6.
- Catala, R. L. A.
Rapport sur les Iles Gilbert.
1-277, [Noumea], 1952 a (mimeographed).
Comprehensive report on soils, agriculture, economic botany, economic zoology, and economics of the Gilberts, summarizing results of the author's six months visit to the islands in 1951. Many charts and photographs.
- Report on the Gilbert Islands.
1-195, 1-[8], [Noumea], 1952 b (mimeographed).
Draft translation of above entry, illustrations not reproduced.
- Chamberlin, J. C.
A synoptic classification of the false scorpions or Chela-spinners, with a report on a cosmopolitan collection of the same. Pt. II. The Diplospiro-nida (Arachnida-Chelonethida).
Ann. Mag. Nat. Hist. X, 5: 1-48, 585-620, 1930.
Systematic, with keys; includes a few species, some new, from various atolls.
- Check list of the false scorpions of Oceania.
Occ. Pap. Bishop Mus. 10 (22): 1-14, 1934.
Several species of Pseudoscorpionidae recorded from Funafuti, Laysan, and Marshalls. Bibliography.
- Chamberlin, R. V.
The Myriopoda of the Australian region.
Bull. Mus. Comp. Zool. Harvard 64: 1-269, 1920.
Systematic, with tables of distribution; includes some atoll records.
- On some millipeds from Micronesia.
Ent. News 58: 41-47, 1947.
Enumeration of species collected by Townes in 1946. Includes new species from Woleai and Ailing-lapalap.
- Chamisso, A. von
Remarks and opinions ... of the naturalist of the expedition: in, Kotzebue, A voyage of discovery ... 3: 1-318, 436-442, 1821.
Includes valuable information on various atolls visited by the Rurick: Marshalls, pp. 140-180, Carolines (especially "Ulea" and "Mogemug," information apparently compiled), pp. 181-216, Penrhyn, pp. 217-219, Tuamotus, pp. 220-223.

The Johnstone I. mentioned in the chapter on Hawaii is really Gaspar Rico (Pokak). The information includes notes on plants, vegetation (especially for the Marshalls), fauna, water supply, material culture, etc.

Chamisso, A. von

Bemerkungen und Ansichten . . . von dem Naturforscher der Expedition; in, Kotzebue, 3: 1825.

See annotation for English 1821 edition.

 Notices respecting the botany of certain countries visited by the Russian voyage of discovery under the command of Capt. Kotzebue.

Bot. Misc. Hook. 1: 305-323, 1830.

"Translated from the German edition of the voyage." Includes, pp. 307-315, notes on vegetation and plants (mostly useful ones), from some of the Marshalls and Carolines.

 Reise um die Welt mit der Romanzoffischen Entdeckungs-Expedition in den Jahren 1815-18, auf der Brigg Rurik, Kapitain Otto v. Kotzebue. 1: 1-366, 2: 1-351, Leipzig, 1842, 2nd edition; in, Chamisso's "Werke," 1842 (first edition, 1836, not seen).

Chamisso complained of errors and misstatements in the relation of the trip and published his notes independently. The first part, entitled "Tagebuch" mentions two visits to Radack with descriptive notes on several atolls; valuable remarks on climate, soil, vegetation and plants, food and other economic plants, animals, etc. There are occasional mentions of Kotzebue's second voyage. The second part "Bemerkungen und Ansichten" is composed of the same chapters as in Kotzebue 3: 1825, but appears to have been rewritten or at least modified. LC: PT1834. A1, 1842.

 Kadus' Fahrten und die Kultur der Radacker. Geogr. Kulturkunde 292-304, 1904.

A footnote indicates that this is an excerpt from Chamisso's "Reise" CY: Nke 32. 904 f.

Chamisso, A von and Schlechtendal, D. von

De plantis in expeditione speculatoria Romanzoffiana observatis

Linnaea 1: 1-73, 165-226, 333-405, 511-570, 1826; 2: 1-37, 145-233, 345-379, 541-611, 1827; 3: 1-63, 115-141, 199-233, 309-377, 1828; 4: 1-42, 129-202, 435-508, 1829; 5: 43-59, 1830;

6: 76-170, 209-260, 501-592, 1831; 7: 105-128, 207-272, 542-560, 653-726, 1832; 8: 169-228, 1833; 9: 368-402, 428-460, 1834; 10: 32-50, 217-218, 582-603, 1835-36.

Systematic enumeration of collections made during Kotzebue's first expedition, including some from the Marshalls (Radack) and the Tuamotus (Romanzoff).

Champion, G. C.

Coleoptera, Curculionidae.

Trans. Linn. Soc. Zool. II, 16: 393-497, 1914.

Systematic account of collections of Percy Sladen Expedition, including various species from the low islands of the western Indian Ocean.

Chang, H. T.

The vegetation of the Paracel Islands.

Sunyatsenia 7: 75-88, 1948.

Description of three of the islands, visited in 1947. Notes on climate, topography and soil, vegetation; list of 35 species of plants. Incidental mention of abundance of turtles. Map of group.

Chapman, W. M.

Coconut-eaters.

Pac. Disc. 1: 3-6, 1948.

Popular article on Birgus. Little original information, but two photos of crabs, one of them from Bikini where they are said to have been numerous even after the bomb tests.

Chave, M.

The changing position of the mixed-bloods in the Marshall Islands.

CIMA Rept. 7: 1-88, [1948] (unpublished).

Mostly sociological but with a short discussion of physical setting and resources. Bibliography.

Cheel, E.

A systematic census of the Pacific Island grasses.

Australas. Ass. Adv. Sci. 17: 738, 1926.

Abstract describing the list which includes records from various Pacific atolls.

Cheesman, L. E.

A contribution towards the insect fauna of French Oceania. Part I.

Trans. Ent. Soc. London 75: 147-161, 1927 a.

Enumeration of species includes many from Napuka and Fakarava; pp. 148-149, brief note on ecological conditions on these atolls.

 A contribution to the insect fauna of French Oceania!

- in, author's, Islands near the sun 229-232, London, 1927 b.
- Records, p. 230, *Plautia marcida*, from the Tuamotus. LC: DU870. C45.
- Cheesman, L. E.**
A contribution towards the insect fauna of French Oceania. Part II.
Ann. Mag. Nat. Hist. X, 1: 169-194, 1928.
Includes species from the Tuamotus (Napuka, Fakarava) and records from Ellice Islands and Cocos-Keeling.
-
- The insect fauna of French Polynesia.
Mem. Soc. Biogéogr. 4: 191-200, 1934.
Contains a brief discussion of insect fauna of atolls, with remarks on vegetation and physical environment.
-
- Hymenoptera of the New Hebrides and Banks Islands.
Trans. Ent. Soc. London 85: 169-196, 1936.
Includes *Megachile diligens hedleyi*, p. 174, recorded from Ellice Islands.
- Cheesman, L. E. and Crawley, W. C.**
A contribution towards the insect fauna of French Oceania. Part III. Formicidae.
Ann. Mag. Nat. Hist. X, 2: 514-525, 1928.
Includes various species from Fakarava.
- Chevalier, A., ed.**
Numéro spécial consacré au souvenir de l'Amiral J. Dumont D'Urville
Rev. Int. Bot. Appl. Agr. Trop. 31 (339-340): 1-136, 1951.
This number includes historical information on Dumont D'Urville and his botanical contributions, and various other papers, some of them listed here separately.
- Chevreaux, E.**
Amphipodes recueillis dans les possessions françaises de l'Océanie par M. le Dr. Seurat
Mém. Soc. Zool. France 20: 470-527, 1907.
Includes *Orchestia platensis* from South Marutea (lagoon shore).
- Chevron, L.**
Guanos d'Australie.
Rev. Univ. Mines II, 7: 437-444, 1880.
Notes on guano samples from Malden, Lacedpede, Huon and Chesterfield Islands. A word of description for Huon and Chesterfield.
- Cheyne, A.**
Description of islands in the western Pacific Ocean, north and south of the Equator.
1-198, London, 1852.
Includes brief mentions of some Micronesian atolls, short account of Sikaiana with a detailed description of different sorts of beche-de-mer and ways of curing it. Mentions of Beautemps-Beaupré atoll, but with little information. NYPL:8H.
- Chiovenda, E.**
La culla del Cocco (Contributo all ricerca della patria originaria della Palma del Cocco).
Webbia 5: 199-294, 359-449, 1923.
Extended account of everything imaginable that might have a bearing on the origin of the coconut, concluding that it must have originated in the northwest region of the Indian Ocean. Various references to atolls, their inhabitants, and the occurrence there of coconuts.
- Choisy, J. D.**
Nyctaginaceae.
DC. Prodr. 13 (2): 425-458, 1849.
Transfers *Calpidia macrophylla* to *Pisonia*, p. 446; from *Agalega*; records *Boerhavia tetrandra* from Radak, p. 456.
- Chopard, L.**
On a small collection of Blattidae and Gryllidae from Tahiti.
Ann. Mag. Nat. Hist. X, 6: 381-382, 1930.
Includes mention of *Cutilla nitida* from Fakarava.
- Choris, L.**
Voyage pittoresque autour du monde, avec des portraits de sauvages... des îles du grand océan.
Paris, 1822.
Artist for Rurik expedition. Plates for "îles Radak" include two of *Pandanus odoratissimus*, one of breadfruit and one of coconut. Text includes notes on aspect of islands, and natives. Some other atolls (Penrhyn, Tuamotus) are briefly mentioned. LC: G420. K84 C5, folio shelf.
- Christensen, C.**
Index Filicum
1-744, Copenhagen, 1905-1906; supplement [1]:1-131+1, 1913; supplement [2]:1-60, 1917;

supplement [3]: 1-219, 1934.

Pp. 1-384 published in 1905, the rest in 1906, according to annotations in U. S. National Herbarium copy. Lists all ferns known to author, including those found on atolls. LC: QK523. C58.

Christensen, C.

On the ferns of the Seychelles and the Aldabra group.

Trans. Linn. Soc. Zool. II, 15: 409-422, 1912.

Several species recorded from Bird Island, Seychelles.

Christian, F. W.

On the distribution and origin of some plant and tree names in Polynesia and Micronesia.

Jour. Polyn. Soc. 6: 123-140, 1897.

Comparison of native names of useful plants in various Pacific Islands, many of them atolls, and some neighboring countries.

Nuku-oro vocabulary.

Jour. Polyn. Soc. 7: 224-232, 1898.

Includes names of plants, animals, foods, etc.

The Caroline Islands. Travel in the sea of the little lands.

1-412, London, 1899.

Valuable source of information, concerning mostly the high islands, but with some information on some of the atolls (description, notes on plants, animals, foods), and incidental mentions of the Marshalls and Gilberts. The lists of plants and animals for Ponape give, for comparison, many native names from various atolls.

LC: DU563. C5.

Eastern Pacific lands; Tahiti and the Marquesas Islands.

1-269, London, 1910.

Includes a few mentions of the Tuamotus, with some Tuamotuan words cited in the comparative vocabulary (Appendix B). LC: DU870. C5.

Christopher, W.

Vocabulary of the Maldivian language.

Jour. R. Asiat. Soc. 6: 42-76, 1841.

The vocabulary includes some words for plants and animals.

Christophersen, E.

Dyreliv og planteliv stillehavets koralber.

Naturen 51: 132-149, 1927 a.

In Norwegian. Description of natural history of the central Pacific atolls, several photographs.

Christophersen, E.

Vegetation of Pacific Equatorial Islands.

Bishop Mus. Bull. 44: 1-79, 1927 b.

Includes Christmas, Jarvis, Fanning, Palmyra, Baker, Washington, and Howland Islands. For each island, study of climate, soil (with profiles and analyses), detailed study of vegetation and annotated list of plants. Maps, photos.

Vascular plants of Johnston and Wake Islands.

Occ. Pap. Bishop Mus. 9(13): 1-20, 1931.

Detailed general description of vegetation (by E. H. Bryan), and critical enumeration of plant species. Incidental notes on soil. Maps, photos.

Christophersen, E. and Caum, E. L.

Vascular plants of the Leeward Islands, Hawaii.

Bishop Mus. Bull. 81: 1-41, 1931.

Contains brief geographical accounts, descriptions of the vegetation and list of the land plants, from observations made on the Tanager Expedition as well as material compiled from literature, for the five atolls of the group; photos.

Chu, T. O.

The guano deposits of the Western Islands (Hsisa-tao) or Paracel Reefs.

Bull. Geol. Soc. China 8: 91-94, 1929.

Includes brief description and notes on geology, for Woody, Rocky, Duncan and Palm Islands. Notes on presence and aspect of guano; tables of analysis of 16 samples from Woody Island.

Chûjô, M.

Chrysomelid-beetle of Micronesia.

Mem. Fac. Sci. Agr. Taihoku Imp. Univ.

24 (3): 281-334, 1943.

Includes *Aulacophora marginalis*, from Kajangel (Palau), p. 295, *Planispa chalybeipennis*, from Wotje and Jaluit; in addition, a table of distribution of species in the Carolines, p. 333, gives "Oleai" as habitat for *Aulacophora quadrimaculata*, but in the list of records of this species, p. 298, "Oleai" seems to be a place name in Saipan, not the Caroline Atoll, and the record in the table appears erroneous.

Chun, C. ed.

Wissenschaftliche Ergebnisse der deutschen Tiefsee-Expedition auf dem Dampfer "Valdivia" 1898-1899. 24 vols., Jena, 1902-1940.

- Issued in a number of papers by various specialists, listed here by authors. LC: Q115. V14.
- Chun, C.**
Aus den Tiefen des Weltmeeres.
 1-592, Jena, 1905 (second edition).
 Account of German deep sea expedition in the Valdivia; contains a few remarks on Cocos-Keeling, especially on the climate, chapters on Suvadiva and Diego Garcia, with maps of each, notes on geography and vegetation, photographs; chart of route of expedition. LC: Q115. V15.
- Churchill, W.**
The dying people of Tauu.
 Bull. Am. Geogr. Soc. 41: 86-92, 1909.
 Notes on population of Tauu Atoll, and reasons for its dwindling. P. 89, notes on food and water supply, probably all compiled information.
- Cilento, R. W.**
The causes of the depopulation of the Western Islands of the Territory of New Guinea.
 1-82, Canberra, 1928.
 Pp. 1-11 form a geographical and historical introduction, with data on the physical characteristics of the Matti, Ninigo, and Anchorite groups, with some synonymy of their names, maps; medical portion has data on mosquitoes, taro culture, food supply, etc., photographs of taro patches. LC: RA 954. N4 C5.
- Clark, A. H.**
Butterflies of the Marshall Islands.
 Proc. Ent. Soc. Washington 53: 43, 1951.
 Enumeration.
- Clark, B. P.**
Twenty-five new Spingidae.
 Proc. New England Zool. Club 8: 2-23, 1922.
 Includes, p. 3, *Herse convolvuli marshallensis*, n. subsp., from Jaluit.
- Clark, E.**
Field trip to the South Seas.
 Nat. Hist. 60: 8-15, 46, 1951.
 Popular account of collecting trip in Western Carolines. Some notes and photos on Ulithi and Ngulu.
- *Lady with a spear.*
 1-243, New York, 1953.
 Popular account of author's fish collecting trips; includes some notes on native life on Kanyangel, Ulithi and the southwestern Caroline atolls. LC: QL31. C56 A3.
- Clark, H. L.**
Notes on the Laysan Finch.
 Auk 29: 166-168, 1912.
 Description of anatomical features.
- Clark, T. O.**
Notes on birds of the south Pacific.
 Elepaio 6: 17-19, 26-28, 1945.
 Includes notes on Johns [t] on I. and Kwajalein.
- Clarke, F. W.**
The data of geochemistry. ed. 5.
 U. S. Geol. Surv. Bull. 770: 1-841, 1924.
 A comprehensive review. Chapter 13, pp. 571-578, contains data of the greatest importance in any consideration of atoll soils, particularly with regard to their magnesium content. Bibliography.
- Clarke, F. W. and Wheeler, W. C.**
The inorganic constituents of marine invertebrates.
 U. S. G. S. Prof. Pap. 102: 1-56, 1917; 124: 1-62, 1922.
 Presents many analyses of the skeletons of the calcareous organisms which make up the parent material of atolls, with discussion of the compositions and their significance; does not mention atolls, but is important from standpoint of atoll soils; the 1922 paper is a revised and enlarged edition of the other.
- Clayton, H. H. ed.**
World weather records.
 Smiths. Misc. Coll. 79: 1-1191, 1927; 90: 1-616, 1934; 105: 1-646, 1927.
 Vol. 79 includes records on atmospheric pressure, temperature and rainfall for Malden; vol. 90, same data for Fanning, Midway and the Laccadives; vol. 105 (F. L. Clayton co-editor) same data for Midway and the Laccadives.
- Clench, W. J.**
Cyclophoridae and Pupinidae of Caroline, Fijian and Samoan Islands.
 Bishop Mus. Bull. 196: 1-52, 1949.
 Includes a new species from Lukunor, and some records from Ant and Marshalls.
- Clerget, P. M.**
Contribution à l'étude des Iles Paracels. Les phosphates.
 Inst. Océanogr. Indochine Note 20: 1-18, 1932.
 Includes brief geographical description, notes on

geology, soils (with several profiles), analyses for phosphates, etc. Map, photos.

Closson, M. H.

Under the Southern Cross.

Overland Mo. 21: 205-216, 1893.

Popular account of a long sojourn on Jarvis Island by the wife of the superintendent of the guano operations there, with some information of natural history interest.

Cloud, P. E., Jr.

Preliminary report on the geology and marine environments of Onotoa Atoll, Gilbert Islands. SIM Rept. 12: 1-73, 1952 a (mimeographed).

Includes chapters on geography, climate, geology, water supply, soils. Incidental mentions of a few plants and animals in the ecological descriptions. Maps, bibliography.

Preliminary report on geology and marine environments of Onotoa Atoll, Gilbert Islands. Atoll Res. Bull. 12: 1-73, 1952 b.

A reissue of Cloud, 1952 a.

Nature and origin of atolls.

Eighth Pac. Sci. Congr. Abstr. 111-112, 1953.

Abstract of paper prepared for symposium, principally marine geology but islands incidentally mentioned.

Cockerell, T. D. A.

Hymenoptera, Apoidea.

Trans. Linn. Soc. Zool. II, 15: 29-41, 1912.

Systematic account of collections of second Percy Sladen Expedition, mentions species from Dennis I. (Seychelles), Farquhar, Laccadives, Amirantes, Chagos, etc.

A new bee from the Marshall Islands. Pan-Pacific Entom. 23: 68-70, 1947.

Description of *Megachile lolensis* from Kwajalein.

Codazzi, A.

Resumen de la geografía de Venezuela.

3 vols., Caracas, 1940 (first published, 1841).

Vol. 3: 9-10, includes a paragraph on Las Aves mentioning abundance of birds, and that they are practically bare of trees, having only some oranges and limes [sic]. Unimportant.

Cogswell, H. L.

Bird study aboard a transport to the western Pacific. Elepaia 6: 46-48, 53-54, 62-63, 1946.

Lists birds seen, passing near Johnston Island and Bikar Atoll; records some birds on Ulithi.

Cole, A. C.

The ants of Bikini Atoll, Marshall Islands.

Pan-Pacific Entom. 25: 172-174, 1949.

Systematic list of species with ecological notes.

Insects from Bikini Atoll, Marshall Islands.

Jour. Tenn. Acad. Sci. 26: 246-248, 1951.

Includes a brief paragraph describing some features of the atoll and its vegetation; notes on insect population; check-list of insects collected during resurvey of Bikini in 1947.

Collenette, C. L.

Sea-girt jungles.

1-275, London, 1926.

"The experiences of a naturalist with the St. George Expedition." Includes a chapter on atolls with descriptions of Napuka and Fakarava (Tuamotus) and notes on plants and animals. LC: QH198. A1 C6.

The Arctiidae, Noctuidae and Sphingidae of the "St. George" Expedition, from French Oceania.

Trans. Ent. Soc. London 76: 469-487, 1928.

Includes some records from Napuka and Fakarava.

Collingwood, C.

The natural history of Pratas Island in the China Sea. Quart. Jour. Sci. 4: 145-152, 1867.

See Collingwood, 1868.

Rambles of a naturalist

1-445, London, 1868.

General account, pp. 22-34 giving a description of Pratas, with geography, topography, water supply, vegetation, and fauna, especially birds; chapter on Pratas reprinted from Collingwood, 1867. LC: QH179.C62.

Collombet, E.

En Océanie française: Un voyage aux Tuamotu. Bull. Agence Gale. Col. 19: 691-706, 1926.

Account of an inspection tour through the Tuamotus. Brief descriptions of various atolls, with, for each, notes on aspect, productions, especially coconut plantations, approximate number of inhab-

itants, their state of health, etc.

C[olomb], P. A.

See Leveque and Hale, 1881.

Connolly, M.

Notes on a collection of non-marine Mollusca from the Islands of the Indian Ocean.

Jour. of Conch. 17: 257-266, 1925.

Concerns mostly the high islands, but includes three records from Cosmoledo.

[Cook, J.]

An account of a voyage round the world in the years 1768, 1769, 1770, 1771; in, Hawkesworth, 2: 1-410, 1773.

See Cook, 1893 and Banks, 1896.

Cook, J.

A voyage towards the South Pole, and round the world... in the years 1772, 1773, 1774, and 1775....

2 vols., London, 1777.

Cook's second voyage; vol. 1 includes accounts of two passages among the Tuamotus, pp. 141-143 and 312-316, with very brief descriptions of some atolls, and mentions of birds. P. 190, account of discovery of Hervey's Islands. In vol. 2, account of discovery of Palmerston, with chart of Hervey and Palmerston Islands. For descriptions of these islands, see the third voyage. LC: G420:C68, 1777.

A voyage to the Pacific Ocean... in His Majesty's ships the Resolution and Discovery....

1: 1-421, 2: 1-549, London, 1784.

Vol. 3 by King. Cook's third voyage. Vol. 1, pp. 213-223; Cook revisited Hervey and Palmerston Islands, discovered during his second voyage. Good description of Palmerston, with information on soil, plants, fauna. Vol. 2, pp. 180-189, discovery of Christmas I. Description, notes on vegetation, soil, turtles, birds (one land bird), land crabs, lizards, rats, plants, etc. Chart. Mentions absence of fresh water. LC: G420:C69, 1784.

Captain Cook's Journal during his first voyage round the world made in the bark "Endeavour" 1768-71.

1-400, London, 1893.

Ed. by W. J. L. Wharton, with notes and introduction; first publication of Cook's Journal;

earlier account (1773) edited by Hawkesworth combines observations of Cook and Banks, and notes by Hawkesworth himself. The Journal includes pp. 55-59 notes on various Tuamotu Atolls, with brief descriptions, and mentions of birds. LC: G420:C63, 1893.

Cooke, C. M. Jr.

Land shells of Makatea.

Occ. Pap. Bishop Mus. 10 (11): 1-11, 1934.

Notes on distribution, and systematic enumeration. Incidentally mentions specimens of Lamellidea (*Tornatellinops*) *variabilis*, from Palmyra, and of *Truncatella* (*Tabellita*) *scalariformis* from the Tuamotus, probably from Anaa; *Cyclomorpha flava*, from Anaa, also mentioned.

Cooke, C. M. Jr., et al.

Mangarevan Expedition [report].

Bishop Mus. Bull. 133: 36-56, 1935.

Running account of expedition with specialized accounts of certain aspects by other authors (not listed separately here), containing much general scientific information on various coral islands in southeast and central Polynesia.

Cooksey, T.

Rock specimens.

Australian Mus. Mem. 3: 73-78, 1896.

Descriptions and analyses of rocks, pumice, sand, and soil from Funafuti. See Hedley 1896-1900.

Coolidge, H. J. ed.

Third Annual Report. Pacific Science Board, 1949. 1-154, National Research Council, Washington, D. C., [1950].

Includes much information on recent scientific investigations and expeditions in Micronesia, some of them visiting atolls. Mentions the beginnings of the Coral Atoll Project.

Coolidge, H. J.

Introduction [to Coral Atoll Symposia].

Atoll Res. Bull. 1: 2, 1951 a.

Information on origin and nature of Coral Atoll Research Program of the Pacific Science Board, National Research Council.

Science lends a hand.

Parad. Pac. 63 (5): 30-31, 37, 1951 b.

Brief description of the post-war scientific program in Micronesia, under the auspices of the Pacific Science Board, incidental references to atolls.

Coolidge, H. J. ed.

Fourth Annual Report. Pacific Science Board 1950. 1-114, National Research Council, Washington, D. C., [1951 c].

Includes information on expeditions to atolls, especially SIM expedition to Arno, and South Pacific Commission one to the Gilberts.

----- ed.

Fifth Annual Report. Pacific Science Board 1951. 1-96, National Research Council, Washington, D. C., [1952].

Includes information on scientific investigations and expeditions in atolls, especially the Marshalls and Gilberts.

----- ed.

Sixth Annual Report. Pacific Science Board 1952. 1-87, National Research Council, Washington, [1953 a].

Contains brief summaries of the coral atoll program and of field work on Raroia, Arno, and Manuro, as well as of various other projects and activities of the Pacific Science Board.

Introduction to special symposium on coral atolls. Eighth Pac. Sci. Congr. Abstr. Suppl. 18, 1953 b.

A very brief description of the Pacific Science Board's atoll research program.

Copeland, E. B.

The coco-nut, ed. 2. 1-225, London, 1921.

Monograph; includes a very few incidental mentions of coconut palms on atolls. LC: SB401. C77, 1921.

Ferns of southeastern Polynesia.

Occ. Pap. Bishop Mus. 14; 45-101, 1938.

Reports *Asplenium nidus* from Maria, Anaa, Oeno; *Nephrolepis biserrata* from Maria; *Microsorium scolopendria* from Maria, Anaa, Hao, Tepoto, South Marutea, Oeno, Flint, Timoe; *Psilotum nudum* from Maria, Anaa, South Marutea, Hao, and Flint.

Coppinger, R. W.

Cruise of the "Alert." 1-256, London, 1883.

Chapter on central Pacific atolls has very little information, but sections on the Amiranter and other atolls of the western Indian Ocean contain much information on plants, animals and geog-

raphy. LC: G463. C8.

Corporaal, J. B.

Check list of the Cleridae (Coleoptera) of Oceania. Occ. Pap. Bishop Mus. 13; 11-26, 1937.

Necrobia rufipes recorded from Gilbert, Marshall, Ellice, and Pacific Equatorial islands. Bibliography.

Cory, C. B.

The birds of the Leeward Islands, Caribbean Sea. Field Mus. Pub. Ornith. 1 (5); [191]-255, 1909.

Includes pp. 214-215, a list of 7 species collected by Ferry on Ialas de Aves; mention of vegetation observed on one of the cays. Map showing location of island.

Cotes, E. C.

A conspectus of the insects which affect crops in India.

Indian Mus. Notes 2; 145-176, 1893 a.

Includes, pp. 168-169, two coccids from the Laccadives. See next entry and Maskell, 1893.

Miscellaneous notes. Coconut blight.

Indian Mus. Notes 3; 7-8, 1893 b.

Discusses some specimens of scale insects attacking coconut palms received in 1891 from the Laccadives. See Maskell, 1893.

Cottez, J.

Note sur Bellinghausen.

Bull. Soc. Et. Océan. 5; 209-216, 1933 a.

Résumé of Bellinghausen's voyage with slight information on the atolls he discovered.

Note sur Otto de Kotzebue.

Bull. Soc. Et. Océan. 5; 267-274, 1933 b; 425-436, 1935.

Brief résumé of the voyage of the "Rurick" with slight notes on atolls visited, including a table of those named in the Tuamotus with modern equivalents of their names.

Coulter, J.

Adventures in the Pacific.

1-290, Dublin, 1845.

On pp. 260-262 is a short description of the atolls of the Tuamotus, with very brief notes on natural history. Unimportant. LC: G477. C85.

Adventures on the western coast of South America ... including a narrative of incidents at the Kingsmill

- Islands
2 vols., London, 1847.
Narrative of a whaling voyage, extremely informal and mostly unimportant, but with interesting incidental information, in vol. 1, on Christmas Island and the Kingamill (Gilbert) atolls.
LC: G530. C85.
- Coulter, J. W.
Land utilization in American Samoa.
Bishop Mus. Bull. 170: 1-48, 1941.
Includes some compiled information on Rose Atoll and Swains Island. The bibliography includes references to unpublished reports on Swains in the files of the government of American Samoa.
-
- Eastern Melanesia: in, Freeman, O. W., *Geography of the Pacific* 173-204, 1951.
Contains bits of information on several atolls; bibliography.
- Courot, P. M.
L'évolution du Pacifique sud.
Geographia 10: 37-41, 1952.
Popular article, superficially mentioning atolls, mainly historical; map.
- Couthouy, J. P.
Remarks upon coral formations in the Pacific.
Boston Jour. Nat. Hist. 4: 66-105, 137-162, 1842.
Contains incidental information on land features, birds, vegetation, etc. on Pacific atolls (Ocean I., Christmas I., Tuamotus, Rose I. etc.); mentions presence of volcanic rocks on Rose. Maps of Ocean and Christmas Islands. Couthouy was with the U. S. Exploring Expedition.
- Cowles, R. P.
Preliminary report upon the behavior of *Ocypoda arenaria*; in, Mayer, 1906.
Carnegie Inst. Yearbook, 4: 115-117, 1906.
See Cowles 1908.
-
- Habits, reactions and associations in *Ocypoda arenaria*.
Carnegie Inst. Pub. 103: 1-41, 1908.
Experimental and observational data on *Ocypoda*, collected on Loggerhead Key, Dry Tortugas.
- Cox, D. C.
The hydrology of Arno Atoll, Marshall Islands.
SIM Rept. 9: 1-29, 1951 a.
- A comprehensive study of occurrence, distribution, and use of ground water, its salinity, and geology affecting it; rainfall measurements and catchment; diagrams.
- Cox, D. C.
The hydrology of Arno Atoll, Marshall Islands.
Atoll Res. Bull. 8: 1-29, 1951 b.
A reissue of Cox, 1951 a.
-
- Aims and techniques for ground-water investigation.
Atoll Res. Bull. 17: 24-27, 1953 a.
Detailed description of methods.
-
- Techniques for salinity determination.
Atoll Res. Bull. 17: 28-32, 1953 b.
Detailed description of methods.
-
- Techniques of tidal analysis.
Atoll Res. Bull. 17: 33-37, 1953 c.
Detailed description of methods, special reference to behavior of ground water bodies in atolls.
- Cox, D. C., Davis, D. A., and Wentworth, C. K.
Geology and ground water of atolls.
Atoll Res. Bull. 2: 3-4, 1951.
Discusses need for different lines of research.
- Craighead, F. C. and Craighead, J. J.
How to survive on land and sea.
1-340, Annapolis, 1951, revised edition.
Includes much information which can be used on atolls, especially in chapter on "tropical seashore survival." Some of the photos were taken in the Marshall Islands.
- Craighead, J. and Craighead, F.
We survive on a Pacific atoll.
Nat. Geogr. Mag. 93: 73-94, 1948.
Popular account of a survival experiment on Kwajalein. Good photographs.
- Cranwell, L. M.
Flora of Manihiki, Cook group.
Rec. Auckl. Mus. 1: 169-171, 1933.
Enumeration of species "likely to have been established before the arrival of white people," collected by Linton (see Linton, 1933). Cites native names.
- Cranwell, L. M., Green, J. L. and Powell, A. W. B.
Food is where you find it. A guide to emergency foods of the western Pacific.

1-72, supplement 1-4, Auckland, N. Z., 1943-1944.

Small, well illustrated booklet. Includes a chapter on food plants usually found on low coral islands. Some of the other plants described occur also on atolls.

Cresson, E. T. Jr.

Descriptions of new genera and species of the dipterous family Ephydriidae XI.

Trans. Am. Ent. Soc. 60: 199-222, 1934.

Includes *Canaceoides nudata*, recorded from Lisiansky and Wake, p. 221.

[Cross-cultural Survey]

Bibliography of Micronesia.

1-46, New Haven, 1943 a (mimeographed).

Extensive bibliography, with annotations; excerpts and translations are filed in Human Relations files, Institute of Human Relations, Yale University.

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Food and water supply in the Marshall Islands. Str. Bull. Oceania no. 5: 1-24, Washington, 1943 b (mimeographed).

Useful compilation, with bibliography.

[-----]

Meteorology of the Marshall Islands.

Str. Bull. Oceania, no. 2: 1-22, Washington, 1943 c (mimeographed).

General information, and tables for mean temperatures, atmospheric pressure, rainfall, etc. compiled from German information, mostly collected on Jaluit.

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Gazetteer of the Marshall Islands.

Str. Bull. Oceania no. 1: 1-61, Washington, 1943 d (mimeographed).

Index to the geographical names, with indication of position, in the Marshall Islands.

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Meteorology of the Caroline Islands.

Str. Bull. Oceania no. 7: 1-28, Washington, 1943 e (mimeographed).

General information and tables for such data as temperature, atmospheric pressure, rainfall, etc. compiled mostly from German sources, and some of it referring specifically to some of the atolls.

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Emergency adaptations in Melanesia.

Str. Bull. Oceania no. 3: 1-9, Washington, 1943 f (mimeographed).

Practical suggestions on subsistence when cast away on islands, many of them quite applicable to atolls, particularly those on water supply and use of coconuts.

Crosse, H.

Note sur les mollusques operculés terrestres des Îles Pelew ou Palaos.

Jour. Conch. 14: 346-350, 1866.

Includes *Palaina moussoni* O. Semper, from Krelingel.

Diagnoses Molluscorum novorum.

Jour. Conch. 16: 174-178, 1868.

Includes *Omphalotropis pfefferi* p. 178, from "Insula 'Lord Howe' dicta, Novarum Hebridarum (teste B. Wright)"; in Crosse collection. Uncertain which Lord Howe this is from.

Crossland, C.

The voyages of the "St. George" to the South Pacific.

Discovery 6: 423-427, 1925.

Popular account of the expedition; includes a paragraph on Napuka. Unimportant.

Marine ecology and coral formations in the Panama region, Galapagos and Marquesas Islands, and the atoll of Napuka.

Trans. R. Soc. Edinburgh 55: 531-554, 1927.

Includes description of Napuka, pp. 552-554.

Crowe, P. R.

Wind and weather in the equatorial zone.

Inst. Brit. Geogr. Trans. Pap. 1951: 21-76, 1952.

An analysis of the position and behavior of the doldrums; important in interpreting climate of the Pacific atolls, makes specific mention of Malden, Fanning, and the Marshalls (esp. Ujelang); maps, diagrams, bibliography.

Crowther, W. E. L. H.

The development of the guano trade from Hobart Town in the fifties and sixties.

Pap. Proc. R. Soc. Tasmania 1938: 213-220, 1939.

Historical account of islands visited by the ships of W. L. Crowther. Includes some information on guano islands in the Coral Sea: Raine and Bird (on Wreck Reef).

Cummins, G. B.

Descriptions of tropical rusts. II.
Bull. Torrey Bot. Club 67: 67-75, 1940.
On p. 75, includes *Uredo wakenais*, on *Tournefortia*, from Wake I.

Curran, C. H.

Diptera.
Proc. Calif. Acad. Sci. IV, 22: 1-66, 1936.
Includes one new species each from Pukapuka, Palmyra and Sikaiana atolls, one more species from Pukapuka.

Curton, E. de

Tahiti, terre française combattante.
1-102, London, 1942.
Geographical and historical notes on French Oceania; includes a few photos of the Tuamotus (Reao). An edition in English appeared at the same time as the French one. LC: DU870. C9.

Cusenbery, J. D. ed.

The Ulithi encyclopedia.
1-41, Ulithi, Western Carolines, 1945.
Popular booklet about Ulithi; reproduced by offset. Includes a chapter on plants (weeds and useful plants, botanical names given) and an enumeration of animals. LC: DU568. U5 A5.

Cuzent, G.

L'arbre à pain (*Artocarpus incisa*, Forster) dans les îles de l'Océanie.
Ann. Agr. Col. Trop. 2:218-226, 1861.
Notes on varieties of breadfruit recognized in Tahiti, and on "popof"; on p. 224, says that this is much eaten in the Tuamotus, but causes headaches; this statement seems erroneous.

Voyage aux Iles Gambier (Archipel de Manga-Réva).
Bull. Soc. Acad. Brest 7: 237-385, 1871.
See next entry.

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Voyage aux Iles Gambier
236-385, [1872?].
Reprinted from above entry. Informal account of journey, with a word of discussion of the atolls of the Society group, discussion of the mode of formation of coral atolls, occasional references to the Tuamotus, especially, pp. 260-261, Anaa, and p. 272, Timoe. Bish; DU605. C99.

Cuzent, G.

Archipel des Pomotu.
Bull. Soc. Acad. Brest II, 9: 49-90, 1884.
List of the islands of the archipelago including Gambier, with for each, brief descriptive note including mention of vegetation; more detailed information on the main ones, such as Anaa, includes notes on economic plants; general paragraphs on climate and flora, pp. 85-86.

Dakin, W. J.

Marine biology in Western Australia.
Jour. R. Soc. West. Austr. 1: 11-27, 1915.
Includes notes on marine fauna of the Abrolhos group, including Pelsart, with brief mention of the structure of the islands.

The Percy Sladen Trust expeditions to the Abrolhos Islands (Indian Ocean).
Jour. Linn. Soc. Zool. 34: 127-180, 1919.

Account of 1913 and 1915 expeditions. Notes on climate; description of each group of islands. Pp. 171-176 concern Pelsart group and especially Pelsart Island, with notes on its structure, and fauna (birds, a small lizard); only plant mentioned; mangrove.

Great Barrier Reef and some mention of other Australian coral reefs.
1-133, Melbourne, 1950 a.

Includes some description of Pelsart Island, and photos. LC: QE566. G7 D3.

The story of the Great Barrier Reef.
Walkabout 16 (9): 10-17, (10): 29-37, (11): 29-32, (12): 10-20, 1950 b; 17 (1): 29-33, 1951.
Third paper concerns Pelsart Island, with photos; others have general notes on coral islands and atolls.

Daly, R. A.

Geology of American Samoa.
Carnegie Inst. Pub. 340: 93-143, 1924.
Contains a small inset map of Rose Atoll; paper concerns high islands, but has a comprehensive discussion of beach-rock formation that is of great interest in connection with atolls.

Damm, H.

Methoden der Feldbewässerung in Ozeanien; in, Südseestudien, Gedenkschrift zur Erinnerung an Felix Speiser, herausgegeben vom Museum für Völkerkunde . . . Basel, 204-234, Basel, 1951.

Summary of information on irrigation methods used in Pacific Islands. Includes notes on taro cultivation in the Carolines, Marshalls, Gilberts, Ellice, Luangina, Nukumann, Tuamotus, French summary, pp. 233-234. Bibliography. LC: GN8. B28.

Damm, H. et al.

Inseln um Truk (Polowat, Hok, und Satowal): in, G. Thilenius, *Erg. Süds. Exp. II B 6*, 2: 1-288, 1935.

Monographic, treating geography, flora, fauna, but emphasizing anthropology, with information on geology, climate, typhoons, water supply, vegetation, economic plants and animals, agriculture, etc.; bibliography, photographs. LC: GN662. T5.

Zentralkarolinen 2 (Ifalak, Anrepik, Faraulip, Sorol, Megmog): in, G. Thilenius, *Erg. Süds. Exp. II B 10*, 2: 1-379, 1938.

Monographic, treating geography, flora, fauna, but emphasizing anthropology, with information on geology, climate, typhoons, water supply, vegetation, economic plants and animals, agriculture, etc.; bibliography, photographs.

Dammerman, K. W.

First contribution to a study of the tropical soil and surface fauna.

Treubia 6: 107-139, 1925.

Describes methods of collecting and gives some statistics on results, the animals mostly only determined to the larger groups, a few to species; mostly from localities on high islands of the East Indies, but a few from the coral islands in the Java Sea.

The fauna of Krakatau 1883-1933.

Verhand. Kon. Ned. Akad. Wetens. Nat. II, 44: 1-594, 1948.

Includes, pp. 115-123, a brief description of Cocos-Keeling, and an account of its fauna, studied for the purpose of comparison with that of Krakatau. Separate. LC: QL 319. D285.

Dampier, W.

A new voyage round the world . . . the third edition corrected.

1: 1-550, 1698; 2: 1-180, 1-132, 1-112, unpagged index, 1699; 3: 1-162, unpagged index, 1703.

Vol. 1, first published 1697; vols. 2 and 3 first published here. Vol. 1: 90, mentions seals

on the islands "Alceranes" (Alacran Reef); on p. 59, description of Isle of Aves (north of Venezuela) with notes on its birds. Vol. 2 is entitled *Voyages and descriptions*, its part 2 entitled *Mr. Dampier's voyages to the Bay of Campeachy*; this includes, pp. 23-28, a good description of Alceranes (Alacran) with notes on vegetation, mentioning "burton-wood" bushes, and fauna including rats, birds and seals, with observations on the habits of the latter, and on the making of oil from them; on p. 45, a short description of the Triangles (Los Triangulos); map. LC: G420. D16, rare books.

Dampier, W.

Mr. Dampier's voyages to the Bay of Campeachy. Voyages and descriptions vol. 2, pt. 2: 1-132, London, 1699.

See Dampier, 1698.

A collection of voyages.
4 vols., London, 1729.

Vols. 1, 2 and part of 3 are by Dampier, his voyages being here really issued together for the first time (see preface of 1927 reprint); LC: G420. D17.

[Penzer, M. N. ed.]

A new voyage round the world.
1-376, London, 1927.

The preface gives an account of the different editions of Dampier's *Voyages*, and reproduces the title page of the first edition, London, 1697. The introduction by A. Gray is a biography and history. This edition based on vol. 1 of the 1729 edition, the title page of which is also reproduced. LC: G420. D3, 1927; reprinted 1937; LC: G420. D3, 1937.

[Penzer, M. N. ed.]

Voyages and discoveries.
1-311, London, 1931.

Reprint of vol. 2, 1729. LC: G420. D3, 1931.

Dana, J. D.

Geology: in, *U. S. Exploring Exped. 10*: 1-756, Philadelphia, 1849.

On pp. 48-79, are descriptions of many atolls and of many of the features of atoll environment; on p. 309, a brief mention of "masses of basalt" on Rose Atoll. LC: Q115. W6.

On coral reefs and islands. I, II.

Am. Jour. Sci. 61: 357-372, 62: 25-51, 1851 a.

Contains short geographical accounts of many atolls, with some suggestion of their vegetation

and, p. 50, a list of the flora of the Tuamotus, and a note of the flora, two species, of Rose Island. Several small maps and diagrams.

Dana, J. D.

Conspectus Crustaceorum quae in orbis terrarum circumnavigatione, Carolo Wilkes....
Proc. Acad. Nat. Sci. Phila. 5: 247-254, 267-272, 1851 b.

First part "Crustacea grapsoldea" includes some shore species from the Tuamotus, some of them new, e.g. *Grapsus longitarsis*, *Cardisoma obesum*; part 2, "Paguridea" includes *Cenobita carnescens*, from the Tuamotus.

Crustacea, Part I: in, U. S. Exploring Exped. XIII: 1-685, Philadelphia, 1852.

Includes some land and shore species from the Tuamotus and Swain's I. (Birgus).

Corals and coral islands.
1-398, N. Y., 1872.

One of the historically important treatises on coral islands, mainly zoological and geological, but with chapters on geographical features and distribution, with short descriptions of many coral islands and archipelagoes; fine engravings and maps. LC: QE565. D15.

Daniel, H.

Islands of the Pacific.
1-228, N. Y., 1943.

Readable and apparently fairly accurate geographic summary of the Pacific islands, especially the smaller ones, giving "the essential facts concerning location and physical appearance, climate, and topography, fauna and flora, peoples, languages, government, and resources." Information on Micronesia is, of course, pre-war. Maps but with no coordinates. LC: DU22. D3.

Danielsson, B.

Quelques observations météorologiques faites à Raroia (Tuamotu) du 1er janvier au 30 juin 1950.
Bull. Soc. Et. Océan. 8(5): 192-199, 1951 a.

Tables containing information on temperature, rainfall, dominant wind direction and strength (Beaufort) for the first half of 1950.

Suite des observations météorologiques faites à Raroia (Tuamotu) du 1er juillet au 31 décembre 1950.

Bull. Soc. Et. Océan. 8(6): 236-243, 1951 b.
Continuation of Danielsson 1951 a.

Danielsson, B.

Den lyckliga ön.
1-266, Stockholm, 1951 c.

See Danielsson, 1952 for edition in English. This contains a few photographs not reproduced in the English edition. LC: DU870. D345.

The happy island.
1-252, London, 1952.

An authentic account of everyday life in Raroia, one of the more remote of the Tuamotus, based on eighteen months stay there by one of the members of the crew of the *Kon Tiki*, with much geographical and some natural history information, excellent photographs. Tr. from the Swedish edition by F. H. Lyon. LC: DU870. D3454, 1952.

Darby, H. C. et al.

Pacific Islands.
4 vols., [London], 1943-1945 (B. R. 519 Geographical Handbook Series).

Discussion of coral islands, and their geology, in vol. 1; good descriptions, with maps and some photos, of main groups and islands, including atolls, in other volumes. GS: 504 G82 g.

Darwin, C. R., ed.

The zoology of the voyage of H. M. S. Beagle....
5 vols., London, 1838-1843.

Enumeration of species collected during the famous voyage; different groups treated by various specialists; see Waterhouse, Gould. See Sherborn, 1897, for dates of issue. LC: QL5. B3, rare books.

Journal of researches....
1-519, London, 1852.

Detailed geographic and natural history observations; on p. 402 is a brief mention of the Tuamotus; Chapter 20, pp. 452-482, treats in detail Keeling Atoll, and includes a discussion of geology of atolls, reefs, etc. LC: QH11. D2, 1852.

The structure and distribution of coral reefs, ed. 3.
1-344, N. Y., 1896 (earlier editions in 1842 and 1874).

The basic work on atolls, mainly geological, in which (ed.1) the subsidence theory was proposed and supported. Extensive geographical appendix. Maps, bibliography. LC: QE565. D2, 1896.

Dautzenberg, F. and Bouge, J. L.

Les mollusques testacés marins des Etablissements français de l'Océanie.

Jour. Conch. 77: 41-108, 145-322, 351-469, 1933.

Comprehensive enumeration, including various shore species from the Tuamotu, Timoe, and Mopelia.

David, Mrs. E.

Funafuti.

1-318, London, 1899.

Excellent popular account of the expedition to carry out the boring, with chapters on uses of plants for food, clothing, on animals, etc., and much incidental information. A few photographs, map. LC: DU590. D2.

David, T. W. E. and Sweet, G.

The geology of Funafuti: in, Royal Society of London, The atoll of Funafuti, 61-88, appendix 1: 89-111, appendix 2: 112-124, 1904.

Detailed description, with mentions of soils and discussion of formation of atoll. Some good photos. Appendix 1 describes in detail the various islets with incidental notes on vegetation, plants, soils, etc.; appendix 2 explains the lettering of the maps (in separate folder).

Davidson, M. E. M.

Notes on the birds.

Proc. Calif. Acad. Sci. IV, 21: 189-198, 1934.

Birds collected by the Templeton Crocker expedition, 1933; includes *Sula dactylatra personata* from Palmyra.

Davis, J. H. Jr.

The ecology of the vegetation and topography of the sand keys of Florida.

Carnegie Inst. Pub. 524: 113-195, 1942.

Detailed geographical and vegetational study, including, pp. 176-191, an excellent account of the Tortugas Keys, with maps, photographs and bibliography.

Davis, J. K.

Bird notes from Willis Island.

Emu 22: 181-187, 1923 a.

Includes brief description of island, and observations on various birds. Photos of island and bird colonies.

Willis Island; a storm warning station in the Coral Sea.

1-119, Melbourne, 1923 b.

Account of establishment of station; includes geographical description, notes on change in contour of islets, information on turtles and insects, list of birds with notes on habits, and list of plants. Notes on weather and climate. Maps, photos. WB: C/nf D262.

Davis, W. M.

The origin of certain Fiji Atolls.

Proc. Nat. Acad. Sci. 2: 471-475, 1916.

Geologic information bearing on which Fiji islands may be considered atolls, but unimportant from standpoint of land environment.

The coral reef problem.

1-596, N. Y., 1928 (Am. Geogr. Soc. Sp. Pub. 9).

Comprehensive review, with geographic and geological information on an enormous number of atolls, many photographs, drawings, and maps, and an exhaustive bibliography. Primarily geological. LC: QE565. D3.

Dawson, E. W.

The isles of the sea

1-698, Hartford, Conn., 1886.

A fictional account of a trip around the world, intended to summarize the extant knowledge of most of the islands of the world, including the principal groups of atolls, with maps, drawings, and extensive quotations from various works which are not mentioned by name. LC: DU21. D27.

Debenham, F., ed.

The voyage of Captain Bellingshausen to the Antarctic Seas 1819-1821.

2 vols., 1-474, London, 1945 (Hakluyt Society II, 91, 92).

English translation of the Russian journal, with accounts and maps of a number of the Tuamotus and several central Pacific atolls, with incidental notes on their geography and vegetation. LC: G161. H2, vol. 91, 92.

Deeken, R.

Die Karolinen.

1-140, Berlin, 1912.

Original monograph. Concerns mostly the high islands, but there is a chapter on the coral islands. LC: DU563. D4.

Deflesselle,

L'alimentation des indigènes dans les îles du

- Pacifique oriental; in, Hardy, G. et al.,
L'alimentation indigène dans les colonies fran-
çaises, 361-370, Paris, 1933.
Includes, pp. 367-368, a brief note on food
and water supply in the Tuamotus. LC: TX360.
F7 H3.
- Degener, O. and Fosberg, F. R.
A central Pacific *Sesuvium*.
Occ. Pap. Bishop Mus. 21: 45-47, 1952.
Description of a new variety from the Line and
Phoenix atolls.
- Degener, O. and Hætheway, W. [H.]
Die Flora des Cantonatolls.
Rev. Sudam. Bot. 10 (2): 33-37, [1952].
Enumeration of specimens collected and plants
seen in 1950 and 1951. Brief descriptive notes on
geography, climate, vegetation; mention of
hermit-crabs and birds. Photos.
- Delacour, J. and Jabouille, P.
Oiseaux des Iles Paracels.
Trav. Serv. Océanogr. Mém. 3: 1-24, 1930.
Introduction has description of group with notes
on substratum, vegetation, rats, guano exploita-
tion; description of birds; many fine photographs
showing appearance of islands, birds and vegeta-
tion. LC: QL691. I6 D4.
- Delacour, J. and Mayr, E.
The family Anatidae.
Wilson Bull. 57: 3-55, 1945.
Monographic; includes mentions of the Laysan
teal and the Line Islands gadwall, see p.52.
- Dempwolff,
Ueber aussterbende Völker (Die Eingeborenen
der "westlichen Inseln" in Deutsch-Neu-Guinea).
Zeitschr. Ethn. 36: 384-415, 1904.
Discussion of diseases and causes of depopulation
in atolls of western Bismarck Archipelago. In-
cludes historical account of visits to the islands,
notes on native life, foods; no description of
islands; bibliography.
- Derrick, R. A.
The Fiji Islands.
1-334, Suva, 1951.
Detailed geographical treatment of Fiji, with,
pp. 83-84, 303, and 306, brief remarks on
Wallagilala and Nukutolu, which are probably
the only true atolls in the group; maps.
- Devereux, J. P. S.
The story of Wake Island.
1-252, Philadelphia, 1947.
Story of the Japanese attack on Wake, with some
general geographical and natural history informa-
tion in the first chapter. A few photographs. LC:
D767. 99W3 D4.
- Diels, L.
Eine *Scaevola* von Mikronesien.
Bot. Jahrb. 56: 561, 1921 a.
S. frutescens recorded from the Caroline and
Marshall Islands, from several collections.
- Beiträge zur Flora von Mikronesien und Polynesien.
II.
Bot. Jahrb. 56: 429-528, 1921 b; (III) 59: 1-29,
1924; (IV) 63: 271-323, 1930; (V) 69: 395-406,
1938.
See Volkens, 1914 for Pt. I. Systematic. Differ-
ent groups treated by various authors, citing many
different collections, some of them from atolls.
- Dill, H. R.
The albatrosses of Laysan.
Am. Mus. Jour. 13: 185-192, 1913.
Notes on *Diomedea immutabilis* and its ecology
on Laysan (1911); photos.
- The mating and nesting habits of *Fregata aquila*;
and, The albatross of Laysan.
Wilson Bull. 28: 153-157, 172-175, 1916.
Notes on ecology of frigate-birds and albatross on
Laysan, with many photos.
- Dill, H. R. and Bryan, W. A.
Report of an expedition to Laysan Island in 1911.
U. S. D. A. Biol. Surv. Bull. 42: 1-30, 1912.
Account of land conditions, ecology, fauna,
especially a complete annotated list of the birds,
and notes on the disastrous results of bird poaching
and the introduction of rabbits. Photographs, map.
LC: QL155. A2.
- Dingler,
Ueber eine von den Carolinen stammende *Coelococcus*-Frucht.
Bot. Centralbl. 32: 347-351, 1887.
Original description of *Coelococcus carolinensis*;
author wrongly supposed that the genus might extend
to the Marshalls, Ellice and Gilberts.
- Distant, W. L.
Rhynchota; in, Gardiner, The fauna and geography
of the Maldiva and Laccadive Archipelagoes 2: 847-
851, 1905.

Systematic.

Distant, W. L.

'Sealark' Rhynchota.

Trans. Linn. Soc. Zool. II, 13: 29-48, 1909.

Systematic, various species recorded from atolls of western Indian Ocean.

Rhynchota. Part I: Suborder Heteroptera.

Trans. Linn. Soc. Zool. II, 16: 139-191, 1913.

Records various species from Bird and Dennis Islands, Seychelles, and refers to some previously recorded from other western Indian Ocean atolls.

Rynchotal notes.

Ann. Mag. Nat. Hist. VIII, 13: 176-186, 1914.

Serinetha isolata described, p. 179, from the Marshalls.

Rhynchota. Part II: Suborder Homoptera.

Trans. Linn. Soc. Zool. II, 17: 273-322, 1917.

Records Ivinga typica from Dennis I., Seychelles.

Dives,

L'île de Clipperton.

Tropiques 301: 36-38, 1948.

Brief historical account and description. Map.

Divine, A. D.

The King of Fassarai.

1-296, N. Y., 1950.

Historical novel set in Ulithi, based on the story of M. P. Wees. See also Wees, 1950.

LC: PZ3. D6387 K1.

Divine, David (pseud.)

See Divine, A. D.

Dixon, H. N.

Gilbert Islands mosses.

Jour. Bot. 65: 254-257, 1927.

Several species are mentioned, one of them new, from a collection by the Rev. Eastman, missionary (1926).

Splachnobryum pacificum Dixon sp. nov.

Rev. Bryol. II, 1: 12, 1928.

Described from the Gilbert Islands (Tabiteuea), collected by Eastman.

Dixon, K. L. and Starrett, W. C.

Offshore observations of tropical sea birds in the

the western Pacific.

Auk 69: 266-272, 1952.

Includes notes on birds observed near Wake, the Leeward Hawaiian atolls, and the Marshalls.

Dixon, W. A.

Notes on the meteorology and natural history of a guano island, and the guano and other phosphatic deposits occurring on Malden Island.

Jour. Proc. R. Soc. N. S. W. 11: 165-176, 176-181, 1877.

The first paper includes a good description of topography, soil, climate (with tables for rainfall), plant and animal life. Discussion of water supply. The second paper gives analyses of various guanos.

Dixon, W. S.

Notes on the zoology of Caroline Island . . . : in, Holden, E. S., Report of the . . . American Expedition . . .

Mem. Nat. Acad. Sci. 2: 90-92, 1884.

Reports various animals, mainly by common names or without specific identifications, with speculations on ecology.

Doane, E. T.

Remarks upon the atoll of Ebon, in Micronesia.

Amer. Jour. Sci. II, 31: 318-325, 1861 a.

Good account of surface features, with notes on flora, land fauna, vegetation, and with map. Original observations.

The atoll of Ebon, at the Marshall Islands.

Friend 18: 81-83, 1861 b.

Said to be copied from Doane, 1861 a.

The Caroline Islands.

Geogr. Mag. 1: 203-205, 1874.

Account of a missionary trip, with notes on Ngatik, Mortlocks and Lukunor; brief description of atolls, and notes on native life.

Docters Van Leeuwen, W. M.

Botanical results of a trip to the Salajar Islands.

Blumea 2: 239-277, 1937.

Includes, pp. 248-249 and 269-270, descriptions of the Pastaloe Islands, with notes on vegetation and list of plants and mention of Megapode mounds.

Deflein, F.

Brachyura: in, Wiss. Ergebn. "Valdivia" 6: 1-314, 1904, plus atlas.

- The systematic part includes some shore or land crabs from Diego Garcia e. g., pp. 126, 129, 131, citing various other atolls as earlier records.
- Donaghho, W. [R.]
[Notes on birds of Midway].
Elepaio 1 (6): 5, 1940.
Ecological notes.
-
- Bird notes from Midway.
Elepaio 1 (13): 1, 1941 a.
Ecological notes.
-
- [Notes on birds of Midway].
Elepaio 2: 33, 1941 b.
Ecological notes.
-
- Journal of the 1938 Line Island Expedition.
Elepaio 13: 22-25, 34-36, 43-44, 48-50, 60-62, 66-69, 1952-1953.
Includes notes on habits of birds and incidental mentions of other animals, including domestic ones, of vegetation and plants, etc. Concerns Howland, Canton, Enderbury, Hull, Swains, Atafu, Rose, Puka-puka and Jarvis.
-
- Ornithological notes, Midway Islands, 1940.
Elepaio 14: 8-11, 18-21, 30-33, 41-43, 1953; 46-49, 57-59, 1954.
Field notes on occurrence and habits of birds on Midway during construction of Naval air base; a few plants mentioned.
- Donat, and Seurat, [L. G.]
Sur quelques similitudes des langues et des coutumes des indigènes de Funafuti (Ellice group) et des indigènes des îles de la Société, de l'archipel des Tuamotu, etc.
Proc. Linn. Soc. N. S. W. 28: 926-931, 1904.
Includes some names of plants, and notes on plants and animals involved in material culture, in Funafuti and the Tuamotu.
- Doty, M. S.
The hypothetical role of algae in atoll structure.
Proc. Hawaiian Acad. Sci. 27: 7, 1952.
Includes remarks on the role of algae in contributing to material of islets and in stabilizing the substratum and adding nitrogen to it.
-
- Instructions for collecting algae.
- Atoll Res. Bull. 17: 62, 1953 a.
Practical methods for preservation and notes on occurrence.
- Doty, M. S.
The prospective roles of algae in coral atolls.
Eighth Pac. Sci. Congr. Abstr. 111, 1953 b.
Abstract prepared for symposium, mentions roles of algae in atoll soils.
- Doutt, R. L.
The parasite complex of *Furcaspis oceanica* Lindinger.
Ann. Ent. Soc. Am. 43: 501-507, 1951.
Describes *Anabrolepis oceanica*, parasite of *Furcaspis* from Ulithi, and mentions *Marietta carnesi* as a probable parasite of *Anabrolepis*, also from Ulithi.
- Drake del Castillo, E.
Illustrationes florae insularum Maris Pacifici.
1-458, Paris, 1886-1892.
For exact dates of the seven fascicles, see Stearn, W. T., Jour. Soc. Bibl. Nat. Hist. 1: 202, 1939. Introduction contains a discussion of the vegetation of the Pacific Islands, contrasting that of the high islands with that of the low ones; main body is a series of plates of individual species, with notes; pp. 103-457, annotated list of Pacific flora, including Tuamotu. NYBG: 581-996 D78, AA: Lo Di 78.
-
- Sur la géographie botanique des îles de la Société.
Bull. Soc. Philom. Paris VII, 11: 146-155, 1887.
Includes a few unimportant remarks on atolls.
-
- Remarques sur la flore de la Polynésie et sur ses rapports avec celle des terres voisines.
1-52, Paris, 1890.
Mainly phytogeographic, with brief mention of characteristics of atolls. Unimportant. Bñah: QK Bot. Pam. 619.
-
- Flore de la Polynésie française.
1-352, Paris, 1892.
Systematic, with historical introduction, map of Tahiti; contains records of some species from the Tuamotu.
- Drews, R. A.
Gilbert Island horticulture.
Am. Anthrop. n. s. 46: 571-572, 1944.
"The only food plant cultivated by the Gilbert

Islanders is the bobai, a local variety of taro."
The paper describes bobai culture.

Drummond-Hay, H.

A trip to Wake Island.

China Jour. 30: 333-339, 1939.

Description of trip; notes on plants seen on Wake, no botanical names given; mentions artificial culture of vegetables.

Dryden, L.

Surface features of coral reefs.

1-62, Washington, 1944 (published as Engineering Notes No. 18, Military Intelligence Division, Office of Chief of Engineers, U. S. Army, and as Technical Memorandum No. 4, Beach Erosion Board, Corps of Engineers, processed).

Mainly marine geology but with brief characterizations of reef-islands and several poorly-reproduced photographs of a number of unidentified atolls.

Drysdale, R. H.

Ueber Baker-, Jarvis-, und Howland-Guano (Schluss).

Chem. Centralbl. n. f. 6: 274-279, 1861.

Analyses of guano samples from Baker, Jarvis and Howland, with brief notes on the islands, and on Malden. Apparently based on unpublished material. See Leibig, 1860, for first part.

[Dudfield,]

Die Lacede-Inseln.

Ann. Hydrogr. 5: 586-589, 1877.

Brief account of the islands, with information on geography, vegetation, guano, presence of turtles, etc. See also notes on these islands in vol. 6: 105-106, 1878, with sketch map facing p. 134.

[Duhart,]

Bemerkungen über die Guano-Insel Malden. Südlicher Stiller Ocean.

Ann. Hydrogr. 6: 106-107, 1878.

Brief note with some information on topography, and guano digging. Sketch-map facing p. 134.

Dumbleton, L. J.

A review of progress in mosquito control in the south Pacific area.

Proc. 7th Pac. Sci. Congr. 7: 357-370, 1953.

Includes information on filariasis vectors in the Marshall, Gilbert, Ellice and Tokelau Islands. Bibliography.

Dumont d'Urville, J. S. C.

Notices sur les îles du Grand Océan.

Bull. Soc. Géogr. Paris 17: 1-21, 1832.

First clear demarcation of the main divisions of the Pacific -- Polynésie, Micronésie, Malaisie and Mélanésie with a map, p. 356, with the divisions outlined, and many old names for islands indicated.

Croisière du schooner le *Dolphins* dans les îles de l'Océan Pacifique, par le lieutenant H. Paulding.

Bull. Soc. Géogr. Paris 19: 144-157, 1833 a.

Review and discussion of Paulding's account, which see.

Découvertes du capitaine américain Morrell.

Bull. Soc. Géogr. Paris 19: 249-270, 1833 b.

Describes Morrell's voyages. See also next entry and Morrell, 1839.

Observations sur les découvertes du Capitaine américain J. Morrell.

Bull. Soc. Géogr. Paris 19: 270-277, 1833 c.

Identifies the islands named by Morrell with those already known.

Voyage pittoresque autour du monde.

1: 1-576, 1834; 2: 1-584, Paris, 1835.

Popular account of an imaginary voyage around the world meant to sum up accounts of a great many voyages such as those of Dampier, Cook, Beechey, Dumont d'Urville, etc. Includes compiled descriptions of many atolls. LC: G560. D8, 1834.

Voyage au pôle Sud et dans l'Océanie sur les corvettes l'*Astrolabe* et la *Zélée*, exécuté par ordre du Roi, pendant les années 1837-1840.

Histoire du voyage, 10 vols., Paris, 1842-1846.

Vols. 3 and 4, 1842, mention some of the Tuamotu and Society atolls and Rose; in vol. 5, 1843, Abgarris (Nuguria), Nougouner (Lukmor), Louasap (Losap). There is very little information on all these atolls, which were sighted, sometimes circled, but never landed on. LC: Q115. D9.

Voyage autour du monde.

1: 1-550; 2: 1-542, Paris, 1853.

A new and revised edition of the Voyage pittoresque (1834). LC: G560. D8, 1853.

Dumstrej, H.

Official visit to the islands of the Manu'a district.
O Le Fa'atou 18 (2): 1-2, 1920.

Account of Gov. Terhune's first visit to Rose Atoll. Notes on vegetation, absence of insects, abundance of birds, introduction of various seeds.

Du Petit-Thouars, A.

Voyage autour du monde sur la frégate La Vénus pendant les années 1836-1839
10 vols., Paris, 1840-1844.

Vol. 2, 1841, p. 458 has a paragraph on Hull Island (Maria) said to have 5 islets; pp. 374-378, and vol. 4, pp. 33-36, 1843, include brief notes on the Tuamotus. LC: Q115. D95.

D[upont], P. R.

La culture du cocotier dans les îles madréporiques du groupe des Seychelles.

Bull. Dept. Agr. Seychelles 5: 1-3, 1925.

General notes on soils and coconut plantations in the coral islands near the Seychelles. Notes on coconut cultivation and mentions of water supply.

Coconut culture in the madreporic island[s] of the Seychelles archipelago.

Bull. Dept. Agr. Seychelles 6: 1-3, 1926.

General notes on soils, coconut cultivation and water supply in the coral islands near the Seychelles.

Seychelles guano deposits: in, Les réserves mondiales en phosphates.

14th Int. Geol. Congr. 2: 609-610, Madrid, 1928.

Mentions presence of guano on Denis and Astove.
GS: 443 In 8r.

L'archipel des Seychelles.

Trans. R. Soc. Sci. Mauritius Ser. C no. 3: 50-136, 1935.

Text of a talk given at the Society. Includes brief mentions of fauna and flora of the coral islands in the group, notes on presence of guano, on coconut plantations, coconut pests, etc.

Quelques notes descriptives

Rev. Agr. Maurice 89: 184-187; 90: 208-211, 1936; 94: 132-139, 1937.

Notes on Chagos, the Amirantes, Agaléga,

etc. including results of Gardiner's expeditions, but also original information on structure, fauna, etc.

Dwyer, R. E. P.

The diseases of coco-nuts (*Cocos nucifera*) in New Guinea.

N. Guinea Agr. Gaz. 3 (1): 28-93, 1937.

Includes, pp. 46-47, notes on a root disease reported by Crocker, in 1933 from the Mortlock Islands (probably Tauu Atoll).

Coco-nut improvement by seed selection and plant breeding.

N. Guinea Agr. Gaz. 4 (3): 24-102, 1938.

Includes information on coconuts produced on Matty Island, which are extremely small, and some mentions of Laccadive nuts. Extensive bibliography.

Edge-Partington, J.

The ethnography of Matty Island.

Jour. Anthropol. Inst. London 25: 288-295, 1896.

Discussion of Luschan's papers and description of various implements from Matty. A word about the island itself.

Edmondson, C. H.

Crustacea from Palmyra and Fanning Islands.

Bishop Mus. Bull. 5: 1-43, 1923.

Brief account of scientific exploration of both atolls, and systematic enumeration, including several shore and land species. *Ocypode*, *Cardisoma*, *Geograpsus*, *Coenobita*, *Birgus*, etc. Other atolls mentioned in records: Tuamotus, Farquhar, Marshalls, Funafuti, Washington; two views of the shore at Fanning.

Crustacea: in, Marine zoology of tropical central Pacific.

Bishop Mus. Bull. 27: 3-62, 1925.

Results of the Tanager expedition. Includes various land and shore crustacea from Wake, Johnston and the Hawaiian Atolls.

Edwards, E. and Hamilton, G.

Voyage of H. M. S. Pandora

1-177, London, 1915.

Diaries of voyage, with various references to atolls, including, pp. 46-48, an account of discovery and description of Nukumanu; map of voyage. LC:G440. E3.

Edwards, F. W.

Diptera, Tipulidae.

Trans. Linn. Soc. Zool. II, 15: 195-219, 1912.

Systematic account of collections of second Percy Sladen Expedition, records one crane-fly, *Syringomyia annulipes*, from Dennis, Seychelles.

Diptera Nematocera from the south Pacific collected by the 'St. George' Expedition, 1925.

Ann. Mag. Nat. Hist. IX, 20: 236-244, 1927.

Includes two mosquitoes from Fakarava, Tuamotus.

Eggleston, G. T.

Tahiti. Voyage through paradise.

1-252, N. Y., 1953.

Travel account. Includes mention of visits to Tubai and Mopelia atolls, with a little natural history information (notes on birds and turtles), sketch-maps and photographs. LC: DUB70. E37.

Egler, F. E.

Santalum ellipticum, a restatement of Gaudichaud's species.

Occ. Pap. Bishop Mus. 4: 349-357, 1930.

Reduces *S. cuneatum* var. *laysanense*, of Laysan, to *S. ellipticum*.

Ehrenberg, C. G.

Fungos a viro clarissimo Adalberto de Chamaes ... collectos. Hortae Physicae Berolinenses 77-104, Bonn, 1820.

Includes, p. 92, a list of fungi collected in Radak. NYBG.

Ehrhorn, E. M.

Caroline and Marshall insects.

Proc. Hawaiian Ent. Soc. 10: 190-191, 1930.

15 species of insects and a soil snake, *Typhlops braconius*, listed from Jaluit (McCall coll.).

Effenhart, O.

Acht Monate unter den Eingeborenen auf Ailu (Marshall-Gruppe).

Aus allen Weltt. 19: 207-208, 223-226, 250-253, 1888.

Account of the wreck of the "Corypheus" at Ailuk; the second part includes some notes on native food, especially magmog (*Tacca*).

Eilers, A.

Insela um Ponspe (Kapingamarangi, Nukunor, Ngatik, Mokil, Pingelap); in, G. Thilenius, Erg. Süds. Exp. II B & 1-464, 1934.

Monographic, treating geography, flora, fauna,

but emphasizing anthropology, with information on geology, climate, typhoons, water-supply, vegetation, economic plants and animals, agriculture, etc.; bibliography, photographs.

Eilers, A.

Westkarolinen; in, G. Thilenius, Erg. Süds. Exp. II B 9, 1: (Songoor, Pur, Merir): 1-405, 1935; 2: (Tobi, Nguta): 1-361, 1936.

Monographic, treating geography, flora, fauna, but emphasizing anthropology, with information on geology, climate, typhoons, water-supply, vegetation, economic plants and animals, agriculture, etc.; bibliography, photographs.

Elbert, S. H.

Kapingamarangi and Nukuoro word list, with notes on linguistic position, pronunciation and grammar. 1-82, [Pearl Harbor], 1946 (mimeographed).

Extensive vocabulary, with a list of plants, identified mostly by E. R. Fosberg.

Ulithi-English and English-Ulithi word lists, with notes on linguistic position, pronunciation and grammar.

1-90, [Pearl Harbor], 1947 (mimeographed).

Extensive vocabulary, including words for economic plants, animals, foods, etc.

Grammar and comparative study of the language of Kapingamarangi, texts, and word lists.

CIMA Rept. 3: 1-189 (mimeographed).

Contains a combined Kapingamarangi-Nukuoro vocabulary. LC: FL6283. K3 E5.

See also Eilers, A. et al., 1934.

Ellingren, E.

Die Pseudoscorpione des Berliner Museums.

Mitt. zool. Mus. Berlin 4: 355-423, 1899.

Enumeration, with extensive bibliography. Includes two species of *Chelifer* from Jaluit, pp. 369, 397.

Elliot, D. G.

On the fruit-pigeons of the genus *Ptilopus*.

Proc. Zool. Soc. London 36: 509-575, 1878.

Monographic; includes *Pt. carolinensis* from the Tuamotus, pp. 528-530.

Ellis, A. F.

Adventuring in coral seas.

1-264, Sydney, 1927 (edition 2).

Reminiscences of author's experiences on Pacific guano islands. Includes notes on vegetation, structure, soils, fauna, etc. of Hull, Baker, Howland, Canton, Sydney, and other Phoenix Is. Also Raine I. Many photos. LH: HD19. 6 E1 5.

Ellis, A. F.

Mid-Pacific outpost.
1-303, Auckland, 1946.

Mostly about Ocean and Nauru, their story during World War II, but with notes on Gilberts, Ellice, Phoenix, etc. (war destructions, present aspect, etc.) LC: DU767. 9 E4.

Ellis, R. H.

A short account of the Laccadive Islands and Minicoy.
1-123, Madras, 1924.

Includes information on climate, with mention of storms and their effects, geography, flora and fauna (much of this cited from Gardiner, 1901), history, material culture, agriculture. Chapter 6, Gazetteer, includes much information on each of the atolls, with sketch-maps of the main ones, and Minicoy. Population figures. LC: DS491. L3 E6.

Ellis, W.

Polynesian researches, during a residence of nearly eight years in the Society and Sandwich Islands.

2 vols., London, 1829; 4 vols., N. Y. 1831; second ed., 4 vols., London, 1842; new ed. enlarged and improved, 4 vols., London, 1859.

In 1859 ed., vol. 3: 303-308, brief, unimportant description of Tuamotus. LC: DU510. E46.

Elschner, C.

Corallogene Phosphat-Inseln Austral-Oceaniens. 1-[120], Lübeck, 1913.

Mostly about high islands, but includes information on central Pacific islands, Browse I., Lacedpede Is., Laysan, Clipperton and Surprise I., mainly summaries of occurrence of guano and phosphate, but including notes on geography, geology, and birds; some analyses of phosphates, speculations on process of formation of these; maps; one photographs of albatrosses on Laysan. LC: QE565. E6.

The Leeward Islands of the Hawaiian group.
1-68, Honolulu, 1915 (reprinted from Honolulu Advertiser 1915).

Detailed observations on many aspects of these islands, with emphasis on geology and guano-forming processes, but including vegetation, flora, fauna, etc. Much more important than would be expected in newspaper articles. LC: DU623. E52.

Elschner, C.

Beitrag zur Kenntnis der Koralleninseln des Stillen Ozeans.

Zeitschr. prakt. Geol. 31: 69-73, 1923.

General notes on phosphatization on atolls, with some analyses for Fanning, Laysan, Lisiansky, and Washington Islands.

Emery, C.

Formiciden; in, Ergebnisse einer Reise nach dem Pacific (Schaunland 1896-1897).

Zool. Jahrb. Syst. 12: 438-440, 1899.

Includes four species from Laysan, one a new subspecies.

Formicidae.

Nova Guinea 5: 531-539, 1911.

Lists *Plagiolepis longipes* from Mapia, p. 532.

Emery, K. O.

Submarine geology of Bikini Atoll.

Bull. Geol. Soc. Am. 59: 855-859, 1948.

Cited here for a large map of Eniwetok Atoll.

Beachrock.

Atoll Res. Bull. 17: 19, 1953.

Discussion of appearance, nature, occurrence, and possible origin of beach sandstone.

Emery, K. P.

Stone remains in the Society Islands.

Bishop Mus. Bull. 116: 1-182, 1933.

Includes, p. 122, sketch-map of Tetiaroa Atoll.

Tuamotuan stone structures.

Bishop Mus. Bull. 118: 1-78, 1934 a.

Archaeological, mentions that marae were often built in or near *Pisonia* groves. Mentions taro pit with walls faced with stones observed on Fagatau. Bibliography, photos, sketch-map of atolls.

Archeology of the Pacific Equatorial Islands.

Bishop Mus. Bull. 123: 1-43, 1934 b.

Contains incidental notes on the environment in the islands, especially Malden, a note on Starbuck, and some good photographs. Bibliography.

Emery, K. P.

Archaeology of Mangareva and neighboring atolls.
Bishop Mus. Bull. 163: 1-76, 1939.

Includes account of Timoe Atoll, with notes on vegetation, flora, birds, history, etc. Some notes on various atolls of the Tuamotus. Maps, photographs, bibliography.

South Sea lore.

Bishop Mus. Spec. Publ. 36: 1-79, 1944 (revised edition; first published, 1943).

Excellent survival manual, with much miscellaneous information on plants, animals, general conditions, and people, on Pacific atolls. LC: DU28. E56, 1944.

Tuamotuan bird names.

Jour. Polyn. Soc. 56: 188-196, 1947 a.

Contains all known Tuamotuan bird names, with English and scientific equivalents where available, with some names from other islands for comparison; brief notes on occurrence of the birds.

Tuamotuan plant names.

Jour. Polyn. Soc. 56: 266-277, 1947 b.

Contains all known Tuamotuan plant names, with botanical equivalents where known, also many names from other Pacific island groups for comparison.

The Kapingamarangi people.

CIMA Rept. 8: 1-276, 1948 (unpublished).

Mainly cultural and social anthropology, but with a good section on geography, with a treatment of the vegetation, plants with native names, birds, and other animals, by an observer with a wide atoll background; photographs and bibliography.

Investigation of material culture.

Atoll Res. Bull. 17: 122, 1953.

Brief statement of what should be recorded concerning use of material resources and techniques in native life.

Enderlein, G.

Embiidina und Neuroptera (Coniopterygidae und Hemerobiidae).

Trans. Linn. Soc. Zool. II, 14: 55-58, 1910.

Describes a new species, *Oligotoma scottiana*,

and records it from Cargados Carajos.

Enders, R. K.

Rats [of atolls].

Atoll Res. Bull. 1: 29, 1951.

Lines of investigation of rat problems on atolls suggested.

Endlicher, S. L.

Bemerkungen über die Flora der Südseeinseln.

Ann. Wien. Mus. Naturgesch. 1: 129-190, 1835.

A list of 1672 Polynesian species, including some from the Marshall Islands, and a few from atolls of the Tuamotus. Extensive bibliographical introduction.

Engler, A.

Die auf der Expedition S. M. S. "Gazelle" von Dr. Naumann in malayischen Gebiet gesammelten Siphonogamen (Phanerogamen).

Bot. Jahrb. 7: 444-480, 1886.

Includes, p. 464, *Euphorbia chamissonis*, from Radak.

Vorwort. Uebersicht. Siphonogamen (Phanerogamen). I-XVI, 1-49; in, Schleinitz, Die Forschungsreise S. M. S. "Gazelle".... vol. 4, Berlin, 1889.

Engler was editor of volume; in Uebersicht, summarizes botanical results of expedition with discussion of phytogeography and mention of several atoll species; in systematic treatment, records *Lepturus repens*, p. 13, *Suriana maritima*, p. 33, and *Tournefortia argentea*, p. 45, all from Lucipara.

Notizen über die Flora der Marshallinseln.

Notizbl. 1: 222-226, 1897.

Notes on flora and vegetation; annotated list of plants collected by Schwabe.

Engler, A. and Prantl, K.

Die natürlichen Pflanzenfamilien nebst ihren Gattungen und wichtigeren Arten insbesondere den Nutzpflanzen, unter Mitwirkung zahlreicher hervorragender Fachgelehrten.

Leipzig, 1887-1915.

Comprehensive synopsis of the plant kingdom, treating families and principal genera; fundamental to all systematic work; different families treated by various specialists, not separately listed here.

LC: QK97. E6.

Die natürlichen Pflanzenfamilien....

Leipzig, 1924-1942.

Second and enlarged edition of Engler and Prantl, 1887-1915; not yet completed. LC:QK97. E613.

Esneck, C. R.

The tropics, their resources, people and future. 1-465, London, 1915.

Chapter on Pacific islands gives brief notes on geography of various atolls, but is unimportant and unreliable. LC: G515. E5.

Erdland, A.

Die Marshall-Insulaner.

Anthropos Ethn. Bibl. 2; 1-376, 1914.

Detailed anthropological study, including a chapter on geography, with mention of vegetation, plants, climate, etc. Portions on material culture contain information on economic plants; mostly sociology, psychology, mythology, etc. Several photos, including one of typhoon damage.

Erdland, B. A.

South Sea sketches.

1-106, Boston, 1922.

Popular account of life in the Marshalls and other Pacific Islands, "where the writer spent ten laborious years." Includes some information on native foods. LC: DU710. E7.

Esaki, T.

Injurious insects to coconut palm in the Mandated South Sea Islands of Japan I. *Furcaspis oceanicus* Lindinger.

Oyô Kontyû 2; 1-13, 1939 a.

In Japanese, except for names of species and islands. Cites various atolls of the Carolines and Marshalls.

Injurious Arthropoda to man in Mandated South Sea Islands of Japan (first report).

Vol. Jub. Yoshida 1; 230-252, 1939 b.

In Japanese with species names in Roman type; bibliography. Includes some records from the Marshalls.

A preliminary report on the entomological survey of the Micronesian Islands under Japanese Mandate, with special reference to the insects of economic importance.

Proc. 6th Pac. Sci. Cong. 4; 407-415, 1940.

Brief general consideration of insect fauna of Micronesia, with a more detailed discussion and

enumeration of insects of economic and medical importance, including a number found in atolls of Carolines and Marshalls.

Esaki, T.

[Our South Sea insects].

Bull. Takarazuka Insect. 1 (revised); 1-10, 1941.

Lists number of species from various insect groups, mentioning some by name, from Micronesia, including Marshall Islands. Abstract, original not seen.

Esaki, T., and Matsuda, R.

Hemiptera Micronesica III.

Mushi 22 (13); 73-86, 1951.

Includes a species from Jaluit.

Esen-Petersen, P.

Neuroptera: Chrysopidae of the Seychelles and adjacent islands.

Ann. Mag. Nat. Hist. IX, 19; 445-455, 1927.

Systematic account of collections of Percy Sladen Expeditions, including species from Dennis I., Amirantes, Chagos, etc.

Check list of Neuroptera Planipennia of Oceania. Occ. Pap. Bishop Mus. 13; 49-60, 1937.

Lists several species of *Chrysopa* from Pacific atolls, bibliography.

Escher, B. G.

Atollen in den Nederlandsch Oost-Indischen Archipel. Med. Encyclop. Bur. 22; 1-17, 1920.

Marine geology; provides data to determine status of certain reefs and low islands in the Toekang-Beal Islands.

Eschscholtz, F.

Description of new foreign butterflies; in, Kotzebue, A voyage of discovery . . . 3; 365-402, 1821.

Includes, p. 379, *Apatura rarick*, from the coral islands of Radack. Two other papers in vol. 3 appear to be by Eschscholtz: "General information", pp. 321-330, with a word on Penrhyn mentioning uses of coconut palm and nuts, and "On the coral islands", pp. 331-336, with discussion of origin, and descriptive notes, including flora.

Review of the zoological collection; in, Kotzebue, A new voyage . . . 2; 325-362, 1830.

Includes, pp. 340-341, notes on animals collected on Wotje.

Evans, H.

Men in the tropics.

1-380, London, Edinburgh, Glasgow, 1949.

A book of quotations from other authors; section on Pacific Islands has some good description but very little solid information; claims to consider the Gilbert and Ellice Islands, but does so very incidentally, in a geographical and anthropological way. LC: G515. E9.

Ewing, H. E.

Ectoparasites of some Polynesian and Malaysian rats of the genus *Rattus*.

Bishop Mus. Bull. 14: 7-11, 1924.

Mentions *Laelaps echidninus*, and *L. Hawaiianis* n. sp., found on *Rattus* sp., on Rose I.; *Hoplopleura pacifica*, n. sp., occurring on Fanning and Rose islands, according to introduction and map. Brief note on distribution of parasites and hosts.

Fairbridge, R. W.

Notes on the geomorphology of the Pelsart Group of the Howman's Abrolhos Islands.

Jour. R. Soc. West. Austr. 33: 1-43, 1948.

Important account of geological features including surface topography of some of the islets of Pelsart group, with observations on marine geological processes and sea-level correlations of general interest; map of group and of several individual islets; several photos.

Landslide patterns on oceanic volcanoes and atolls.
Geogr. Jour. 115: 84-88, 1950 a.

Compares the shape of oceanic volcanoes with that of atolls, especially Bikini.

Recent and Pleistocene coral reefs of Australia.
Jour. Geol. 58: 336-401, 1950 b.

Comprehensive discussion of all coral reefs and islands of Australia, with some information on the land geology of the islands and data of importance in determining which are atolls; maps, photographs, extensive bibliography.

Falls, R. A.

Review of the smaller Pacific forms of *Pterodroma* and *Cookilaria*.

Emu 42: 111-118, 1942.

Includes *Pterodroma hypoleuca hypoleuca* (Salvin) recorded from Laysan, Midway and Ocean (Kure), p. 116.

Fanning, E.

Voyages around the world; with selected sketches of voyages to the South Seas

1-499, N. Y., 1833.

On pp. 219-228 is an account of the discovery of Fanning and Washington Islands, with description, including the fact that there were coconut trees there at time of discovery. LC: G440. F3, 1833.

Voyages and discoveries in the South Seas.

1-335, Salem, 1924.

Later edition, with addition of another introduction and many fine plates, of Fanning, 1833, published by the Marine Research Society. LC: G440. F3, 1924.

Fanning, R. J.

Pacific Islands nutrition bibliography.

1-79, Honolulu, 1951.

Lists and annotates some papers dealing with nutrition and the use of natural products on Micronesian atolls.

Farner, D. S.

Arthropod-borne diseases in Micronesia.

U. S. Naval Med. Bull. 43: 977-989, 1944.

Discusses occurrence of various mosquitoes, lice, mites, and absence of most kinds of fleas, in Micronesia, including various atolls, with their disease relationships; bibliography, maps.

A new species of *Aedes* from the Caroline Islands.
(Diptera, Culicidae).

Proc. Biol. Sec. Washington 58: 59-62, 1945.

Aedes (Stegomyia) hamilli described from Ulithi.

The distribution of mosquitoes of medical importance in the Pacific area.

1-64, Washington, 1946 (NAVMED 883).

Discusses systematics, distribution, medical importance, and ecology of some forms which occur in Pacific atolls; distribution maps. LC: QL536. U5, 1946. Folio.

Farner, D. S., and Bohart, R. M.

A preliminary revision of the *Scutellaris* group of the genus *Aedes*.

U. S. Naval Med. Bull. 44: 37-53, 1945.

Systematic and ecological, records mosquitoes from Tuamotu, Ellice, Marshall, and Sihanian atolls; bibliography.

- Farner, D. S. and Katsampes, C. P.
Tsutsugamushi disease.
U. S. Naval Med. Bull. 43: 890-836, 1944.
Discussion of disease and its geographic distribution. Some probable cases reported from the Maldives. Bibliography.
- Fautin, R. W.
Some observations of the birds of Canton Island.
Bull. Ecol. Soc. Am. 33: 37, 1952.
Abstract of a paper to be read at a meeting; includes enumeration of species.
- Fauvel, A. A.
Unpublished documents on the history of the Seychelles Islands anterior to 1810....
1-417, 1-5, Mahé, Seychelles, 1909.
Includes some information on the low islands of the group, especially Amirantes. The volume includes a list of maps, and a bibliography. LC: DT469. S4 F3.
- Feeney, T. J.
Letters from Likiep.
1-259, N. Y., 1952.
Collection of letters from a missionary in the Marshall Islands. Mainly comment on religious matters, but with a scattering of information, not always too accurate, on the islands; appendix with native uses of plants, etc. LC: BV3689. L52 F4.
- Fennell, C.
[Notes on a trip to Korea].
Elepaio 8: 37-40, 1948.
Mentions birds on Johnston Island.
- Ferdinand-Lop, S.
Les possessions françaises du Pacifique.
1-147, Paris, 1933.
Contains a slight amount of geographical information on the Tuamotus. LC: HC685. F4.
- Ferguson, E. W.
Tabanidae of the Samoa Islands.
Bull. Ent. Res. 17: 315-316, 1927.
Discusses "Sidney Island," locality of *Tabanus sydneyensis* and *T. nigriventris* Macquart, and usually believed to be the one in Phoenix group; considers this to be erroneous, and the species to be probably Australian.
- Ferris, G. F.
New species and other records of Mallophaga from the Marquesas.
Bishop Mus. Bull. 96: 53-72, 1932 a.
Includes mentions of specimens from Laysan and Clipperton.
- Ferris, G. F.
Mallophaga from Tahiti.
Bishop Mus. Bull. 113: 7-12, 1932 b.
Designates, pp. 7-8, a specimen from Clipperton as type of *Actornithophilus milleri* (Kellogg and Kuwana), from *Anous stolidus*.
- Field, R. M.
Investigations regarding the calcium carbonate oozes at Tortugas, and the beach-rock at Loggerhead Key.
Carnegie Inst. Yearb. 18: 197-198, 1919.
Contains some early observations of the behavior of fresh water lenses in atoll islets and speculations on the effect of water from these lenses in cementing beach-rock.
- Fiji, Legislative Council.
Medical Department. Annual Report.
Fiji Leg. Pap. 1909-1953.
Some of these reports include incidental mentions of Gilbert and Ellice Islands.
- Findlay, A. G.
A directory for the navigation of the Pacific Ocean....
2 parts, 1-1388, London, 1851.
A compendium of geographic and bibliographic information on the Pacific, including, in part II, a list of all the islands then known in the Pacific (except those adjacent to continental shores, which are in part I), with synonymy and short descriptions, including information on topography, water supply and vegetation, in addition to hydrography. Progenitor of the various Sailing Directions and Pilots published by hydrographic offices, but with much fuller detail, especially bibliographic. Section on winds, tides, currents, etc., with pp. 1207-1220 on hurricanes. LC: VK915. F49.
- A directory for the navigation of the north Pacific Ocean. Second edition.
1-1007, London, 1870.
Section III, pp. 689-906, summarizes the available geographic data on the island groups north of the equator (including the Gilberts), treating also climate, water, products, people, etc. Maps. GS: 504. F49 d i.
- A directory for the navigation of the south Pacific Ocean Third edition.
1-966, London, [1875] (Title page dated "1871 with additions to 1874", actually published 1875).

Edition 2 (not seen) is a revision of the part of Findlay 1851 applying to the Pacific south of the equator, omitting bibliographical references from that work but adding those found or appearing since. Edition 3 is the same with addition of a supplement, pp. 1-20, of material from 1871 to 1874, dated Jan. 1875. For annotation of contents, see Findlay 1851. Section on hurricanes, pp. 839-842. LC: VK915. F49, 1871.

Findlay, A. G.

A directory for the navigation of the Indian Ocean....

1-1304, London, 1882 (edition 4).

1-169, 1-1304, London, 1897 (edition 4 with addenda).

First published 1866, first three editions not seen. A work corresponding to Findlay 1851, but for the Indian Ocean. Section on hurricanes, pp. 65-75. LC: VK885. F5, 1882; VK885. F5, 1897.

Finsch, O.

Die Papagelen.

1: 1-561, 1867; 2: 1-996, Leiden, 1868.

Monographic; vol. 2, p. 751, includes mention of a specimen of *Domicella kuhli* from Fanning Island. Smi. Bird Div.

Die Vögel der Palau-Gruppe.

Jour. Mus. Godeffroy 3: 133-183, 1875.

Description of birds collected in Palau. On pp. 136-138, tables listing Palau species and indicating distribution on other islands including several atolls.

Ueber neue und weniger gekannte Vögel von den Viti-, Samoa-, und Carolinen-Inseln.

Jour. Mus. Godeffroy 5 (12): 1-42, 1876.

Includes records from various Pacific atolls.

Ornithological letters from the Pacific.

Ibis IV, 4: (no. 2) 218-220, (no. 3) 329-333, (no. 4) 429-434, 1880; IV, 5: (no. 5 and 6) 102-115, 1881.

Account of Finsch's trip through the Pacific, with description of birds observed or collected in Marshall and Gilbert Islands. No. 5 and 6 concern Kusaie and Ponape, but on p. 104, mention *Eudynamis taitensis*, from Woleai, Gilberts and Marshalls. Other letters concern only high islands.

Ueber seine in den Jahren 1879 bis 1882 unter-

nommenen Reisen in der Südsee.

Verhandl. Ges. Erdk. Berlin 9: 553-564, 1882.

General descriptive notes on voyages including visits to the Marshall and Gilbert Islands. Some other atolls mentioned but not described, e. g. Ontong Java.

Finsch, O.

On a new reed-warbler from the island of Nawodo or Pleasant Island, in the western Pacific.

Ibis V, 1: 142-144, 1883.

Includes mention of Marshall and Gilbert groups "where ... no land-bird exists at all."

Ueber Vögel der Südsee.

Mitt. ornith. Ver. Wien 8: 54-55, 75-76, 92-95, 108-111, 120-127, 1884.

Notes on birds collected by Finsch in Pacific Islands; last issue includes birds from Marshalls and Gilberts, pp. 125-127.

Ueber Naturprodukte der westlichen Südsee besonders der deutschen Schutzgebiete.

D. Kolon. Zeit. 4: 519-530, 543-551, 593-596, 1887 a.

Description and discussion of a number of economic products from the German Pacific colonies, most of them plant products, and several from atolls (Gilberts, Marshalls, Carolines). Especially detailed discussion of uses and by-products of coconut. The author visited the islands in 1884 and 1885.

Ein Besuch auf Diego Garcia im Indischen Ozean.

D. Geogr. Bl. 10: 30-42, 1887 b.

General description, with notes on vegetation, flora (especially economic plants) and fauna. Author visited the atoll in 1884. Sketch map.

Canoes und Canoebau in den Marshall-Inseln.

Verhandl. Berl. Ges. Anthrop. 1887: 22-29, 1887 c.

Description of Marshallese canoes, their construction, performance, etc. Information on plant material used in building and outfitting them, bird feathers used in decoration, etc., with native names for materials and canoe parts.

Ethnologische Erfahrungen und Belegstücke aus der Südsee. Dritte Abtheilung: Mikronesien (West-Oceanien).

Ann. Naturhist. Mus. Wien 8: 1-106, 119-275, 295-437, 1893.

Includes notes on foods and material culture involving plants, in atolls of Marshall, Gilbert and Caroline groups. The earlier parts of this paper appertain to New Guinea and the Bismarck Archipelago.

Finsch, O.

Systematische Uebersicht der Ergebnisse seiner Reisen und schifftellerischen Thätigkeit.
1-153, Berlin, 1899.

List of author's scientific voyages, and annotated list of his papers describing their results; he visited and wrote about many atolls. LC: Z8297. 7 F51.

Carolinen und Marianen.

Sammlung gemeinverständlicher wissenschaftlicher Vorträge n. s. 14: 651-710, Hamburg, 1900 a (reprinted as a separate 1-60).

Monograph summing up information from various sources besides author's experience. Mostly general but with some reference to individual Caroline atolls (notes on geography, fauna, flora, foods), and incidental mentions of Marshall atolls. LC: DU563. F5.

Südseearbeiten.

1-605, Hamburg, 1914 (published as vol. 14 of *Abhandlungen des Hamburgischen Kolonialinstituts*).

A study of material culture, trading, etc. in islands of the Pacific. Includes much information on foods and material culture involving plants, in various atolls or atoll groups. LC: GN663. F5.

Finsch, O. and Hartlaub, G.

Beitrag zur Fauna Centralpolynesiens. Ornithologie der Viti-, Samoa-, und Tonga-Inseln.
1-290, Halle, 1867.

Monograph, including a number of new species; many atolls cited as habitat for various species (Phoenix, Tuamotu, Caroline Islands). LC: QL694. A1 F5.

Fischer, J. G.

Herpetologische Bemerkungen.
Arch. Naturg. 48 (1): 273-302, 1882.

Includes a new lizard from Greenwich I. (Kapingamarangi) in the collection of the Godeffroy Museum.

Fisher, H. I.

The type localities of *Puffinus pacificus cuneatus* Salvin and *Pterodroma leucoptera hypoleuca*

(Salvin).

Auk 63: 587-588, 1946.

Discusses the locality Krusenstern Islands and concludes that the type locality is probably Alluk in the Marshalls, and should be cited rather than Krusenstern, in the literature (see Salvin, 1888, and Murphy, R. C., 1951).

Fisher, H. I.

Bibliography of Hawaiian birds since 1890.

Auk 64: 78-97, 1947 a.

A list of 422 titles, some briefly annotated, many of which refer to birds from the Hawaiian atolls.

Utinomi's Bibliographica Micronesica: Chordate sections.

Pac. Sci. 1: 129-150, 1947 b.

Contains translation of preface and explanatory notes, as well as reproduction of the sections on Chordata with all material in Japanese characters translated. Many of the items cited contain material on the fauna of atolls. See Utinomi, 1944, 1952.

Interbreeding of Laysan and black-footed albatrosses.
Pac. Sci. 2 (2): 132, 1948.

Mixed pairs observed on Midway, together with apparent hybrids.

Populations of birds on Midway and the man-made factors affecting them.

Pac. Sci. 3: 103-110, 1949.

Extensive observations on the ecology of the island and the effects of war activities on the birds. Bibliography.

Fisher, H. I. and Baldwin, P. H.

A recent trip to Midway Islands, Pacific Ocean.
Elepaio 6: 11-13, 1945.

Valuable ecological observations on birds.

War and the birds of Midway Atoll.

Condor 48: 3-15, 1946.

Description of bird population in May 1945, with notes on ecology and reasons for population changes during the war.

Fisher, W. K.

Birds of Laysan and the Leeward Islands.

Bull. U. S. Fish. Comm. 23: 769-807, 1903 a.

Detailed systematic and ecological account of the birds, with notes on geography and vegetation.

list of plants, many excellent photographs.

Fisher, W. K.

Notes on the birds peculiar to Laysan Island, Hawaiian group.

Auk 20: 384-397, 1903 b.

Abridged from Fisher, 1903 a.

On the habits of the Laysan albatross.

Auk 21: 8-20, 1904 a.

Abridged from Fisher, 1903 a; copiously illustrated.

Three boobies interviewed.

Condor 6: 89-94, 1904 b.

Notes on three species of *Sula* on Laysan, with photos.

Fittboegen, J.

Ueber Malden Guano.

Ann. Landw. Wochenbl. 12: 310, 1872.

Analysis of guano sample from Malden.

Fletcher, T. B.

The Orneodidae and Pterophoridae of the Seychelles Expedition.

Trans. Linn. Soc. Zool. II, 13: 397-403, 1910 a.

Two species recorded from various atolls and from Bird and Dennis Islands, Seychelles.

Lepidoptera, exclusive of the Tortricidae and Tineidae, with some remarks on their distribution and means of dispersal amongst the islands of the Indian Ocean.

Trans. Linn. Soc. Zool. II, 13: 265-323, 1910 b.

Systematic and zoogeographic account of the Percy Sladen expedition collections, with records from atolls of western Indian Ocean, and statements of distribution including atolls in all parts of the Pacific and Indian Oceans. Bibliography.

Fleury, T.

L'île Clipperton.

Bull. Soc. Géogr. Comm. Bordeaux 31: 245-247, 1908.

Description of the island, noting absence of vegetation and abundance of birds (guano on the island).

Fleutiaux, E.

Coleoptera: Melasidae et Elateridae des Séchelles et des îles voisines.

Trans. Ent. Soc. London 1922: 398-436, 1923.

Various species reported from Amirantes, Farquhar, Chagos, and Dennis, Seychelles, based on collections of Percy Sladen expeditions.

Flinders, M.

A voyage to Terra australis.

2 vols. and atlas of maps and drawings, London, 1814.

Journal of voyage of the Investigator, circumnavigating Australia. Little information on atolls, except for description of Wreck Reef and Bird Island, and Cates Bank in vol. 2, pp. 339 et seq. NYPL.

Follansbee, W.

Typhoon "Olive".

1-17, [Wake?], [1952?].

Informal report, reproduced by hectograph, on the typhoon which wrecked Wake Island in Sept. 1952. Vivid account of the work of the weather forecasters and conditions on the island during the typhoon.

Forbes, H. O.

Notes on the Cocos or Keeling Islands.

Proc. R. Geogr. Soc. 1: 777-784, 1879.

Describes changes in the island since Darwin's visit, with particular attention to the effect of several hurricanes.

A naturalist's wanderings in the Eastern Archipelago. 1-536, N. Y., 1885.

Includes, pp. 13-47, account of visit to Cocos-Keeling Islands, with description, notes on plants, insects and other animals, effect of cyclones (said to have added to the insect fauna), etc. Pp. 42-47, lists of plants, birds and corals. On p. 299, mentions Gestir "a mere horseshoe-shaped, coconut-fringed coral atoll." LC: D5619.F00.

Forel, A.

Fourmis des Seychelles, Amirantes, Farquhar et Chagos.

Trans. Linn. Soc. Zool. II, 12: 91-94, 1907.

Systematic account of collections of the Percy Sladen expedition.

Fourmis des Seychelles et des Aldabras, roques de M. Hugh Scott.

Trans. Linn. Soc. Zool. II, 15: 159-167, 1912.

Systematic, three species of ants recorded from Bird and Dennis, Seychelles, and from Chagos and Cargados Carajos.

Forrest, T.

A voyage to New Guinea and the Moluccas
1-411, London, 1789 (edition 2).

Account of exploring voyage, with, pp. 155-158, a description of Pulo Syang and Pulo Eye, mentioning water supply and plants; maps. LC: D6601.F73.

Forster, G.

A voyage round the world ... during the years
1772, 3, 4, and 5.

1: 1-602, 2: 1-607, London, 1777.

Forster was one of the botanists on Cook's second voyage. Account includes mentions of various atolls; several Tuamotus were seen, or visited on two occasions, Hervey I. (vol. 1:421) and Palmerston (vol. 2: 162) were discovered. Brief descriptions of these; more detailed account of Teoukea (Takarua), mentioning vegetation, plants, soil, dogs, etc. (vol. 2: 38-46). Vol. 2: 161, incidental mention of Mopehah (Mopelia). LC: G420.C68 F7.

Florulae insularum australium prodromus.
1-103, Gottingen, 1786.

The first general flora of the islands of the south Pacific, very synoptic, no atolls mentioned by name, but basic to all work on the floras of Pacific islands. Based principally on collections made by the author on Cook's second voyage. LC: QK471.F7.

Forster, J. R.

Observations made during a voyage round the world

1-649, London, 1778.

General discussion of natural history, anthropology, philosophy, containing, pp. 14-15, 148, 151, 161, some of the earliest observations on coral islands, brief but rather accurate; on p. 14, is a list of low islands known to Forster. Author was naturalist on Cook's second voyage. LC: Q157.F73.

Descriptiones animalium

1-424, Berlin, 1844 (Lichenstein, H., ed.)

Contains an abbreviated running account of Capt. Cook's second voyage, with brief descriptions of islands, animals observed, a few plants, detailed descriptions of animals collected; includes, pp. 245-248, short accounts of Teoukea or Teoutea (Takarua) and an unnamed atoll (in Society Is. ?), and at least one bird, *Strix bakhamma*, recorded from an atoll (Tupai), p. 157.

LC: QL5.F8.

Fosberg, F. R.

Vegetation of Vostok Island, central Pacific.

Bishop Mus. Spec. Pub. 30: 19, 1937 a.

Brief note, based largely on information and specimens from W. G. Anderson.

Some Rubiaceae of southeastern Polynesia.

Occ. Pap. Bishop Mus. 13: 245-293, 1937 b.

Taxonomic. Various species recorded from many Pacific atolls.

Notes on Polynesian grasses.

Occ. Pap. Bishop Mus. 15: 37-48, 1939.

Remarks on *Eragrostis* and *Digitaria* from Tuamotuan, central Pacific, and Hawaiian atolls.

See Skottaberg, 1940.

Notes on plants of the Pacific Islands -- III.

Bull. Torrey Bot. Club. 70: 387-397, 1943 a.

Contains, p. 397, a short list of plants newly recorded from Christmas I.

The Polynesian species of *Hedyotis* (Rubiaceae).

Bishop Mus. Bull. 174: 1-94, 1943 b.

Discusses *H. romanzoffiensis* from atolls of Tuamotus and central Pacific.

Botanical report on Micronesia.

U. S. Commercial Company Economic Survey of Micronesia 13-1 (I and II): 1-349, figs. 1-447, 1946 [1947 a] (unpublished; actual date of completion, Feb. 1947).

Contains a description of atoll vegetation and information on economic plants. Bibliography.

Micronesian mangroves.

Jour. N. Y. Bot. Gard. 48: 128-138, 1947 b.

Describes mangrove formation and records several species from Marshall Islands.

Salinity and atoll vegetation.

Proc. Haw. Acad. Sci. 23: 8, 1948.

Brief discussion of the relation between atoll vegetation types and salinity, the behavior of introduced plants under atoll conditions, and the

specialized type of agriculture that has developed on atolls.

Fosberg, F. R.

Atoll vegetation and salinity.

Pac. Sci. 3: 89-92, 1949 a.

Concerns the distribution of vegetation with reference to salinity of ground water. General but based largely on observations on Micronesian atolls.

Flora of Johnston Island, central Pacific.

Pac. Sci. 3: 338-339, 1949 b.

Enumeration of 27 species, collected in 1946.

Notes on Micronesian Pteridophyta.

Am. Fern Jour. 40: 132-147, 1950 a.

Records *Trichomanes minutum*, *Ptilotum complanatum*, and *P. nudum* from Nukunoro.

Translations of Japanese botanical papers.

Pac. Sci. 4: 375, 1950 b.

Announcement of availability, in Library of Congress, U. S. Department of Agriculture, and Bishop Museum, of copies of translations of 18 papers dealing with Micronesian botany, including some on atolls.

Ecological research on coral atolls.

Atoll Res. Bull. 1: 6-8, 1951 a.

Points out suitability of atolls for basic ecological research and makes suggestions as to direction such research might take.

Flora and vegetation of coral atolls.

Atoll Res. Bull. 1: 13-14, 1951 b.

Brief summary of present state of knowledge and most immediate needs for research.

Land ecology of coral atolls.

Atoll Res. Bull. 2: 7-11, 1951 c.

Outlines a hypothetical course of development of atoll biota and environment.

Literature on coral atolls.

Atoll Res. Bull. 1: 23-26, 1951 d.

Discusses problems encountered and procedures followed in bringing together the recorded infor-

mation on the land ecology of atolls.

[Fosberg, F. R.]

Reconnaissance survey of atolls in northern Marshall Islands.

Pac. Sci. Ass. Inf. Bull. RS/52/1: 2, 1952.

Brief announcement of the U. S. Geological Survey expedition of 1951.

Directions for studying vegetation and flora.

Atoll Res. Bull. 17: 44-56, 1953 a.

Description of generalized vegetation pattern with suggestions for needed observations, methods of collecting and preserving specimens, suggestions for study of variations of economic plants, and list of equipment needed.

La flora de los atolones de Oceanía.

Rev. Geogr. Chile 9: 39-42, 1953 b.

Unauthorized translation of Fosberg, 1949 a.

Report of the implementation of the botanical resolutions passed at the various Pacific Science Congresses.

Pac. Sci. Ass. Inf. Bull. PS/53/7: 8-12, 1953 c.

Includes information on botanical exploration of various atolls.

Vegetation, agriculture and soils of atolls.

Eighth Pac. Sci. Congr. Abstr. 113-114, 1953 d.

Abstract of paper prepared for symposium, very general summary of subject, based mostly on observations on Marshall Islands.

Vegetation of central Pacific atolls, a brief summary.

Atoll Res. Bull. 23: 1-26, 1953 e.

Summary of available information, with suggestions for further studies. Bibliography.

Fosberg, F. R. and Sacht, M. -H. eds.

Handbook for atoll research (preliminary trial edition).

1-[106], [Washington], 1951 (mimeographed by Pacific Science Board).

See next entry.

Handbook for atoll research (second preliminary edition).

- Atoll Res. Bull. 17: 1-129, 1953.
Background material and descriptions of methods and techniques for study and collection of information pertinent to the general ecology of coral atolls. By various authors listed separately here.
- Fosberg, F. R. and St. John, H.
Végétation et flore de l'atoll Maria, îles Australes. Rev. Sci. Bomb. 1951; 1-7, 1952.
Brief description of atoll and its vegetation, based on author's observations in 1934. Annotated enumeration of plants collected.
- Fraser, F. C.
The Odonata of Mauritius, suborder Anisoptera, and the description of a new species of Zygoptera. Proc. Ent. Soc. London B. 19: 70-77, 1950.
Mentions *Zyxomma petiolatum*, from the Laccadives.
- Frauenfeld, G.
Reise von Shanghai bis Sydney auf der k. k. Fregatte Novara. Verhandl. zool.-bot. Ges. Wien 9: 375-382, 1859.
Includes account of visit to Sikayana, with description of the atoll, a word on vegetation and plants, notes on animals. Reprint in LC: Q115. N8983.
- Freeman, O. W. ed.
Geography of the Pacific. 1-573, N. Y., 1951.
Comprehensive geographic treatment of the Pacific island groups, the various chapters written by different authors, listed separately here as far as they include atolls. LC: DU29. F75.
- Geographic setting of the Pacific: in, Freeman, Geography of the Pacific, 1-43, 1951.
Pp. 26-31 deal with atolls from a general point of view; photographs; bibliography.
- Eastern Polynesia: in, Freeman, Geography of the Pacific, 264-293, 1951.
Gives a short geographic account, emphasizing economic plants, of the Tuamotus; map, photograph, brief note on effects of hurricanes.
- Hawaii and American island outposts: in, Freeman, Geography of the Pacific, 328-363, 1951.
- Contains very brief geographic accounts of Hawaiian atolls, Johnston, Wake, and Marcus.
- Freycinet, L. de
Navigation et Hydrographie. Première partie: in, Voyage autour du monde... sur les corvettes de S. M. L'Uranie et la Physicienne... 1817... 1820....
1-733, atlas, 22 plates, Paris, 1826.
Includes, pp. 187-189, a few observations on the Carolines; pp. 249-251, brief description of Pukapuka (Danger Is.) and Rose atoll (discovered and named on this voyage). None of these were landed on. Plate 19 of atlas has chart and engraving of landfall of Rose. LC: Q115. F89.
- Historique: in, Voyage autour du monde... l'Uranie et la Physicienne....
1: 1-734, 1827-1828; 2: 1-1470, Paris, 1829-1839.
The second tome includes some information on the Caroline atolls, although none were landed upon; p. 264, account of the discovery of Rose Island. Paris Mus.
- Frick, K. E.
Four new Hawaiian Liriomyza species and notes on other Hawaiian Agromyzidae (Diptera). Proc. Hawaiian Ent. Soc. 14: 509-518, 1952.
Mentions, p. 515, *Ophiomyia* sp. from Canton I. with *Agromyza* sp. of Van Zwaluwenburg as synonym.
- Friederichs, K.
Check list of the Embiidae (Embioptera) of Oceania. Occ. Pap. Bishop Mus. 11 (7): 1-4, 1936.
Oligotoma insularis reported from Laysan and, doubtfully, from the Phoenix Islands.
- Friederici, G.
Ein Beitrag zur Kenntnis der Tuamotu-Inseln. Mitt. Ver. Erdk. Leipzig 1910: 97-176, 1911.
Group visited in 1909; includes scattered description of several of the atolls, mentions of vegetation, animals, climate, etc. Besides author's own observations, extensive compilation of previous works, each reference carefully acknowledged. Maps of several atolls, especially one of Niau, which it described in some detail.
- Fries, E. [M.]
Systema mycologicum....
3 volumes and supplements, 1821-1832.
1: 1-520, 1821; 2: 1-620, Lund, 1822-1823. (1-274; 1822; 275-620, 1823).

Vols. 1 and 2 contain revisions of the fungi collected by Chamisso and studied by Ehrenberg (Ehrenberg, 1820), from the Marshalls. LC: QK603. F9.

Frisbie, F.

Miss Ulysses from Puka-Puka.
1-241, N. Y., 1948.

Popular informal account of life on Puka-Puka, Suvarov, and other central Pacific atolls by a child, native of Puka-Puka; good account of hurricane, etc. LC: DU430. P8 F6715.

Frisbie, R. D.

At home in Puka-Puka
Atl. Mo. 142; 1-12, 1928.

Essay describing life on an atoll, with some useful information on geography and general surroundings.

The book of Puka-Puka.
1-356, N. Y., 1929 a.

Collection of essays on the author's life in the in the Danger Islands, with incidental description. LC: DU430. D3 F7.

Mrs. Turtle lays her eggs.
Atl. Mo. 143; 462-466, 1929 b.

Description of a turtle on Puka-Puka.

South Sea fairylands.
Atl. Mo. 146; 190-202, 1930.

Concerns Manihiki and Penrhyn, with some description of the latter.

A copra island.
Atl. Mo. 150; 192-200, 1932.

Description of Manuae, popular, but with some facts of scientific interest.

Uninhabited island.
Atl. Mo. 156; 534-541, 1935.

Account of a visit to an unidentified Pacific atoll, (probably Suvarov) with general description, mentioning trees and animals.

Cockroach schooner.
Atl. Mo. 159; 10-19, 1937.

Popular, contains short description of Fakaofu Atoll.

Frisbie, R. D.

The island of Desire.
1-234, Garden City, N. Y., 1944.

Popular but informative account of life on Puka-Puka and Suvarov atolls by a trader and author who lived there many years; account of hurricane on Suvarov; map. LC: DU430. P8 F72.

Fritz, G.

Eine Reise nach Palau, Sonsol und Tobi.
D. Kolonialbl. 18; 659-668, 1907.

Descriptive notes on Sonsol, Merir, Pulo-Anna and Tobi, with mentions of food plants, and incidental mentions of effects of typhoons.

Froberville, E. de

Rodrigues, Galéga, les Seychelles, les Almirantes, etc. : in, D'Arveac, Iles de l'Afrique, 3rd. part: 65-179, Paris, 1848.

Includes historical and geographical information on the coral islands of the southwestern Indian Ocean, Cargados Carajos, Tromelin, Agalega, Coetivi, the low Seychelles, Amirantes, Cosmoledo, Astove. Some mentions of plants and animals for some of the islands. LC: D20. U58, vol. 16.

Froggatt, W. W.

Pests and diseases of the coconut palm.
1-63, Sydney, 1914 (Dept. of Agriculture, New South Wales, Science Bulletin No. 2. Third edition revised and enlarged).

Comprehensive treatment of insects and other animals, as well as fungi, that attack coconut. Mentions a few atoll occurrences incidentally, but very important in view of place of coconut in atoll economy; bibliography. LC: SB608. C58F7.

Frohawk, F. W.

Description of a new species of rail from Laysan.
Ann. Mag. Nat. Hist. VI, 9; 247-249, 1892.
Porzana palmeri, n. sp.

Froment-Guleyesse, G.

L'archipel des Tuamotou.
Océan. Franç. 10; 68-75, 1914.

General information on the islands, geography, economy, climate; brief descriptions of some of the atolls.

Fruhstorfer, H.

Neue Hypolimnas und Uebersicht der bekannten Arten.

Berlin. Ent. Zeitschr. 48; 73-87, 1903.

Includes several races of *H. bolina* from Micronesian atolls.

Fruhstorfer, H.

See also Seitz, A., 1927.

Fryer, J. C. F.

Bird and Dennis Islands, Seychelles.

Trans. Linn. Soc. Zool. II, 14: 15-20, 1910 a.

Careful description of the geology, soil, vegetation, flora, fauna, and ecology of these, the only two low coral islands in the group. Excellent photographs.

The south-west Indian Ocean.

Geogr. Jour. 36: 249-271, 1910 b.

Mainly an account of the raised atolls, Aldabra, etc., but with some information on Farquhar, mainly geographical. In the discussion is an interesting suggestion (by Gardiner) on the effects of high phosphorus content in soil on plant distribution.

The structure and formation of Aldabra and neighbouring islands--with notes on their fauna and flora.

Trans. Linn. Soc. Zool. II, 14: 397-442, 1911.

These are all slightly elevated atolls except Farquhar and Providence, which are ordinary low atolls. This topographic and geological study, with photographs, aids in determining the status of these islands. Vegetation described, many plants and animals recorded; maps.

The Lepidoptera of Seychelles and Aldabra, exclusive of the Orneodidae and Pterophoridae and of the Tortricina and Timina.

Trans. Linn. Soc. Zool. II, 15: 1-28, 1912.

Systematic account of collections of second Percy Sladen expedition, including records from Farquhar, Bird and Dennis Islands, also Hymenoptychis sordida from the Marshall and Ellice Islands.

Fulbeck, J.

Monitors in the Marshalls.

Fauna 9: 122-124, 1947.

Popular article on author's experiences with lizards on Majuro and Aur atolls, including an account of *Varanus indicus* captured on Aur, with notes on its habits and food; photographs.

Fullaway, D. T.

A list of Laysan insects.

Proc. Hawaiian Ent. Soc. 3: 20-22, 1914 a.

List of 60 species, with names of collectors.

Fullaway, D. T.

A new species of *Oodemas* from Laysan Island.

Proc. Hawaiian Ent. Soc. 3: 18, 1914 b.

Description.

Notes on immigrant Coleoptera.

Proc. Hawaiian Ent. Soc. 5: 75-82, 1922.

Includes *Imaliodes pusillus*, p. 80, known from the Marshalls.

Gadow, H.

A list of the birds of the island of Rotumah.

Ibis VII, 4: 42-46, 1898.

Includes references to birds of Funafuti, with a list of ten species observed or found at Funafuti.

Gadow, H. and Gardiner, J. S.

Aves; in, Gardiner, The fauna and geography of the Maldive and Laccadive Archipelagoes, 1: 368-373, 1903.

Systematic and ecological.

Aves, with some notes on the distribution of the land-birds of the Seychelles.

Trans. Linn. Soc. Zool. II, 12: 103-110, 1907.

Systematic list and zoogeographic discussion, based on collections of the Percy Sladen Expedition, listing many species from atolls of western Indian Ocean.

Gagnepain, F.

Quelques plantes des flots de la mer de Chine.

Bull. Mus. Hist. Nat. Paris II, 6: 286, 1934.

Includes records of a few plants collected on the Parcel and Spratly Islands.

Deuxième note sur quelques plantes des flots de la mer de Chine.

Not. Syst. 6: 35-37, 1937.

Enumeration of 18 plants from the Parcel Islands. Map of the group.

Galstoff, P. S.

Pearl and Hermes Reef, Hawaii, hydrographical and biological observations.

Bishop Mus. Bull. 107: 1-49, 1933.

Mainly marine biology and an account of the pearl oyster fisheries, but with a geographic description containing references to land animals and vegetation, with a detailed map, photographs, and bibliography.

Gardiner, J. S.

The coral reefs of Funafuti, Rotuma and Fiji.
Proc. Cambridge Phil. Soc., 9: 417-503, 1898.

Contains a careful description of the geography, surface features, and climate, with a map, of Funafuti, pp. 419-424; geographic notes on the atolls of Fiji.

The fauna and geography of the Maldivé and Laccadive Archipelagoes.
1: 1-471, 1901 a-1903; 2: 473-1078, Cambridge, 1903-1906.

Detailed monographic account, systematic treatments of animal groups by various authors, those on land animals listed separately; narrative, geographic and geologic monograph, discussion of lagoon deposits, zoogeographic discussion and list of land plants by Gardiner. Profusely illustrated with photographs, drawings, diagrams, and maps. LC: QL309. G22.

The natives of the Maldives.
Proc. Cambridge Phil. Soc. 11:18-21, 1901 b.

Brief note on natives, their customs and social organization. Mentions food and ornamental plants.

The atoll of Minikoi.
Proc. Cambridge Phil. Soc. 11: 22-26, 1901 c.

Brief note including information on climate, description of atoll and sketch map.

The formation of the Maldives.
Geogr. Jour. 19: 277-301, 1902.

Discussion of atoll origin, but contains extensive geographical information on the Maldivé and Laccadive groups, with maps and photographs.

The Chagoe Archipelago.
Nature 72: 571-572, 1905 a.

Mostly marine geology, but treats land vegetation, fauna, and flora, with mention of species; comparison of present vegetation with that before clearing for coconut planting.

The Percy Sladen expedition in H. M. S. Sealark.
Nature 73: 43-44, 184-186, 294-296, 1905 b.

Progress reports, mostly on marine work, but with notes on land features and vegetation of Amirantes in the second article; third entirely on

the Seychelles, with no information on atolls.

Gardiner, J. S.

The Indian Ocean.

Geogr. Jour. 28: 313-332, 454-465, 1906.

Results of the Percy Sladen expedition (1905).

General notes on the structure of the west part of Indian Ocean. Includes brief general mentions of atolls on such banks as Seychelles, Amirante, Farquhar, Chagos. Some photos of such atolls and a map of the region studied.

----- ed.

Reports of the Percy Sladen Trust expedition to the Indian Ocean in 1905

Trans. Linn. Soc. Zool. II, vols. 12-19, 1907-1936.

Important series of treatments of collections and data of expedition, by various authors, of which those containing data on atolls are listed separately.

Studies in coral reefs.

Bull. Mus. Comp. Zool. Harvard 71: 1-16, 1930.

Discussion of origin and significance of various atoll features, including beach-rock, with examples given from Maldives, Minikoi and southwest Indian Ocean Atolls.

Coral reefs and atolls.

1-181, London, 1931.

Contains extensive data on the geographic distribution of atolls, and, in Chapter 2, a generalized description of the land environment of atolls. Appendix with geographic notes on Pacific Island groups. LC: QE 565. G3.

The reefs of the western Indian Ocean. I. Chagoe Archipelago; II. The Mascarene region.

Trans. Linn. Soc. Zool. II, 19: 393-436, 1936 a.

Mainly marine geology, but with data on geography and land geology, maps.

Concluding remarks on the distribution of the land and marine fauna, with a list of the water temperature observations.

Trans. Linn. Soc. Zool. II, 19: 447-464, 1936 b.

Historical and zoogeographic recapitulation of results of Percy Sladen expeditions, with remarks on the atolls of the western Indian Ocean.

Gardiner, J. S., and Cooper, F. F.

Description of the expedition.

Trans. Linn. Soc. Zool. II, 12: 1-55, 111-175, 1907; 14: 1-7, 1910 (third section by Gardiner, alone).

Account of the first Percy Sladen Trust expedition to the western Indian Ocean, with careful descriptive accounts of the Chagos Archipelago and the atolls between Mauritius and the Seychelles (Cargados Carajos, Farquhar, etc.), treating substrate, plants, vegetation, animals, etc. Third part mainly on the second expedition, treating the Seychelles and the raised atolls to the west of Farquhar. Many excellent photographs. Maps.

Gardner, I. C.

Crusoes of Canton Island.

Nat. Geogr. Mag. 73: 749-766, 1938.

Total eclipse of the sun observed from Canton; popular account of general geography and environment, with several photographs.

Garman, S.

Concerning a species of lizard from Clipperton Island.

Proc. New England Zool. Club 1: 59-62, 1899.

Lygosoma arundellii, sp. n.

Some reptiles and batrachians from Australasia.
Bull. Mus. Comp. Zool. Harvard 39: 1-14, 1901.

Includes *Ablepharus heterurus*, sp. nov., from Apaiang (Gilberts).

The reptiles of Easter Island.
Bull. Mus. Comp. Zool. Harvard 52: 1-14, 1908.
Collections of the "Albatross", 1904-1905.
Notes on some of the species include comparisons with specimens from various Pacific atolls.

Garrett, A.

List of land shells inhabiting Rurutu, one of the Austral Islands, with remarks on their synonymy, geographical range, and descriptions of new species.

Proc. Acad. Nat. Sci. Phila. 31: 17-30, 1879.

Mentions various species from Ebon and Tuamotus, especially Anaa.

The terrestrial Mollusca inhabiting the Cook's or Harvey Islands.
Jour. Acad. Nat. Sci. Phila. II, 8: 381-411, 1881.

Includes some species recorded from the Tuamotu and Ellice Islands.

Garrett, A.

The terrestrial Mollusca inhabiting the Society Islands.

Jour. Acad. Nat. Sci. Phila. II, 9: 17-114, 1884.

Enumeration, with critical notes; mentions various species from the Ellice and Tuamotu Islands.

On the terrestrial mollusks of the Viti Islands.

Proc. Zool. Soc. London 1887: 164-189, 284-316, 1887.

Includes some records from atolls especially Tuamotus.

Gaumer, G. F.

Monografía de los Mamíferos de Yucatan.

1-331, Mexico, 1917.

Includes at least one reference to an atoll species: *Monachus tropicalis*, pp. 243-245, from Alacran reef and los Triangulos. Smi. Div. Mammals.

Gauroy, P.

Clipperton.

Geographia 17: 44-45, 1953.

Popular article with map and photograph, little information.

Gauthier, L.

Levé hydrographique de l'île Clipperton.

Ann. Hydrogr. [France] III, 20: 5-12, 1949.

Account of survey of atoll by the "Jeanne d'Arc" in Jan. 1935; brief description of island, fauna, vegetation, etc., map, photos.

Gebien, H.

Coleoptera, Heteromera: Tenebrionidae.

Trans. Linn. Soc. Zool. II, 18: 261-324, 1922.

Systematic account of collections of the Percy Sladen expeditions, including various species from the low islands of the western Indian Ocean.

Geisler, W.

Australien und Ozeanien (1907-27) (1928-37).

Geogr. Jahrb. 42: 342-388, 1928; 53: 566-630, 1938.

Bibliographical review, by subjects and regions.

[Gelett]

Weeks Island.

Naut. Mag. 34: 441, 1865.

Brief description of an island sighted by the "Morning Star." Position corresponds to Marcus.

Mentions abundance of birds, dense cover of trees and shrubbery; maximum elevation given as "perhaps 200 feet."

Gentili, J.

Climatology of the central Pacific.
Proc. 7th Pac. Sci. Cong. 3: 92-100, 1952.
Region covered includes many atoll groups.

Gerbault, A.

In quest of the sun.
1-315, London, 1929.
Popular account of voyage around the world in a small boat, with short accounts of Makemo and Raroia, Tuamotus, and Cocos Keeling, but with little useful information. LC: G440. G35, 1929.

Germain, L.

Faune malacologique terrestre et fluviatile des Iles Mascareignes.
1-495, Paris, 1921.
The statements of distribution include mentions of records from Pacific and Indian Ocean atolls. Sml; Div. of Mollusks.

Etudes sur les faunes malacologiques insulaires de l'Océan Pacifique.
Mém. Soc. Biogéogr. 4: 89-153, 1934.
Contains scattered remarks on land-shell faunas of atolls. Unimportant from this viewpoint.

[Germany. Deutsche Seewarte.]

Segelhandbuch für den Stillen Ozean.
1-916, Hamburg, 1897.
Includes information, compiled from ships' observations, on weather and especially tropical storms in the Pacific, some of them in or near various atoll groups. LC: VK915. H3.

[Germany. Kolonialamt]

Die deutschen Schutzgebiete in Afrika und der Südsee.
1910-1913, Berlin, 1912-1914.
Yearbooks including chapters on Micronesia, with summaries of information on population, health, climate, etc. and statistical data. LC: JV33. G3 A42. Earlier volumes (1897-1908) have varying authors and titles, begun as supplements to D. Kolonialblatt. LC: JV33. G3 A4.

[Germany, Reichstag]

Stenographische Berichte über die Verhandlungen des Reichstags 1895-1911.
Sections of these reports refer to the Marshalls

and other Pacific possessions, and contain various notes on climate, agriculture, introduced plants, etc. LC: J351. H2.

Gessler, C.

Aïta Fanau.
Asia 35: 550-555, 1935 a.
Popular account of a visit to Fagatau, Tuamotus, with some description and several photographs.

Napuka, Isle of Peace.
Asia 35: 236-243, 1935 b.

Popular but accurate account of life on a remote Tuamotuan island, with photographs and incidental information on environment.

Pacific airports of the future.
Asia 35: 684-687, 1935 c.

Popular description of Pacific Equatorial Islands, with several photographs.

Road my body goes.
1-362, N. Y., 1937.

Popular account of part of the Mangarevan expedition, largely a description of a three months sojourn on Napuka, and visits to others of the Tuamotus, with a number of photographs. LC: DU890. G4.

The leaning wind.
1-267, N. Y., 1943.

Popular account of parts of the Mangarevan expedition, 1934, with chapters containing much descriptive material on the Tuamotus, Flint; Fanning, and Christmas Islands. LC: DU22. G48.

The reasonable life.
1-214, N. Y., 1950.

Very informative description of everyday life in Tepuka (Napuka) and Tepoto Atolls, Tuamotus, with much information on food, water, environment, etc., with a decidedly philosophical slant. LC: GN670. G4, 1950.

Geyer, R. A.

A bibliography on the Gulf of Mexico.
Texas Jour. Sci. 2: 44-93, 1950.

A bibliography of oceanography, marine biology, geology, geophysics and meteorology. The meteorology items may be of interest in connection with

the climate of the Caribbean atolls.

Gibbings, R.

Over the reefs.

1-240, London, 1948.

Account of visits to various Pacific islands. Includes bits of information on the Tokelau Islands, Palmerston, the Tuamotus. Illustrated with fine engravings of drawings by the author. LC: DU 510. G45, 1948.

Giboudot,

Note sur le cyclone du 12 au 17 Janvier 1903 aux Iles Tuamotu.

Ann. Hydrogr. [France] II, 25: 27-38, 1903.

Description and study of the cyclone including effects on islands, mentioning observations of various witnesses; hypotheses to explain the phenomenon, with chart; see also Rozier, 1903.

Gibson, C. G.

Notes on some birds of the Abrolhos Islands.

Emu 8: 64-66, 1908.

Includes some birds observed on Pelsart Island, with a photo of noddies nesting there.

Gibson-Hill, C. A.

Boats and fishing on the Cocos-Keeling Islands.

Jour. Anthr. Inst. Gt. Brit. 76 (1): 13-23, 1946.

Includes some notes on the geography, vegetation and flora in the introduction, references to uses of plants in boat-building; map.

Notes on the Cocos-Keeling Islands.

Jour. Malay. Br. R. Asiat. Soc. 20 (2): 140-202, 1947.

Geographical, historical, economic and anthropological account, listing economic plants and animals, dates of important "cyclones", etc. Several photos, map.

Field notes on the terrestrial crabs.

Bull. Raffles Mus. 18: 43-52, 1947 b.

Concerns Christmas Island (Indian Ocean) but the species discussed occur on atolls, and a footnote mentions feeding experiments made with *Birgus* on Cocos-Keeling, p. 52.

Notes on the birds of Christmas Island.

Bull. Raffles Mus. 18: 87-165, 1947 c.

Concerns Indian Ocean island, but mentions some records and biological notes from Cocos-

Keeling.

Gibson-Hill, C. A.

The island of North-Keeling.

Jour. Malay. Br. R. Asiat. Soc. 21 (1): 68-103, 1948.

Geographic treatment, describing vegetation belts with faunas inhabiting them, their soils, habits of birds, etc., maps; photos showing vegetation and birds.

The birds of the Cocos-Keeling Islands.

Ibis 91: 221-243, 1949 a.

Systematic list with historical and geographical introduction; careful description and map of the atoll, some notes on its vegetation and climate, and extensive ecological notes on the birds; photographs.

The robber crab.

Zoo Life 4: 58-60, 1949 b.

Popular notes on habits of *Birgus latro*, mentioning its occurrence on Cocos-Keeling. Crabs can climb trees and open cracked coconuts, but author believes that they cannot crack undamaged nuts, and do not climb trees in search of them. Photo of crab climbing sago palm on Christmas Island (Indian Ocean).

Ornithological notes. No. 2.

Bull. Raffles Mus. 19:100-104, 1949 c.

Records *Phaeton rubricauda westralis* from Cocos-Keeling, where it breeds.

Notes on the nesting habits of seven representative tropical sea birds.

Jour. Bombay Nat. Hist. Soc. 48: 214-235, 1949 d.

Includes observations made on Cocos-Keeling. Photos, bibliography.

Papers on the fauna of the Cocos-Keeling Islands.

Bull. Raffles Mus. 22: 1-298, 1950 a.

Contains papers by various authors on special groups of animals collected by Gibson-Hill in 1941, with an introduction which incidentally records several myriapods and arachnids.

A note on the Cocos-Keeling Islands.

Bull. Raffles Mus. 22: 11-28, 1950 b.

Excellent historical and geographic account, with maps, including vegetation maps, accounts of flora and fauna with short lists of conspicuous species, introduced mammals, agriculture, vegetation, climate; short bibliography and series of excellent photos showing vegetation, birds, corals, etc. List of dates of important "cyclones."

Gibson-Hill, C. A.

A note on the reptiles occurring on the Cocos-Keeling Islands.

Bull. Raffles Mus. 22: 206-211, 1950 c.

Several species recorded.

Notes on the birds of the Cocos-Keeling Islands.

Bull. Raffles Mus. 22: 212-270, 1950 d.

Check-list and ecological notes.

Notes on the insects taken on the Cocos-Keeling Islands.

Bull. Raffles Mus. 22: 149-165, 1950 e.

Lists species of author's collection that were not destroyed during the war, with an extensive historical-ecological account; records of introduction of pests and bringing of soil from elsewhere; bibliography.

A note on the Arachnida found on the Cocos-Keeling Islands, January-October 1941.

Bull. Raffles Mus. 22: 101-102, 1950 f.

A scorpion, a pseudoscorpion, and two ticks reported, with remark that 23 species of spiders had been collected but specimens were destroyed during the war.

The Myriopoda found on the Cocos-Keeling Islands January-October 1941.

Bull. Raffles Mus. 22: 103-104, 1950 g.

Several species recorded.

The tropic-birds occurring in the Indian Ocean and adjacent seas.

Jour. Bombay Nat. Hist. Soc. 49: 67-80, 1950 h.

Notes on ecology and systematics, mentioning various Indian Ocean atolls as habitat of some species (Chagos, Cocos-Keeling, Maldives, etc.).

Notes on Abbott's booby.

Bull. Raffles Mus. 23: 65-76, 1950 i.

Includes incidental mentions of birds from Indian Ocean atolls.

Gibson-Hill, C. A.

Hemiptera collected on the Cocos-Keeling Islands, January-October, 1941.

Bull. Raffles Mus. 23: 207-211, 1950 j.

Enumeration.

The Cocos-Keeling Islands.

Geogr. Mag. 24: 313-317, 1951.

Popular article, with photographs.

Notes on the birds reported from the Agalega Islands, western Indian Ocean.

Bull. Raffles Mus. 24: 257-269, 1952.

Discussion of 12 species, with notes and records from other Indian Ocean atolls. Bibliography.

Notes on the sea birds of the orders Procellariiformes and Pelecaniformes recorded as strays or visitors to the Ceylon coast.

Spolia Zeyl. 27 (1): 83-102, 1953.

Includes records of birds on atolls of the Pacific, China Sea and Indian Ocean, and information on migration routes. Bibliography.

Gifford, E. W.

The birds of the Galapagos Islands with observations on the birds of Cocos and Clipperton Islands (Columbiformes to Pelecaniformes).

Proc. Calif. Acad. Sci. IV, 2 (1): 1-132, 1913.

Includes scattered references to Clipperton records.

Gilbert, J.

[Houtman's Abrolhos].

Perth Inquirer April 19, 1843.

Newspaper article with information on Gilbert's visit to the Abrolhos. Seen only as microfilm, courtesy D. L. Serventy. See Whittell, 1941.

Gilbert, T.

Voyage from New South Wales to Canton in the year 1788

1-85, London, 1789.

Includes an account of the discovery of the Gilbert and Marshall archipelagoes, with much geographical data on them, with profile sketches of a number of the atolls. Positions are given which enable the names given by the discoverers to be related to modern names. LC: DU20.G26.

Gilbert and Ellice Islands Colony.

Line Book.

1931-1936, Suva, 1933-1939.

Collections of compiled records, including population statistics and meteorological data. LC: J968. G5 R2.

 Medical and sanitary report for the year 1949. 1-19, Suva, 1951.

This and earlier similar reports include information on diseases and rainfall figures for Gilbert, Ellice, Line and Phoenix Islands. LC:

Gill, W. W.

Life in the southern isles.

1-360, London, 1876 a.

Account of missionary activities, but with numerous observations on natural history, including notes on the northern Cook Islands. LC: DU21. G5.

 Myths and songs from the South Pacific.

1-328, London, 1876 b.

Includes bits of information on Rakahanga and Manihiki, especially on food-plants; on p. 60, reports finding an idol made of a block of black pumice on Pukapuka. LC: GR380. G5.

 Jettings from the Pacific.

1-248, London, 1885.

Contains descriptive notes on certain of the Ellice, Nassau, and Cook Islands, especially botanical and zoological notes, carefully recorded, and with scientific names. LC: DU510. G5.

 Botanische Miscellen aus der Südsee.

Mitt. Geogr. Ges. Iena 7: 83-105, 1889.

Notes on various economic trees from the Pacific Islands, with descriptions of their uses. Some of them mentioned from atolls.

 The south Pacific and New Guinea past and present.

1-38, Sydney, 1892.

Includes some general notes on coral atolls, p. 2. LC: DU28. G5.

Ginsburg, R. N.

Beachrock in south Florida.

Jour. Sed. Petr. 23: 85-92, 1953.

Discusses occurrence and origin of beachrock, especially on Dry Tortugas; bibliography, photographs.

Giovanelli, J. L.

Les cyclones en Océanie française.

Bull. Soc. Et. Océan. 6 (7): 250-287, 1940.

Includes information on effect of various typhoons on some of the atolls of the Tuamotus. Bibliography.

Girard, C. F. (S. F. Baird ed.)

Herpetology: in, U. S. Exploring Exped. XX: 1-492, Philadelphia, 1858.

Enumeration of species collected during the expedition, including a few records from atolls. Pp. 459-461, *Chelonia tennisi*, sp. nov., from Honden (Puka-Puka), Tuamotus, and Rosa (Rose Atoll). LC: Q115. W6.

Girschner, M.

Die Karolininsel Namoluk und ihr Bewohner.

Baessler-Archiv 2: 123-215, 1912.

Ethnological, but has a chapter on geography, plants, animals, and climate. Map of atoll.

Glassman, S. F.

The flora of Ponape.

Bishop Mus. Bull. 209: 1-152, 1952.

Contains various references to plants of Caroline and Marshall atolls, as pp. 112-114, 123, 124, etc.

 New plant records from the eastern Caroline Islands, with a comparative study of the native plant names. Pac. Sci. 7: 291-311, 1953.

Lists plants from Mokil, Pingelap and Ant atolls, mainly on basis of author's collections; map, photographs, bibliography.

Gmelin, J. F.

Systema Naturae ...

3 vols., Lipsiae, 1788-1793.

13th edition of Linnaeus' Systema. General systematic treatment, basic to later work on all groups, especially birds, includes at least one atoll bird (1:573) *Pelecanus palmerstoni*, from Palmerston I. LC: QH43. S53, Rare books.

Gedman, F. D. C.

A monograph of the petrels.

1-381, London, 1907-1910.

Systematic monograph, illustrated with colored plates. Includes discussion of many atoll records. (Pp. 1-68, 1907; 69-149, 1908; 150-232, 1908; 233-293, 1909; 294-381, 1910, according to covers

of parts). LC: QL696. P6 G6.

Götze, C.

Die Koralleninseln als Grundlage menschlicher Siedlungen.

1-95, Wieda, 1914.

Doctoral dissertation. Compiled summary of environment of coral islands and native life on them. Bibliography. AGS: 70.

Goldman, W. C. F.

Aanteekeningen gehouden op eene reis naar

Dorel (Noord-Oostkust van Guinée)....

Tijdschr. Ind. Taal-, Volkenk. 15: 475-556, 1866; 16: 392-426, 1867.

Account of a trip to northeast New Guinea and among islands northeast of it. Includes scattered references to Mapia, Helena Bank and Asia Islands.

Good, R. [D'O.]

The geography of flowering plants, ed. 2.

1-452, London, N. Y., Toronto, 1953 (ed. 1, 1947).

A general treatment of floristic and historical plant geography containing only a few minor and unimportant references to the floras of atolls. The distribution maps are of interest in that they seem to exclude, in some cases, much of the atoll distribution of certain groups. Bibliography. LC: QK 101. G6, 1953.

Gossett, R. W.

Notice of the occurrence of the New Zealand hawk at the Cook Islands.

Trans. Proc. N. Z. Inst. 37: 607, 1905.

Relates find of a specimen of *Circus gouldi* on Manuae (Hervey I.) J. L. Young wondered whether the hawk might not rather have been a South American species, numerous on Tahiti.

Gosset, R. W. G. [same person as Gossett]

Notes on the discovery of Rarotonga.

Austr. Geogr. 3 (8): 4-15, 1940.

Includes brief notes on Hervey and Takutea Islands, said to be leased as coconut plantations.

Gould, A. A.

Mollusca and shells: in, U. S. Exploring Exped. 12: 1-510, 1852.

Melampus mucronatus from Raraka, Tuamotus, p. 204, *Littorina obesa*, from the shores of lagoons of various Tuamotus, p. 202.

Gould, J.

Birds: in, Darwin, Zool. Beagle 3: 1-156,

1838-1841.

Includes, p. 133 (1841), *Rallus philippensis*, from Keeling.

Gould, J.

On nine birds collected during the voyage of H. M. S. Sulphur.

Proc. Zool. Soc. London 11: 103-107, 1843 a.

Includes description of *Cactornis inornatus*, from Bow I. (Hao).

Birds: in, The zoology of the voyage of H. M. S. Sulphur.... edited and superintended by Richard Brinsley Hinds....

1: 37-50, 1843 b-1844.

Includes, p. 42, *Cactornis inornatus*, from Bow I. LC: QL5. S9.

On the family Procellariidae, with description of ten new species.

Ann. Mag. Nat. Hist. 13: 360-368, 1844.

Includes *Puffinus sphenurus*, p. 365, described from the Abrolhos Islands, but without exact locality; collected by Gilbert.

On the genus *Anous*, Leach (*Megalopterus*, Boie). Proc. Zool. Soc. London 13: 103-104, 1845.

Discussion of various species, including *A. menalops*, sp. nov. from Houtman's Abrolhos (no island specified), and *A. parvulus* from Christmas Island (collected by Bennett).

Handbook to the birds of Australia.

1: 1-636, 2: 1-629, London, 1865.

Includes records from Raine Island, Houtman's Abrolhos, etc. LC: QL693. G6.

Gräffe, E.

Eine Reise nach der Mac-Keans-Insel.

Vier. Naturf. Ges. Zürich 9: 205-217, 1864.

Account of a trip from Samoa to McKean in 1863, with a word on Swains and the Phoenix Islands. Description of McKean, with mention of the few plants present, few insects and spiders; information on birds and their habits, description of guano deposits.

Reisen nach verschiedenen Inseln der Südsee.

Ansland 40: 1139-1144, 1159-1164, 1184-1191, 1867.

The last two parts describe author's visit to the Ellice Islands: Nukulaifai, Funafuti, Vaitupu, Nukufetau, Niua and Nanomea, with sketch maps

for most. Includes notes on aspect of islands, plants and vegetation, fauna, natives' foods.

Gräffe, E.

Samoa oder die Schifferinseln I. Topographie von Samoa.

Jour. Mus. Godeffroy 1: 1-32, 1873 a.

Includes p. 32, historical account and description of Rose atoll, with a word on fauna, map opposite p. 70.

Die lagune von Ebon, nach brieflichen Mittheilungen von J. Kubary.

Jour. Mus. Godeffroy 1: 33-47, 1873 b.

Other title: Die Ebongruppe im Marshall's Archipel. Description of atoll, with notes on vegetation. Account of native life includes notes on material culture involving plants, and foods. Extensive vocabulary.

Die Carolinen-Insel Yap oder Gnab nebst den Matelotas-, Makenzie-, Fais und Wolea-Inseln, nach A. Tetens und J. Kubary.

Jour. Mus. Godeffroy 1: 84-130, 1873 c.

Includes, pp. 127-130, brief descriptions and notes on foods for Ngulu, Ulithi and a vocabulary for Ulithi.

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Beschreibung der Schiffer- oder Samoa Gruppe.

Hydrogr. Mitt. 1: 42-48, 51-55, 61-64, 1873 d.

Excerpts from Gräffe, 1873 a, including, p. 64, notes on Rose Atoll, and sketch map by Rantzau.

Grant, C.

Frigate birds and the Laysan Rail.

Condor 40: 130, 1947.

Brief comment on Baldwin, 1947. Suggests that unlike the Wake Rail, the Laysan Rail may not survive without fresh water.

Gray, A.

Botany, Phanerogamia, Part I; in, U. S. Exploring Exped. 15: 1-177, Philadelphia, 1854.

Systematic, covers Polypetalae, contains scattered references to atoll plants, e. g. pp. 139, 142, 197, etc. Part II, on Sympetalae, though completed, was never published, and part III, Apetalae and Monocotyledonae, was never written. The m. s. of part II is in the library of the Gray Herbarium of Harvard University. LC: Q115. W6.

Gray, A.

The Maldive Islands; with a vocabulary taken from François Pyrard de Laval, 1602-1607.

Jour. R. Asiat. Soc. 10: 173-209, 1878.

Vocabulary contains names for plants and animals. See Pyrard, 1679 and 1887, Bell, 1883 and Christopher, 1841.

Gray, G. R.

Catalogue of the birds of the tropical islands of the Pacific Ocean in the collections of the British Museum.

1-72, London, 1859.

A list, giving synonymy and records of localities, which include a number of atolls. LC: QL694. A1 B7.

[Great Britain Colonial Office]

Colonial Reports: Annual, Numbered series, London, 1891-1939.

Includes reports on the Gilbert and Ellice Islands colony (including Christmas, Fanning, Washington, and Union Islands) which are nos. 734, 753, 842, 884, 902, 958, 995, 1038, 1080, 1199, 1246, 1369, 1387, 1460, 1500, 1564, 1621, 1642, 1696, 1727, 1798, 1834, and 1879 of the Annual series and which contain statistics and brief notes on geography and history, climate, rainfall, water supply, agriculture, and population; bibliographies, maps. LC: JV33. G7 A4.

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Gilbert and Ellice Islands.

Colonial Repts. Miscellaneous 17: 3-9, 1901.

See Colonial Reports, Annual. LC: JV33. G7 A42.

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Gilbert and Ellice Islands 1949.

Colonial Reports: 1-52, London, 1950.

Apparently, the first of a post-war series of reports; see Gt. Britain, 1891-1939, for earlier series. Includes sections on geography (climate, fauna and flora, domesticated animals, wild rabbits), housing, (water-supply); photos, bibliography. LC:

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Introducing the British Pacific Islands.

1-96, London, 1951.

Popular but well written and informative illustrated brochure treating briefly the various islands under the supervision of the British Colonial Office, including Fanning and the Gilbert and Ellice islands; little information on atolls; photographs. LC: DU40. A52, 1951.

[Great Britain, Hydrographic Department, Admiralty]

Pacific Islands Pilot, seventh edition.
3 vols., London, 1943-1946.

Contains geographic data on all Pacific atolls, with discussions of meteorology in introductions to each volume, both general and by regions, with a few meteorological tables, including ones for Malden, Fanning, and Pukapuka (Danger Is.), vol. 3, pp. 58-60, and Malden and Funafuti, vol. 2, pp. 40-49. LC: VK915. G7, 1943, 1946.

[Great Britain, Meteorological Office]

Réseau Mondial.

20 nos., London, 1918-1940.

M. O. pubs. nos. 214, 217g, 222g, 227g, 229 g, 231 g, 235 g, 238 g, 243 g, 314, 322, 334, 344, 363, 376, 386, 394, 410, 426, 436.

An annual compilation of monthly and annual summaries of pressure, temperature, and precipitation from a world-wide network of stations, including Midway, Fanning, Minicoy, Malden, Pukapuka, Funafuti, and Cocos-Keeling atolls, the number of stations varying from time to time; wind summaries from Fanning and Malden in certain numbers. LC: QC851. G75.

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Meteorological observations at Fanning Island. 1933-1941, 1944-1947.

Monthly figures on temperature, rainfall, weather, etc. Yearly reports bound together at WB: C/ng 130. Fa AO.

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Meteorological observations at Funafuti, Ellice Islands. 1935-1947.

Monthly figures on temperature, rainfall, weather, etc. Yearly reports bound together in WB: C/ng 130 Fu AO.

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Weather in the China Seas and in the western part of the north Pacific Ocean.

M. O. 404 a, b, c.

3 vols., London, 1937-38 (reprinted 1945).

Includes information on weather and climate for Pratas and other islands in the south China Sea and for Micronesian groups including Gilbert Islands. Information on typhoons. LC: QC994. 6 D6.

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Notes on the meteorological observations made in British colonies and protectorates, etc. in 1939-47.

1-38, London, 1952.

This and earlier notes include information on stations at Fanning and Funafuti, their instruments and methods. WB:MDI B786n.

Greaves, F. C.

The health service program in the Trust Territory of the Pacific Islands.

U. S. Naval Med. Bull. 48: 925-940, 1948.

Contains some information on the atolls of Micronesia.

Green, E. C. D.

The agricultural aspect of the coco-nut industry in the Mandated Territory of New Guinea.

N. Guinea Agr. Gaz. 2 (3): 2-17, 1936.

Includes, p. 13, brief chapter on islands of Manus district, Purdy, Alim and the Western Islands, mentioning occurrence of coconut pests.

Green, E. E.

Notes on the Coccidae collected by the Percy Sladen Trust expedition to the Indian Ocean; supplemented by a collection received from Mr. R. Dupont, Director of Agriculture, Seychelles.

Trans. Linn. Soc. Zool. II, 12: 197-207, 1907.

Systematic account, with many atoll species, host plants carefully recorded, thus mentioning many plant species from the atolls of the western Indian Ocean.

Greenway, J., Jr.

Remarks on the preservation of birds; in, Proceedings and Papers of the International Technical Conference on the Protection of Nature, Lake Success, 515-524, 1950.

Contains the story of the extinction of the Laysan Rail on Laysan and Midway.

Greenwell, A. B. H.

Taro -- with special reference to its culture and uses in Hawaii.

Econ. Bot. 1: 276-289, 1947.

Full account of this important food plant, but with only a brief reference to the special method of taro culture on atolls.

Gregory, H. E.

Report of the Director [of the Bernice Pauahi Bishop Museum].

Occ. Pap. Bishop Mus. 7: 163-176, 1920; 8: 1-28, 1921; 8: 175-213, 1922. Bishop Mus. Bull. 4: 1-38, 1923; 10: 1-38, 1924; 21: 1-55, 1925; 28: 1-42, 1926; 41: 1-45, 1927; 57: 1-38, 1928; 65: 1-58, 1929; 78: 1-40, 1930; 82: 1-36, 1931; 94: 1-54,

1932; 106; 1-46, 1933; 124; 1-44, 1934; 133; 1-71, 1935; 140; 1-52, 1936. Earlier reports are by W. T. Brigham, and J. F. G. Stokes, later ones by P. H. Buck, and E. H. Bryan Jr.

Issued each year, covering activities of Museum, with accounts of expeditions, listing of accessions, etc., with various references to atolls, especially animals and plants reported by name as received from various Pacific atolls. Short accounts by other authors are sometimes included. The most important of these are here included under the names of the authors if they deal with atolls.

Gregory, H. E.

Report of the Director for 1922.

Bishop Mus. Bull. 4; 1-38, 1923.

Contains, pp. 17-24, notices of Whitney, Bayard Dominick and Fanning Island expeditions, but with little factual information concerning atolls.

Report of the Director for 1923.

Bishop Mus. Bull. 10; 1-38, 1924.

Tanager expedition to the Leeward Hawaiian, Wake, and Johnston Islands summarized, with some useful information.

Report of the Director for 1924.

Bishop Mus. Bull. 21; 1-55, 1925.

Contains preliminary reports of the Tanager, Whippoorwill, and Kaimiloa expeditions with original information on the central Pacific Atolls.

Gressitt, J. L.

Longicorn beetles from New Guinea and the South Pacific (Coleoptera: Cerambycidae). Part III. Ann. Ent. Soc. Am. 45: 44-58, 1952 a.

Includes *Dihammus holotephrus* from Pukapuka (Danger) Atoll.

Interim report on "Insects of Micronesia."

1-4+5, [Honolulu], 1952 b (mimeographed).

Discussion of plans for working up the available collections of Micronesian insects, with a summary of available collections, including those from the Marshalls and Gilberts.

Description of Kayangel Atoll, Palau Islands.

Atoll Res. Bull. 14; 1-5, 1952 c.

Description of geography, vegetation, notes on

climate, animals, plants, water supply, soil. Based on author's visits in 1951. Useful maps.

Gressitt, J. L.

Notes on Ngaruangi and Kayangel Atolls, Palau Islands.

Atoll Res. Bull. 21; 1-5, 1953 a.

Description of Ngaruangi after a visit in Dec. 1952. Notes on structure, absence of vegetation, fauna. List of plants collected on Kayangel in Dec. 1952, determined by Fosberg.

The insect fauna of Micronesia.

Eighth Pac. Sci. Congr. Abstr. 139-141, 1953 b.

Briefly mentions faunas of low islands.

Hispine beetles as pests of coconut palms.

Eighth Pac. Sci. Congr. Abstr. 142-143, 1953 c.

Mentions *Brontispa chalybeipennis* in Marshalls.

The coconut rhinoceros beetle (*Oryctes rhinoceros*) with particular reference to the Palau Islands.

Bishop Mus. Bull. 212; 1-157, 1953 d.

Important monograph of this pest of coconut and other palms. Discusses its occurrence on Kayangel Atoll, pp. 83-84. Extensive bibliography.

Grimble, A.

From birth to death in the Gilbert Islands.

Jour. Anthr. Inst. Gt. Brit. 51; 25-54, 1921.

Includes a few scattered references to uses of plants, designated by their native or scientific names.

Canoes in the Gilbert Islands.

Jour. Anthr. Inst. Gt. Brit. 54; 101-130, 1924.

Contains notes, especially pp. 103-104, on the uses of certain plants in canoe-making, etc. Botanical names of plants given, as well as native names.

The migrations of a pandanus people.

Mem. Polyn. Soc. 12; 1-112, [1933-1934].

Ethnology of the Gilbert Islands, including much ethnobotany and ethnozoology, and incidental geographic information.

War finds its way to Gilbert Islands.

Nat. Geogr. Mag. 83; 71-92, 1943.

General description of aspect of islands and native

- life, with photos of native activities.
- Grimble, A.
We chose the islands.
1-340, N. Y., 1952.
A personal narrative of six years of life as a colonial official in the Gilbert Islands, very interestingly written and giving much incidental information on the geography, ethnology, and natural history of the atolls. Illustrated by a few good wood-cuts. Published in London under the title *A pattern of islands*. LC: DU615. G83, 1952.
- Griscom, L.
The ornithological results of the Mason-Spinden expedition to Yucatan. Part II. Chinchorro Bank and Cozermel Island.
Am. Mus. Novit. 236: 1-13, 1926.
Mentions the existence, within Chinchorro Reef, of Great Key, "a perfect atoll." Notes on the vegetation of the key, and brief mentions of flora, reptiles, insects and tree-rat. Enumeration of birds collected.
- Grouvelle, A.
Coleoptera: Nitidulidae, Heteroceridae.
Trans. Linn. Soc. Zool. II, 16: 116, 1913.
Systematic account of collections of the Percy Sladen expeditions, including a number of species from the low islands of the western Indian Ocean.
- Groves, K. E.
Report of an expedition to Polynesia for the purpose of collecting fishes, epidemiological and ecological data relative to ichthyotoxism.
1-24, [Loma Linda, Calif. ?], [1951] (mimeographed).
Concerns Phoenix and Line Is., mainly marine, but with geographical and ecological notes on land aspects of some islands. Maps. (Report submitted to Office of Naval Research).
- Grundemann, D.
Unser kleinstes Schutzgebiet, die Marshallinseln.
D. Kolon.-Zeit. 4: 441-444, 1887.
General descriptive note on Ailuk. Some interesting mentions of foods, native agriculture (pandanus, coconut, taro). One paragraph on fauna (sea birds, rats, insects). The author visited the atoll.
- [Günther, A.] ed.
Report on the zoological collections made in the Indo-Pacific Ocean during the voyage of H. M. S. 'Alert' 1881-2.
1-684, London, 1884 a (published by British Mus. Nat. Hist.).
Part II, "Collections from the western Indian Ocean", includes specimens from Amiranter and Glorioso; different groups treated by various authors; for narrative of voyage, see Coppinger, 1883. LC: QL5. A55.
- Günther, A.
Reptilia; in, Report... of the 'Alert'.... 486, 1884 b.
Mentions two species, one collected on Amiranter, the other on Glorioso; see Coppinger, 1883.
- Guillaumin, A.
Contribution to the flora of the New Hebrides.
Jour. Arnold Arb. 12: 221-264, 1931; 13: 1-29, 1932.
Statements of distribution include records from various Pacific atoll groups.
- Les régions florales du Pacifique.
Mém. Soc. Biogéogr. 4: 255-270, 1934.
Very brief mentions of floristic characteristics of coral islands. Map of floristic regions.
- Compendium de la flore phanérogamique des Nouvelles Hébrides.
Ann. Mus. Col. Marseille VI, 5-6: 1-56, 1948.
Includes at least one record from the Marshall Islands, Hemigraphia reptans, p. 49.
- Guillemard, F. H. H.
Malaysia and the Pacific Archipelagoes, edited and greatly extended from Dr. A. R. Wallace's "Australasia"....
1-574, London, 1894.
A not very reliable geographical compilation with superficial information of various sorts on the various island groups of the Pacific, including those made up of atolls. Drawings and maps. LC: DU21. W22.
- Gulick, A.
Biological peculiarities of oceanic islands.
Quart. Rev. Biol. 7: 405-427, 1932.
A general discussion including notes on origin of flora and fauna, mostly about Pacific Islands, with some discussion, and tabulation of flora of Pacific Equatorial Islands, and of certain insect faunas of Leeward Hawaiian Islands. Bibliography.
- Gulick, L. H.
Micronesia.

Naut. Mag. 31: 169-182, 237-245, 298-308, 358-363, 408-417, 1862.

Includes notes on Marshall Islands (third part), and Gilberts (last part); very little on Caroline Atolls, except in fourth part which is a list of islands with useful synonymy. Notes include history of discovery, mentions of geography, economic plants, etc. Author lived on Ebon and visited the Gilberts.

Guppy, H. B.

Note on the cocoanut-eating habit of the *Birgus* in the Solomon group.

Proc. Linn. Soc. N. S. W. 7: 661-665, 1883.

Includes observation made on Keeling, quoted from Darwin.

The Solomon Islands: their geology, general features, and suitability for colonization. 1-152, London, 1887.

Mostly on high islands and elevated coral islands, but chapter 10 contains a consideration of the effects of the addition of ocean-borne pumice on atoll soils, with references to many atolls outside the Solomons area. Maps and bibliographic footnotes. LC: DU850. G97.

The Cocos-Keeling Islands.

Scott. Geogr. Mag. 5: 281-297, 457-474, 569-588, 1889.

Important full descriptive account of the group, based on observations made during a ten week visit, emphasizing geology, vegetation, and changes in geography. On p. 462, advances idea that fresh water is due to impermeable stratum beneath loose sand and coral fragments. Notes on pumice.

The dispersal of plants as illustrated by the flora of the Keeling or Cocos Islands.

Jour. Trans. Victoria Inst. 24: 267-306, 1890 a.

(Reference includes exchanges of letters and discussions following presentation of paper). Description of vegetation and flora at time of Guppy's visit, with account of previous reports, and discussion of formation of flora, origin and mode of dispersal. Discussion includes, p. 302, a word on Pratas Atoll by C. Collingwood.

Coral islands and savage myths.

Jour. Trans. Victoria Inst. 23: 46-71, 1890 b.

Mostly mythology and marine geology, but with some interesting observations on the apparent stability of the conditions on coral atolls.

Guppy, H. B.

The Polynesians and their plant names.

Jour. Trans. Victoria Inst. 29: 135-170, 1897.

Discussion of history of people of Oceania, as indicated by their names for plants; includes various mentions of plants found on atolls, with native names used on various islands.

Observations of a naturalist in the Pacific between 1896 and 1899. II. Plant dispersal. 1-627, London, 1906.

Extensive record of observations and deductions from phytogeographic data; contains much information on the flora, fauna and physical conditions on coral atolls in both Pacific and Indian Oceans. On pp. 81, 190, and 510 are notes on plants and a "shower" of dragon flies on Keeling atoll. LC: QH198. A1 G8.

Plants, seeds, and currents in the West Indies and Azores.

1-531, London, 1917.

The discussion of plants capable of transport by sea includes various mentions of atoll records, especially from Cocos-Keeling, Alacran, p. 201, etc. LC: QK101. G85.

Haase, E.

Die Indisch-australischen Myriopoden I. Chilopoden.

Abh. Ber. K. zool. anthr.-ethn. Mus. Dresden 1 (5): 1-117, 1887.

Systematic, includes *Scolopendra morsitans*, p. 52, recorded from Jaluit.

Hachisuka, M., Kuroda, N., Takatsukasa, N., Uchida, S. and Yamashina, Y.

A hand-list of Japanese birds. Revised. [Ed. 2] 1-211, Tokyo, 1932.

Includes records from Marcus Island, a gazetteer of Micronesian Islands, pp. 167-168, and a list of Micronesian birds, pp. 169-198, with many records from the Caroline and Marshall atolls. For ed. 1, see Kuroda, et al., 1922. Sml.: Bird Div.

Hachisuka, M., Kiyosu, Y., Kuroda, N., Takatsukasa, N., Uchida, S., Yamashina, Y.

A hand-list of Japanese birds. Third and revised

edition.

1-238, Tokyo, 1942.

Includes records from Marcus, gazetteer of Micronesian Islands, pp. 185-186, and list of Micronesian species pp. 187-233, with records from Wake, and Caroline and Marshall atolls. Sml.: Bird Div.

Hackel, H.

Neue Gräser.

Oesterr. Bot. Zeitschr. 51: 290-295, 1901.

Describes section *Solitaria* of subgenus *Digitaria* which includes *Panicum stenotaphroides* Nees of Polynesian atolls.

[Hadden, F. C.]

Chrysopa lanata Banks.

Proc. Hawaiian Ent. Soc. 10: 9-10, 1938.

Found on Midway.

Midway Islands.

Hawaiian Pl. Rec. 45: 179-221, 1941.

Includes description and historical account, notes on insects, birds, plant introductions and gardening, ecology. Several photos and sketch-map. Reprint LC: QH 198. M5 H3.

Haddon, A. C.

The canoes of Melanesia, Queensland, and New Guinea: in, Haddon and Hornell, The canoes of Oceania.

Bishop Mus. Spec. Pub. 28: 1-342, 1937.

Pp. 65-80 deal with canoes of Melanesian atolls, pp. 169-179, with those of atolls north of New Guinea. Mentions trees used in canoe-making on Sikaiana, and occasionally elsewhere, but generally deficient in information on materials used. Lengthy bibliography, some geographical information and synonymy of atoll names.

Haeberle, F. R.

The D'Entrecasteaux reef group.

Am. Jour. Sci. 250: 28-34, 1952 a.

Description of the structure of the group and discussion of its origin. The author recognizes two atolls, Huon and Fabre, in the group.

Coral reefs of the Loyalty Islands.

Am. Jour. Sci. 250: 656-666, 1952 b.

Includes a paragraph on topography of *Beautemps-Beaupré*, highest elevation given as 20 feet, on southeast rim.

Hager, C.

Die Marshall-Inseln in Erd- und Völkercunde, Handel und Mission, mit einem Anhang: Die Gilbert-Inseln.

1-157, Leipzig, 1889 (ed. 1, 1885).

General information, most of which is compiled from various sources. Chapters on climate, flora, fauna, native life, etc., and geographical description of individual islands. LC: DU710. H2.

Hague, J. D.

On phosphatic guano islands of the Pacific Ocean. Am. Jour. Sci. 84: 224-243, 1862.

Valuable account of Jarvis, Howland and Baker Islands, with information on land geology, composition of soils, guano, gypsum, etc.; notes on vegetation, land fauna, rats, climate, etc.; casual notes on many other central Pacific islands.

Some coral islands and islanders.

Atl. Mo. 22: 36-51, 1868.

Account of visit to Oatafu, Manihiki and Suvarov; includes notes on soils, plants and native life.

Hahl, A.

Besuch der Ngatik-Inseln durch den Kaiserlichen Vicegouverneur.

D. Kolonialbl. 11: 505-506, 1900.

Brief note, with a word on economic plants.

Hahn, F. G.

Insel-Studien.

1-208, Leipzig, 1883.

An attempt to classify the islands of the world according to their orography and geology. Includes scattered mentions of atolls and a summary of the theories of coral-island formation. AGS: 469.

Hale, H.

Ethnography and philology; in, U. S. Exploring Exped. 6: 1-666, Philadelphia, 1846.

Many parts contain discussions of geography and mode of life on atolls and atoll groups, mainly compiled from other sources, but the section on the Gilbert Is., pp. 90-103, is largely original. On pp. 435-468, is a grammar and vocabulary of the Gilberts which contains some names of plants and animals, mostly without scientific equivalents, and of plant and animal products. Other vocabularies, such as those of Tobi, of Mille, and a combined Polynesian one, are all or largely compiled. LC: Q115. W6.

Hall, J. N.

The tale of a shipwreck.
1-164, Boston, N. Y., 1934.

Published in London, 1935, as "Shipwreck."
Popular account of a voyage to Pitcairn in which the vessel is wrecked on Timoe Atoll, with brief description of the island. LC: DU800. H3.

Lost island.

1-212, Boston, 1944.

Fictionalized account of the destruction of an unnamed atoll by construction of an airfield during World War II. The author's familiarity with atolls makes his descriptions valuable reading.
LC:PZ3 . H1454 L6:

[Hall, and Neff, E. A.].

The leper hospital - Makogai, Fiji Islands.
O Le Fa'atona 25 (7): 3-4; (8): 5-7; (9): 5-7, 1927.

Excerpt from a booklet by Hall, revised by Neff (superintendents of hospitals). Mentions that people from Gilbert and Ellice Islands, and Cook Islands, are being sent there.

Hambruch, P.

Wuwulu und Aua (Maty- und Durou-Inseln).
Mitt. Mus. Völkerk. Hamburg Beiheft 4: 1-156, 1908.

Material collected by Hellwig; includes chapters on history, geography, fauna and flora, material culture, etc. Photos and sketch maps.

Hammet, L. U.

Narrative of the voyage of H. M. S. Serpent.
Naut. Mag. 23: 57-67, 188-194, 1854.

Describes visits to several of the Marshalls, and several of the Carolines, with a few incidental notes on the vegetation, as well as on the general geography.

Hampson, G. F.

Moths; in, Fauna of British India including Ceylon and Burma.

4 vols., London, 1892-1896.

Includes scattered atoll records. LC: QL556. H23.

On the classification of two subfamilies of moths of the family Pyralidae: the Hydrocampinae and Scopariinae.

Trans. Ent. Soc. London 1897: 127-240, 1897.

Keys, with descriptions of new species. Includes various atoll species.

Hampson, G. F.

Catalogue of the Lepidoptera Phalaenae in the British Museum.

13 vols. two supplements, atlas, London, 1898-1920.

Includes scattered atoll records. LC:QL542. B8.

Catalogue of the Lepidoptera Phalaenae in the British Museum.

3: 1-690, London, 1901.

Includes *Utetheisia pulchella*, pp. 483-485, reported from various atolls in the Pacific and Indian Oceans. DA: 430 B770.

Descriptions of new genera and species of Syntomidae, Arctiidae, Agaristidae, and Noctuidae.
Ann. Mag. Nat. Hist. VII, 19: 221-257, 1907.

Includes species from Amiranter, Chagos, Salomon Atoll, Cocos-Keeling, Gilberts, Marshalls, Ellice Islands.

On the moths collected during the cruise of the "Valhalla" during the winter 1905-6 by Mr. E. G. B. Meade-Waldo.

Ann. Mag. Nat. Hist. VIII, 1: 474-492, 1908.

Lists species from Glorioso, pp. 481-484.

Catalogue of the Lepidoptera Phalaenae in the British Museum.

Suppl. 2: 1-619, 1920.

Recognizes *Utetheisia lactea*, from Farquhar, p. 510, *U. pulchelloides*, from Chagos, Marshalls, Gilberts, Ellice and Keeling. DA: 430 B770.

Descriptions of new genera and species of Lepidoptera Phalaenae of the subfamily Noctuinae (Noctuidae) in the British Museum (Natural History).

1-641, London, 1926.

Includes *Nagia accolytis* from Cocos-Keeling, p. 65, and *Nagia hieratica* from Marshall and Gilbert Islands, p. 68. LC: QL561. N7 B7.

Handschin, E.

Beiträge zur Collembolenfauna der Sunda-Inseln.
Treubia 6: 225-270, 1925.

On p. 267, records *Ondemansia coerulea* Schött from Duizend Eilanden.

Hann, J.

Meteorologie einer Guano-Insel.

Zeitschr. Oester. Ges. Met. 15: 121-124, 1880.

Discussion of records of Dixon, 1877 on Malden, and Hague 1862, on Howland, Baker and Jarvis.

Hann, J.

Zum Klima der Marshall-Inseln nach den Beobachtungen von Dr. Steinbach in Jalut.

Meteor. Zeitschr. 11: 233-235, 1894.

Discussion of Steinbach, 1893 b.

Handbuch der Klimatologie.

3 vols. Stuttgart, 1897 (edition 2).

Vol. 2, pp. 262-281, contains a section on the climate of the Pacific Islands, with, pp. 271-272, a short summary of data on the Marshalls, and, pp. 273-274, the same for the guano islands of the central Pacific. GS:510. H195 hl.

Hannig, E. and Winkler, H. editors

Die Pflanzenareale.

4 vols., Jena, 1926-1939.

A series of distribution maps of various plant groups, with text, by different authors; includes records of some genera on atolls, e. g. Tacca, 2: 27-28, k. 31 (Limpricht); Allophyllus, 4: k. 32b (Herzog); Batis, 3: k. 11 (Uphof), the last being reported in error from southeast Polynesia, where it does not occur. LC: QK101. H22.

Hanzawa, S.

On the problems of the coral reefs of the South Sea Islands.

Kaiyo-no Kagaku 470-485, 1940 (seen only as translation in GS Library).

Deals incidentally with land geology, such as beach-rock formation, changes in outline of islets, etc. GS: 209 (900) q Un 33 pr. no. 153.

Hardenberg, J. D. F.

De koraaleilanden in de Baai van Batavia.

Drie Jaren Indisch Natuurleven, 11de Versl. (1936-1938) van de Nederl. - Indische Vereeniging tot Natuurbescherming: 234-241, 1939.

General notes on islands in the bay, with map; includes photos of Middelburg.

Hardy, D. E.

Scholastes palmyra Curran.

Proc. Hawaiian Ent. Soc.: 14: 5, 1950.

Found on Palmyra by Hu; other brief notes mention from Palmyra, Prodenia litura, p. 5, and, p. 6; Euxesta semifasciata (Malloch) also known from Ellice Is.

Harms, J. W.

Die Realisation von Genen und die consecutive Adaption. I. Phasen in der Differenzierung der Anlagenkomplexe und die Frage der Landtierwerdung. Zeitschr. wiss. Zool. 133: 211-397, 1929.

Biological study; includes pp. 251-252, brief note on Duizend Eilanden, their vegetation, especially mangrove, and fauna. The work includes some information on biology of species occurring on atolls, especially crustaceans.

Bericht über eine Reise nach Christmas- und Cocos-Island....

Biologe 2: 301-306, 1933.

Only a few lines on Cocos-Keeling.

Harry, R. R.

The island hooked from the sea.

Frontiers 18: 39-43, 1953.

Popular article on the 1952 Pacific Science Board Raroia expedition, by one of its members. Map, photos.

Hartert, E.

Types of birds in the Tring Museum.

Novit. Zool. 26: 123-178, 1919; 32: 259-276, 1925; 33: 344-357, 1926; 34: 1-38, 1927.

These parts of the enumeration include mentions of atoll birds, especially from Laysan.

The birds of New Hanover.

Novit. Zool. 31: 194-213, 1924.

On p. 195, discusses Megapodius duperreyii eremita Hartl., which was originally described from l'Echiquier (Ninigo) but of which there are no specimens in Tring Museum from Ninigo.

On the birds of Feni and Nissan Islands, east of South New Ireland.

Novit. Zool. 33: 33-48, 1926.

Includes a discussion of specimens of Aplonis cantaroides from Matty and Ninigo, p. 47.

Hartlaub, G.

On a collection of birds from some less-known localities in the western Pacific.

Proc. Zool. Soc. London 1867: 828-832, 1867.

Records Tachypetes minor, from the "Mackenzie group" (possibly Ulithi); several records from l'Echiquier (Ninigo), two of them new species.

Hartlaub, G.

Vier seltene Rallen.

Abhandl. naturw. Ver. Bremen 12: 389-402, 1893.

Discussion of four rare species of birds, one, *Pennula palmeri*, from Laysan.

Hartlaub, G. and Finsch, O.

On a fourth collection of birds from the Pelew and Mackenzie Islands.

Proc. Zool. Soc. London 1872: 87-114, 1872.

Principally reports on a collection of birds made on Palaŋ and Yap by Kubary, but includes at least one record from the Phoenix Islands, *Puffinus dichrous*, p. 109. The Mackenzie group records probably all are from Yap.

Hartmann, A.

Repertorium op de literatuur betreffende de Nederlandsche Koloniën

1-454, The Hague, 1895 (and supplements at least till 1932).

Includes bibliography of the Dutch East Indies arranged by archipelagoes and islands, and by subjects. LC: Z2451. C7 H76.

Hartzer, F.

Les îles blanches des mers du sud.

1-345, Paris, 1900.

Missionary account, but with extensive chapters on natural history and geography of the Gilbert Islands, with some information on the Ellice Islands. Mixture of original and compiled information, one of the fullest accounts of the Gilbert Islands, with many plates from drawings and photos, small maps of individual atolls; bibliography. LC: DU615. H33.

Haskell, D. C.

The United States Exploring Expedition, 1838-1842 and its publications 1844-1874.

1-188, N. Y., 1942.

Historical and bibliographic data. Discusses fully the confusion surrounding the publication of various editions of the different volumes of the expedition reports. LC: Z7405. E9 U63.

Hasert, K.

Die neuen deutschen Erwerbungen in der Südsee:

Die Karolinen, Marianen und Samoa-Inseln.

1-111, Leipzig, 1903.

Compiled, general information, with little specific mention of conditions on atolls. LC: DU60. H35.

Hatheway, W. H.

Report on the southern field trip, September 18-27, 1952.

1-8 [Majuro?], [1952] (mimeographed).

Observations on several of the southern Marshalls concerning agriculture, plant diseases, economic plants, phosphate rock, and the adjustment of the people at Kili.

The land vegetation of Arno Atoll, Marshall Islands. Atoll Res. Bull. 16: 1-68, 1953.

Detailed description of vegetation of atoll, with discussions of history of human occupation, agriculture, plant diseases, etc.; bibliography, maps, photographs.

Hawkesworth, J., ed.

An account of voyages undertaken by the order of His Present Majesty for making discoveries in the southern hemisphere, and successively performed by Commodore Byron, Captain Wallis, Captain Carteret and Captain Cook in the Dolphin, the Swallow and the Endeavour

3 vols., London, 1773.

See under various authors, 1773, and, for Cook, 1893. Useful chart of the various voyages, with old island names, in vol. 1. LC: G420. C65 H3, 1773.

Hayata, B.

Icones Plantarum Formosanarum.

10 vols., Taihoku, 1911-1921.

Includes some atoll plants, e. g. in 3: 156, 1913, two species of *Pisonia* recorded from Pratas. Five supplements issued by Y. Yamamoto, but contain no atoll records. LC: QK369. H3.

Hebard, M.

Dermoptera and Orthoptera from the Society Islands. Bishop Mus. Bull. 113: 57-65, 1933 a.

Mentions *Phisis* sp., recorded from the Tuamotus.

The Dermoptera and Orthoptera of the Marquesas Islands.

Bishop Mus. Bull. 114: 105-140, 1933 b.

Cutillia nitida mentioned from Fakarava.

Hedley, C.

The atoll of Funafuti, Ellice group; its zoology, botany, ethnology, and general structure Australian Mus. Mem. 3: 1-609, 1896 a-1900.

Monographic, with separate treatments of the various animal groups, and of the rock specimens,

by different authors (those of land groups here listed separately), and a general account of the atoll by Hedley. LC: Q115. F95.

Hedley, C.

General account of the atoll of Funafuti.
Australian Mus. Mem. 3: 1-71, 1896 b.

Includes detailed description of topography, soils, climate, vegetation. Notes on economic plants, their uses and cultivation.

The ethnology of Funafuti.

Australian Mus. Mem. 3: 229-304, 1897.

Mentions by name various plants and animals from which implements, clothing, etc. are made.

The broadening of atoll islets.

Nat. Sci. 12: 174-178, 1898.

Includes information on surface features and material found on atolls, especially Funafuti, but with citations concerning others.

The Mollusca.

Australian Mus. Mem. 3: 397-488, 1899 a.

Systematic account, with some ecological notes, including various land and fresh-water gastropods, of the author's collections from Funafuti.

[Hedley, C.]

Summary of the fauna of Funafuti.

Australian Mus. Mem. 3: 513-535, 1899 b.

General summary of Hedley's collections, extracted from the individual reports on them, with some additions from other sources.

A zoogeographic scheme for the mid-Pacific.

Proc. Linn. Soc. N. S. W. 24: 391-417, 1899 c.

Faunistic consideration of Pacific, but with much incidental information on actual species of animals and plants which occur on atolls, also on the characteristics of their faunas and floras.

Heenan, D. Jr.

The birds of Midway Island.

Mid-Pac. Mag. 24: 247-249, 1922.

Popular description, with notes on habits.

Heeres, J. E.

De Mapia-eilanden.

Tijdschr. Kon. Nederl. Aardrijksk. Genoot. II, 17: 97-105, 1900.

Mostly historical; includes information on geography and population.

Heidke, P.

Meteorologische Beobachtungen aus Deutsch-Neu-Guineaeinschließlich des Inselgebiets der Karolinen, Palau und Marianen sowie der Marshall-, Brown- und Providence-Inseln.

Mitt. deutsch. Schutzgeb. 30: 3-170, 1917.

Compilation of meteorological data collected in German Pacific colonies; includes data on temperatures, winds, precipitation, etc., with tables giving type of data, instruments, and original place of publication of information, for each station; stations include Lamotrek, Marshalls, Gilberts, Purdy Islands, Nuguria.

Heimerl, A.

Nyctaginaceae of southeastern Polynesia and other Pacific Islands.

Occ. Pap. Bishop Mus. 13: 27-47, 1937.

Boerhavia diffusa and Pisonia grandis recorded from various Pacific atolls.

Heinl, R. D., Jr.

The defense of Wake.

1-75, Washington, 1947 (U. S. Marine Corps Monograph).

Account of military operations in Dec. 1941; includes photos of the atoll taken before and after the war, showing effect on vegetation. Appendix VII, pp. 74-75, includes description of terrain, and a word on climate. LC: D767. 99. W3 U5, 1947.

Heller, A. A.

Observations on the ferns and flowering plants of the Hawaiian Islands.

Minn. Bot. St. 1: 760-922, 1897.

On pp. 760-761, is a brief remark about Laysan, reporting two plants: Gossypium tomentosum and Scaevola koenigii, of which the former certainly does not occur there.

Heller, E.

Papers from the Hopkins Stanford Galapagos Expedition 1898-1899.

Proc. Wash. Acad. Sci. 5: 39-98, 1903.

Includes, pp. 97-98, Lygosoma arundeli [L. arundelii] Garman, from Clipperton.

Hellweg, J. F.

Eclipse adventures on a desert isle.

Nat. Geogr. Mag. 72: 377-394, 1937.

Popular account of expedition to Canton I., very little information, but a few photographs, including a very good one of Enderbury Island; also brief note of a visit to Enderbury. Unimportant.

Helms, R.

Houtman's Abrolhos.

Jour. Dept. Agr. W. Austr. 5: 33-55, 1902.

Includes description of Pelsart, with notes on flora and fauna. Mentions presence of guano.

Hemsley, W. B.

Report on the botany of Juan Fernandez, the southeastern Moluccas, and the Admiralty Islands. Challenger Reports, Bot. 1 (3): 1-275, 1884-1885.

On pp. 113-116, gives notes on vegetation of Keeling, quoted from Darwin, with lists of plants from Keeling, Diego Garcia, Ducie, and various central Pacific atolls. LC: Q115. C4.

Report on the present state of knowledge of various insular floras.

Challenger Reports, Bot. 1 (1): 1-75, 1885.

Contains short lists of plants from the Amiran-tes, Malden I., Caroline I., Caroline Archipel-ago, Marshall Islands.

Report on the vegetation of Diego Garcia.

Jour. Linn. Soc. Bot. 22: 332-340, 1886.

List of plants of the atoll, including cryptogams, and a description of the geography and vegetation, based on collections and observations of Hume and Bourne.

Recent additions to the literature of insular floras. Nature 42: 322-324, 1890.

Critical remarks on papers then just issued, including one on the Laccadives.

On the genera *Radamaea* Bentham and *Nesogenes* A. de Candolle.

Jour. Linn. Soc. Bot. 41: 311-316, 1913.

Critical notes; includes *Nesogenes euphrasioides*, from various Paumotu Atolls and *N. prostrata* from Agalega.

Flora of Aldabra; with notes on the flora of the neighbouring islands.

Kew Bull. 1919: 108-153, 1919.

In addition to a detailed list of all the plants of Aldabra, brings together all of the available information on the botany, especially the phytogeography and vegetation of various other low islands in the western Indian Ocean; bibliography.

Henninger, J.

Ein Beitrag zur geographischen Verbreitung der beiden pazifischen *Numenius*-Arten.

Ornith. Monatsab. 20: 62-64, 1912.

N. tahitiensis recorded from various atoll groups.

Hennings, P.

Einige Pilzarten von den Marshallinseln.

Notizbl. 1: 226-229, 1897.

Description of plants collected by Schwabe on Jaluit, some of them described as new.

Herrard, J. T.

New or insufficiently known species and new binomials in the genus *Digitaria*.

Med. Rijks Herb. Leiden 61: 1-21, 1930.

Contains a key to section *Solitaria*, including two atoll species.

Monograph of the genus *Digitaria*.

1-999, Leiden, 1950.

Discusses *D. pacifica*, p. 510, and *D. stenotaphrodes*, p. 708, from Pacific atolls.

Henry, T.

Ancient Tahiti.

Bishop Mus. Bull. 48: 1-651, 1928.

Includes "Flora of the Society and Tuamotu Islands", pp. 33-68, largely ethnobotanical information and mostly on Tahiti, but occasional notes on Tuamotuan plants.

Henshaw, H. W.

On the habits and haunts of the Nolo or Hawaiian noddy tern.

Ibis VIII, 1: 196-200, 1901.

Mentions presence of this bird on Laysan.

Birds of the Hawaiian Islands, being a complete list of the birds of the Hawaiian Possessions with notes on their habits.

1-146, Honolulu, 1902.

Often cited in bibliographies as Birds of the Hawaiian Possessions. Lists and discusses the birds of Laysan. LC: QL694. H3 H4.

Henshaw, H. W.

A mid-Pacific bird reservation.

Mid-Pac. Mag. 15: 282-285, 1918.

Short description of Laysan, with notes on vegetation, and, especially, birds. Photos.

Henslow, J. S.

Flora Keelingensis. An account of the native plants of the Keeling Islands.

Mag. Nat. Hist. 1: 337-347, 1838.

Enumeration of plants collected by Darwin, with his notes on occurrence and localities; *Urena gaudichaudiana* described as new, p. 341.

Herbôt, A.

Une relâche aux îles Paracels.

Rev. Mar. n. s. 143: 579-584, 1931.

Includes brief description of islands, unimportant.

Herchenroder, M.

Une perturbation cyclonique en septembre 1944.

Rev. Agr. Maurice 23: 189-193, 1944.

Description of a cyclone which affected at least Diego Garcia. Other reports on cyclones in this and other volumes, by same author, mention their passage near atolls, but with no notes on possible effects.

Hercouët, C.

Note sur un archipel peu connu de la Micronésie (îles Francis, Gilbert ou Kingsmill).

Bull. Géogr. Hist. Descr. 1895: 424-436, 1896.

See next entry.

Un archipel peu connu de la Micronésie (îles Francis, Gilbert ou Kingsmill).

Arch. Med. Nav. 67: 435-449, 1897 a.

General notes on the Gilbert Islands by a Navy doctor who visited them. Includes notes on native life, climate, plants, etc. Map.

Un archipel peu connu de la Micronésie (îles Francis, Gilbert ou Kingsmill).

Bull. Soc. Géogr. Est 19: 258-268, 1897 b.

A reprint of Hercouët, 1897 a, but without map or illustrations.

Hermann, R.

Zur Statistik der Eingeborenen der deutschen Südseegebiete.

Zeitschr. Kol. Politik 11: 550-568, 626-641, 1909.

Includes population figures for atolls of the Marshall and Caroline groups, mentioning the role of epidemics and typhoons in reducing population.

Herns, W. B.

Entomological observations on Fanning and Washington Islands, together with general biological notes. Pan-Pacific Entom. 2: 49-54, 1925.

Account of land fauna and flora, with ecological and geographic notes.

Diocalandra taitensis (Guerin) and other coconut pests of Fanning and Washington Islands.

Philipp. Jour. Sci. 30: 243-271, 1926.

Includes description of islands, with sketch-maps, notes on climate, vegetation, coconut plantations. Study of main pests (rats, insects), with description of damage and control measures.

Hernsheim, F.

Südsee-Erinnerungen (1875-1880).

1-190, Berlin, 1883.

Memoirs of a German consul on Jaluit; superficial description of Jaluit, mentions of main economic plants, vegetation, animals; several reproductions of paintings in color, showing aspect of atoll. NYPL:BIH+.

Hertlein, L. G. and Emerson, W. K.

Mollusks from Clipperton Island (eastern Pacific) with the description of a new species of gastropod. Trans. San Diego Soc. N. H. 11: 345-364, 1953.

Mostly on marine forms, but gives a geographic description and a photo of the island, records one land snail *Opeas oparanum* Pfeiff., p. 352; bibliography.

Hervé, F.

L'hufre perlère et la perle dans les lagons de l'archipel des Tuamotu.

1-143, Paris, 1934.

Includes brief geographical notes on Tuamotu atolls where pearls are formed. Paris AGOM.

Heuzé, G.

Les plantes alimentaires des pays chauds et des colonies. Ed. 2.

1-381, Paris, 1899.

Comprehensive treatment of tropical food plants, with geographic ranges, short descriptions, notes on cultivation and use, etc. Rarely mentions atoll occurrences, as on p. 352. LC: SB107. H6.

- Heyerdahl, T.
Kon-Tiki.
1-304, N. Y., 1950.
Popular account of raft journey from Peru to the Tuamotus; on p. 219 is a short account of the Tuamotus, especially Raroia; photographs. LC: G530. H463, 1950 a.
- Hilder, B.
Washington Island.
Walkabout 15 (8): 32-36, 1949.
Popular article, with notes on the peat bog, and photographs.
- King Neptune's children.
Walkabout 16 (6): 18-20, 1950.
Popular notes on Gilbert Islands; includes good photo of native meeting-house on Tabiteuea.
- Hill, F. F.
Crabs of Fanning Island.
Walkabout 18 (4): 17-19, 1952.
Popular notes on coconut and other land crabs.
- Hill, G. F.
Termites from the Ellice group.
Proc. R. Soc. Victoria 38: 95-99, 1926.
Two species collected by Buxton, one of them new: *Calotermes (Neotermes) rainbowi*.
- Termites (Isoptera) from the Australian region.
1-479, Melbourne, 1942 (published by Council for Scientific and Industrial Research, Commonwealth of Australia).
Systematic; includes a few records from atolls; *Calotermes (Neotermes) rainbowi*, from Ellice Islands, p. 55, *Prohinotermes inopinatus* from Ellice Is., p. 138, *Calotermes (Cryptotermes) buxtoni*=*Cryptotermes hermai*, from Fanning, Oeno and Flint, pp. 70-72. LC: QL513. T3 H478.
- Hincks, W. D.
The Dermaptera of Oceania.
Jour. Feder. Malay St. Mus. 18: 299-318, 1938.
A list with bibliography; includes various records from atolls; Palmyra, Laysan, Ellice Is.
- Hindwood, K. A.
The occurrence of the white tailed tropic-bird in Australia.
Emu 38: 12-14, 1938.
Records species from various Pacific atolls and mentions that it is an occasional visitor on Houtman's Abrolhos.
- Hines, N. O.
Bikini report.
Sci. Mo. 72: 102-113, 1951.
Popular account of Bikini after the bomb explosion, with some information on its effects, though mostly on marine life and distribution of residual radioactivity; short accounts of expeditions since the explosion; several photographs.
- Hiroa, T. R.
See Duck, P. H.
- Hirose, T.
Some new aberrant forms of Japanese butterflies.
Trans. Kansai Ent. Soc. 4: 35-37, 1933.
Includes a new form of *Hypolimnas bolina jaluia*, from Jaluit.
- Butterflies from Marshall and Caroline Islands.
Trans. Kansai Ent. Soc. 5: 29-31, 1934 a.
In Japanese, except for Latin names.
- On two new aberrant forms of *Hypolimnas bolina jaluia* Fruhstorfer from Marshall Islands.
Trans. Kansai Ent. Soc. 5: 25-28, 1934 b.
Two new forms, from Ailinaraprap, Jaluit and Ebon.
- Hirst, S.
The Araneae, Opiliones, and Pseudoscorpiones.
Trans. Linn. Soc. Zool. II, 14: 379-395, 1911.
Systematic account of collections of Percy Sladen Expedition, with a number of spiders recorded from atolls of western Indian Ocean.
- Second report on the Arachnida--the scorpions, Pedipalpi, and supplementary notes on the Opiliones and pseudoscorpions.
Trans. Linn. Soc. Zool. II, 16: 31-37, 1913.
Reports one scorpion, *Isometrus maculatus*, from Bird and Dennis Is., Seychelles.
- Hitchcock, A. S.
Grasses of the Hawaiian Islands.
Bishop Mus. Mem. 8 (3): 1-132, 1922.
Systematic treatment, mentioning several species from the Hawaiian atolls and Palmyra. LC: QK495. G74 H517.

Hitchcock, C. H.

Hawaii and its volcanoes.

1-314, Honolulu, 1909.

Geological, with a section on physiography which includes, pp. 1, 4-8, a section on the low islands of the Leeward chain, giving a brief sketch of their geology and natural history: photograph and maps. LC: QE524. H6.

Hobbs, W. H.

Fortress islands of the Pacific.

1-186, Ann Arbor, Mich., 1945.

Miscellaneous geographical information on many atolls, including whatever the author thought might be of military interest; a map of each island treated, and sketches by the author of some. Author has travelled extensively in the Pacific. LC: GB458. H6.

Hochstetter, F. von

Das Stewart-Atoll im Stillen Ocean: in, Reise der Oesterreichischen Fregatte Novara

Geologischer Theil II, 1: 153-161, 1866.

Description of the atoll with special account of Faule Islet. Mentions presence of pumice and describes briefly the luxuriant vegetation. Short list of plants (main collections not yet described) and sketch maps. LC: Q115. N9g.

Gesammelte Reise-Berichte von der Erdumsegelung der Fregatte "Novara" 1857-1859.

1-340, Wien, 1885.

Account of voyage; includes, pp. 294-297, brief description of Sikayana. LC: Q115. N8985.

Hockly, T. W.

The two thousand isles.

1-191, London, 1935.

Account of a trip to the Maldivé Islands. Includes some information on the islands, especially Male, mentions of some economic plants and animals, material culture, etc. Mostly concerned with the population, their history, customs, etc. LC: DS491. M3 H6.

Hoffmann, H.

Ueber Vaginuliden aus dem Reichsmuseum Stockholm.

Ark. Zool. 19A (25): 1-39, 1928.

Systematic revision; includes, p. 37, *Sempera maculata*, recorded from Nordwachter I. (Duisen-Eilanden).

Hogan, J.

Bird notes from Willis Island.

Emu 24: 266-275, 1925.-

Observations on birds, and their habits.

Hogbin, H. I.

Ontong Java.

Austral. Geogr. 1 (2): 86-91, 1929.

Brief note, with paragraph on climate and topography, foods. Sketch map.

The social organization of Ontong Java.

Oceania 1: 399-425, 1931.

Includes a brief description with notes on climate; sketch maps. Notes abundance of mosquitoes.

Coconuts and coral islands.

Nat. Geogr. Mag. 65: 265-298, 1934 a.

Popular account of life on Ontong Java, with geographical and economic information, notes on plants, agriculture, many photographs, some showing vegetation; map.

Law and order in Polynesia.

1-296, N. Y., 1934 b.

Includes, pp. 89-94, a brief description of Ontong Java, with some notes on foods and material culture, and some photos. LC: Law.

Peoples of the southwest Pacific.

1-26, N. Y., 1945.

Album of photos with comments and an introduction on native peoples of New Guinea and the Solomon Islands; includes some photos showing aspect of vegetation and scenes of native life on Ontong-Java. LC: GN62. H6.

Holden, E. S. et al.

Report of the operations of American expedition to observe the total eclipse, 1883, May 6, at Caroline Island, south Pacific Ocean.

Mem. Nat. Acad. Sci. 2: 8-146, 1884.

Comprehensive account, with treatments of the history, description, meteorology, botany, and zoology of the island, with a map and several pictures, including a highly imaginative bird's eye view of the island. Separate accounts cross-referenced by authors here. Holden's description is, unfortunately, a quotation from Dana's and Darwin's descriptions of other atolls.

Holdhaus, K.

Die geographische Verbreitung der Insekten: in, Schröder, C., Handbuch der Entomologie, 2: 592-1057, 1928.

A comprehensive summary of the distribution of insects in the world, down to genera, with many records from atolls, and with special sections on Jaluit, the coral islands of the Madagascar region, Cocos-Keeling, Chagos, Laccadives and Maldives, Seychelles and Amirantes; zoogeographic discussion, map of zoogeographic regions of world, and extensive bibliographies.

Die Verbreitung der Insekten auf den Inseln des Pacifischen Oceans.

Mém. Soc. Biogéogr. 4: 201-218, 1934.

Contains various items on occurrences on atolls. Bibliography.

Holland, W. J.

List of the Lepidoptera from Aldabra, Seychelles and other east African Islands, collected by Dr. W. L. Abbott.

Proc. U. S. Nat. Mus. 18: 265-273, 1896.

Contains several species from Glorioso, Providence and the Amirantes.

Holman, J.

Travels in China, New Zealand, Ed. 2. 4 vols., London, 1840.

Contains, vol. 4, pp. 374-388, Keating's and Mangles' accounts of Cocos Keeling Is. LC: G440. H75.

Holmes, M.

Captain James Cook, R. N., F. R. S. A bibliographical excursion.

1-103, London, 1952, revised edition.

Annotated bibliography. First edition, 1936.

LC: Z8191. H74, 1952.

Holmgren, N. F.

Isoptera.

Trans. Linn. Soc. Zool. II, 14: 135-148, 1910.

Systematic treatment of collections of Percy Sladen Expedition, reporting one termite, *Arrhiotermes canalifrons*, from Amirantes.

Holthuis, L. B.

Enumeration of the decapod and stomatopod Crustacea from Pacific coral islands.

Atoll Res. Bull. 24: 1-66, 1953.

Identification of crustacean collections of Pacific Science Board expeditions to Arno, Onotoa and Raroia, and of Geological Survey expedi-

tion to the Marshall Islands. Includes land and shore crustaceans.

Holzschneider, H.

Die Vogelberge, Guano- und Inselphosphatlagernstätten der Erde.

1-104, Düsseldorf, 1937.

Monograph (thesis), with only a few direct references to guano or phosphates on atolls, but useful as general reference (composition, origin, formation, exploitation, etc. of guano and phosphates). CY: U18. 1937. H74.

Hongkong Royal Observatory.

Monthly meteorological bulletin.

1926-1932, Hongkong, 1926-1932.

These bulletins include data from Pratas Island. Information on tracks of typhoons. LC: QC990. C5 H8.

Hoogerwerf, A.

An ornithological bibliography having particular reference to the study of the birds of Java.

Bull. Org. Sci. Res. Indonesia nos. 13-16, 1953.

Extensive alphabetical list with (no. 13) an index to species, some localities and various biological subjects. Includes titles referring to atolls.

Hooker, J. D.

On the vegetation of the Galapagos archipelago, as compared with that of some other tropical islands and of the continent of America.

Trans. Linn. Soc. 20: 235-262, 1847.

Discussion of affinities of the Galapagos flora; includes, p. 253, a list of species known from Malden.

The botany of the Antarctic voyage of H. M. discovery ships Erebus and Terror in the years 1839-1843 Part III. Flora Tasmaniae. 2 vols., London, 1860.

The Introductory essay, on plant geography briefly mentions the small floras of low islands. LC: QK5. E6, rare books.

-----, ed.

Journal of the Right Hon. Sir Joseph Banks ...

See Banks, J., 1896.

Hooker, W. J., and Arnott, G. A. W.

The botany of Captain Beechey's voyage ... , performed in His Majesty's ship, "Blossom," in the years 1825, 26, 27, and 28.

1-485, London, 1830-1841.

Pp. 1-48 were issued in 1830: 49-144, in 1832.

The descriptions, pp. 1-96, were reprinted in *Real, Rep. Bot.* 1-38. For data on the dates of issue, see Jackson, B. D., *Jour. Bot.* 31: 297-299, 1893. The section on the Society Islands, pp. 59-78, includes Ducie and several of the Tuamotus, as well as high islands. Exact localities are given for only a few of the plants recorded. A basic work in Pacific botany, but, unfortunately, treated very casually by its authors.
LC: QK5. B4.

Hopkins, G. H. E.

Pests of economic plants in Samoa and other island groups.

Bull. Ent. Res. 18: 23-32, 1927.

Results of survey by Buxton (which see); includes mentions of *Saissetia nigra* on Swain's I., *Pinaspis minor* from Ellice Is. (on coconut) and Swain's (on banana), *Calotermes rainbowi* (with photo of damage to coconut palm), *Polychrosis botrana* and *Agonoxena argaula* from Ellice Is.

[Horii, E.]

[Report on the zoological investigation of the newly occupied South Sea Islands]; in, [Department of Education . . .], [Report . . .], 234-266, Tokyo, 1916.

Gives a list of specimens (poor identifications and many typographical errors) collected by the author on various islands, including Jaluit, in 1914-1915. Some notes on topography, animal distribution, and useful and noxious animals. Abstract Takeda.

Hornell, J.

The common molluscs of South India.
Madras Fish. Dept. Rept. 1921 no. 6: 97-215, 1922.

The appendix, pp. 213-215, Molluscan fauna of the Laccadive Islands, includes *Melampus fasciatus*, and reports *Melania tuberculata* as the only fresh-water mollusc.

The canoes of Polynesia, Fiji and Micronesia; in, Haddon and Hornell, *The canoes of Oceania.* Bishop Mus. Spec. Pub. 27: 1-454, 1936.

Includes treatment of canoes of Tuamotus, pp. 50-92, Manihiki area, pp. 176-194, Marshalls, pp. 361-374, and Carolines, pp. 374-412, with some mention of trees used for materials.

Horsburgh, J.

Some remarks relative to the geography of the Maldiva Islands . . .

Jour. R. Geogr. Soc. London 2: 72-80, 1832.

Very little actual information on the islands, but may be useful because of map, to identify old names of atolls.

Horst, R.

On the habits of the cocoa-nut crab or palm thief (*Birgus latro* Fabr.)

Notes Leyden Mus. 23: 143-146, 1902.

Discussion of literature on crab and description of observations made by Sluiter in Batavia (laboratory) and on "Duizend eilanden." Concluding that the crab is nocturnal in habit, and does climb trees.

Hosaka, E. Y.

Botanical report on Micronesia.

U. S. Commercial Company Economic Survey of Micronesia 13-2: 1-68, 1946 (unpublished).

Includes sections on vegetation and agriculture of Ulithi, Kapingamarangi, Nukuoro, and Eniwetok, and a list of useful plants with native names, some of which are from these atolls; two photographs of Kapingamarangi.

Hosokawa, T.

Materials of the botanical research towards the flora of Micronesia.

Trans. Nat. Hist. Soc. Formosa 24: 197-205, (II) 414-415, 1934; (III) 25: 17-30, (IV) 117-128, (V) 242-247, (VI) 261-269, (VII) 434-443, 1935; (VIII) 26: 44-51, 1936; (IX) *Jour. Soc. Trop. Agr.* 7: 305-325, 1935; (X) *Trans. Nat. Hist. Soc. Formosa* 26: 67-79, (XI) 115-126, (XII) 227-235, (XIII) 244-248, 1936; (XIV) *Jour. Jap. Bot.* 13: 191-203, (XV) 274-284, (XVI) 603-617, 1937; (XVII) *Trans. Nat. Hist. Soc. Formosa* 28: 61-67, (XVIII) 145-157, 1938; (XIX) *Jour. Jap. Bot.* 16: 535-545, 1940; (XX) *Trans. Nat. Hist. Soc. Formosa* 31: 39-46, (XXI) 286-291, (XXII) 283-288, 1942; (XXIII) 32: 5-20, (XXIV) 101-105, (XXV) 283-288, 1942; (XXVI) *Act. Phytotax. Geobot.* 13: 163-171, 1944.

Critical notes and revisions of many genera for Micronesia, including some from atolls.

H[osokawa], T.

[Materials for the study of Micronesian plants]; in, Yamamoto, et al., *Materials for the floras of Formosa and Micronesia* 35-44, [Taihoku], [1936].

Mentions, p. 40, *Pandanus pulposus*, from the Marshalls; a number of articles dealing with atolls cited in the bibliography. Largely in Japanese.

Hosokawa, T.

Epiphyte-quotient.

Bot. Mag. (Tokyo) 63: 18-20, 1950.

- An attempt to establish a relationship between the percentage of epiphytes in the flora to climate, comparing Jaluit and several wet Pacific equatorial islands with several dry Pacific equatorial islands.
- Hu, S. M. K.
Palmyra Island mosquitoes.
Proc. Hawaiian Ent. Soc. 14: 5, 1950.
Indicates that only *Culex quinquefasciatus* is present on Palmyra (no mosquitoes were present before World War II).
- Hubbard, C. E. and Vaughan, R. E.
The grasses of Mauritius and Rodriguez.
1-128, [London?], 1940.
Statements of distribution include mention of atolls of the Indian Ocean. DA: 460.51 H86.
- Hudson, L. G.
Demography and hunger.
Pac. Sci. Am. Inf. Bull. PS/53/3-4: (1)-(13), 1953.
A review of land-use and food production in the Pacific area; includes, p. 11, some figures for copra production in some atoll groups.
- Hudson, L. G., and Cameron, C. E. R.
Report on survey trip to Marianas, Marshalls, Gilberts.
1-15, [Honolulu, 1944] (mimeographed).
Includes lists of useful plants, notes on uses, foods, animals, water supply, etc. on Kwajalein, Eniwetok, Makin, and Tarawa.
- Hudson, O.
Uncle Sam's ocean park.
Mid-Pac. Mag. 1: 339-343, 1911.
Brief, unimportant descriptions of Leeward Hawaiian Is. with a few photos, some data on birds.
- Hughes, J. S.
Kings of the Cocos.
1-164, London, 1950.
Historical account of Cocos-Keeling. Includes scattered notes on geography, plants and animals, climate, effect of storms, etc. Interesting notes on present conditions, especially critical increase in population. Photos, map. LC: DS491. K4 H8.
- Hull, A. F. B.
The birds of Lord Howe and Norfolk Islands.
Proc. Linn. Soc. N. S. W. 34: 636-693, 1910.
Mentions some atoll records in statements of distribution.
- Hull, F. M.
A check list of the Syrphidae of Oceania.
Occ. Pap. Bishop Mus. 13: 79-87, 1937.
Symosyrphus grandicornis recorded from Johnston I., and *Ischiodon acutellaris* from Johnston and Wake Is. Bibliography.
- Hume, A. O.
The Laccadives and the West Coast.
Stray Feathers 4: 413-483, 1876.
Account of trip, with maps of atolls visited, description of islands, incidentally mentioning vegetation and plants; enumeration of birds collected, with notes.
- Remarks on the genus *Sula*.
Stray Feathers 5: 304-322, 1877.
Includes a few records from atolls.
- Hummelink, P. W.
Land and freshwater mollusks from the smaller Venezuelan Islands.
Arch. Neerl. Zool. 4: 352-354, 1940.
Says that no mollusks could be found on Las Aves, when the islands were briefly visited in 1936.
- H[umphrey], O. J.
Wreck of the "Rainier."
1-148, Portland, Me., 1887.
Picturesque account of the wreck of the "Rainier" on a reef in the Marshalls. Unimportant. LC: DU 710. H8.
- Hunt, H. A.
Meteorology of Australia. 3. Results of rainfall observations made in Queensland.
1-285, Melbourne, 1914.
Includes an appendix containing information on Papua and islands of the Pacific, i. e. p. 250, Fanning, Washington, Malden and p. 256, Hull, Sydney, Christmas and Flint. LC: QC925. 7 Q5 A5, 1913.
- Hunter, J.
An historical journal of the transactions at Port Jackson and Norfolk Island....
1-583, London, 1793.
Account of Hunter's voyages: He discovered Steward Island (Sikaiana), and rediscovered Ontong Java (which he named Lord Howe). Mentions a few other atolls (Phillip Is. i. e., Sorol). Little

- information, mostly interesting historically.
LC: DU172. H94, 1793 a.
- Hunter, W. W.
Laccadives Islands.
Imp. Gaz. India ed. 2, 8: 392-396, 1886.
Short general geographic account, with section on physical aspects, including surface features, soil, plants and animals. LC: DS405. H 94.
- Hutchin, J. J. K.
Traditions and some words of the language of Danger or Pukapuka Island.
Jour. Polyn. Soc. 13: 173-174, 1904.
Mainly ethnological but contains mention of several food plants; identities somewhat questionable.
- Hutchings, J. W.
Tropical cyclones in the southwest Pacific.
N. Z. Geogr. 9: 37-57, 1953.
Discusses nature, origin, frequency, paths and seasonality, with many maps of paths and belts of frequency; area includes many atolls.
- Hutchinson, G. E.
Survey of contemporary knowledge of biogeochemistry. 3. The biogeochemistry of vertebrate excretion.
Bull. Am. Mus. Nat. Hist. 96: 1-554, 1950.
Monographic summary of information relating to guano and phosphate accumulation. Includes much information on geography, climate, soils, vegetation, birds, and guano exploitation on various atolls in all parts of the tropics. Summarizes all information known to the author. Maps; bibliography, photographs.
- Hutchinson, R. C.
Phosphate deposits in New Guinea.
N. Guinea Agr. Gaz. 7: 239-248, 1941.
Includes information on phosphate deposits on the Purdy Islands, and Wuwulu, Aua, Manu Islands. Some brief description of the islands and their surface features. Maps, photos.
- [Huxley, T. H.] Huxley, J. S. ed.
Diary of the voyage of H. M. S. Rattlesnake. 1-372, London, 1935.
Includes very little information on coral islets in the Louisiades. More information in McGillivray, 1852. LC: QH31. H9 A3, 1935.
- I., U.
Les Tuamotu.
Océan. Franç. 13: 47-54, 1918.
General information on geography and economy.
- [Ibn Baṭūṭah]
Voyages d'Ibn Batoutah.... [C. Defrémery and B. R. Sanguinetti, editors].
4 vols., Paris, 1854-1858.
The first complete edition and translation of Ibn Baṭūṭah's manuscripts. Vol. 2: 206-211, 1854, includes a vivid description of the coconut palm and its uses, especially as food. Vol. 4: 110-164, 1858, includes account of author's sojourn in the Maldives, around 1343, with brief description of the atolls, and notes on coconuts and other food plants. LC: PJ7824. I3.
- [-----]
Ibn Battūta: Travels in Asia and Africa 1325-1354. 1-308, London, New York, 1929, translated and selected by H. A. R. Gibb.
The selection includes interesting early description of the Maldives pp. 241-254, with, pp. 114-115, an account of coconut, coconut palm, coconut-bud syrup. Gibb considers this as the earliest descriptive account of the Maldives, it may well be also the earliest account of an atoll group. See also Bell, 1883. LC: G490. I2, 1929 a.
- Imazeki, R.
Studies on Ganoderma of Nippon.
Bull. Tokyo Sci. Mus. 1: 29-52, 1939.
Systematic, records at least one species, *G. boninense*, from Tokobei I. (Tob), p. 46. Japanese, with English summary, scientific names, synonymy and distribution in Roman type.
- India. Meteorological Department.
India weather review, 1936. Annual Summary Part A.
A1-A51, 1938.
This and other annual summaries include meteorological data from Minicoy and the Laccadives. LC: QC990. I333.
- Iremonger, L.
It's a bigger life.
1-191, London, etc. [1948].
Entertaining account of everyday life on Funafuti, with visits to other Ellice Islands, and Tarawa, Gilberts; much incidental information on local conditions, insect pests, etc., a few photographs. LC: DU615. I7.

[Irmer, G.]

Bericht des Kaiserl. Landeshauptmanns den Marshall-Inseln über eine Reise nach einer Reihe von Inseln des Schutzgebietes.

D. Kolonialbl. 6: 142-145, 1895.

Includes some information on Namorik, Ebon, Majuro and Arno. Notes on coconut plantations, economic plants, etc.

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Reise des Landeshauptmanns.

D. Kolonialbl. 7: 161-162, 1896.

Brief descriptions of various atolls visited such as Mejit, Gaspar Rico, Bikar, and Eniwetok. On Pokak, notes presence of several meters of guano earth, and immense numbers of birds. On Eniwetok mentions the presence of 60 natives.

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Reise des Kaiserlichen Landeshauptmanns nach Milie und Maloelab.

D. Kolonialbl. 8: 103, 1897 a.

Includes brief mention of coconut plantations on the atolls.

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Dienstreise des Kaiserlichen Landeshauptmanns im Jaluit-Atoll.

D. Kolonialbl. 8: 135, 1897 b.

Brief notes on some islets of Jaluit. See also photo, p. 244.

Ives, R. L.

Hurricane on the west coast of Mexico.

Proc. 7th Pac. Sci. Cong. 3: 21-31, 1952.

Mentions, p. 25, that some of the storms discussed may pass near Clipperton.

Jackson, H. G.

Terrestrial isopods of southeastern Polynesia.

Occ. Pap. Bishop Mus. 14: 167-192, 1938.

Isopods reported from Maria, Fanning, and Christmas islands. Bibliography.

[-----]

Check-list of the terrestrial and fresh-water Iso-poda of Oceania.

Smiths. Misc. Coll. 99 (8): 1-35, 1941.

A list, with notes on distribution, bibliography. Includes several species recorded from various Pacific atolls.

Jacot, A. P.

New oribatoid mites.

Psyche 35: 213-215, 1928.

Includes *Indotritia bryaní*, n. sp., from Wake.

Jacot, A. P.

Concerning the genus *Neoliodes* (Oribatoidea-Acarina).

Trans. Am. Microscop. Soc. 48: 30-43, 1929.

Udaliodes hawaiiensis wakensis, subsp. n., from Wake and Funafuti; *U. lamellatus*, Funafuti; *U. funafutiensis*, sp. n., Funafuti.

Jacquier, H.

Etude de l'alimentation des indigènes aux établissements français de l'Océanie.

Ann. Med. Pharm. Col. 34: 280-297, 1936.

Includes analyses of water from water holes of Fakarava, Takapoto, Takume (Tuamotus) and Tupai (Society Is.) and from cisterns of Fakarava and Takapoto. Information on diet and food is general for the various archipelagoes, with only a few direct mentions of Tuamotus.

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Contribution à l'étude de l'alimentation et de l'hygiène alimentaire en Océanie française.

Bull. Soc. Et. Océan. 7 (16): 584-606, 1949.

Concerns mostly the high islands, but includes some information on foods used in the Tuamotus, and their nutritional value; pp. 590-592 include tables of analysis of water supplies in some of the Tuamotus.

Jagt, A. van der

Beschrijving der Kokos of Keeling-Eilanden.

Verhand. Batav. Genootschap Kunst. Wet. 13: 293-322, 1832.

Geographical description, with account of climate, products, and history; map and profile sketches.

James,

Capt. James' report of the cruise of the Morning Star.

Friend 21: 37-38, 1864.

Includes note on some unexplained cataclysm observed on Providence I. (Ujelang), and mention of plants. See also editorial note, p. 36, Volcano on a coral island, and Sturges, 1865.

Jenkins, W. S.

Wartime canoe building in the Marshall Islands.

Am. Neptune 6: 71-72, 1946.

Notes on conditions on Eniwetok after American landing in 1944, and account of canoe building; several photos showing canoes.

- Jensen, S.
From Johnston Island.
Elepaio 9: 66, 1949.
Notes on birds.
- Jeschke, C.
Bericht über den Orkan in den Marshall-Inseln
am 30 Juni 1905.
Petermanns Mitt. 51: 248-249, 1905.
Effects of typhoon on various atolls of the
southern Marshalls. Map showing path of typhoon
and importance of damage in various places.
(plate facing p. 208 of section "Literatur-Bericht").
- Bericht über die Marshall-Inseln.
Petermanns Mitt. 52: 270-277, 1906.
Geographical account, mentioning visits to
many atolls.
- Johnston, I. (Capt. and Mrs.)
Westward bound in the schooner Yankee.
1-348, N. Y., 1936.
Popular account of voyage, with information
on Palmerston, Ninigo, and Cocos-Keeling,
mainly geographical and historical, with account
of hurricane on Palmerston. LC: G440. J66.
- Johnson, J. H.
Suggestions for collecting modern and fossil
calcareous algae.
Atoll Res. Bull. 17: 63-64, 1953.
Includes suggestions on obtaining material of
algal components of limestones.
- Johnson, M. S.
Rodent control on Midway Islands.
U. S. Naval Med. Bull. 45: 384-398, 1945.
Discusses the introduction and increase of rats,
damage done (destruction of birds), experimental
work on rat control; recognizes two rats: *Rattus*
rattus and *R. rattus alexandrinus*.
- Johnston, I. M.
Studies in the Boraginaceae XI.
Jour. Arnold Arb. 16: 145-205, 1935.
Systematic; includes, p. 164, *Messerschmidia*
argentea, comb. nov., mentioned from various
atolls.
- Studies in the Boraginaceae XII.
Jour. Arnold Arb. 18: 1-25, 1937.
Heliotropium anomalum var. *mediale* described
from Fanning and Christmas Islands, p. 21.
- Johnston, J. R.
The history and cause of the coconut bud-rot.
U. S. D. A. Bur. Plant Ind. Bull. 228: 1-175,
1912.
Exhaustive investigation and discussion of a
disease of enormous potential consequence to atoll
agriculture, but no direct reference to atolls.
- Johnston, W. B.
Land, people, and progress in the Cook Islands.
Econ. Geogr. 29: 107-124, 1953.
Concerns mostly the high islands but includes
information on geography, (area, population, etc.)
of the atolls; general notes on climate, agricultural
plants; on p. 123, reports that some families were
taken to Suwarow from Pukapuka.
- Johnstone, D. B.
Soil actinomycetes of Bikini Atoll with special
reference to their antagonistic properties.
Soil Sci. 64: 453-458, 1947.
Reports studies on actinomycetes, cultured from
soil samples from Bikini and Rongelap. Other bacte-
ria and fungi are mentioned, the habitat described,
with some mention of humus accumulating under
Tournefortia and *Pisonia* trees. Streptomycin pro-
duced by one actinomycete, *Streptomyces bikiniensis*.
- Johnstone, D. B. and Waksman, S. A.
Streptomycin II, an antibiotic substance produced
by a new species of *Streptomyces*.
Proc. Soc. Exp. Biol. Med. 65: 294-295, 1947.
Streptomyces bikiniensis described from Bikini
Atoll.
- Jones, K. W.
Tarawa Atoll.
Fortn. 175: 391-397, 1951.
Notes on effects of war on Tarawa, and post-war
reconstruction.
- Jordan, K.
Coleoptera: Anthribidae.
Trans. Linn. Soc. Zool. II, 16: 247-267, 1914.
Systematic, records *Araecerus faaciculatus*, from
Cargados Carajos.
- In memory of Lord Rothschild.
Nov. Zool. 41: 1-41, 1938.
Biography and list of all papers.
- On the constancy and variability of the differences

- between the Old World species of *Utetheisa* (Lepid.; Arctiidae).
 Novit. Zool. 41: 251-291, 1939.
 Discusses *U. pulchelloides* from Tuamotus, Ellice, Wake, Marshalls, p. 262; *U. lactea lactea*, pp. 271-272, from Farquhar and Glorioso; *U. pulchelloides pulchelloides* from Chagos and Amirantes; *U. pulchelloides marshallorum* from Marshalls, Gilberts, Ellice, Tuamotus, Union Is.; *U. pulchelloides darwini*, subsp. nov., from Keeling Is.
- Jore, L.
 Essai de bibliographie du Pacifique.
 1-233, Paris, 1931.
 General bibliography, very incomplete, but containing many references to little known works, especially on French Oceania. Paris AGOM.
- Jouan, H.
 Note sur les îles basses et les récifs de corail du Grand-Océan.
 Mém. Soc. Sci. Nat. Cherbourg 7: 148-170, 1866.
 General considerations on atolls, with a few descriptive notes on the Tuamotus.
-
- Recherches sur l'origine et la provenance de certain végétaux phanérogames observés dans les îles du Grand-Océan.
 Mém. Soc. Sci. Nat. Cherbourg 11: 81-178, 1865.
 The author who lived in several groups of islands in French Oceania gives lists of plants for each of them, including the Tuamotus; includes notes on uses, cultivation, probable manner of introduction, etc. Partly compiled from sources cited in text.
-
- Les plantes alimentaires de l'Océanie.
 Mém. Soc. Sci. Nat. Cherbourg 19: 33-83, 1875.
 Information on various food plants with notes on uses and cultivation on various Pacific Islands, including Tuamotus.
-
- Les îles du Pacifique.
 1-192, Paris, 1900.
 Brief geographical summary, with unimportant mentions of atolls. Paris MH: DUI6. J86.
- Joubin, L.
 Bancs et récifs de coraux (madrépores).-Texte.-
 Carte.
 Ann. Inst. Océanogr. 4 (2): 1-7, 5 sheets, 1912.
 Text mentions sources used for map of world distribution of coral reefs.
- Joyce, C. R.
Sarcophaga ruficornis (Fabr.).
 Proc. Hawaiian Ent. Soc. 13: 338, 1949.
 Includes record from Chagos.
- Judd, J. W.
 General report on the materials sent from Funafuti ...: in, Royal Society of London, The atoll of Funafuti, 167-187, 1904.
 Includes a list of memoirs describing the botanical and zoological collections.
- Jukes, J. B.
 Narrative of the surveying voyage of H. M. S. Fly
 2 vols., London, 1847.
 Vol. 1: 126-131, 337-340, includes information on Raine Islet, with a sketch map: description, notes on surface features, soil, presence of pumice, abundance of birds, plants, etc. See also vol. 2: 265-267, for account of building of a beacon on Raine. LC: DS691. J94.
- Jung, E.
 Die Insel Mapia.
 D. Kol. Zeit. 16: 380, 1899.
 "Three flat, well wooded islets on its coral reef, along with two sandbanks covered with grass and shrubs."
- Jungmichel,
 De St. Davids- of Mapia-eilanden, benoorden Nieuw-Guinea.
 Tijdschr. Ind. Taal-, Land- en Volk. IV, 2: 155-156, 1862.
 Includes brief description of island and natives. Mentions presence of coconut and breadfruit trees, the fruit of which are the main food of the people. Mentions that turtles are eaten, but not the coconut crab, although it is plentiful. Abstract Holthuis.
- Jutting, W. S. S. van Benthem
 See Benthem Jutting.
- K., E.
 Orkan in den Marschall-Inseln am 30. Juni 1905.
 Ann. Hydrogr. 35: 183-184, 1907.
 Summary of Jeschke, 1905.
- Kanehira, R.
 [Forests and plants of the South Seas Occupied

Islands].

Dainippon Sanrin Kaibō 394; 18-32; 395; 1-17, 1915; 401; 54-61, 1916.

General sketch, in Japanese, of flora and vegetation, mostly about high islands, but with a few mentions of plants occurring in Jaluit. Tr.

Kanehira, R.

New or noteworthy trees from Micronesia. I. Bot. Mag. (Tokyo) 46: 449-457, (II) 485-495, (III) 669-674, 1932; (IV) 47; 669-680, 1933; (V) 48; 116-130, (VI) 400-405, (VII) 730-736, (VIII) 919-927, 1934; (IX) 49; 60-68, (X) 103-114, (XI) 185-195, (XII) 271-279, (XIII) 352-358, (XIV) 425-431, (XV) 525-532, 1935; (XVI) 50; 520-525, (XVII) 541-549, (XVIII) 599-607, 1936; (XIX) 51; 906-913, 1937; (XX) 52; 235-241, 1938.

See Kanehira and Hatsumima for last numbers and annotation.

An enumeration of Micronesian plants.

Jour. Dept. Agr. Kyushu Univ. 4: 237-464, 1935 a.

Historical account of collections with bibliography, including a list of collections of author and his associates, from 1929 on. Systematic list of plants with geographic distribution, index. Includes plants from atolls.

On the distribution of Pandanus and the geographic relationships of the Micronesian species.

Bull. Biogeogr. Soc. Japan 6: 11-18, 1935 b.

Phytogeographic account of the genus, with list of Micronesian species, including atoll ones; native names.

Icones Pandanorum Micronesicorum I.

Jour. Jap. Bot. 12: 783-792, 1936 a; (II) 13: 322-331, 1937; (III) 14: 170-177, 1938.

Discusses a number of species of Pandanus with many illustrations. English introductions and descriptions, the rest in Japanese.

On the Micronesian Pandanus I.

Jour. Jap. Bot. 12: 495-501, (II) 545-554, 1936 b.

Important monograph, including notes on uses, lists of species, with new records and descriptions of several new species; includes several atolls. Numerous photographs. In Japanese. Tr.

[An account of a trip to the South Seas].

Sanrin 659; 76-81, 1937.

This part of the account of a trip to New Guinea, through Micronesia, mentions stops at Pakin, Nukuro and Kapingamarangi. Notes on flora of Ngatik. Photos. Tr. Takeda.

Kanehira, R. and Hatsumima, S.

New or noteworthy trees from Micronesia XXI. Bot. Mag. (Tokyo) 53: 151-157, (XXII) 189-193, 1939; (XXIII) 54: 433-437, 1940.

Continuation of Kanehira, 1932-1938. Describes, annotates and illustrates many species, some of them new, in various families; some of them from atolls.

Karig, W.

The fortunate islands.

1-226, N. Y., 1948.

Popular book, including somewhat informative chapters on Bikini, Mokil, Marshalls, etc., with many photographs. LC: DU500. K3.

Kariyone, T.

The mangroves in the South-Sea Islands.

Jour. Jap. Bot. 4: 116-120, 1927.

In Japanese; includes descriptions of mangrove vegetation in high Carolines, with brief mention of Jaluit; description of six mangrove species, plus Nipa. Tr.

Karsch, F.

Zur Käferfauna der Sandwich-, Marshall-, und Gilberts-Inseln.

Berlin Ent. Zeitschr. 25: 1-14, 1881 a.

Records and describes a number of beetles from Jaluit and Tarawa.

Arachniden und Myriopoden Mikronesiens.

Berlin. Ent. Zeitschr. 25: 15-16, 1881 b.

Enumeration of species collected in Marshalls and Gilberts by Finsch, including six new species.

Kasargode, R. S.

A preliminary account of the Coccidae of western India.

Jour. Bombay Nat. Hist. Soc. 23: 133-137, 1914.

Cites a record of Aspidiotus destructor from the Laccadives.

Kaucher, D.

Wings over Wake.

1-158, San Francisco, 1947.

Very superficial popular account of Wake, with some information on Midway, with many observations on birds; many excellent photographs. LC:

DU590. W28 K38.

[Kawagoe, S.]

[Report on the botanical investigation of the South Sea Islands]; in, [Department of Education...], [Report....], 136-191, Tokyo, 1916.

The author visited Truk, Ponape, Kusaie, Jaluit, Angaur, Palau, Yap and Saipan in 1914-15. Gives lists of indigenous and cultivated plants for these islands, with short annotation. Abstract Takeda.

Observations on the flora of the South Sea Islands. I. Bull. Kagoshima Coll. Agr. For. 3:117-190, 1919.

Enumeration of plants collected by the author in 1914-1915, including some records from Jaluit. Tr. Takeda.

A report of the botanical research to the South Sea Islands (Sinsenryo Nanyosyoto Syokubutyosa Hokokusho).

South Sea Government 1927; 138-201, 1927.

In Japanese. An enumeration, with brief economical notes on the plants collected by the author in various islands, including, pp. 165-171, Jaluit. Not seen, abstr. Hosok.

Keating, A. S.

[Account of Coconuts or Keeling's Islands]; in, Holman, Travels in China, New Zealand,.... ed. 2, 4: 374-385, 1840.

Excellent general description of the atoll, its history, geography, and natural history; map.

Keesing, F. M.

Some notes and suggestions regarding conservation of important archeological sites and objects in South Pacific territories.

South Pacific Commission. Project S. 10, Rept. 1: 1-8, 1-xiii, 1951.

Archeological, but extensive bibliography has some items of interest on Pacific atolls.

Kellogg, V. L. and Kuwana, S. I.

Mallophaga from birds.

Proc. Wash. Acad. Sci. 2: 457-491, 1902.

Includes species from birds from Clipperton; some of them new.

Kellogg, V. L. and Paine, J. H.

Mallophaga from the birds of Laysan Island.

Ent. News 21: 124-125, 1910.

Enumeration of species collected in 1902 by

Snyder and Fisher; one new species.

Kelsey, J. M.

A new termite, *Calotermes (Calotermes) curvithorax* n. sp. from Canton Island, in the Phoenix group, Pacific Ocean.

N. Z. Jour. Sci. Tech. 25B: 45-53, 1943.

Detailed description of a new species, from a log of driftwood.

A termite damaging coconut-palms on Suwarro Island; *Calotermes (Neotermes) rainbowi* Hill.

N. Z. Jour. Sci. Tech. 27B: 69-75, 1945.

Reports extensive damage to coconut palms in Puka-Puka and Suvarov, and describes termites collected on Suvarov in 1941.

Kempny, P.

Beitrag zur Neuropterenfauna der Marshall-Inseln. Verhandl. zool.-bot. Ges. Wien 54: 352-355, 1904.

Four species from Jaluit (Schnee coll.), one of them new: *Chrysopa jaluitana*.

Kennard, A. S.

Notes on the nomenclature of the Mascarene non-marine Mollusca.

Mauritius Inst. Bull. 2 (3): 115-136, 1943.

Does not mention atoll records, but might be useful in discussing atoll species nomenclature. Bibliography.

Kennedy, D. G.

Field notes on the culture of Vaitupu, Ellice Islands. Mem. Polyn. Soc. 9: 1-326, 1931.

Includes brief description, with map, chapters on diet and cooking, canoe and house building with incidental notes on plants used for these purposes. Photos. LC: GN671.E4 K4.

Kenney, R. W.

Quarterly report, Marshalls district, period of 1 January 1950 to 31 March 1950.

1-34 a, Majuro, Marshall Is., 1950 (mimeographed).

Includes some information on animals, especially pests, and economic plants.

Kent, W. S.

The naturalist in Australia.

1-302, London, 1897.

Includes, pp. 132-152, a chapter on Houtman's Abrolhos, and especially Pelsart group. Mostly marine zoology, but with some notes on land formation on Pelsart and Gun Islands, and some photos

- illustrating it. LC: QH197. K37.
- Kertész, K.**
Diptera, Stratiomyidae.
Trans. Linn. Soc. Zool. II, 15: 95-99, 1912.
Systematic, mentions *Brachycara ventralis* from Cocos Keeling and Minikoi.
- Key-Jones, J.**
A select bibliography of New Zealand mandated territories, dependencies....
1-18, [Wellington, 1947?] (typescript).
Includes some items on the atolls of the Cook Islands. LC: Z4121. I5 K4.
- Keyte, G. S.**
Fanning's Island, an incident.
Friend 18: 35, 1861.
Account of visit of H. M. S. "Alert" in Fanning, with brief description of island. See also brief note p. 33.
- Kidson, E.**
Observations from the Willis Island meteorological station.
Australas. Ass. Adv. Sci. 17: 155-169, 1926.
Includes data on temperature, pressure, clouds, rainfall and especially winds.
- Kieffer, J. J.**
Diptera, Chironomidae.
Trans. Linn. Soc. Zool. II, 14: 331-366, 1911.
Systematic account of collections of Percy Sladen Expedition, with one species, *Ceratopogon lationotus*, recorded from Bird I., Seychelles.
- Killip, E. P.**
Flowering plants collected on the presidential cruise of 1938.
Smiths. Misc. Coll. 98 (8): 1-4, 1939.
Includes five species collected on Clipperton.
- Kimmins, D. E.**
Odonata, Ephemeroptera, and Neuroptera of the New Hebrides and Banks Island.
Ann. Mag. Nat. Hist. X, 18: 68-88, 1936.
Some earlier records include atolls: Union Islands, Tuamotus, Christmas and Swains.
-
- Miss L. E. Cheesman's expedition to New Caledonia, 1949-- orders Odonata, Ephemeroptera, Neuroptera and Trichoptera.
Ann. Mag. Nat. Hist. XII, 6: 241-257, 1953.
Statements of distribution include at least one
- atoll record: *Eidoleon bistrigatus* from the Tuamotus, p. 245.
- Kinghorn, J. R.**
Herpetology of the Solomon Islands.
Rec. Austr. Mus. 16: 123-178, 1928.
Records two lizards from Funafuti and Flint.
- Kirby, H. Jr.**
Cryptotermes hermal sp. nov., a termite from Fanning Island.
Univ. Calif. Pub. Zool. 26: 437-441, 1925 a.
Common on Fanning.
-
- The birds of Fanning Island, central Pacific Ocean.
Condor 27: 185-196, 1925 b.
Account of visit to Fanning, Washington, Jarvis and Christmas; brief history of scientific exploration, description of islands mentioning vegetation and plants and enumeration of birds with notes on ecology; some information on bird fauna of Palmyra (not visited).
- Kirby, W. F.**
A synonymic catalogue of Lepidoptera heterocera (Moths.) Vol. 1: Sphingae and Bombyces.
1-951, London, 1892.
Includes some atoll records, e. g. *Macroglossa cinerascens* from Caroline I., p. 632. Smil. Insect Div.: 595. 78.
- Kittlitz, F. H. von**
Nachricht von den Brüteplätzen einiger tropischer Seevögel im Stillen Ocean.
Mus. Senckenb. 1: 113-126, 1834.
Brief description of Laysan (Möller) and Lisianaki Islands, with notes on birds found there. Includes a word on vegetation, as observed by Kittlitz and C. Isenbeck.
-
- Ueber einige noch unbeschriebene Vögel von der Insel Luzon, den Carolinen und den Marianen.
Mém. Acad. Imp. St. Petersbourg Savants Etrangers 2: 1-9, 1835.
Sylvia syrinx described from "Lugunor und Uleef" (Woleaf).
-
- Observations zoologiques faites pendant l'expédition de la Corvette Le Sényavine; in Lütke, Voyage autour du monde...., 3: 237-330, 1836.
Includes, pp. 297-303, notes on animals observed on Caroline atolls, mostly Longunor (Lukmor),

pp. 397-399, Woleai.

Kirtlitz, F. H. von

Vierundzwanzig Vegetations-Ansichten von
Kusteländern und Inseln des Stillen Ozeans
aufgenommen in den Jahren 1827-29 auf der
Entdeckungsgarise des Russischen Corvette
"Senjavin" unter Capt. Lütke.

1-68, Wiesbaden, 1844-1845.

See Kirtlitz, 1861.

Denkwürdigkeiten einer Reise nach dem russischen
Amerika, nach Mikronesien und durch Kamtschat-
ka.

1: 1-383, 2: 1-463, Gotha, 1858.

Includes information on Caroline atolls, espe-
cially Lakmor, mostly in vol. 2; notes on plants,
animals, geography, etc. LC: G480. K62.

Twenty-four views of the vegetation of the coasts
and islands of the Pacific.

1-68, London, 1861.

Translated and annotated by B. C. Seemann;
plates IX and X, pp. 36-39, describe the vege-
tation of Lugunor. LC: QK909.K262, rare books.

Kleckham, F.

New Guinea's Micronesian outpost.

Walkabout 18 (5): 29-30, 1952.

Concerns Matty and Aua Islands. Notes on
plank houses, with photo, and on taro pits.
Mentions that a health and agriculture survey was
carried on in 1950.

Klette, K.

Maldeninsel.

Mitt. Geogr. Ges. Wien 49: 442-443, 1906.

Brief note, with short description, mention of
three coconut trees and a dozen smaller trees,
and a few spots covered with grass. Animals men-
tioned: rats, cats, pigs, and goats. Most of the
note concerns guano and its exploitation.

Klingman, L. and Green, G.

His Majesty O'Keefe.

1-356, N. Y., 1950.

Fascinating, well written historical novel based
on life of David O'Keefe; mainly about Yap, but
with information on Nauru, Palau, Ulithi, Son-
sorol, Mapia and other islands; including casual
mentions of plants, vegetation, etc., but impor-
tant in its historical information; seemingly
written with scrupulous attention to accuracy.

LC: PZ3. K6875 H1.

Knight, K. L. et al.

Keys to the mosquitoes of the Australasian region
1-71, Washington, 1944 (mimeographed by Nation-
al Research Council).

Keys and tables indicating distribution and larval
habitat; include various Pacific atoll species. LC:
QL536. K54.

Knight, K. L. and Hull, W. B.

The Aedes mosquitoes of the Philippines Islands.
III. Subgenera Aedimorphus, Banksinella, Aedes
and Canaraedes (Diptera, Culicidae).

Pac. Sci. 7: 453-481, 1953.

Systematic, mentions, p. 462, Aedes (Aedi-
morphus) vexans nocturnus from the Marshalls.

Knoch, K.

Grosse Anomalien des Niederschlags in der Aequa-
torregion des Pazifischen Ozeans.

Ann. Hydrogr. 55: 361-367, 1927.

Discusses the great variability of rainfall on
Maldea Island.

[Knorr, E.]

Aus den Reiseberichten S. M. S. "Hertha"
Ann. Hydrogr. 7: 263-285, 1876.

Includes brief notes on atolls of the Carolines,
with charts.

Knuth, R.

Barringtoniaceae.

Pflr. 105 (IV. 219): 1-82, 1939.

Monographic, includes *B. asiatica* from Jaluit,
p. 12.

Kobayashi, S.

Some earthworms from the South Sea Islands.

Sci. Rept. Tohoku Univ. IV Biol. 15: 1-5, 1940.

Mentions two species of *Pheretima*, previously
recorded from the Marshalls.

On some earthworms from the South Sea Islands II.
Sci. Rept. Tohoku Univ. IV Biol. 16: 391-405, 1941.

Includes various atoll records for *Pheretima*
taiteensis.

Kobayashi, Y.

History of the investigations on the fungous flora of
Micronesia and the Bonins Islands.

Jour. Jap. Bot. 13: 95-104, 1937.

In Japanese, except for names of plants and
author. Gives a list of collectors and species found.

for several groups of islands treated separately, including Carolines and Marshalls. Tr. Takeda.

Köppen, W., and Geiger, R.
Handbuch der Klimatologie.
5 vols., Berlin, 1930-1939 (of vol. 5 apparently only part X published).
Comprehensive treatment of climatology, with summaries of available data for all parts of the world; in vol. 4 are sections on Pacific islands; different parts by separate authors, see Braak, 1931, and Schott 1938, for atoll data. NYPL:PRB.

Kohlrausch, E.
Gattungen und Arten der Scolopendriden.
Arch. Naturg. 47 (1): 50-132, 1881.
Systematic; on p. 110, reports *Scolopendra morsitans* from the Tuamotus.

Koidzumi, G.
The vegetation of Jaluit Island.
Bot Mag. (Tokyo) 29: 242-257, 1915.
Notes on vegetation, with a list of plants.

[-----].
[Phytogeography of the island of Jaluit]; in, [Department of Education ...], [Supplement to the Report], 105-116, Tokyo, 1917.
Account of a trip throughout Micronesia in 1915. History of botanical exploration, description of geography, notes on ecological and floristic geography; list of indigenous and cultivated plants. Abstract Takeda.

On the phytogeography of the Jaluit (Jaluit-to Syokabututiri); in, [South Sea Government ...] 383-396, 1927.

Japanese text. Plant sociology and plant geography, with enumeration of the plants collected by the author in Jaluit. Not seen, abstr. Hosok.

Kondo, Y. and Clench, W. J.
Charles Montague Cooke, Jr. a bio-bibliography.
Bishop Mus. Spec. Pub. 42: 1-56, 1952.
Biographical and bibliographical sketch of eminent malacologist, relating his explorations, including some on atolls, e. g. Mangarevan Expedition, and list of new species described by him, at least one from Laysan; list of his publications.

Koningsberger, J. C.
Eenige aantekeningen over de fauna der Duizend

Eilanden.
Teysmannia 19: 363-374, 1908.
Includes brief description, and notes on animals found on some of the islands.

Köno, H.
Die Rüsselkäfer auf den Micronesien.
Ins. Matsum. 16 (1): 13-21, 1942.
Includes several records from the Marshalls, with some new species.

Kopstein, P. F.
Die Skorpione des Indo-Australischen Archipels, mit Grundlage der in Holländischen Sammlungen, vornehmlich des Rijks-Museums in Leiden, vorhandenen Arten.
Zool. Meded. Rijks Mus. Leiden 6: 115-144, 1921.
Includes some atoll records, two of them from Edam Island.

Liste der Skorpione des Indo-Australischen Archipels im Museum zu Buitenzorg.
Tréubia 3: 184-187, 1923.
Records *Hormurus australasiae* from N. Wachter (Duizend Eilanden).

Kotzebue, O. von
A voyage of discovery into the South Seas and Bering's Straits ... in the ship Rurick
3 vols., London, 1821.
Vol. 1 includes account of some of the Tuamotus, Pearhyn, and Suvarov; vol. 2 includes account of two visits to the Marshalls, including Gaspar Rice (confused with Cornwallis, or Johnston) and a mention of the real Johnston, p. 205. Pp. 289-313, "Analysis of the islands discovered by the Rurick in the Great Ocean" by Krusenstern, is an attempt to identify some of Kotzebue's discoveries with islands already known. Some geographical information, but most of the valuable information is to be found in vol. 3, written by other authors; See Chamisso, and Eschscholtz, 1821. LC: G420. K81.

Entdeckungsreise in die Südsee und nach der Berings-Strasse ... unternommen in den Jahren 1815, 1816, 1817 and 1818 ... auf dem Schiffe Rurick
3 vols., Wien, 1825.
First edition, 1821, not seen. For annotation, see Kotzebue, 1821. (English edition). LC: G420. K77.

A new voyage round the world in the years 1823, 24,

25, and 26.

1: 1-341; 2: 1-362, London, 1830.

English translation with no indication of translator. Describes visits to various of the Tuamotus (1: 101-118) with miscellaneous geographic notes and incidental mention of vegetation, though author did not land, and various of the Marshalls (1: 288-341; 2: 270-278), with geographic and material culture notes, slight mention of vegetation; frontispiece: a view of Odtia (Wotje). LC: G420. K87.

Krämer, A.

Ueber den Bau der Korallenriffe und die Planktonvertheilung an den Samoanischen Küsten. 1-174, Kiel, Leipzig, 1897.

Includes some data, especially p. 50, and map of Rose Atoll. LC: QE565. K8.

Der Purgierfisch der Gilbertinseln.
Globus 79: 181-193, 1901.

A trip to the Gilberts to ascertain occurrence of a fish. Includes a word of description of Maraki and Makin. Brief discussion of native names of fish and fishing customs.

Der Haus- und Bootbau auf den Marshallinseln (Ralik-Ratak Inseln).

Arch. Anthrop. n. f. 3: 295-309, 1905 a.

Includes notes on plants used in house and boat building.

Die Gewinnung und die Zubereitung der Nahrung auf den Ralik-Ratakinseln (Marshallinseln).

Globus 88: 140-146, 1905 b.

Notes on various foods and their preparation, citing native names for ingredients, tools, etc.

Hawaii, Ostmikronesien und Samoa.
1-585, Stuttgart, 1906.

Account of author's second trip in the Pacific (1897-1899), to study atolls and their inhabitants; major part of the book concerns Marshall and Gilbert atolls, with descriptions, general notes on plants and animals for various islands; study of inhabitants includes notes on foods, material culture involving plants, etc. Drawings and photos. LC: DU22. K75.

Studienreise nach den Zentral- und Westkarolinen.

Mitt. deutsch. Schutzgeb. 21: 169-186, 1908.

Includes a word on Ontong Java, and minor references to typhoon damage on Tobi, Pulo Anna, Merir, Mokemok (Ulithi) and in Mortlock Is. Mentions Ngeiangl (Kayangel) in Palau Is. Most of the article concerns high Carolines.

Krämer, A.

Die Entstehung und Besiedelung der Koralleninseln nach neuen Gesichtspunkten auf Grund eigener Untersuchungen.

1-53, Stuttgart, 1927.

Discussion of coral formations. Extensive information of many kinds, mentioning many atolls, much of it compiled, but also much from author's experience; information and photos showing typhoon damage. Maps, diagrams. LC: QE565. K78.

Der Taro und die Nasskultur.

Petermanns Mitt. 74: 165-172, 1928.

Compilation of information on taro and taro-like plants and their cultivation. No mention of occurrence on atolla, except to say that "te papai" is the Gilbertese name for taro.

Inseln um Truk (Centralkarolinen Ost, Lukunor, Namoluk, Lóap, Nama, Lémárafat, Namonuito, Pollap-Tamatam); in, G. Thilenius, Erg. Süds. Exp. II B 6, 1: 1-291, 1935.

Monographic, treating geography, flora, fauna, but emphasizing anthropology, with information on geology, climate, typhoons, water supply, vegetation, economic plants and animals, agriculture, etc.; bibliography, photographs. LC: GN662. T5.

Zentralkarolinen I (Lamotrek Gruppe, Oleai, Feis); in, G. Thilenius, Erg. Süds. Exp. II B 10, 1: 1-413, 1937.

Monographic, treating geography, flora, fauna, but emphasizing anthropology, with information on geology, climate, typhoons, water supply, vegetation, economic plants and animals, agriculture, etc.; bibliography, photographs.

Krämer and Nevermann, H.

Ralik-Ratak (Marshall-Inseln); in, G. Thilenius, Erg. Süds. Exp. II B 11: 1-304, 1938.

Monographic, treating geography, flora, fauna, but emphasizing anthropology, with information on geology, climate, typhoons, water supply, vegetation, economic plants and animals, agriculture, etc.; bibliography, photographs.

Kramer, H. P.

Selective annotated bibliography on the climate of Australia and New Zealand.

Met. Abstr. Bibl. 4 (4): 481-528, 1953.

Arranged by dates, with author and subject index. Includes some items pertaining to coral islands.

Kramer, M. P.

Selective annotated bibliography of the climatology and marine meteorology of the Pacific.

Met. Abstr. Bibl. 4 (9): 1036-1082, 1953.

Arranged by dates, with author and subject index. Includes items pertaining to coral islands and ocean areas where they are located.

Krauss, N. L. H.

Johnston Island insects.

Proc. Hawaiian Ent. Soc. 13: 9, 1947.

List of eight species collected in May 1946.

Coconut pests on Palmyra.

Proc. Hawaiian Ent. Soc. 13: 323, 1949.

Mentions damage by a moth, rats and crabs.

[Krempf, A.]

L'Institut océanographique de l'Indochine.

1st 368, Hanoi, 1931.

This volume published for the "Exposition Coloniale", 1931, includes annual reports on work carried on at the Institute, with information on visits to the Paracel and Spratly Islands, and their results. Photographs. LC: GCl. N47.

Krieger, H. W.

Island people of the western Pacific. Micronesia and Polynesia.

Smi. War Backgr. St. 16: 1-104, 1943.

Includes geographical notes on atoll groups, with information on native life, food plants, etc. Bibliography, photos.

Krombein, K. V.

The aculeate Hymenoptera of Micronesia I.

Scoliidae, Mutillidae, Pompilidae, and Sphecidae.

Proc. Hawaiian Ent. Soc. 13: 367-410, 1949.

Includes a number of species from the Caroline atolls, Marshalls and Gilberts.

The aculeate Hymenoptera of Micronesia II.

Colletidae, Halictidae, Megachilidae and Apidae.

Proc. Hawaiian Ent. Soc. 14: 101-142, 1950.

Includes records from Caroline and Marshall atolls; notes on distribution.

Kubary, J. S.

Die lagune von Eben....

Jour. Mus. Godeffroy 1: 33-47, 1873 a.

See Graeffe, E.

Die Palau-Inseln in der Südsee.

Jour. Mus. Godeffroy 1 (4): 1-62 (177-238), 1873 b.

Account of author's visit to Palau in 1871, with information on geography, native life, etc. Includes scattered mentions of Kayangel Atoll, which Kubary visited, and records of the fact that according to native tradition, Ngaruangi Reef was once an inhabited land (see pp. 32, 33, 47, etc.).

Die Bewohner der Mortlock Inseln.

Mitt. Geogr. Ges. Hamburg 1878-79: 224-299, 1880.

Mostly anthropological, but with some brief reference to foods and material culture (plants used for weaving, house and canoe building).

Ethnographische Beiträge zur Kenntnis des Karolinen Archipels.

1-3: 1-306, Leiden, 1889-1895.

1: 1-115, 1889, contains an account of an expedition to the atolls of the southwestern Carolines, especially, pp. 100-101, a short description of the geography and vegetation, and a map of St. David I. or Mapia; also various material culture notes for the outer atolls. 2: 117-219, 1892, contains, pp. 156-174, an account of Palauan agriculture and food with occasional references to Kayangel. LC: GN671. C3 K9.

Beitrag zur Kenntnis der Nukuoro- oder Monte Verde Inseln (Karolinen-Archipel).

Mitt. Geogr. Ges. Hamburg 16: 71-138, 1900.

No description of island. List of economic plants and animals; anthropology and ethnology, with much information on plants used in material culture. Vocabulary.

Kükenthal, G.

Beiträge zur Cyperaceenflora von Mikronesien; in, Diels, 1924.

Bot. Jahrb. 59: 2-10, 1924.

Includes several species of *Cyperus* and *Fimbristylis* from Jaluit.

Kükenthal, G.

Cyperaceae-Scirpoideae-Cyperaceae.

Pflr. 101 (IV. 20): 1-671, 1935-1936.

Monographic, includes *Cyperus rotundus* from Jaluit, p. 111.

Kuenen, P. H.

Geology of coral reefs.

Snellius Exped. 5 (2): 1-125, 1933.

Contains much detailed information on the East Indian atolls, and one of the most important and effective discussions available on the geological processes in operation on coral islands; bibliography, maps, photographs.

Two problems of marine geology: Atolls and canyons.

Verhand. Kon. Ned. Akad. Wetens. Nat. II, 43 (3): 1-68, 1947.

Marine geology, but with some data bearing on whether or not certain East Indian islands are atolls.

Marine geology.

1-568, N. Y., 1950.

Comprehensive summary of the science, with much original material by the author; includes extensive information on geology of coral reefs with much that is essential to an understanding of land conditions; geographical information on many East Indies atolls; maps and diagrams, bibliography. LC: GC83. K8.

Kuhn, M.

Farne (Filicinae) und härlappartige Gewächse (Lycopodiinae): in, Schleinitz, Die Forschungsreise S. M. S. "Gazelle"... 4: 1-20, 1889.

Systematic, on p. 11 mentions *Polypodium quercifolium*, from Lucipara.

Kulczyński, W.

Spinnen aus Nord-Neu-Guinea.

Nova Guinea 5: 423-518, 1911.

Records several species from Mapia Island.

Kumm, H. W.

The geographical distribution of the yellow fever vectors.

Amer. Jour. Hyg. Monogr. 12: 1-110, 1931.

Summary of records of distribution throughout world, including records of *Aedes aegypti* from Tarawa, p. 24. LC: RC210. K8.

Kuroda, N.

A list of the birds of Micronesian group, exclusive of Magalhaes, Gilbert and Ellice Islands; in, Momiyama, Birds of Micronesia, English text, 31-78, 1922.

Includes various atoll records.

[Rodents of the South Sea Islands in the collection of Marquis Yamashina].

Bot. and Zool. 2: 1012-1020, 1934 a.

Discussion of various rats and mice from Micronesia, including some from Caroline and Marshall atolls.

[A charadriiform (a new name)].

Zool. Mag. (Tokyo) 46: 313, 1934 b.

In April 1932, *Tringa melanoleuca* was observed in Jaluit; in Japanese.

A nominal list of Limicolae preserved in the author's collection.

Tori 8: 328-343, 1934 c.

Includes mention of specimens from the Marshalls and Masurei-Vavao (Tuamotus).

A list of the Japanese mammals.

1-122, Tokyo, 1938.

Mostly in English. Includes records of rats and bats from the Marshalls and Carolines. Smi. Div. of Mammals.

A monograph of the Japanese mammals.

1-311, Tokyo, Osaka, 1940.

In Japanese, except for various names. Includes some rats and bats from the Marshalls and Carolines, Smi. Div. of Mammals.

Report of a trip to Marcus Island with notes on the birds.

Pac. Sci. 8: 84-93, 1954.

Includes general description of island visited in 1952, with notes on surface features, vegetation, plants, weather; annotated list of birds. Sketch map, photos.

Kuroda, N., Matsudaira, Y., Takatsukasa, N. and Uchida, S.

A hand-list of Japanese birds.

1-184, 1-18, 1-4, Tokyo, 1922.

- Includes records of birds from Marcus Island.
Smi. : Div. of Birds.
- Kurtz, Born, Martens and Fritz.
Der Taifun in den West-Karolinen vom 26. bis 31. März 1907.
Ann. Hydrogr. 35: 501-505, 1907.
Partly reproduced from Born et al., 1907, but with added information by various other observers. Concerns effects of typhoon on Lossop, Ifaluk, Oleai, Sorol and Ulithi.
- Kurze, G.
Mikronesien und die Mission daselbst.
Allg. Missions-Zeitschr. 14: 64-80, 123-128, 1887.
Includes general notes on the Gilberts and Marshalls, apparently mostly compiled; mentions various food-products.
- [Kusano, S.]
[Forests of the South Sea Islands]: in, [Department of Education . . .], [Supplement to the report . . .] 29-49, Tokyo, 1917.
Includes a brief description, discussion and economic notes on Marshall Island forest. In Japanese. Abstract Takeda.
- Labillardière, J. J. H. de
Relation du voyage à la recherche de La Pérouse. 1: 1-442, 2: 1-332, 1-113, Paris, 1800.
Vol. 1. includes, pp. 273-275, brief account of l'Echiquier (Ninigo), mentioning the presence of tall trees on the very low islands. LC: G420. L28 E5.
- Lacroix, A.
La constitution lithologique des îles volcaniques de la Polynésie australe.
Mém. Acad. Sci. Paris 59 (2): 1-82, 1928.
Mineralogical descriptions and chemical analyses of volcanic rocks from various Pacific Islands. Includes, pp. 44-45, analysis of pumice from South Marutea, the results of which show that it certainly does not come from Krakatau.
- Clipperton, îles de Pâques et Pitcairn, esquisse lithologique.
Ann. Inst. Océanogr. 18: 290-330, 1939 a.
Geology; includes a short geographic description with map, and excellent photos of Clipperton; short paragraph on vegetation.
- Lacroix, A.
Remarques sur les volcans sous-marins, à propos de ponces rhyolitiques recueillies sur l'atoll Marutea du Sud (Archipel des Tuamotu).
C. R. Acad. Sci. Paris 208: 609-611, 1939 b.
Suggests that pumice collected in 1903 by Seurat on South Marutea may have come from a sub-marine volcano in the South Pacific, especially since this chemical-mineralogical type of rock is known only, in the S. Pacific from Easter and Tutuila Islands.
- Ladd, H. S., Tracey, J. I., Jr., Wells, J. W., and Emery, K. O.
Organic growth and sedimentation on an atoll.
Jour. Geol. 58: 410-425, 1950.
Mainly marine geology, but with description of beaches, beach-rock, and boulder ramps, of Bikini Atoll.
- Ladd, H. S. and Tracey, J. I., Jr.
Coral reefs in colour.
Geogr. Mag. 23: 373-383, 1951.
Popular article with excellent colored photographs, mainly marine geology and ecology, but with several photographs showing land vegetation of Bikini Atoll.
- Lafon,
Voyage d'exploration de la partie nord de la chaîne des îles Loyalty.
Ann. Hydrogr. [France] II, 7: 18-32, 1885.
Includes description of Astrolabe Reefs (with map), and récif de Pétrie; pp. 27-29, description of îles Beaupré, inhabited, covered with coconut palms; several cultivated plants, domestic animals, and water supply mentioned.
- Laidlaw, F. F.
Amphibia and Reptilia: in, Gardiner, The fauna on geography of the Maldivé and Laccadive archipelagoes 1: 119-122, 1902 a.
Systematic.
- Dragon-flies: in, Gardiner, The fauna and geography of the Maldivé and Laccadive archipelagoes 1: 219-222, 1902 b.
Systematic.
- On a land planarian from Hulule, Male Atoll, with a note on *Leptoplana pardalis* Laidlaw: in, Gardiner, The fauna and geography of the Maldivé and Laccadive archipelagoes 2: 579-580, 1903.

Systematic and zoogeographic, records also species from Marquesas and Pelew Is., which are stated to be "coral islands."

Laidlaw, F. F.

Odonata.

Trans. Linn. Soc. Zool. II, 12: 87-89, 1907.

Systematic account of Percy Sladen expedition collections, with some species recorded from the Chagos atolls.

Lamb, C. G.

Diptera: Lonchaeidae, Sapromyzidae, Ephydriidae, Chloropidae, Agromyzidae.

Trans. Linn. Soc. Zool. II, 15: 303-348, 1912.

Systematic account of collections of Percy Sladen expeditions recording species from Bird and Dennis, Cargados Carajos, Chagos, etc.

Diptera: Heteroneuridae, Ortalidae, Trypetidae, Sepidae, Micropedidae, Drosophilidae, Geomyzidae, Milichidae.

Trans. Linn. Soc. Zool. II, 16: 307-372, 1914.

Several species recorded from Chagos, Amiran-tes, Dennis, etc. from Percy Sladen expedition collections.

Diptera: Asilidae, Scenopinidae, Dolichopodi-
dae, Pipunculidae, Syrphidae.

Trans. Linn. Soc. Zool. II, 18: 361-416, 1922.

Systematic account of collections of Percy Sladen expeditions including some forms from low islands of western Indian Ocean.

Lambert, S. M.

Medical conditions in the South Pacific.

Med. Jour. Austr. 2: 362-378, 1928.

Includes general notes and information on in-
cidental diseases and parasites in atoll groups,
especially Gilbert and Ellice Islands.

Annual reports of the western Pacific health
service; in, Fiji, Legislative Council, Annual
Medical and Health Report for the year

Fiji Leg. Pap. 1929-1935.

Include notes on Ellice and Gilbert Islands,
some mention of Cook Islands and Sikaiana.
AML.

The depopulation of Pacific races.

Bish. Mus. Spec. Pub. 23: 1-42, 1934.

Includes population figures for some atolls.
Bibliography.

Lambert, S. M.

A Yankee doctor in paradise.

1-393, N. Y., 1941.

Includes a chapter on the Gilbert and Ellice Is.,
with some mentions of insects and diseases. LC:
R154. L23 A3.

Landrot,

Een excursie naar de Duizend Eilanden.

Trop. Nat. 9: 141-148, 1920.

Includes some notes on geography, and mentions
of plants.

Lange, W. H. Jr.

The biology of the Mariana coconut beetle,
Brontispa mariana Spaeth on Saipan, and the intro-
duction of parasites from Malaya and Java for its
control.

Proc. Hawaiian Ent. Soc. 14: 143-162, 1950.

Includes, p. 144, notes on distribution of
species, including *Woleai*, *Nukuoro*, *Ulithi*,
Nomwin; *B. chalybeipennis* reported from the
Marshalls (*Esaki*).

Langenbeck, R.

Das Atoll Funafuti in der Ellice-Gruppe.

Petermanns Mitt. 43: 190-192, 1897.

Notes on Funafuti, compiled from various
sources, including Hedley, 1897.

Die Archipele der Maldiven und Lakkadiven.

Petermanns Mitt. 52: 159-165, 1906.

Geographical description of the groups, apparent-
ly compiled from Gardiner's and Agassiz' accounts.

Langhans, P.

Beiträge zur Kenntnis der deutschen Schutzgebiete.

1. Dachalut.

Petermanns Mitt. 39: 238, 1893.

Brief note enumerating trading stations of various
companies in the Marshalls, and giving location
and size of some coconut plantations. Map of Jaluit
Atoll and maps of Jabor on three scales.

Beiträge zur Kenntnis der deutschen Schutzgebiete,

12, b. Enfwetok- oder Brown-Inseln.

Petermanns Mitt. 44: 276, 1898.

Sketch of the atoll, and brief description.

Laninimo

The rabbit project.

- Micronesia Mo. 2 (1): 18, 1952.
Account by Intermediate School student, of introduction of 15 rabbits from Guam on Wotje, Marshall Islands as a school project.
- Laplace, C. P. T.
Campagne de circumnavigation de la Frégate l'Artémise... 1837... 1840
6 vols., Paris, 1841-1854.
Vol. 2: 112-129, 1842, includes a description of Agalega, with information on animals, and especially, on coconut cultivation and oil industry. LC: G420.L33.
- Latham, J.
A general synopsis of birds.
3 vols. 2 suppl., London, 1781-1801.
Describes at least one atoll bird, the Palmerston frigate bird, p. 592, from Palmerston I. Banks coll. Smi: Bird Div.
- Latham, J. and Davies, H. (Forster, J. R., ed.)
Faunula indica ed. 2.
1-38, Halle, 1795.
Bare list of species, includes, p. 11, Glareola (Pratincola) maldivarum, no indication of locality. LC: QL309.L3.
- Lathrop, C.
Hints on tropical photography.
Atoll Res. Bull. 17: 123-124, 1953.
Practical advice on how to obtain good pictures under atoll conditions.
- [Laughlan, D.]
Laughlan's islands.
Nav. Chron. 31: 161-162, 1814.
Brief account of newly discovered atoll (also called Nada). Mentions presence of coconut trees.
- Laurie, R. D.
Anomura collected by Mr. J. Stanley Gardiner in the western Indian Ocean in H. M. S. "Sealark."
Trans. Linn. Soc. Zool. II, 19: 121-167, 1926.
Systematic account of collections of Percy Sladen expedition, including at least one land form, Coenobita rugosus, from Chagos.
- Lauterbach, C.
Die Simarubaceen Mikronesiens; in, Diels, 1921.
Bot. Jahrb. 56: 513-514, 1921.
Includes records from the Marshalls.
- Laxton, P. B.
Nikumaroro.
Jour. Polyn. Soc. 60: 134-160, 1951 [1952].
Account of establishment and history of Gilbertese colony on Gardner I., Phoenix Is., with incidental description of island, notes on the history of its coconut plantation, vegetation, soil, land use, records of plants, plans for future development, etc.; map.
- Le Cerf, F.
Note sur deux Piérides (Lep. Rhopal.) de l'île Maurice et de l'îlot d'Astove.
Bull. Soc. Ent. France 1916: 112-113, 1916.
Teracolus evanthides Hall. recorded from Astove.
- Ledyard, J.
Journal of Captain Cook's last voyage
1-208, Hartford, 1783.
Journal of one of the ship's company; includes brief note on Palmerston I., p. 25, and short account of discovery of Turtle I. (Christmas I.) with notes on its physical character, abundance of turtles and sea birds. First published; London, 1781.
LC: G420.C72 L3, rare books.
- Lee, S. P.
Report and charts of the cruise of the U. S. Brig Dolphin
U. S. Senate Ex. Document 59: 1-331, 1854 (33rd Congress, 1st Session).
Includes, pp. 81-85, account of survey of Rocas Reef, with brief description of this atoll, and a sketch map. LC: GC481.U5.
- Lefevre, I. D. Jr., McDermott, K. F. and Venner, R. B.
Yaws survey on Nanumea Atoll.
U. S. Naval Med. Bull. 43: 739-741, 1944.
Notes on incidence of disease in this Ellice Atoll.
- Leff, D. N.
Uncle Sam's Pacific islets.
1-71, Stanford Univ. Press, 1940.
Historical notes on American atolls in the Pacific. Geographical descriptions and excerpts from the U. S. Hydrographic Office Pacific Pilots. LC: DU30.L4.
- Legend, M.
Contribution à l'étude des méthodes de pêche dans les territoires français du Pacifique sud.
Jour. Soc. Océanistes 6: 141-184, 1950.
Includes information on fishing methods used in the Tuamotus, with mentions of plants used for

boats and tackle, and several photos of the Tuamotus.

Lenz, H.

Ergebnisse einer Reise nach dem Pacific (Schauinsland 1896-1897). Crustaceen. Zool. Jahrb. Syst. 14: 429-482, 1901.

Five specimens of *Gecarcoidea lalandei* were found in guano brought from Clipperton to Honolulu. Many species mentioned from Laysan, a few terrestrial.

Leopold, L. B.

Pacific meteorologic problems.

Atoll Res. Bull. 1: 11, 1951.

Points out kinds of weather data that may be collected without elaborate equipment.

Notes on the collection of meteorological information on tropical islands.

Atoll Res. Bull. 17: 10-13, 1953.

Practical suggestions for collecting of information useful to the meteorologist.

Lepesme, P.

Les insectes des palmiers.

1-903, Paris, 1947.

Systematic enumeration of insect pests of palms, with information on their biology, damage they cause, methods of control, etc.; very few direct mentions of atolls (*Aspidiotus destructor* reported from Laccadives, p. 192), but includes insect pests of coconut trees which occur on atolls. Extensive bibliography of palms and insects. DA: 423 L554.

Leptotier, A.

Les oasis du désert océanique.

Geographia 8: 8-14, 1952.

Popular article on the geography and origin of atolls, very well illustrated by diagrams, maps, and a photo.

Lessa, W. A.

The ethnography of Ulithi Atoll.

CIMA Rept. 28: 1-269, 1950 a (mimeographed).

Ethnological, with sections on geography, habitat, animals, agriculture, and, as appendices, lists of wild economic plants with their uses, and cultivated plants; bibliography.

Ulithi and the outer native world.

Am. Anthrop. 52: 27-52, 1950 b.

Principally cultural and social anthropology, but contains some information on materials and products imported into and exported from the atoll, including some plant products. Map of part of Pacific.

Lessing, C. F.

Synanthereae; in, Chamisso and Schlechtendal, De Plantis . . .

Linnaea 6: 83-170, 209-260, 501-528, 1831.

Includes *Wedelia aristata* from Radak, p. 160, *Adenostemma viscosum* from Radak, p. 106.

Lesson, [R.] P.

Coup-d'oeil sur les îles océaniques et le grand océan.

Ann. Sci. Nat. 5: 172-188, 1825 a.

General discussion of Pacific Islands and plant dispersal, including notes on atolls and their flora (poor compared to floras of high islands).

Distribution géographique de quelques oiseaux marins, observés dans le voyage autour du monde de la corvette La Coquille.

Ann. Sci. Nat. 6: 88-103, 1825 b.

Includes mention of birds found near atolls (Tuamotus).

Voyage autour du monde entrepris par ordre du Gouvernement sur la corvette 'La Coquille.' 2 vols., Paris, 1838.

Includes mentions of Faumotu (vol. I), atolls of the Carolines, Marshalls and Ellice groups, with very little information on any of them (vol. II). LC: G420. C78.

Lesson, [R.] P. and Garnot, P.

Zoologie I, 1: 1-360, Paris, 1826; in, Duperrey, Voyage autour du monde . . . de . . . 'La Coquille,' 1825-1830.

On pp. 16-17 is a short discussion of the supposed mode of establishment of vegetation on low coral islands and the rigorous conditions of life there. LC: Q115. D93.

Leveque, P. L., and Hale,

Vocabulaire Arorai (fles Gilbert).

123-228, [Paris, 1881] (edited by P. A. C[olomb], reprinted, but with no indication of original place of publication).

Introduction contains a brief geographical description of the islands; many words in the vocabulary applying to plants, animals, etc.

Lever, R. J. A. W.

The physical environment, fauna and agriculture of the British Solomon Islands.

Trop. Agr. [Trinidad] 14: 281-285, 307-312, 1937.

Includes a few records of insects, and mention of Pandanus, from Sikaiana.

Further notes on the fauna of the British Solomon Islands.

Trop. Agr. [Trinidad] 20: 40-42, 1943.

Includes some bird and insect records from Sikaiana.

Lewin, E.

The Pacific region: a bibliography of the Pacific and East Indian islands, exclusive of Japan.

1-76, London, 1944.

Arranged by groups and subjects. LC: Z4501. R65.

L'Hermier des Plantes,

Iles Gambier, Rapa et Tubuai.

Océan. Franç. 13: 79-82, 1918.

Includes a paragraph on the eastern Tuamotus; Takoto, Pukarua and Reao, mentioning presence of coconut palms, pandanus, chickens and pigs.

Liebig, J. von

Ueber einige Guanosorten aus dem stillen Ocean. Zeitschr. Landw. Ver. Bayern 1860: 399-406, 1860.

Compares analyses of guano samples from Baker and Jarvis islands. Largely reprinted in Chem. Zentralbl. n. f. 6: 264-269, 1861, under title Ueber Baker-, Jarvis- und Howland-Guano. See Drysdale, 1861.

Lieftinck, M. A.

Synopsis of the odonate fauna of the Bismarck Archipelago and the Solomon Islands.

Trenbia 20: 319-374, 1949 a.

Includes a few records from Sikaiana Atoll.

The dragonflies (Odonata) of New Guinea and neighbouring islands. Part VII.

N. Guin. n. s. 5: 1-271, 1949 b.

Records *Ischnura aurora aurora* from the Ellice Islands and Pukapuka.

Liénard, E.

Catalogue de la faune malacologique de l'île Maurice et de ses dépendances

1-115, Paris, 1877.

Includes *Melampus luteus*, on p. 99, from Chagos. Smi: Div. Mollusks.

Liesegang, C.

Die Phosphatvorkommen der Söðsee.

Glückauf 76: 82-86, 1940.

Concerns mostly Nauru, but mentions the presence of phosphate on the Purdy Islands, Naguria, Taongi, Bikar and Tobl.

Light, S. F.

Termites of the Marquesas Islands.

Bishop Mus. Bull. 98: 73-86, 1932.

Includes records of various species from central Pacific Atolls.

Isoptera of Guam.

Bishop Mus. Bull. 189: 9, 1946.

Cryptohermes hermai recorded from Fanning, Washington, Oeno and Flint.

Light, S. F. and Zimmermann, E. C.

Termites of southeastern Polynesia.

Occ. Pap. Bishop Mus. 12 (12): 1-12, 1936.

Several termites recorded from various Pacific atolls.

Lincoln, R.

Report of chemical division.

Ann. Rept. Dept. Ag. Mauritius 1938: 51-57, 1939.

Includes p. 55, analyses of guano samples from Agalega and Saint Brandon.

Lindau, G.

Acanthaceae asiaticae.

Repert. Sp. Nov. 13: 550-554, 1915.

Includes, p. 553, *Pseuderanthemum jaluitense*, from Jaluit (Gibbons 1068); Lindau says "*Insulae Marianae, Jaluit, beim...*", apparently placing Jaluit in the Marianas erroneously.

Lindinger, L.

Beiträge zur Kenntnis der Schildläuse und ihrer Verbreitung.

Zeitschr. wiss. Insektenbiol. 5: 147-152, 1909;

7: 172-177, 1911.

First part includes *Furcaspis oceanica*, sp. nov., from Jaluit; second part records same species from atolls of Carolines and Marshalls.

Linell, M. L.

On the insects collected by Dr. Abbott on the Seychelles, Aldabra, Gloriosa and Providence

Islands.

Proc. U. S. Nat. Mus. 19: 695-706, 1897.

Contains a number of insects of diverse groups from Glorioso, three from Providence, and one from Doros, of the Amirantes.

Linton, A. M.

Notes on the vegetation of Penrhyn and Manihiki Islands.

Jour. Polyn. Soc. 42: 300-307, 1933.

List of economic species, with notes on their occurrence, uses, and in some cases, cultivation. Information on soil (mentions presence of guano on some of the islets). Native names listed.

Lionnet, J. G.

Agaléga ou Galéga dans les traités de géographie. Geogr. 38: 31-57, 1922.

Monographic, with chapters on history of discovery and settlement, geography, climate, flora, fauna, coconut plantations, damages of rats, population, etc. Photos, sketch-map.

L'Île d'Agaléga.

1-82+1, Paris, 1924.

General account, with sections on history, geography, climate, sanitation, population, industries, agriculture, ravages by rats, fauna, including a discussion of the coconut crab, account of the birds, flora, coconut culture, review of work of Lotté and d'Orbigny, list of plants and some animals, a few photos. NYPL.

Lipman, C. B., and Shelly, P. E.

Studies on the origin and composition of the soil of Rose Islet.

Carnegie Inst. Pub. 340: 201-208, 1924.

Valuable paper, basic to any work on atoll soils, presents analyses and suggestions as to soil forming processes.

Lipman, C. B., and Taylor, J. K.

Bacteriological studies on Rose Islet soils.

Carnegie Inst. Pub. 340: 209-217, 1924.

Investigation of the bacterial populations present, including nitrifying forms.

Lisiansky, U.

A voyage round the world....

1-388, London, 1814 (translated from Russian edition, 2 vols., St. Petersburg, 1812).

Journal of voyage, with account of discovery of Lisiansky I. with, on p. 251, a short description with mention of many birds, including a "wild pigeon", seals, fish, remark that there is

no fresh water and that there are large tree trunks, possibly from North America, cast on the beach; maps. LC: G420.L73, rare books.

Lister, J. J.

Notes on birds of the Phoenix Islands.

Proc. Zool. Soc. 1891: 289-300, 1891.

List of birds, and ecological notes on Canton and Phoenix, including a few records of plants, mentions of vegetation, rabbits, and surface features; one plate. Incidental records from other atolls.

On the distribution of the Megapodidae in the Pacific.

Proc. Cambridge Phil. Soc. 16: 148-149, 1911.

No mention of Pacific atolls, but a note by Gardiner indicates that Megapodes were introduced in Male atoll, Maldives.

Longley, W. H.

Life on a coral reef.

Nat. Geogr. Mag. 51: 61-83, 1927.

Brief description of Dry Tortugas, with photos showing bird colonies. Mostly about fishes.

Loomis, L. M.

A review of the albatrosses, petrels and diving petrels.

Proc. Calif. Acad. Sci. IV, 2 (2): 1-187, 1918.

Includes historical sketch, information on geographical distribution, biology, etc. The systematic part includes a few atoll records, e. g. Pterodroma hypoleuca from Laysan, p. 53, Oceanodroma tristrami, from Laysan and near Midway, p. 63. Most of the paper concerns birds occurring near America and the Galapagos Islands. Discusses, p. 104, Pterodroma parvirostris, originally described from Christmas Island.

Lorenz, K.

Die Midway-Insel.

Mitt. Geogr. Ges. Wien 68: 199-207, 1925.

Description of Midway by the doctor for the cable station. Includes information on birds and other animals, and on plants grown at the station. Photographs.

[Lucatt,]

Rovings in the Pacific....

2 vols., London, 1851.

Narrative of author's many years in the Pacific, verbose but contains much scattered information on many atolls, e. g. Tuamotus and those in central Pacific. LC: G477.L93.

[Lübbert, ed.]

Forschungareise S. M. S. "Planer" 1906-07.
herausgegeben vom Reichs-Marine Amt.
5 vols., Berlin, 1909.

Vol. 1 includes, pp. 53-55, brief description
of Suvadiva Atoll (Maldives). LC: Q115. P7.

Luerssen, C.

Filices Graeffeanae; Beitrag zur Kenntnis der
Farnflora der Viti-, Samoa-, Tonga-, und
Ellice's Inseln.

Mitth. Bot. 1: 57-312, 1871.

Systematic, reports four species of ferns from
Ellice Islands. NYBG: 590.8 M 69.

Lütke, F. P. (also written Lutké)

Voyage autour du monde exécuté par ordre de Sa
Majesté l'Empereur Nicolas Ier, sur la corvette
Le Séniavine, dans les années 1826, 1827, 1828,
et 1829. Partie historique.

3 vols., Paris, 1835-1836; atlas 1-38, 51 plates,
Paris, [1835].

Partie nautique avec un atlas.

1-343, St. Petersburg, 1836; atlas 34 plates,
[St. Petersburg], [undated].

Vol. 2, 1835, includes mentions or brief
descriptions of various Caroline atolls, especially
Mortlocks, Longounor and Ouleai; information on
geography and material culture. For vol. 3, see
Kittlitz, and Mertens, 1836. The atlas includes
maps and views of the Carolines, with explan-
atory notes by Postels and Kittlitz. The nautical
volume includes information on navigation among
the Carolines, especially useful to identify syn-
onyms of island names. The atlas includes maps
of many Caroline atolls, and one of Eaiwetok.
LC: G 420. L93, rare books.

Luke, H.

Britain and the South Seas.

1-71, London, 1945 a.

General account, with short sections on coral
islands and groups containing coral islands, with
some descriptive information, much of this quite
unreliable; aerial photograph of Tarawa. LC:
DU40. L79.

From a South Seas diary 1938-1942.

1-255, London, 1945 b.

Account of experiences as High Commissioner
of the western Pacific, with an informative chap-
ter on the Phoenix Islands with some natural histo-
ry observations, less information on the Gilbert
and Ellice Is. Harvard Univ. Lib.

Luomala, K.

Logbook of a voyage to the middle of the earth.
Pac. Disc. 4 (2): 4-13, 1951 a.

Popular but informative account of author's
ethnological expedition to Tabitenea, with short
stops at several of Ellice Islands and Tarawa.

Plants of Canton Island, Phoenix Islands.

Occ. Pap. Bishop Mus. 20: 157-174, 1951 b.

Includes a general description of the vegetation
and discussions of each of the plants collected or
reported from Canton, with ecological notes and
Hawaiian and Gilbertese names for some of the
plants collected; check list, map, and bibliography.

Ethnobotany of the Gilbert Islands.

Bishop Mus. Bull. 213: 1-129, 1953.

A comprehensive summary of published botanical
information on the Gilberts, including that found in
ethnological and general works, with results of the
author's field work on Tabitenea in 1948; bibliog-
raphy. Map.

Luschan, F. von

Zur Ethnographie der Matty-Insel.

Int. Arch. Ethn. 8: 41-56, 1895.

Mainly material culture, but with short note on
the island itself and a word on vegetation.

R. Parkinsons Beobachtungen auf Bôbolo und Hîa
(Matty und Durour).

Globus 78: 69-78, 1909.

Parkinson visited the two islands in 1899; no de-
scription of geography, a few mentions of plants
used in material culture, and, p. 72, list of
native words including some names of plants and
animals.

MacCaughy, V.

A survey of the Hawaiian coral reefs.

Am. Nat. 52: 409-438, 1918.

Extensive discussion of reef ecology, with some
information on the Hawaiian atolls, very little on
the land aspects; maps.

Macdonald, A.

Mystery of the coral atoll--Fanning.

Mid-Pac. Mag. 48: 246-248, 1935.

Popular account of Fanning Island incidents of
the Mangarevan expedition, with incidental geo-
graphic information.

MacFarlane, J. R. H.

Notes on birds in the western Pacific, made in H. M. S. Constance, 1883-5.
Ibis V, 5: 201-215, 1887.

Notes various species of birds on Ducie and on several central Pacific atolls; brief note on vegetation of Ducie and Fanning.

Macgillivray, J.

Narrative of the voyage of H. M. S. Rattlesnake. 1: 1-402; 2: 1-305, London, 1852.

Vol. 1 includes valuable information on aspect, flora and fauna of atolls in the Louisiade Archipelago (Bramble, Long atolls, and other coral islets). Vol. 2 includes, pp. 40-52, notes on Bramble Cay, mentioning birds, turtles, and crabs, and one plant. Pp. 355-359, catalogue of the birds, includes specimens from "the islands of Torres Strait, from Raine Islet to Bramble Cay."

LC: DU21. M19.

Macgregor, G.

Anthropological work of the Templeton Crocker expedition, 1933.

Bishop Mus. Bull. 124: 38-43, 1934.

Includes brief mentions of visits to Pukapuka, Sikaiana and the Phoenix Islands.

Notes on the ethnology of Pukapuka.

Occ. Pap. Bishop Mus. 11 (6): 1-52, 1935.

Good geographical description, pp. 5-8, notes on agriculture and land utilization, material culture, etc.; bibliography, photographs.

Ethnology of Tokelau Islands.

Bishop Mus. Bull. 146: 1-183, 1937.

Geography, environment, botany. No description of vegetation, but detailed topographical study, notes on winds and water supply, list of plants, and an extensive section on material culture. Bibliography.

Macgregor, W.

British New Guinea: country and people. 1-100, London, 1897.

Includes, p. 12, a word on Nada Atoll with a photo showing coconut palms and native huts.

LC: DU740. M2.

MacMillan, H. G.

Agriculture, general.

U. S. Commercial Company Economic Survey of Micronesia 10, part 1: 1-50, 1946 (unpublished).

Includes information on various Marshall and Caroline atolls.

MacMillan, H. G.

Interim report on cash crops.

Project E. 2 - Cash Crops, Report No. 1: 1-6, Noumea, 1950 (mimeographed by South Pacific Commission).

Not specifically on atolls, but contains section on copra production which is especially applicable to the agricultural economy of atolls.

Economic development of coral atolls.

Atoll Res. Bull. 2: 2, 1951.

Discusses South Pacific Commission project for research on agricultural problems of atolls.

Macmillan, L.

Notes sur les oiseaux des îles Loyauté.

Et. Mélan. 1 (1): 22-26, 1938; (2): 30-41, 1939.

Description of birds observed and collected in the Loyalty Islands (American Mus. of Nat. Hist. exped. 1937-38). The first part is a description of topography, vegetation, etc. P. 25, one of the few descriptions of Beautemps-Beaupre Atoll and sand bank Motau Tabou.

MacNeil, F. S.

Planation of recent reef flats on Okinawa.

Bull. Geol. Soc. Amer. 61: 1307-1308, 1950.

Gives evidence for recent 6-foot lowering of sea-level; of interest in connection with origin and destruction of dry land on atolls.

MacQuarrie, H.

Sikaiana or Stewart Island.

Jour. Polyn. Soc. 61 (3-4): 209-221, 1952.

Excerpts from an unpublished report written in 1924. Includes brief geographical description, notes on natives, foods, economic plants and animals, abundance of mosquitoes, etc.

Macrae, J.

See Wilson, W. F., 1922.

Madge, E. H.

New records and species of land Mollusca from the Mascarene and Chagos Archipelagoes.

Mauritius Inst. Bull. 2 (4): 211-240, 1946.

Includes enumeration of species from Diego Garcia.

Mahaffy, A.

Report on a visit to the Gilbert and Ellice Islands, 1909.

1-8, London, 1910.

Presented to Parliament by Gt. Britain High Commissioner for the Western Pacific. Contains incidental information on population, agriculture and economy. LC: DU815. G8.

Maiden, J. H.

The botany of Funafuti, Ellice group.

Proc. Linn. Soc. N. S. W. 29: 539-556, 1904.

Enumeration of plants, with notes on uses of economic ones, and native names (similar to Samoan names).

Maitland, A. G.

The phosphate deposits of Western Australia: in, *Les réserves mondiales en phosphates*. 14th Int. Geol. Congr. 2: 815-822, Madrid, 1928.

Mentions presence of guano in the Houtman's Abrolhos, especially in Pelsart Island. GS: 443 in 8r.

Maitland, A. G. and Jackson, C. F. V.

The mineral production of Western Australia up to the year 1903.

Bull. Geol. Surv. W. Austr. 16: 1-105, 1904.

Includes, pp. 86-87, information on guano deposits in the Abrolhos Is., including Pelsart group.

Malloch, J. R.

Trypetidae of the Mangarevan expedition (Diptera).

Occ. Pap. Bishop Mus. 14: 111-116, 1938.

Includes *Dacus incertus*, n. sp., from Hao.

Some Sapromyzidae (Diptera) from the Solomon Islands and New Caledonia.

Novit. Zool. 42: 131-146, 1940.

Discusses some records from Sikaiana, pp. 142-143.

Mamet, R.

Note sur les cochenilles de l'île d'Agaléga.

Rev. Agr. Maurice 87: 152-153, 1936.

Includes brief note on fauna (mentioning coconut crab and *Sterna fuliginosa*), and list of scales.

Report on a few Coccidae (Homopt.) collected by Mr. P. O. Wiehe in the Chagos Archipelago.

Mauritius Inst. Bull. 2 (1): 38, 1941.

Records six species.

Mamet, R.

A revised list of the Coccoidea of the islands of the western Indian Ocean, south of the equator. Mauritius Inst. Bull. 2 (3): 137-170, 1943.

Includes brief notes describing the atoll groups, and enumeration of species from them. Map.

Manchester, C. A., Jr.

The Caroline Islands; in, Freeman, *Geography of the Pacific*, 236-269, 1951.

Contains much general geographic information on atolls; bibliography.

Mangles,

[Notes on Coconuts or Keeling's Islands]; in, J. Holman, ed., *Travels in China, New Zealand,* 4: 385-388, 1840.

Notes on geography and natural history.

Marcadé, C.

Régime des vents et marche des cyclones dans les parages de l'archipel des Tuamotu.

Ann. Hydrogr. [France] II, 35: 47-91, 1915.

Includes description of 1905 and 1906 cyclones, with mentions of effects on various atolls, notes on winds, tables including information on wind direction, pressure, temperature, rainfall, etc. Observations made in Fakarava.

Marchena, E. de

United Nations visiting mission to the trust territories in the Pacific, 1953. Report on the Pacific Islands. 1-63, 1-3, [N. Y.], 1953, mimeographed, U. N. T/1055.

Very general report on political, social and economic affairs, little specific mention of atolls except a brief note on the Bikini people containing no original observation. Map of itinerary.

Marinkelle, C. J.

Verslag Excursie van de N. H. V. I. op 15 Januari 1950 naar het eiland "Middelburg."

Med. Natuurhist. Ver. 2 (3-4): 9-15, 1950.

Includes description, list of birds, butterflies, cryptogams and phanerogams. Sketch-map with notes on vegetation.

Het eiland Middelburg in de Baai van Djakarta. De Avifauna van het eiland "Middelburg" (P. Rambur).

Med. Natuurhist. Ver. 3 (1-2): 9-10, 1951.

Brief description and list of birds.

Marion,

Excursion aux îles Alacrans.

- Bull. Soc. Acad. Brest II, 9: 5-21, 1884.
Rather literary account of visit to Alacran Reef in 1865, containing some geographic information, with passing notes on fauna and vegetation.
- Marks, E. N.
Mosquitoes from southeastern Polynesia.
Occ. Pap. Bishop Mus. 20: 123-130, 1951.
Enumeration, with key to S. E. Polynesian species; includes records from Tuamotus, Fanning and Manihiki; bibliography.
- Markwith, C.
Farewell to Bikini.
Nat. Geogr. Mag. 90: 97-116, 1946.
Popular account of the removal of the Bikini people before the atom bomb experiments. Photos of Marshallese.
- Marples, B. J.
Spiders in Samoa and the southwest Pacific.
Eighth Pac. Sci. Congr. Abstr. Suppl. 29-31, 1953.
Incidentally mentions collections made on Tokelau, Pukapuka and northern Cook Islands but does not list species.
- Marques, A.
Notes pour servir à une monographie des îles Samoa.
Bol. Soc. Geogr. Lisboa 8: 5-158, 1889.
Includes, p. 13, a description of Rose Atoll, mentioning bushes and trees on one islet, and abundance of birds. Information appears to be compiled. Map.
- Marriott, Mrs. Ida (Lee) ed.
Captain Bligh's second voyage to the South Sea.. 1-290, London, 1920.
Includes, pp. 34-35, brief description of Bligh's lagoon island (Tematangi, Tuamotus) with sketch map. LC: DU20. B5.
- Marshall, G. A. K.
New species of Curculionidae from the Sunda Islands (Coleoptera).
Treubia 6: 212-220, 1925.
Includes two new species from Klein Kombuia (Daizend Eilanden), collected by Dammerman, 1920 and 1922.
- Marshall, J. T., Jr.
Vertebrate ecology of Arno Atoll, Marshall Islands.
SIM Rept. 6: 1-38, 1950 (mimeographed).
See next entry.
- Marshall, J. T., Jr.
Vertebrate ecology of Arno Atoll, Marshall Islands.
Atoll Res. Bull. 3: 1-38, 1951.
Ecological notes on reptiles, birds and mammals observed on Arno. Includes information on general environment, plants, human and animal parasites, earthworms, and insects especially termites. Notes on importance of animal pests, on sanitation, etc. Sketch maps.
- Suggestions as to collecting land vertebrates on coral atolls.
Atoll Res. Bull. 17: 65-68, 1953.
In addition to methods of collecting, special problems of interest on atolls are listed, and a special section on the parasites of vertebrates is provided.
- Martelli, U.
A new species of Pandanus from Fanning Island.
Univ. Calif. Pub. Bot. 13: 145-146, 1926.
Pandanus hermsianus, probably not native of Fanning (described from a fruit found on beach).
- La distribution geografica delle Pandanaceae.
Atti. Soc. Tosc. Sci. Nat. 43: 190-209, 1933.
Mentions extension of certain species to various Pacific atolls.
- Martens, E. von
Beiträge zur Meeresfauna der Insel Mauritius und der Seychellen. Mollusken.
1-352, [Berlin], [1890].
Includes a few records of land snails, from atolls, e. g. *Melampus luteus* from Diego Garcia, p. 208. Smi.: Mollusks Div..
- Martin, R.
Odonata, Aeschinidae Subfam. Aeschininae.
Genera Insectorum 115: 1-34, 1911.
Includes, p. 9, *Anax guttatus* from Keeling Atoll.
- Martini, F. H. W. and Chemnitz, eds.
Systematisches Conchylien-Cabinet.
Leipzig, 1837-1920.
Fundamental monograph of all mollusks, by various specialists. Includes atoll land-species. For bibliographic information on dates of publication of parts, see Journal of the Society for the Bibliography of Natural History 1 (4): 89-99, 1937. Smi.: Mollusks Div.
- Maskell, W. M.
Notes on cocoanut palm Coccidae.

Indian Mus. Notes 3: 66-67, 1893.

Reports two species from the Laccadives. See Cotes, 1893.

Mason, L.

Cultural adaptation of the Bikini Islanders to a new environment.

Proc. Haw. Acad. Sci. [25]: 5, 1950 a.

Abstract, with brief descriptions of environments on Bikini, Rongerik and Kili, Marshall Is., with mention of several food plants.

The Bikinians—a transplanted population.

Human Organ. 9 (1): 5-15, 1950 b.

Historical account of the handling of the displaced Bikini population, with incidental notes on climate, economic plants and agricultural potential in several of the Marshall Islands such as Bikini, Rongerik, Kili, etc.

Micronesia: Marshalls, Gilberts, Ocean Island, and Nauru; in, Freeman, Geography of the Pacific, 270-297, 1951 a.

General geographic treatment, with emphasis on anthropology, notes on climate, soils, vegetation, fauna, flora; maps, photographs, bibliography.

Man in the culture-environment relationship.

Atoll Res. Bull. 2: 12-13, 1951 b.

Discusses man's place in atoll environment and suggests future lines of investigation of culture-environment relationships.

Suggestions for investigating the culture of atoll peoples.

Atoll Res. Bull. 17: 111-115, 1953 a.

Description of methods of taking population censuses, study of economic activities, land tenure, etc.

Re-establishment of a copra industry in the Marshall Islands.

Proc. 7th Pac. Sci. Cong. 7: 159-162, 1953 b.

Includes information on native agriculture and economy.

Mason, L., Tobin, J., and Wade, G.

Anthropology-geography study of Arno Atoll, Marshall Islands.

SIM Rept. 7: 1-20+1, 1950 (mimeographed).

Contains a little geographical and natural resources information, as well as social studies; map.

Mason, L., [Tobin, J. and Wade, G.]

Anthropology-geography study of Arno Atoll, Marshall Islands.

Atoll Res. Bull. 10: 1-21, 1952.

Slightly revised issue of Mason et al., 1950. P. 21 is a proposed phonetic system and orthography by S. H. Elbert, used in spelling of Marshallese names in text and map.

Mason, L., and Uyebara, H.

A quantitative study of certain aspects of the man-land relationship in Marshallese economy at Arno Island.

Atoll Res. Bull. 17: 116-121, 1953.

Description of intensive methods used in a specific investigation.

Massal, E.

Rapport... sur la tournée des Gambier et Tuamotu rattachées.

Jour. Off. Océan. 83 (20): 481-485; (21): 506-510, 1934.

Health report on the southern Tuamotus, including references to food and water supplies.

Géographie médicale des îles Gambier et Tuamotu rattachées.

Ann. Med. Pharm. Col. 33: 998-1023, 1935 a.

Includes information on population figures, diseases, and food and water supply in Reao, Pukaruha, Tatakoto, Vahitahi, Nukutavaké and Tureia.

La lèpre dans les îles Tuamotu rattachées aux Gambier (îles Reao et Puka-ruha).

Ann. Med. Pharm. Col. 33: 1023-1038, 1935 b.

General information on leprosy in the Tuamotus, and the leper colonies of Reao and Pukaruha.

Massal, E., and Kerrest, J.

Annotated bibliography on filariasis, elephantiasis, and related aspects in the South Pacific Area.

South Pacific Commission. Fil. Conf. 4: 1-20, 1951, mimeographed.

Well annotated bibliography, various items refer to diseases and insects on Pacific atolls.

Mathew, G. F.

Life-histories of Rhopalocera from the Australian region.

Trans. Ent. Soc. London 1888: 137-188, 1888.

Observations made in Australia and Melanesia.

but some of the species mentioned are recorded from Ellice, Gilbert and Marshall Is.: *Junonia vellida*, p. 146; *Hypolimnas bolina*, p. 149.

Mathews, G. M.

The birds of Australia.

12 vols., supplements, London, 1910-1927.

Contains statements of distribution including various atolls, also, in the case of certain wide-spread species, discussion of local variation, describing forms from various islands, including atolls e.g., 4: 303, 1915, Palmerston, Laysan, etc. Many fine plates. LC: QL698. M3.

On the species and subspecies of the genus *Fregata*.

Austral Avian Rec. 2: 117-121, 1914.

Describes a new subspecies of *Fregata minor* from Laysan, and recognizes subsp. *palmerstoni* from the central Pacific.

A list of the birds of Australasia....

1-562, London, 1931.

In statements of distribution includes atoll records incidentally e.g., pp. 33, 152, etc. LC: QL693. M33.

A new name.

Emu 42: 122-123, 1942.

Pterodroma alba cantonia subsp. nov. described from Canton Island.

A working list of Australian birds including the Australian Quadrant and New Zealand.

1-184, Sydney, 1946.

Includes some records from Houtman's Abrolhos. LC: QL 693. M35.

Mathews, G. M. and Hallstrom, E. J. L.

Notes on the order Procellariiformes.

1-62, Canberra, 1943.

Notes on systematics and nomenclature, with keys. Include some mentions of atoll birds. LC: QL696. P6 M3.

Matschie, P.

Eine Robbe von Laysan.

Sitzungsber. Ges. Naturforsch. Freunde Berlin 1905: 254-263, 1905.

Description of a new seal, *Monachus schauinslandi*, with discussion of other species.

Matsumura, A.

Contributions to the ethnography of Micronesia.

1-174, Tokyo, 1918 (reprinted from Jour. Coll. Sci. Imp. Univ. Tokyo 40 (7): 1918).

Includes some information on material culture and economic plants of Marshall atolls; some of the photos shows Marshallese people, houses and canoes. LC: GN669. M3.

Matsumura, S.

Micronesian butterflies.

Ent. Mag. (Japan) 1: 63-68, 93-96, 1915.

In Japanese, except for names of species, mentions, p. 65, *Hypolimnas* (sic) *bolina* var. *jaluita*; English summary, p. 68, for descriptions of two new species, but locality not indicated.

Mathews, L. H.

Dampier: pirate and naturalist.

Nature 170 (4323): 498-499, 1952.

Brief notes discussing the useful natural history observations of Dampier. Mentions his report of West Indian seals at Alacran, see Dampier, 1698.

Maude, H. C., and Maude, H. E.

Adoption in the Gilbert Islands.

Jour. Polyn. Soc. 40: 225-235, 1931.

Ethnological article giving several native names for plants and mentioning presence of cats.

Maude, H. E.

The colonization of the Phoenix Islands.

Jour. Polyn. Soc. 61: 62-89, 1952.

Account of conception and carrying out of the colonization scheme by its originator; part 2 is a geographical account of the Phoenix Islands, with some natural history information. In part 1 is a discussion of population problems in Pacific Islands, especially the Gilberts. Map, photographs.

The co-operative movement in the Gilbert and Ellice Islands.

Proc. 7th Pac. Sci. Cong. 7: 63-76, 1953 a.

Includes information on economy in the various island groups.

Colonization experiments in the central Pacific.

Proc. 7th Pac. Sci. Cong. 7: 627-628, 1953 b.

Abstract, see Maude, 1952.

Maulik, S.

Chrysomelid Coleoptera of the subfamilies Eumolpinae, Galerucinae, and Halticinae from the Seychelles and other islands of the western Indian

Ocean.

Proc. Linn. Soc. London 141: 21-22, 1930.

Abstract of a paper, mentioning species from Farquhar group, and Dennis I. See 1931.

Maulik, S.

Coleoptera, Chrysomelidae: Eumolpinae, Galerucinae, and Halticinae.

Trans. Linn. Soc. Zool. II, 19: 241-260, 1931.

Systematic account of Percy Sladen expedition collections, including one species each from Dennis and Providence Is.

May, J. M.

Map of the world distribution of helminthiases.

Geogr. Rev. 42: 98-101, 1952 a.

Text accompanying large composite map; map indicates distribution of hookworms in Caroline, Marshall, Gilbert, and Ellice Islands, and of Wuchereria in these atolls and in the Tuamotus and Society Islands.

Map of the world distribution of dengue and yellow fever.

Geogr. Rev. 42: 283-286, 1952 b.

Text accompanying large composite map; map indicates dengue epidemics occurring repeatedly in Caroline, Marshall, Gilbert, and Ellice Islands.

Map of the world distribution of leprosy.

Geogr. Rev. 43: 89-90, 1953 a (separate map.)

Incidence of leprosy indicated on map for Tuamotus, Ellice, Gilberts, Marshalls, Caroline Atolls, figures given for Marshalls.

The mapping of human starvation.

Geogr. Rev. 43: 403-404, 1953b.

Notes on plate 9 of Atlas of Diseases. Maps of this plate indicate vitamin deficiencies in various atoll groups. Bibliography.

Maps of the world distribution of rickettsial diseases.

Geogr. Rev. 44: 133-136, 1954.

Brief account of diseases and comments on plates 10 (1953), 11 (1954) and 12 (1954) of Atlas of Diseases, which include distribution of agents and vectors in Pacific Islands, including atoll groups.

Mayer, A. G.

Marine biological laboratory at Tortugas, Florida. Carnegie Inst. Yearb. 4: 108-124, 1906.

Account of work at the laboratory, with some mentions of animals, introduced plants, etc. Includes reports by other authors, see Cowles, 1906.

The islands of the mid-Pacific.

Sci. Mo. 2: 125-148, 1916.

Includes some general descriptive notes on atolls, and some photos of houses and canoes in Funafuti and the Marshall Islands.

Mayer, A. G.

Later changed to Mayer, A. G.

Mayor, A. G.

Rose Atoll, American Samoa.

Proc. Am. Philos. Soc. 60: 62-70, 1921 a.

Careful geographic and geological description of the atoll, with treatment of vegetation and the animals observed, analyses of material of which the island is composed, and conclusion that most of material visible is of algal origin.

Rose Atoll, Samoa, in its relation to recent change in sea level.

Science, n. s. 54: 300, 1921 b.

Brief note.

Rose Atoll, American Samoa.

Carnegie Inst. Pub. 340: 73-79, 1924.

Description of surface features, vegetation, flora and fauna, good photographs. Same text as Mayor, 1921 a.

Mayr, E.

Die Vogelwelt Polynesiens.

Mitt. Zool. Mus. Berlin 19: 306-323, 1933.

Zoogeographic, including atolls of "Polynesia", meaning Pacific Islands.

Notes on New Guinea birds IV.

Am. Mus. Novit. 1006: 1-16, 1938.

Includes record from Ninigo: *Megapodius freycineti* eremita.

The origin and history of the bird fauna of Polynesia.

Proc. 6th Pac. Sci. Cong. 4: 197-216, 1940 a.

Zoogeographic discussion. Includes the birds of

Polynesian and Micronesian atolls in the discussion, but gives them rather slight attention.

Mayr, E.

Borders and subdivision of the Polynesian region as based on our knowledge of the distribution of birds.

Proc. 6th Pac. Sci. Cong. 4: 191-195, 1940 b.

Zoogeographic discussion, mentioning atoll faunas along with those of other islands; Polynesia defined in its broadest sense.

 List of New Guinea birds.

1-260, N. Y., 1941 (Am. Mus. Nat. Hist. Pub.).

Some atolls mentioned in ranges of various species. LC: QL694. N4 M3.

 Notes on the birds of northern Melanesia I.

Am. Mus. Novit. 1294: 1-12, 1945 a; (II) 1417: 1-38, 1949.

Includes some species from Ninigo group.

 Birds of the southwest Pacific.

1-316, N. Y., 1945 b.

Field guide to the birds of the Melanesian, Micronesian and western Polynesian islands, including various atoll records, usually by island group, but occasionally by individual island. LC: QL694. A1 M32.

 Bird conservation in the southwest Pacific.

Audubon Mag. 47: 279-282, 1945 c.

Popular article on the urgency of conservation: uses Wake and Laysan rails as examples of recently extinct species.

 Artbildung und Variation in der Halcyon-chloris-Gruppe; in: Mayr, E. and Schütz, E., ed. Ornithologie als biologische Wissenschaft... Festschrift zum 60. Geburtstag von Erwin Stresemann.... 55-60, Heidelberg, 1949.

Includes discussion of color variation of Halcyon saurophaga in the western atolls (Ninigo, Anchorite), pp. 56-57, and mention of *H. gambieri gertrudae* from Niau, p. 58. Smi.: Bird Div.

Mayr, E. and Amadon, D.

Geographical variation in *Demigretta sacra* (Gmelin).

Am. Mus. Novit. 1144: 1-11, 1941.

Includes notes on birds from various atolls (Micronesia, Tuamotus).

Mayr, G.

Neue Formiciden.

Verhand. zool.-bot. Ges. Wien 20: 939-996, 1870.

Includes, p. 977, *Pheidole sexspinosa*, n. sp., from the Ellice Islands.

 Die australischen Formiciden.

Jour. Mus. Godeffroy 5 (12): 56-115, 1876.

Includes some records from atolls (Ellice Islands).

 Hymenopterologische Miscellen II.

Verhandl. zool.-bot. Ges. Wien 53: 387-403, 1903.

Includes, p. 401, description of *Camponotus schaeferi*, from the Marshalls.

McCarthy, F. D.

The coconut-palm and its uses in Oceania.

Austr. Mus. Mag. 8: 224-228, 1944.

General notes. Mentions uses of fiber in Micronesia, especially Gilberts.

Meade-Waldo, G.

Hymenoptera, Diptera.

Trans. Linn. Soc. Zool. II, 15: 43-44, 1912.

Systematic account of collections of Percy Sladen expeditions including records from various Indian Ocean atolls.

Meares, J.

Voyages made in the years 1788 and 1789 from China to the northwest coast of America.... 2 vols., London, 1791.

In vol. 1, p. 123, is a short account of the discovery of the Tatee Is. (possibly Asia Is.) with very little information, and, pp. 126-131, of a visit to the Freewill Is. (Mapia), also with little information except that the islands are low, wooded, with coconut trees, and inhabited by Polynesians. LC: F8515. M7.

Mearns, E. A.

A list of birds collected by Dr. Paul Bartsch in the Philippine Islands... and Midway Island....

Proc. U. S. Nat. Mus. 36: 463-478, 1909.

List of birds from Midway, pp. 477-478.

Mears, E. G.

Pacific Ocean handbook, revised edition.
1-198, Stanford, 1944.

General geographic account with occasional paragraphs on atolls and an appendix on coral islands and reefs; many maps and illustrations. LC: GC771. M4, 1945.

Meinertzhagen, R.

Nicoll's birds of Egypt.

1: 1-348; 2: 349-700, London, 1930.

On p. 489, mentions that *Sula leucogaster* breeds on Glorioso Island. LC: QL692. N55.

Meinicke, C. E.

Die Gilbert- und Marshall-Inseln.

Zeitschr. f. Allg. Erdk. Berlin n. s. 15: 369-417, 1863.

Comprehensive compilation from a number of sources, all of them constantly acknowledged. Includes geographical description, notes on climate, vegetation, flora, fauna, natives' foods, etc.

Die Perrhyn-, Tokelau-, und Lagunen-Inseln. Zeitschr. f. Allg. Erdk. Berlin III, 3: 112-131, 1868.

Compiled information with bibliography, mostly general geographical information on central Pacific atolls.

Die Inseln des Stillen Oceans. I. Melanesien und Neuseeland, 1-382, Leipzig, 1875; II. Polynesien und Mikronesien, 1-487, 1876.

Detailed geographical monograph, not original, but numerous sources constantly acknowledged in footnotes, with some original critical observations or remarks. Includes notes on geography, flora, fauna, native life, etc. of many atolls. CY: En. 875.

Meise, W.

Ueber den Formenkreis *Aplonis cantoroides*. Ornith. Monatsber. 37: 111-113, 1929.

Aplonis cantoroides heureka, subsp. nov., from Ninigo and Matty, Mayr coll.

Menzio, C.

Dermatteri della Micronesia.

Mushi 13: 73-80, 1941.

Includes *Labia curvicauda* from Jaluit, Chelisoche morio from Wotje and Jaluit.

Merrill, E. D.

Comments on Cook's theory as to the American origin and prehistoric distribution of certain economic plants, especially *Hibiscus tiliaceus* Linnaeus. Philip. Jour. Sci. 17: 377-384, 1920.

Discusses strand plants, casually mentioning coral islands especially Palmyra.

Bibliography of Polynesian botany.

Bishop Mus. Bull. 13: 1-68, 1924.

Extensive list of references.

Polynesian botanical bibliography 1773-1935.

Bishop Mus. Bull. 144: 1-194, 1937.

Extensive list of references. "Polynesia" of author includes Micronesia.

Plant life of the Pacific world.

1-295, N. Y., 1945 (Fighting Forces edition, published by Infantry Journal: 1-298, Washington, 1945).

Popular, but highly informative account of common plants, especially economic ones, and the vegetation of the tropical region, including references to atolls. LC: QK471. M4.

A botanical bibliography of the islands of the Pacific. Contr. U. S. Nat. Herb. 30: 1-322, 1947.

Lists and annotates all papers known to the author to contain botanical material.

Mertens, [K. H.]

Mémoire sur l'archipel des Carolines, particulièrement sur les îles basses.

Rec. Act. Séances Pub. Acad. St Petersburg 1829: 93-186, 1830.

Includes information on geography and native life on the atolls, especially Lukunor, Woleai, Ulithi, and the Hall Islands. Some mention of vegetation, much information on economic plants, with botanical and native names. Brief notes on birds.

Notices sur les îles Carolines; in, Lütke, Voyage... Le Sényavine....

3: 132-144, 1836 a.

General notes on vegetation and plants in the low Carolines, pp. 141-143; generalities on atolls.

This paper together with Mertens, 1836 b, contains the same material as Mertens, 1830.

Mertens, K. H.

Observations sur les habitans des Iles Carolines, and, Des moeurs et usages des habitans des Carolines basses; in, Lütke, Voyage... de Séniavine... 3; 144-151, 151-236, 1836 b.

Notes on native customs, animals, plants, especially much information on economic plants; foods, and plants used in material culture.

Mertens, R.

Die Rassen des Smaragdkinkes, *Dasia smaragdinum* Lesson.

Zool. Anz. 84; 209-220, 1929.

Summary of subspecies, including *D. smaragdinum viridipunctum* (Lesson) extending to the Marshalls.

Ablepharus boutonii (Desjardin) und seine geographische Variation.

Zool. Jahrb. Syst. 61; 63-210, 1931.

Monograph; the systematic part includes records from various atolls.

 Die Insel-Reptilien, ihre Ausbreitung, Variation und Artbildung.

1-209, Stuttgart, 1934 (published as Heft 84 of Zoologica).

Discussion of zoogeography and evolution of reptile faunas of islands. Includes occasional mentions and discussions of atoll species. Bibliography. LC: QL 641. M4.

 Die Familie der Warane (Varanidae).

Abhandl. Senckenb. Naturforsch. Ges. 462; 1-116; 465; 117-234; 466; 235-391, 1942.

Monograph; the third part, taxonomy, includes *Varanus (Varanus) indicus* from the Marshalls, pp. 263, 264.

Metcalf, Z. P.

Fulgoroidea and Jassoidea of Guam.

Bishop Mus. Bull. 189; 105-148, 1946.

Includes *Lamenia caliginea* recorded from Ellice Islands and Funafuti.

Mettenius, G.

Cryptogamae vasculares; in, Reise der Oesterreichischen Fregatte Novara... Botanischer Theil I; 197-228, 1870.

Enumeration of species collected during the Novara expedition; includes a few from Sikayana e. g., *Vittaria plantaginea* var. *elongata*, p. 203,

Asplenium laserpittifolium, p. 212. LC: Q115 N9 b.

Meyrick, E.

Descriptions of Lepidoptera from the south Pacific. Trans. Ent. Soc. London 1886; 189-296, 1886.

Includes records from Ellice and Marshall Islands, some of them new.

 On Pyralidina from Australia and the south Pacific. Trans. Ent. Soc. London 1887; 185-200, 1887.

Includes *Dolichostricha trapezalis* from the Ellice Islands, p. 217.

 Lepidoptera; in, Gardiner, The fauna and geography of the Maldive and Laccadive archipelagos I; 123-126, 1902.

Systematic.

 Descriptions of Micro-Lepidoptera from Mauritius and the Chagos Isles.

Trans. Ent. Soc. London 1910; 366-377, 1910.

Includes two new species from Chagos.

 Tortricina and Tineina.

Trans. Linn. Soc. Zool. II, 14; 263-307, 1911.

Systematic account of collections of the Percy Sladen expedition, recording a number of species from the atolls of the western Indian Ocean.

 The Micro-Lepidoptera of the "St. George" expedition.

Trans. Ent. Soc. London 76; 489-521, 1928.

Includes a record from Chagos, and one from Napuka. Three species described from Fakarava.

 Pacific pyrales of the "St. George" expedition.

Trans. Ent. Soc. London 77; 155-169, 1929.

Includes records from Ellice, Tuamotus and Marshalls.

 Pyrales and Microlepidoptera of the Marquesas Islands.

Bishop Mus. Bull. 114; 333-355, 1934.

Labdia leucoxantha recorded from Ellice Islands.

Mez, C.

Myrsinaceae.

Pfl. 9 (IV, 236); 1-437, 1902.

- Monographic; includes at least one atoll record, *Ardisia humilis*, from the Maldives, p. 128.
- Michaelsen, W.
Oligochäten von den Inseln des Pacific....
Zool. Jahrb. Syst. 12: 211-246, 1899 a.
Summarizes systematics of earthworms in the Pacific, describing a new "semi-marine" form from Laysan.
-
- Terricolen von verschiedenen Gebieten der Erde.
Mitt. Naturh. Mus. Hamburg 16: 1-122, 1899 b.
Enumeration of species of earthworms, many of them new, listed by regions; the list for Celebes includes *Pontodrilus ephippiger* var. *laysaniannus* from Laysan.
-
- Oligochäten von verschiedenen Gebieten.
Mitt. Naturh. Mus. Hamburg 27: 47-169, 1910.
On p. 85, reduces his *P. ephippiger* var. *laysaniannus* from Laysan, to *Pontodrilus bermudensis* Bedd. f. *typica*; *P. laccadivensis* Bedd. also reduced to this form.
-
- Die Oligochäten von Neu-Caledonien und den benachbarten Inselgruppen.
Nov. Caled. Zool. 1(3): 173-280, 1913.
Includes, p. 267, *Pheremita taitensis* from Jaluit.
- Miers, E. J.
Crustacea: in, Report... of the 'Alert'... 513-575, 1884.
Includes a few shore crustacea from Amiranter and Glorioso. See Günther, 1884, and Coppinger, 1883.
- [Milledge, A.]
Beschreibung der Merir Insel im Nördlich Stillen Ocean. West-Polynesien.
Hydrogr. Mitt. 1: 101-102, 1873.
Excerpt from Mercantile Marine Magazine, Feb. 1873. Brief note, with short description of island.
- Miller, H. A. and Doty, M. S.
Bryophytes from Arno Atoll, Marshall Islands.
Atoll Res. Bull. 25: 1-10, 1953.
Enumeration of species collected by Horwitz in 1951, with key to Arno bryophytes.
- Miller, R. E.
Health report of Kapingamarangi.
Atoll Res. Bull. 20: 1-42, 1953.
Results of health survey in 1950. Includes information on geography and general environment, food plants, water supply, diseases, etc.
- Millspeugh, C. F.
Plantae Utowanæ... Catalogue of the species.
Field Mus. Pub. Bot. 2: 1-110, 1900 a.
Contains short narrative, map, and list of plants collected on Antillean cruise of the Utowana in 1899, including various species collected on Alacran Reef; *Cenchrus insularis* Scribn. described from there as new, also *Tribulus alacranensis* Millsp.
-
- Plantae Utowanæ... A reconsideration of *Cakile*.
Field Mus. Pub. Bot. 2: 125-133, 1900 b.
Describes *Cakile alacranensis* from Alacran Reef.
-
- Flora of the sand keys of Florida.
Field Mus. Pub. Bot. 2(5): 191-245, 1907.
Pp. 224-235 contain brief descriptions, vegetation maps, and lists of floras of each of the keys (islets) of the Tortugas group (Dry Tortugas).
-
- Vegetation of Alacran Reef.
Field Mus. Pub. Bot. 2: 421-431, 1916.
Detailed description of vegetation and list of plants, with geography of atoll, maps, photographs. Based on visit in 1899.
- Miner, R. W.
On the bottom of a South Sea pearl lagoon.
Nat. Geogr. Mag. 74: 365-390, 1938.
Popular description of marine life on Tongareva reef. One of the photos shows the atoll. Unimportant.
- Mitchell, S. A.
With an astronomer on an eclipse expedition.
Sci. Monthly 47: 5-21, 1938.
The total solar eclipse of 1937; includes a few notes on vegetation and animals on Canton Island, from which the eclipse was observed.
- Miyake, S.
Notes on Crustacea *Brachyura* collected by Professor Teise Esaki's Micronesia Expeditions 1937-1938....
Rec. Oceanogr. Works Japan 10(2): 168-247, 1939.
Includes some land and shore crabs from Micronesian atolls e.g., Tobi, Ngaruangel, Marshalls

and Gilberts. Bibliography.

Moereels, A. J. P.

Groot Boompjes-Eiland.

Trop. Nat. 12: 156-158, 1923.

Brief description, with mentions of plants, and some photos.

Moerenhout, J. A.

Notice sur plusieurs voyages et un séjour de plus de six années dans les îles de la Société et dans plusieurs autres des archipels de l'Océanie.

Bull. Soc. Géogr. Paris II, 3: 22-35, 1835.

General notes on islands of the southeast Pacific, including some information on the Tuamotus, aspect, plants, etc. Apparently taken from author's book, see Moerenhout, 1837.

Voyages aux îles du Grand Océan.

1: 1-574, 2: 1-520, Paris, 1837.

Valuable account of author's voyages and work in the southeastern Pacific. Vol. 1 includes descriptions of atolls: Ducie, Tuamotus, with notes on plants, animals, natives' foods, etc. Chapter on formation and productions of islands includes general notes on low islands, with mentions of plants, animals, weather. LC: DU 21, M69.

Mörner, B.

Arafis Tropiska År.

1-251, Stockholm, 1914.

Mainly ethnological account including Aua and Wuvulu; many photographs, maps; in Swedish. NYPL.

Moldenke, H. N.

An alphabetic list of invalid and incorrect scientific names proposed in the Verbenaceae and Avicenniaceae.

1-59, N. Y., 1942.

A bare list of names, with equivalents, including at least one species found only on atolls, Mallophora? euphrasioides H. & A. equals Nesogenes euphrasioides (H. & A.) A. DC.

An alphabetic list of invalid and incorrect scientific names proposed in the Verbenaceae, Avicenniaceae, Stilbaceae, and Symphoremaceae.... Supplement 1.

1-30, N. Y., 1947.

A bare list of names with equivalents, including at least one name applied to an atoll plant,

Buchnera? Cham. equals Nesogenes euphrasioides.

Moldenke, H. N.

The known geographic distribution of the members of the Verbenaceae, Avicenniaceae, Stilbaceae, Symphoremaceae, and Eriocaulaceae.

1-215, New York, 1949 (processed).

List, based on author's examination of herbarium specimens, includes records from Tuamotus, Midway, Marshalls, and perhaps other atolls.

The known geographic distribution of the members of the Verbenaceae, Avicenniaceae, Stilbaceae, Symphoremaceae, and Eriocaulaceae. Supplement 4. Phytologia 3: 374-382, 1950.

Supplement to Moldenke, 1949, containing a few records of Avicennia from "Low Island."

The known geographic distribution of the members of the Verbenaceae, Avicenniaceae, Stilbaceae, Symphoremaceae, and Eriocaulaceae. Supplement 5. Phytologia 3: 448-468, 1951.

Reports, p. 468, Vitex trifolia from Johnston Island, cultivated.

Molengraaff, G. A. F.

Modern deep-sea research in the East Indian archipelago.

Geogr. Jour. 57: 95-121, 1921 a.

Purely geological paper, but with scattered references to, and maps showing, East Indian atolls. Useful in gaining clues to which minor East Indian islands should be regarded as atolls. Bibliography.

De geologie der zeeën van Nederlandsch Oost-Indië. 272-357, Leiden, 1921 b (separate from Der zeeën van Nederlandsch Oost-Indië).

Geological paper, with physical geographical data on East Indian atolls, enumerating and discussing most or all of them. Charts and diagrams, bibliography. LC: QE301. D8 M6.

Molengraaff, G. A. F. and Weber, M.

Het verband tuschen den plistoceenen ijstijd en het ontstaan der Soenda-zee...

Versl. K. Akad. Wet. Amsterdam 28: 497-544, 1919.

Geological and zoogeographic, with geological descriptions of a number of atolls in the East Indies.

Moriyama, T.

Birds of Micronesia.

- English text 1-78, Japanese text [1-350, 1-5], errata 1-17, Tokyo, 1922 a.
A series of papers by several authors, include various atoll birds; Japanese part illustrated, with tables and maps. Maps useful to identify some island names. Smi; Bird Div.
- Momiyama, T.
Descriptions of two new genera and nine new subspecies of birds from Micronesia; in, author's *Birds of Micronesia*, English text, 1-24, 1922 b.
Aplonis opaca anga, p. 6, from Woleae.
- Monzon, M.
Voyage aux Paracels.
Tropiques 302: 36-39, 1948.
Account of an official visit in 1947. Brief description, map.
- Moore, F.
A monograph of *Limnaina* and *Euploeina*, two groups of diurnal Lepidoptera belonging to the subfamily Euploeinae; with descriptions of new genera and species. Part II. *Euploeina*.
Proc. Zool. Soc. London 1883: 253-324, 1883.
Includes two species recorded from the Ellice Islands: *Nipara distincta*, p. 258, and *Andasena eleutha*, new comb., p. 272.
- Moore, S. G.
Report of the first voyage of the missionary packet "Morning Star".
Naut. Mag. 27: 449-457, 529-536, 1858.
Describes visits to atolls of Marshalls, Carolines and Gilberts, with some geographic information and a little on natural features, but obscured by synonymy of island names. Not important.
- Moore, W. R.
Gilbert Islands in the wake of battle.
Nat. Geogr. Mag. 87: 129-162, 1945 a.
Popular article describing islands after the invasion, with some photographs showing vegetation.
- Our new military wards, the Marshalls.
Nat. Geogr. Mag. 88: 325-360, 1945 b.
Popular account of Marshalls during the war, with some interesting photos, especially two aerial photos of Arno, one of Kwajalein.
- Feast day in Kapingamarangi.
- Nat. Geogr. Mag. 97: 523-537, 1950.
Photographs show native people, food preparation, canoes. Aerial photo of Touhou islet. Map.
- Moorhouse, S.
The Cocos Islands.
Canad. Geogr. Jour. 34: 86-89, 1947.
Popular notes on the history of Cocos-Keeling atoll.
- Moquin-Tandon, A.
Amarantaceae.
DC. Prodr. 13 (2): 231-424, 1849.
Records *Achyranthes velutina* from Hao Atoll, p. 316.
- Moreau, C.
Situation, étendue, établissement civil et militaire et population des îles et flots formant les dépendances de l'île Maurice (Ile-de-France).
Bull. Soc. Géogr. Paris 8: 211-223, 1827.
Includes general information on atolls of the southwest Indian Ocean, with notes on water supply, a few plants and animals, etc., and population figures.
- Moresby, F.
On the Seychelle Islands.
Naut. Mag. 11: 585-590, 676-682, 739-746, 1842.
Directions for the islands of the southwest Indian Ocean, and notes on some of them, Amirantes and other atolls near the Seychelles, Agalega, Sable (Tromelin), Cosmoledo, Glorioso, and Cargados.
- Moresby, J.
Discoveries and surveys in New Guinea and the D'Entrecasteaux Islands, a cruise in Polynesia and visits to the pearl-shelling stations in Torres Straits of H. M. S. "Basilisk."
1-327, London, 1876.
Pp. 71-80, visit to Ellice group, with notes on cocoanut trees, taro planting, etc. LC: DU740. M84.
- Moresby, [R.]
Extracts from Commander Moresby's report on the northern atolls of the Maldivas.
Jour. R. Geogr. Soc. 5: 398-404, 1835.
Practical account of geography of atoll of Milledou Madoue, with references to surface, geology, vegetation, fresh water wells, rats, and material culture.
- [The Chagos Archipelago].
Trans. Bombay Geogr. Soc. 1: 307-310, 1844.
Excerpt from a report, with notes on plants,

animals, water supply, abundance of pumice, etc.

Morison, S. E.

Historical notes on the Gilbert and Marshall Islands. *Am. Neptune* 4: 87-118, 1944.

Detailed historical account, clearing up much synonymy of island names; photos, maps.

Morley, C.

Hymenoptera, Ichneumonidae.

Trans. Linn. Soc. Zool. II, 15: 169-179, 1912 a.

Systematic account of collections of Percy Sladen expedition, records *Echthromorpha notulatoria* from Peros Banhos Atoll, Chagos.

A revision of the Ichneumonidae based on the collection in the British Museum (Natural History). 4 vols. London, 1912b-1915.

Includes at least one atoll record in vol. 2: 45, 1913; *Echthromorpha insidiator*, from the Gilberts. LC: QL 568. I2 B85.

Morrell, B., Jr.

A narrative of four voyages to the South Sea, north and south Pacific Ocean ... 1822-1831.

1-492, N. Y., 1832.

Includes account of visits to the Leeward Hawaiian Islands, Clipperton, some of the Caroline atolls and Taun (Massacre) with brief notes on foods, and vegetation. See Dumont d'Urville, 1833. LC: G463. M87.

Morrison, J. P. E.

Atoll research in zoology - land and marine.

Atoll Res. Bull. 1: 16-17, 1951.

Brief summary of present state of knowledge of faunas of atolls.

The Berlese method of collecting small insects and other animals from leafmold, soil, moss, or other similar materials.

Atoll Res. Bull. 17: 73, 1953 a.

Description of apparatus and method.

Collecting mollusks on and around atolls.

Atoll Res. Bull. 17: 74-77, 1953 b.

Practical suggestions, including special methods for obtaining minute land and freshwater forms, with drawing of set of screens for concentrating small shells from litter.

Moseley, H. N.

Notes by a naturalist. An account of observations

made during the voyage of H. M. S. "Challenger" ... a new and revised edition

1-540, London, 1892.

Includes, pp. 299-302, account of Raine Island, with notes on structure, plants, birds, turtles and insects. Notes disappearance of garden planted by the "Fly" expedition (see Jukes, 1847). LC: Q11. M88.

Moss, F. J.

Through atolls and islands in the great South Sea. 1-317, London, 1889.

Account of the author's voyage, with a great deal of geographical and historical information diffused through it, concerning various atolls. Chapter 2 is a general description of atolls. Atolls in all parts of the Pacific are discussed, but the author actually visited those in the central Pacific and Micronesia. LC: DU21. M75.

[Motoda, S.]

[Account of a journey to Tobī and Sōsoro islands]. *Kagaku Nanyō* 2: 102-121, 1939 (translated by K. Mutsaers, edited by A. C. Mason, 1950).

Geographical account with data on plants, animals, people, many photographs, maps of group and of individual islands; includes also Merir and Pulu Anna. Population statistics are of interest. GS.

Moulton, D.

Thysanoptera collected by the Mangarevan expedition.

Occ. Pap. Bishop Mus. 15: 141-150, 1939.

Thrips albipes, from Hao; *Dichaetothrips niger*, from South Marutea.

Mousson, A.

Description de quelques espèces terrestres, de divers points de l'océan Pacifique et de l'Australie.

Jour. Conch. 17: 55-68, 1869.

Includes two new species of land shells from Anaa, one from Tuamotus.

Faune malacologique de quelques îles de l'océan Pacifique occidental.

Jour. Conch. 21: 101-116, 1873.

Enumeration of species collected by Graeffe in the Ellice Islands.

Müller, F.

Vierter Nachtrag zum Katalog der herpetologischen Sammlung des Basler Museums.

Verhandl. Naturf. Ges. Basel 7: 669-717, 1885.

Includes mention of specimens of lizards from Tarawa and Arno, p. 703.

Müller, F. von

Descriptive notes on Papuan plants I-V [Appendix, Addition, Index].

I-II: Melbourne, 1875-1877 (I: 1875, II: 1876, III: 1876, IV: 1876, V: 1877, according to introductions to parts. No title page).

On p. 59 (part IV) is a list of Jensen's collections in Gilbert, Union and Ellice Islands. NYBG.

Müller, K.

Monographische Kritik der Lycopodiaceen-Gattung *Psilotum* Sw.

Bot. Zeit. 14: 217-227, 233-243, 1856.

Revision of *Psilotum* and allied genera. Includes p. 238, *Bernhardtia oahuensis*, n. sp., from Radak (Chamisso).

Musci polynesiaci praesertim Vitiani et Somoani Graeffeani.

Jour. Mus. Godeffroy 3: 51-90, 1873-1874.

Includes a few records from atolls e. g., *Hypnum faulense* from Faule islet (Stewart-Atoll), p. 88. Samoani correctly spelled in table of contents.

Laubmoose (Musci Frondosi); in, Schleinitz, Die Forschungsreise S. M. S. "Gazelle".... 4: 1-63, 1889.

Systematic; on p. 48, describes *Leucophanes pucciniferum*, on pp. 53-54, records *Macromitrium semipellucidum*, both from Anchorite Islands.

Muir, F.

On some fulgorids from the south Pacific.

Ann. Mag. Nat. Hist. IX, 20: 85-91, 1927.

Systematic, includes several species from Ellice Islands.

Mumford, E. P.

The present status of studies of faunal distribution with reference to oceanic islands.

Proc. 6th Pac. Sci. Cong. 4: 241-248, 1940.

Summarizes occurrence of the various groups of non-marine animals, except insects, incidentally mentioning absence of several on atolls; principally important as showing the almost complete lack of information on the atoll faunas.

Mumford, E. P. and Mohr, J. L.

Preliminary report on the infectious diseases of enemy occupied territories. Part I: the Japanese Mandated Islands and Guam.

Jour. Trop. Med. Hyg. 46: 15-23, 1943 a.

Notes on diseases and their vectors (bacteria, protozoa, fungi, metazoa), including many references to the Marshalls; bibliography.

Mumford, E. P. and Mohr, J. L.

Background to post-war reconstruction. Part I.

Preliminary report on parasitic and other infectious diseases of the Japanese Mandated Islands and Guam. Am. Jour. Trop. Med. 23: 381-400, 1943 b.

Reports a number of diseases with their vectors and causal organisms from the atolls of the Marshalls and Carolines. Includes bacteria, fungi, protozoa, worms, insects. Bibliography.

Manual of the distribution of communicable diseases and their vectors in the tropics. Pacific Islands Section - Part I.

Am. Jour. Trop. Med. 24 (3) supplement: 1-26, 1944.

Reports many diseases with their causal organisms and vectors, including bacteria, worms, protozoa, fungi, mites, insects, etc. from many Pacific atolls.

Munro, G. C.

Myriad-nested Laysan.

Asia 30: 686-689, 1930.

Popular but very informative account of the island, especially the birds, but also vegetation, from notes made by author on visit in 1891, with discussion of ecology and subsequent changes, with good early photographs.

A vanishing bird.

Elepaio 1 (4): 1, 1940 a.

Concerns a high island bird, but includes a paragraph on *Telespiza cantans*, from Laysan, and its ecology.

Birds of Hawaii - The wedge-tailed shearwater - continued.

Elepaio 1 (8): 1-4, 1940 b.

Includes notes on occurrence and ecology on Hawaiian Atolls.

Birds of Hawaii.... The white or love tern.

Elepaio 1 (10): 1-5, 1941 a.

Occurs in Hawaiian Atolls, ecological notes.

Birds of Hawaii.... The noddy in Hawaii.

Elepaio 1 (12): 1-4, 1941 b.

Includes notes on the Hawaiian and Central Pacific Atolls, Swains, etc.

Munro, G. C.

Birds of Hawaii ... Bulwer's petrel.

Elepaio 2 (1); 1-3, 1941 c.

Ecological notes on Hawaiian Atolls.

Birds of Hawaii ... The Christmas Island shearwater.

Elepaio 2; 16-18, 1941 d.

Includes important ecological notes on Hawaiian Atolls.

Birds of Hawaii ... An ocean cruise.

Elepaio 2; 34-36, 41-43, 49-51, 1941 e; 2; 56-58, 63-64, 67-68, 72-73, 77-78, 1942; 3; 2-3, 5-6, 7-8, 12-13, 15-16, 18-19, 1942; 22-23, 26-27, 1943.

Account of voyage aboard the Kaolokai with H. C. Palmer to Leeward Hawaiian Islands in 1891, with important note on Laysan finch and extensive ecological notes on the Hawaiian Atolls.

Bird banding return.

Elepaio 3; 3, 1942.

Brown booby banded on Howland, recovered on Nauru.

Birds of Hawaii ... Some breeding and feeding habits of seabirds.

Elepaio 4; 17-18, 23-25, 1943.

Contains ecological notes on Laysan and other Hawaiian Atolls, also Central Pacific Atolls.

Birds of Hawaii ... Notes on migrations and straggling birds.

Elepaio 4; 33-34, 37-38, 41-42 [see also note p. 43], 1944 a.

Contains extensive notes on bird banding on Central Pacific and Hawaiian Atolls.

Collecting specimens of birds.

Elepaio 4; 45-46, 51-52, 1944 b.

Contains records of species from Jarvis and Howland Islands.

Mr. and Mrs. Morrison of Midway Island.

Elepaio 4; 52, 1944 c.

Includes notes on birds.

Munro, G. C.

Birds of Hawaii.

1-189, Honolulu, 1944 d.

Includes the birds of the Leeward Atolls, with descriptions and notes on habits and ecology. LC: QL694. H3 M8.

Tragedy in bird life.

Elepaio 5; 48-49, 1945 a.

Account of extinction of birds on Midway by rats, also earlier occurrences on Laysan.

Endangered bird species of Hawaii.

Elepaio 5; 76-79, 1945; 6; 1-6, 1945 b.

Contains ecological notes on birds of Hawaiian Atolls; bibliography.

The small birds of Midway.

Elepaio 6; 13-14, 1945 c.

Ecological notes bearing on possible existence, still, of Laysan rails.

Notes on the bird life of Midway Islands.

Elepaio 6; 22-26, 1945 d.

Ecological notes, based on recent and former visits.

Notes on Midway Island birds.

Elepaio 6; 43-46, 1946 a.

Ecological notes, including observation that "pumice" recorded in 1891 is regurgitated cuttlebone.

Laysan Island in 1891.

Elepaio 6; 51-52, 60-61, 66-69, 1946 b.

"First published in Asia Magazine": see Munro, 1930. Ecological notes on birds, also including note on Howland and Baker Islands.

Facts about birds.

Elepaio 6; 73-74, 82-83, 1946 c.

Contains ecological notes on birds of Hawaiian Atolls.

Notes on the black-footed and Laysan albatrosses.

Elepaio 7; 28-29, 1946 d.

Mostly on Oahu, but brief note on Midway and

Laysan.

Munro, G. C.

Notes on the Laysan rail.

Elepaio 8: 24-25, 1947 a.

Ecological notes on Laysan and Midway.

The white-tailed tropic bird.

Elepaio 7: 59-61, 1947 b.

Mentions occurrence on Midway.

Some seeding plants detrimental to birds.

Elepaio 9: 50-51, 1949.

Ecological notes, mentioning Palmyra, Rose Atoll, and Kure.

Cannibalism in frigate birds.

Elepaio 13: 56-57, 1953.

Notes on behavior of birds on Laysan, Lisianski, and central Pacific Islands. See Phillips, 1952.

Munro, G. C. and Northwood, J. d'A.

Concerning seabirds.

Elepaio 2: 74, 1942.

Contains remarks on boobies of Hawaiian and central Pacific Atolls, and on Laysan albatross on Midway.

Murphy, R. C.

Birds collected during the Whitney South Sea expedition I.

Am. Mus. Novit. 115: 1-11; (II) 124: 1-13; (III) 149: 1-2, 1924; (IV) 322: 1-5, 1928.

Includes records from the Tuamotus and other atolls, some species new.

The romance of science in Polynesia.

Nat. Geogr. Mag. 48: 355-426, 1925.

Popular account including some notes on the Tuamotus (birds, water-supply), and a few photos.

On certain forms of *Puffinus assimilis* and its allies.

Am. Mus. Novit. 276: 1-15, 1927.

Includes discussion of records from Pacific atolls.

On *Pterodroma cookii* and its allies.

Am. Mus. Novit. 370: 1-17, 1929.

Includes some records from atolls.

Murphy, R. C.

Oceanic birds of South America.

2 vols., N. Y., 1936.

Monographic treatment, including in its statements of distribution and ecological discussions a great number of records of birds and much information on their habits and occurrence on many Pacific atolls, e. g. pp. 1147, 1166, pl. 72, etc.; also at least one note on Aves, p. 122, and a description and map of Rocas Reef, with several birds recorded from it, pp. 145-146; bibliography. LC: QL689. A1 M8.

A new species of petrel from the Pacific; in, Mayr, E. and Schütz, E., eds.

Ornithologie als biologische Wissenschaft ...

Festschrift zum 60. Geburtstag von Erwin Stresemann 89-91, Heidelberg, 1949.

Pterodroma ultima described from Oeno and recorded from Timoe, Maria and Ducie. Smi.: Bird Div.

The populations of the wedge-tailed shearwater (*Puffinus pacificus*).

Am. Mus. Novit. 1512: 1-21, 1951.

Includes discussion of specimens of various subspecies from various atolls. The notes on *Puffinus pacificus chlororhynchus*, pp. 17-20, include a discussion of the locality "Krusenstern Islands" of *Puffinus cuneatus* Salvin; author concludes that this is one of the Leeward Hawaiian Islands. See Salvin, 1888, and Fisher, H. I., 1946.

Murphy, R. C. and Irving, S.

A review of the frigate-petrels (*Pelagodroma*).

Am. Mus. Novit. 1506: 1-17, 1951.

Mentions a specimen of *Pelagodroma marina dulciae* from Pelsart, p. 11.

Murphy, R. C. and Mathews, G. M.

Birds collected during the Whitney South Sea expedition VI.

Am. Mus. Novit. 350: 1-21, 1929.

Includes species from central Pacific and Tuamotuan Atolls.

Murphy, R. C. and Mayr, E.

Birds [of atolls].

Atoll Res. Bull. 1: 19-20, 1951.

Outline of problems in need of solution regarding habits and behavior of atoll birds.

- Murphy, R. C. and Penoyer, J. M.
Larger petrels of the genus *Pterodroma*.
Am. Mus. Novit. 1580: 1-43, 1952.
Includes information on systematics and biology of atoll forms, especially from Oeno, Ducie and the Tuamotus.
- Murphy, R. E.
Geographic studies in the easternmost Carolines.
CIMA Rept. 5: 1-135, 1948 a (unpublished, but portions included in Murphy 1948 b, and 1949).
Detailed study of physical and economic geography of Mokil, with studies of history and land ownership; contrast of low and high islands from a physical and human geographical standpoint; many photographs of Mokil and Pingelap; maps; short bibliography.
- Landownership on a Micronesian atoll.
Geogr. Rev. 38: 598-614, 1948 b.
Geographical account of Mokil with some information on agriculture but mainly sociological; excellent photographs showing vegetation. Map.
- "High" and "low" islands in the eastern Carolines.
Geogr. Rev. 39: 425-439, 1949.
Contrasts the physical features, climate, agriculture, etc. of high and atoll islands. Some excellent photographs.
- The economic geography of a Micronesian atoll.
Ann. Assoc. Am. Geogr. 49: 58-83, 1950.
Includes detailed description of native agriculture on Mokil, Caroline Islands, with several good photographs of plants and vegetation.
- Changing patterns of agriculture in the easternmost Caroline Islands.
Proc. 7th Pac. Sci. Cong. 7: 163-170, 1953.
Includes information on Mokil and Pingelap.
- Navas, L.
Insectos exóticos.
Brotéria zool. 20: 49-63, 1922.
Includes *Chrysopa seurati*, sp. nov., from Hae (Seurat coll.).
- Nay, [G.]
Hydrographie de l'archipel Tuamotu.
Jour. Soc. Océanistes 7 (7): 231-234, 1951.
Description of current work by the French Navy, in mapping atolls of the Tuamotus.
- Nederlandsch Aardrijkskundig Genootschap
De Zeeën van Nederlandsch Oost-Indië.
1-506, Leiden, 1922.
Includes much information of general interest in the study of islands. Notes on coral islands in chapter on geology, see Molengraaff, 1921 b. Maps, bibliography. LC: GC791. N4.
- Needham, J. G.
Neureptera, Myrmeleonidae from the Indian Ocean.
Trans. Linn. Soc. Zool. II, 16: 243-246, 1913.
One ant-lion, *Myrmeleon obscurus*, reported from Bird and Dennis, Farquhar, and Amirantes.
- Neumann, L. G.
Note sur les Ixodidae recueillis dans des îles de l'océan indien par M. J. Stanley Gardiner.
Trans. Linn. Soc. Zool. II, 12: 193-196, 1907.
Systematic treatments of collections of Percy Sladen expedition.
- Nevill, G.
Hand list of Mollusca in the Indian Museum, Calcutta.
1-338, Calcutta, 1878.
Includes *Pupina (Rhegistoma) cumingiana* from Ebon, p. 301, and *Melampus luteus* from Diego Garcia, p. 217. Smi.: Mollusks Div.
- New Zealand. Air Department.
Meteorological observations for 1939-1948.
Wellington, 1940-1952.
Yearly reports, including data from stations in the Cook and Tokelau atolls. LC: QC992. N82.
- New Zealand, Census and Statistics Office.
Population census, 1936. II. Dependencies.
1-11, Wellington, 1937.
Includes census of the N. and S. Cook Is., and the Tokelau Is. Brief notes on each island, and various data on population, native or otherwise. LC: HA 3031, 1936.
- *Population census, 1945. II. Island territories.*
1-14, Wellington, 1947.
See above entry. LC: HA3031, 1945.
- New Zealand. Dept. of Island Territories.
[Annual reports on the Cook and Tokelau Islands].
App. Jour. N. Z. House Repr. Vol. 1 App. A-3: 1-82; A-6: 1-13, 1952.
This and earlier yearly reports include much information on the islands, their geography, climate, economic plants, population figures, domestic animals, water supply, etc. Tokelau Islands in-

cluded in reports on Western Samoa 1925-1948.

New Zealand. Dept. of Island Territories.

Cook Islands, New Zealand's tropical province. 1-32, Wellington, 1950.

Includes information on the atolls; location, population figures. AGS: 71.

New Zealand Dept. of Scientific and Industrial Research.

Apia Observatory. Apia, Western Samoa. Annual Reports 1933-1949, Wellington, 1936-1951.

Include data for the Tokelau Islands and for Nassau (report for 1933). LC: QB82. A75.

Apia Observatory. Apia, Western Samoa. Magnetic and meteorological results for 1948-1950, Wellington, 1950-1952.

Yearly reports, include climatological data for the Tokelau Islands. LC:

Newham, E. V.

The climates of Addu Atoll, Agalega Islands and Tristan da Cunha.

Gt. Britain Meteor. Off. Prof. Note 7 (101): 1-20, 1949 (M.O. 524 a).

Includes brief descriptions, maps and two good photos of Addu. Brief description and a photo of Agalega. Meteorological data include winds, temperature and humidity, clouds, rainfall, squalls, etc.

Nicoll, M. J.

On the birds collected and observed during the voyage of the "Valhalla", R. Y. S., from November 1905 to May 1906.

Ibis VIII, 6: 666-712, 1906.

Includes, pp. 686-692, description of Glorioso, with notes on plants, animals, etc. Enumeration of species.

Three voyages of a naturalist. 1-246, London, 1908.

Account of the cruises of the "Valhalla." Includes a chapter on Glorioso, and Du Lise, with brief description, mention of birds, turtles, and especially *Birgus latro* (on Du Lise). Photos. LC: QH95. N66.

See Meinertzhagen, 1930.

Niermeyer, J. F.

Barriereriffen en atollen in de Oost-Indiese Archipel. Tijdschr. Kon. Neder. Aardrijksk. Genoot. II, 28: 877-894, 1911; 29: 64-65, 225-227, 623-636, 1912.

Basic geographical and geological discussion of East Indian atolls and reefs; map.

Nishida, S.

An account of a trip to the South Seas.

Trans. Sapporo Nat. Hist. Soc. 6: 80-84, 1915.

Notes on various plants, especially mangroves, including mention of occurrence of mangrove on Jaluit. Tr. Takeda.

Nobili, G.

Ricerche sui Crostacei della Polinesia.

Mem. R. Accad. Sci. Torino II, 57: 351-430, 1907.

Mostly describing Seurat's collections from Tahiti, the Tuamotus and Gambier Is. Includes some shore and land crustacea from the Tuamotus: *Coenobita*, *Birgus*, *Geograpsus*, *Cardiosoma*, *Armadillo*, *Ligia*, etc.

Nomura, S.

Zur Kenntnis der Aphodiiden aus Mikronesien (Coleoptera: Scarabaeidae).

Mushi 15: 77-82, 1943.

Includes a record of *Saprosites pigmaeus* from Dachalut (Jaluit?).

North, A. J.

Note on the occurrence of the common shoveller and the long-tailed cuckoo in the Gilbert group. Proc. Linn. Soc. N. S. W. II, 9: 584-585, 1895.

Note accompanying an exhibit of a pair of *Spatula clypeata* from Butaritari (where it was probably blown by a gale) and one of *Urodynamis tahitiensis* from the same island, all sent by Mr. Swayne.

Aves.

Australian Mus. Mem. 3: 79-86, 1896 a.

Account of birds of Funafuti, based on Hedley's collections and notes. Ecological as well as systematic. See Hedley, 1896-1900.

On the habits of a cuckoo in the Gilbert Islands. Proc. Zool. Soc. London, 1896: 934-935, 1896 b.

Notes on habits of *Eudynamis tahitiensis* from Niu, Butaritari, Funafuti, incidentally mentioning some other birds; information transmitted by a resident of the atolls.

Nerth, A. J.

On a species of pigeon frequenting the atolls of the Ellice group.

Rec. Austr. Mus. 3: 85-87, 1898.

Globicera pacifica; includes list of other birds recorded from the Ellice Atolls.

Nozikov, N. [N.]

Russian voyages round the world.

1-165, London, [undated] (translated by E. and M. Lesner).

Accounts extracted from the journals of voyages of Krusenstern, Lisiansky, Golovnin, and Litke (Lütke); on pp. 138-144 is some information on certain atolls of the Carolines; unimportant.
LC: G420. A1 N62.

Nugent, L. E., Jr.

Coral reefs in the Gilbert, Marshall and Caroline Islands.

Bull. Geol. Soc. Am. 57: 735-779, 1946.

Mainly marine geology, but with much physical geographic information, brief notes on climate, a complete tabulation of all coral islands in these groups, maps, bibliography.

Nutting, C. C.

Bird rookeries on the island of Laysan.

Popular Sci. Mo. 63: 321-332, 1903.

Popular notes on Laysan, describing bird population. Photos.

Oakley, R. G.

Entomological observations in the Marshalls, Caroline, and Mariana Islands.

U. S. Commercial Company Economic Survey of Micronesia 14-2: 1-82, 1946 (mimeographed).

Contains annotated lists of insects attacking all of the principal economic plants on several of the Caroline and Marshall Atolls.

Oberholser, H. C.

Description of a new genus of Anatidae.

Proc. Biol. Soc. Wash. 30: 119-120, 1917 a.

Description of *Horizonetta*, a new genus for the Laysan teal.

Notes on the genus *Puffinus* Brisson.

Auk 34: 471-475, 1917 b.

Includes discussion of birds from the Marshalls and Laysan.

O'Brien, F.

Atolls of the sun.

1-508, N. Y., 1922.

Popular collection of essays and anecdotes, some on the Tuamotus, mostly on Tahiti and the Marquesas, of value principally for some photographs showing atoll scenes. LC: DU50. O3.

O'Connor, F. W.

Some results of medical researches in the western Pacific.

Trans. R. Soc. Trop. Med. Hyg. 16: 28-56, 1922.

Includes notes on hygiene, population, diseases and their agents and carriers in the Tokelau and Ellice Islands; some of the photos show typical breeding places of mosquitoes.

Researches in the western Pacific

1-57, London, 1923.

Published as no. 6, Research memoirs, London School of Hygiene and Tropical Medicine. Includes information on human diseases and their carriers in the Ellice and Tokelau Islands.

Ofuchi, S.

See Ohfuchi, S.

[Ohashi, K.]

[The coconut scale].

Insect World 21: 444-453, 1917.

Notes on distribution and control of this pest in Micronesia, mentioning its presence in the Marshalls; in Japanese.

Ohfuchi, S.

On the *Oligochaeta* from the East and West Carolines, South Sea Islands I.

Palao Studies 2 (1): 7-28, 1940.

Records *Pheretima montana* (Kinberg) from Kayangar, Palau, p. 20 (Kayangel Atoll).

Okabe, M.

[A botanical research of the Marshall Islands].

Sangyō no Nanyō 4 (5): 1-10, 1941 a.

Includes history of botanical exploration, description of the vegetation of Jaluit, and detailed information on economical utilization of indigenous and cultivated plants, with tables summarizing it. Tr. Takeda.

An enumeration of the plants collected in Marshall Islands.

Jour. Jap. For. Soc. 23: 261-272, 1941 b.

In Japanese; 179 species known from Jaluit, some

of them new records. Brief description of vegetation. Author's collection in 1941. Abstr. Hosok. Tr. Takeda.

Oldham, C. F.

Natural history notes from H. M. Indian marine survey steamer 'Investigator'... i. The topography of the Arabian sea in the neighbourhood of the Laccadives. ii. The physical features of some of the Laccadive Islands with suggestions as to their mode of formation.

Jour. Asiat. Soc. Bengal 64 (2): 1-14, 1895.

Includes some information on surface geology and geography.

Oliver, D. L.

Summary of findings and recommendations.

U. S. Commercial Company Economic Survey of Micronesia 1: 1-148, 1946 (mimeographed).

General digest, including data on geography, agriculture, forestry, natural resources, climate, conservation, population, etc., for some Micronesian atolls. LC: HC464. M5 U6 vol. 1.

The Pacific Islands.

1-313, Cambridge, Mass., 1951 a.

Popular anthropological account from a historical slant, with incidental information on the geography of various atolls, economics, and agriculture; maps, bibliography. LC: DU22. O6.

Planning Micronesia's future.

1-94, Cambridge, Mass., 1951 b.

Second edition of Oliver 1946, somewhat edited and with some notes added. LC: HC464. M5 U62.

Oliver, W. R. B.

The genus *Coproama*.

Bishop Mus. Bull. 132: 1-207, 1935.

Describes *Coproama oceanica* from Tuamotus. The plant is really *Hedyotis romanzoffianis*.

Olivier, J.

Twee etmslen op en rond het eiland Edam.

Trop. Nat. 20: 82-90, 1931.

Includes brief description, notes on flora, fauna, vegetation. See also "Rectificatie," p. 120. Photos.

Oman, P. W.

A new leafhopper from Oceania (Homoptera, Cicadellidae).

Pan-Pac. Ent. 19: 33-34, 1943.

Nesaloha cantonis, n. g., n. sp., from Canton Island.

Ommauney, F. D.

The shoals of Capricorn.

1-322, London, N. Y., Toronto, 1952.

Popular account of a fisheries survey trip in the islands of the western Indian Ocean, mostly about the high islands, but with considerable geographical and natural history information on the atolls. LC: DT468. O5, 1952 a.

Orchymont, A. d'

Check list of the *Palpicornia* of Oceania.

Occ. Pap. Bishop Mus. 13: 147-160, 1937.

Coelostoma sp. recorded from Marshall Is., and *Helochares simulator* from Atafu, Tokelau Is. Bibliography.

O'Reilly, P. et al.

Bibliographie de l'Océanie.

Jour. Soc. Océanistes 1: 187-231, 1945; 2: 289-317, 1946; 3: 173-200, 1947; 4: 205-244, 1948; 5: 233-269, 1949; 6: 293-325, 1950; 7: 327-370, 1951; 8: 329-361, 1952.

A bibliography of current items, arranged by subjects and main divisions of the Pacific. Exists as reprints. Collaborators vary, not listed here.

Ortenburger, A. I.

Further notes on reptiles collected by the Whitney South Sea expedition.

Copeia 117: 59-60, 1923.

Records a number of lizards from Society Atolls and Tuamotus.

Ortmann, A.

Die Decapoden-Krebse des Strassburger Museums. VIII.

Zool. Jahrb. Syst. 7: 683-772, 1894.

Includes some land and shore species from various atolls.

Oshima, M.

[Distribution of the Reptilia of the western Caroline archipelago with notes on Weber's line].

Zool. Mag. (Tokyo) 55: 63-64, 1943.

Includes enumeration of species from west Micronesia, several of them from Soanorol and Tobl; in Japanese except for Latin names.

Oustalet, E.

Monographie des oiseaux de la famille des Méga-podidés (Deuxième partie).

Ann. Sci. Nat. Zool. VI, 11: 1-182, 1881.

- Systematic and zoogeographic; includes, pp. 103-105, *Megapodius eremita* from Ninigo.
- Oustalet, E.
Les mammifères et les oiseaux des îles Mariannes. N. Arch. Mus. Hist. Nat. Paris III, 7: 141-228, 1895; 8: 24-74, 1896.
Based mostly on the collections of Marche in the Marianas, but includes mentions of many Pacific atoll records.
- Owen, E. W.
Account of the Cocos or Keeling Islands. Jour. R. Geogr. Soc., London 1: 67-69, 1831.
General descriptive notes, with enumeration of plants and animals, both native and introduced, no scientific names given. A word on soil and climate.
- Owen, L.
Notes on the phosphate deposits of Ocean Island; with remarks on the phosphates of the equatorial belt of the Pacific Ocean. Quart. Jour. Geol. Soc. London 79: 1-15, 1923.
Mentions the occurrence of phosphate in the central Pacific Atolls, and gives some figures on composition of deposits on Clipperton and Malden, p. 2.
- Owen, R.
Crustacea; in, Beechey, The zoology of Captain Beechey's voyage 77-92, 1839.
Includes a few shore and land species from "the low islands of the Pacific Ocean" (Tuamotus) pp. 80, 84.
- Owen, R. P.
Comprehensive report on the rhinoceros beetle in the Palau Islands. 1-13, Guam, 1950.
Mimeographed memorandum to the High Commissioner, Trust Territory of the Pacific Islands, including information on the effect of this pest on the forests of coconuts in Palau, and its other host plants. Includes data on Kayangel Atoll.
- Owen, W. F. W.
[Geography of the Maldiva Islands]. Jour. R. Geogr. Soc. London 2: 81-92, 1832.
Mostly quoting from Pyrard de Laval, 1679. Some original observations on the Maldives and Diego Garcia, mentioning economic plants, shortage of fresh water. Says that coco-de-mer fruit drift to the Maldives from the Seychelles.
- Pacific Area Communicable Disease Information Service.
Description of the service; six month summaries of communicable diseases reported by PACDIS. Pac. Sci. Ass. Inf. Bull. PS/52/6: 1-37, 1952.
The tables of reported cases for various diseases include figures for Wake, Canton and the Gilberts and Ellice Islands Colony.
- [-----]
PACDIS Annual Consolidation. Pac. Sci. Ass. Inf. Bull. PS 53/3 & 4: 2-5, 1953 a.
Information on disease cases reported in 1952 for various areas. Includes some figures for the Gilbert and Ellice Colony.
- Summary report for 1953. First six months. Unpaged, Honolulu [1953b].
Includes reports on Gilbert and Ellice Islands, Wake and Canton Islands.
- Pacific Science Council Secretariat.
Report on the Pacific Science Association. Bishop Mus. Spec. Pub. 41: 1-115, 1951.
Includes information on the activity of the Association since its creation in 1920, especially on the seven first Pacific Science congresses, with summary of their recommendations, many of which concerned atolls (see Fosberg, 1953 c).
- Organizations engaged in scientific research on an international scale in the Pacific. 1-32, Honolulu, 1953.
Gives information on aims, publications, etc. of various organizations concerned with the Pacific. Some of their programs concern atolls.
- [Pacific War Memorial].
Our heritage in the Pacific. 1-13, [1953].
Booklet containing information on Pacific War Memorial and mentioning work on atolls carried on by Pacific Science Board.
- Pagenstecher, A.
Die geographische Verbreitung der Schmetterlinge. 1-451, Jena, 1909.
Includes notes on factors of distribution; lists and notes for each faunal region; various atoll groups considered with species listed; notes on distribution by families. DA: 430 Pl4.
- Papy, H. R.
Les plantes utiles de Tahiti et des Etablissements

français d'Océanie.

Rev. Int. Bot. Appl. Agr. Trop. 31 (339-340): 94-113, 1951.

Hardly any mention of the Tuamotus, but some notes on coconut palms and pandanus.

Paravicini, E.

Beiträge zur Kenntnis der Molluskenfauna von Java.

Arch. Molluskenk. 67: 169-175, 1935.

Includes *Amphidromus inversus* Müll. (tree snail) from the Dutzend Eilanden, p. 173.

Parker, H. W.

Revised list of reptiles (excluding chelonians) and amphibians collected in the Seychelles.

Trans. Linn. Soc. Zool. II, 19: 443-446, 1936.

Contains several species from low islands, e. g. Dennis, Amiranter, Tuamotus.

Parkinson, R.

Beiträge zur Ethnographie der Matty- und Durour-Inseln.

Int. Arch. Ethn. 9: 195-203, 1896.

Includes brief notes on geography and food plants and some mentions of plants used in material culture.

Zur Ethnographie der Ongtong Java- und Tasman-Inseln.

Int. Arch. Ethn. 10: 104-118, 137-151, 1897.

Includes some information on material culture, and historical account for the atolls Ontong Java, Nuguria, Tauu and Nukumannu.

Dreissig Jahre in der Südsee.

1-876, Stuttgart, 1907.

Ethnology of the Bismarck Archipelago. Includes brief notes on Wuwulu, Aua, Anchorite, Ninigo, Kilinailau, Nukumanu, Tauu and Nuguria; information on geography, general environment, material culture, etc. Photographs. LC: DU60. P3.

Parkinson, S.

A journal of a voyage to the South Seas in his Majesty's ship, The Endeavour
1-212, London, 1773.

Pp. 12-13, reports sighting several of Tuamotus, including Chain I. (Anaa) but no mention of going ashore. P. 71, notes discovery of Toopbai (Tupai) but says nothing of going ashore; records *Guettarda speciosa*, p. 39, and *Aeschynomene*

speciosa (*Sebania grandiflora*), p. 43, from Toopbai; p. 46, *Pandanus tectorius* "found in great plenty on all the low islands." LC: G420. C65 P3.

Patouillard, N.

Champignons recueillis par M. Seurat dans la Polynésie française.

Bull. Soc. Myc. France 22: 45-62, 1906.

Includes several fungi recorded from the Tuamotus.

Paty, J.

Report of the exploring voyage of the schooner "Manuokaval", Capt. Paty.

Friend 14: 42-43, 1857.

Note on Hawaiian Leeward Islands; includes some useful information on Laysan and Lisianski.

Paulding, H.

Journal of a cruise of the United States Schooner Dolphin

1-258, N. Y., 1831.

Includes descriptions and notes on vegetation and food plants in various atolls: Caroline, Tokelau, Nukunau, Tapeteuea, Mill, Arno, Maria (discovered by the Dolphin and named Hull's Island). Map of Mill. LC: DU 21. P32.

Paulus, J., ed., et al.

Encyclopaedie van Nederlandsch-Indië.

8 vols., The Hague, Leyden, 1917-1939.

Volumes 5 to 8 are supplements. Includes some general information on some of the low coral islands. LC: DS633. E5, 1917.

Peale, T. R.

Mammalia and ornithology; in, U. S. Exploring Exped. 8: 1-338, Phila., 1848.

This volume, now very rare, was replaced in the official series by Cassin's, which see; contains many original descriptions, including many species of birds from various Pacific Atolls; mammals; *Mus exulans*, p. 47, from "nearly all the coral islands visited by the Expedition." Smi.

Pearse, A. S.

Observations on certain littoral and terrestrial animals at Tortugas, Florida

Carnegie Inst. Pub. 391: 205-223, 1929 a.

Biological study; includes enumeration of shore and land crustacea from Tortugas, with some notes on their habits.

Two new mites from the gills of land crabs.

Carnegie Inst. Pub. 391; 225-230, 1929 b.

Description of two new Acarina from two species of land crustacea from Tortugas.

Pease, W. H.

Descriptions of six new species of land shells from Ebon, Marshall's group, in the collection of H. Cuming, Esq.

Proc. Zool. Soc. London 1860; 439-440, 1860.
Enumeration.

Descriptions of new species of *Partula*, inhabiting the Tahitian Archipelago.

Am. Jour. Conch. 2; 193-203, 1866.

Includes, p. 197, a discussion of *P. amabilis* Reeve, described from Anaa; says that no *Partula* is known from Anaa or any atoll; incidentally enumerates land shells really known from Anaa.

Descriptions of new species of land shells inhabiting Polynesia.

Am. Jour. Conch. 3; 223-230, 1867.

Includes *Helicina oceanica*, from Kingsmill Islands (Gilberts).

Description of a new genus and eleven species of land shells inhabiting Polynesia.

Am. Jour. Conch. 4; 153-160, 1868 a.

Includes *Helicina colorata* from Anaa, p. 156.

Descriptions of marine Gastropoda, inhabiting Polynesia.

Am. Jour. Conch. 4; 91-102, 1868 b.

Includes a shore species, *Laimadonta conica*, recorded from the Tuamotu, p. 101.

Catalogue of the land-shells inhabiting Polynesia
Proc. Zool. Soc. London 1871; 449-477, 1871 a.

Includes some species from Apaiang (*Truncatella concinna*, sp. nov.), Anaa, Ebon, Kreiangel, Raraka.

Synonymie de quelques genres et espèces de coquilles terrestres habitant la Polynésie.

Jour. Conch. 19; 92-97, 1871 b.

Reduces various species from Tuamotus to synonymy with earlier species; enumerates species from Anaa.

Pelzeln, A. von

Vögel; in, *Reise der Oesterreichischen Fregatte Novara* Zoologischer Theil I; 1-176, 1869.

Includes birds collected in Sikayana, one of them new; *Carpophaga frauenfeldii*, p. 106. List of species from Sikayana p. 163. LC: Q115. N9z.

On the birds in the Imperial collection at Vienna obtained from the Leverian Museum.

Ibis 1873; 14-54, 105-124, 1873.

Enumeration of birds, some of them types, acquired by the Vienna Museum, several of them from Cook's voyages; on p. 42, discusses a bird from Cocos-Keeling; on p. 123, mentions two specimens of *Gygis candida*, probably from Christmas Island, which may be the original material of Latham's white tern.

Pemberton, C. E.

Quarantine measures against insects carried by transpacific airplanes.

Proc. 6th Cong. Int. Soc. Sugar Cane Techn. 595-596, 1939.

Note on quarantine station on Midway.

Entomology.

Rpt. Exper. Sta. Hawaiian Sugar Pl. Assoc. 1940-41; 21-27, 1941.

Includes notes on quarantine stations at Canton and Midway, mentioning some of the pests destroyed during inspection of planes.

Insects carried in transpacific airplanes.

Hawaiian Pl. Rec. 48; 183-186, 1944.

Note on insect quarantine stations on Canton and Midway.

Progress in the control of invertebrate pests in the Pacific Islands.

Eighth Pac. Sci. Congr. Abstr. 122-123, 1953.

Mentions definite establishment of a parasite of *Latrodectus geometricus* on Kwajalein.

Pennant, T.

Indian zoology.

1-161, London, 1790 ("Advertisement" dated March 1, 1791).

Includes translation of *Fannula indica* (see Latham, 1795). Maldivian pratricole listed, p. 84. LC: QL309. P4.

Perkins, E. T.

Na motu; or, reef-rovings in the South Seas . . .
1-456, N. Y., 1854.

Contains brief description of atolls in the appendix. Unimportant. LC: DU21. P44.

Perkins, R. C. L.

Aves; in, Sharp, D. ed., Fauna Hawaiianis,
1 (4): 396-465, Cambridge, England, 1903.

Includes birds from the Hawaiian Atolls. Smi.
Bird Div.

[List of Midway and Laysan insects collected by
G. P. Wilder].

Proc. Hawaiian Ent. Soc. 1: 33-34, 1906.

Not a formal article but a list and short discussion of an exhibit at a meeting of the society, with 13 species recorded.

Descriptions of new Hawaiian Coleoptera.

Proc. Hawaiian Ent. Soc. 7: 509-515, 1931.

Includes *Proterhinus phoenix*, n. sp., from Enderbury.

Pétard, P.

La végétation madréporique du district de Teavaro
(Île Moorea).

Jour. Soc. Océanistes 4: 115-131, 1948.

Enumeration of flora of a coral strand locality on Moorea. Mentions the fact that most of these plants are atoll plants, and occur for instance in the Tuamotus. Notes on native uses and names refer in part to the Tuamotus.

Peters, J. L.

Notes on some night-herons.

Proc. Boston Soc. Nat. Hist. 39: 263-277, 1930.

Systematic; includes *Nycticerax caledonicus hilli*, p. 274; "Casual or accidental on Cocos Keeling Island."

Check-list of birds of the world.

6 vols. Cambridge, Mass., 1931-(being continued).

Systematic, includes atoll records. LC: QL677. P45.

Peters, J. L. and Griscom, L.

A new rail and a new dove from Micronesia.

Proc. New England Zool. Club 10: 99-106, 1928.

Description of two new birds, one from Apaiang, the other from Ebon.

Peters, W.

Ueber neue oder weniger bekannte Saurier.

Monatsh. Akad. Wissensch. Berlin, 1872: 774-776, 1873 a.

Includes *Lygosoma (Hinnlia) smaragdinum* var. *viridifuscum*, from Boston Island. (Ebon).

Ueber den *Hydrus fasciatus* Schneider und einige andere Seeschlangen.

Monatsh. Akad. Wiss. Berlin 1872: 848-861, 1873 b.

Includes two records from the Gilberts, one a new species. (Sea-snakes).

Ueber die von Herrn Dr. Finsch aus Polynesien gesandten Reptilien.

Sitzungsber. Ges. Naturforsch. Freunde Berlin 1881: 72, 1881.

Several species recorded from Marshalls and Tarawa.

Peterson, R. T.

A field guide to the birds, ed. 2.

1-290, Boston, 1947.

Covers birds of the eastern United States, incidentally recording, p. 117, *Sterna fuscata fuscata*, and p. 250, *Petrochelidon fulva cavicola* from the Dry Tortugas. LC: QL681. P45, 1947.

Pfeiffer, L.

Descriptions of twenty new species of *Helicea* in the collection of H. Cuming Esq.

Proc. Zool. Soc. London 1846: 37-41, 1846 a.

Includes *Bulimus (Partula) amabilis*, p. 38, from Anaa. See Pease, 1866.

Monographischer Versuch über die Gattung *Truncatella* Risso.

Zeitschr. Malak. 1846: 177-190, 1846 b.

Mentions *Truncatella scalariformis* Reeve from Anaa, p. 186.

Monographia *Pneumonopomorum viventium*.

1-439, Cassel, 1852.

Mentions *Cyclophorus? flavus*, p. 85, from Anaa (Cuming). LC: QL430. 4 P52.

A monograph of the genera *Realia* and *Hydrocena*.

Proc. Zool. Soc. London 1854: 304-309, 1854.

Includes *Hydrocena solidula*, n. sp., from Lord Hood (S. Marutea).

Pfeiffer, L.

Monographia Auriculaceorum viventium.
1-209, Cassel, 1856.

Includes some atoll records. LC: QL430.5A9 P5.

Monographia Pneumonopomorum viventium ...
Supplementum primum.

1-249, Cassel, 1858.

Includes record of *Hydroceus solidula* from S. Maratea. LC: QL430.4 P52.

Monographia Pneumonopomorum viventium ...
Supplementum secundum.

1-284, Cassel, 1865.

Includes a few atoll records. Smi.: Mollusks Div.

Monographia Heliceorum viventium.

8 vols., Leipzig, 1868-1877.

Includes a few atoll records, e. g. vol. 5: 55, 7: 68, *Helix striolata* (now *Liarideta*) from Ebon. Smi.: Mollusks Div.

Monographia Pneumonopomorum viventium ...
Supplementum tertium, Monographiae auriculaceorum. Parte secunda auctum.

1-479, Cassel, 1876.

Includes records of various atoll species. Smi.: Mollusks Div.

Pfeiffer, L. (Clessin ed.).

Nomenclator Heliceorum viventium ...
1-617, Cassel, 1878-1881.

Systematic index of species, indicating original place of publication and habitat, with alphabetical index of genera and species; includes a few atoll species, e. g. *Helix striolata* Pease, from Ebon. Smi.: Mollusks Div.

Phillips, J. C.

Two problems in the migration of water fowl.
Auk 33: 22-27, 1916.

Discusses flights of American species of ducks observed over the Marshalls. See Reichenow, 1901, and Brandels, 1899.

A natural history of the ducks.

4 vols., Boston, N. Y., 1922-1926.

Includes atoll birds, such as Laysan teal, and

atoll records of various bird migration routes.

Colored plates. LC: QL696. A5 P5, rare books.

Phillips, R. W.

Infanticide in frigate birds.

Elepaio 13: 44, 1952.

Brief note reporting two instances when birds destroyed egg or young. Observations made on Midway.

Pic, M.

Neuveautés diverses.

Mélanges exot. - entom. 42: 1-32, 1924.

Descriptions of new species, including *Sessinia impressithorax*, p. 18, from the Marshalls.

Pickering, C.

Geographical distribution of animals and plants [Part II]; in, [U. S. Exploring Exped. 19 (2)]; 1-524, [Philadelphia, 1876].

A general discussion of distribution, with sections on islands visited by the expedition; pp. 221-248, a section describing various groups of atolls, with lists of plants, and in other sections many references to ranges of species including atolls; the synonyms of island names here used are very useful in interpreting geography of other reports of this expedition. See Haakell, 1942, for bibliographic data. LC: Q115. W6.

Pickering, J.

On the language and inhabitants of Lord North's Island.

Mem. Am. Acad. Arts Sci. n. s. 2: 205-247, 1846.

Early account of Tobi I., with notes on material culture, a few plant names, note on taro culture and on the effect of a typhoon in filling the taro-patches with sand. Based on reports from a rescued castaway sailor.

Pigeard, [J.] C. [E.]

Voyage dans l'Océanie centrale, sur la corvette française Le Bucéphale. Polynésie - Deuxième partie.

1-132, Paris, 1846.

Account of a voyage from the Marquesas to Tonga and New Caledonia. Includes a short description of Flint and Palmerston, mentioning aspect of vegetation. The first part of the voyage was to be published at a later date, but has not been seen. LC: DU510. P62.

Pilsbry, H. A.

Mid-Pacific landmass faunas.

- Proc. Nat. Acad. Sci. 2: 429-433, 1916.
Contains some data on landshell faunas of atolls.
Mostly a zoogeographic discussion.
-
- Manual of conchology.
See under Tryon and Pilsbry.
- Pilsbry, H. A. and Cooke, C. M., Jr.
Notes on the land snail family Tornatellinidae.
Nautilus 47: 59-62, 1933.
Includes discussion of *Lamellidea* (*Tornatellina*) *variabilis*, from Palmyra.
- Pilsbry, H. A., Cooke, C. M. and Neal, M. C.
Land snails from Hawaii, Christmas Island and Samoa.
Bishop Mus. Bull. 47: 1-49, 1928.
Includes *Pupoidopsis hawaiiensis*, from Christmas I.
- Pitt-Rivers, G. H. [L. F.]
Aua Island (British New Guinea).
Austr. Mus. Mag. 2: 41-44, 1924.
Brief note, with mention of food plants, mostly on social organization and fishing.
- Pitt-Rivers, G. [H.] L. F.
Aua Island; Ethnographical and sociological features of a South Sea pagan society.
Jour. Anthr. Inst. Gt. Brit. 55: 425-438, 1925.
Includes historical account, and brief incidental notes describing island, mentioning food plants, etc.; sketch map, photos.
- [Plath, and Sohst, A. G.]
Die Caroline-Inseln und die Flint-Insel. Südlicher Stillter Ocean.
Ann. Hydrogr. 6: 32-34, 1878.
Brief descriptive notes, with, for Flint, some meteorological data. Brief mention of vegetation seems to indicate that Flint was not yet planted to coconuts. Sketch-maps facing p. 46. See also U. S. Hydrogr. Notice 21, 1878.
- Pocock, R. I.
List of the Arachnida and "Myriopoda" obtained in Funafuti by Professor W. J. Sollas and Mr. Stanley Gardiner, and in Rotuma by Mr. Stanley Gardiner.
Ann. Mag. Nat. Hist. VII, 1: 321-329, 1898.
Enumeration with some new species described. Atoll records include Funafuti and Christmas Islands.
- Pocock, R. I.
Arachnida; in, Gardiner, The fauna and geography of the Maldive and Laccadive archipelagoes 2: 797-805, 1904.
Systematic.
-
- Chilopoda and Diplopoda; in, Gardiner, The fauna and geography of the Maldive and Laccadive archipelagoes 2: 1041-1045, 1906.
Systematic.
- Poellnitz, K. von
New species of *Portulaca* from southeastern Polynesia.
Occ. Pap. Bishop Mus. 12 (9): 1-6, 1936.
Several species recorded from Tuamotus, Flint, and Christmas Islands.
- Poirier, J.
L'évolution récente des sociétés polynésiennes.
Jour. Soc. Océanistes 6: 67-86, 1950.
Includes some population figures for the Tuamotus and some information on health conditions, etc. Discussion of social, political and economic problems of French Oceania.
- Porter, H. P.
Bird colonies on Canton Island.
Elepaio 11 (1): 1, 1950.
Brief note.
-
- The brave young birds of Wake Island.
Elepaio 13: 47-48, 1953.
Reports that young birds survived 1952 typhoon.
- Poulton, E. B.
Mimicry in the butterflies of Fiji considered in relation to the Euploeine and Danaïne invasions of Polynesia and to the female forms of *Hypolimnas bolina* L. in the Pacific.
Trans. Ent. Soc. London 1923: 564-666, 1924.
On pp. 643-647, discusses *H. bolina* from Chagos, Ellice and Marshall Atolls.
- Poulton, E. B. and Riley, N. D.
The Rhopalocera of the "St. George" expedition, from French Oceania.
Trans. Ent. Soc. London 76: 453-468, 1928.
Includes a new subspecies from Napuka.
- Power, F. D.
Phosphate deposits of the Pacific.
Econ. Geol. 20: 266-281, 1925.

Mostly on raised coral islands, but some information on atolls included, especially on the distribution of guano and the origin of phosphates.

Prager, M.

Zur Meteorologie der Gilbert-Inseln mit einem Anhang über die Inseln und die Bevölkerung. Ann. Hydrogr. 31: 348-354, 388-395, 1903.

Notes on various meteorological data, with tables, collected in the Gilberts at various times during 1900-1902; temperature, winds, etc.; some general notes on the islands.

Prain, D.

A list of Laccadive plants.

Sci. Mem. Med. Off. Army India 5: 1-23, 1890.

List of plants with synonymy, specimens cited, notes on occurrence. Introduction has a short geographical description of the islands, notes on hurricane and human influence on flora, etc. Bibliographic footnotes; extensive phytogeographic discussion with much information on vegetation and ecology. Previous records of plants are interpreted and identified. Separate: NYBG.

The botany of the Laccadives.

Jour. Bombay Nat. Hist. Sec. 7: 268-295, 460-486, 1893; 8: 57-86, 1893; 488, 1894.

A detailed systematic list of plants, with extensive ecological notes, information on economic plants, with a good geographic introduction with bibliography.

Memoirs and memoranda.

1-419, Calcutta, 1894.

A collection of reprints; includes, pp. 301-389, Botany of the Laccadives, reprinted from Prain, 1893-1894, which see for annotation. LC: QK3. P7.

Preuss, P.

Die Kokospalme und ihre Kultur. 1-221, Berlin, 1911.

Monographic; includes p. 12, a photo of a coconut palm with six branches, on Matty Island.

Pridham, C.

The Mauritius and its dependencies. 1-410, London, 1846.

Monographic. The chapter on dependencies includes some descriptions, with notes on economic plants and animals, water supply, etc., of the coral islands, from Alphonse and Coetivi,

to Chagos and Cocos-Keeling, pp. 295-308.

Appendix I, extensive enumeration of Mauritius plants, includes p. 370, *Calpidia ovatifolia* from Agalega. Appendix L, pp. 399-403, includes a detailed account of Chagos. LC: DT469. M4 P8.

Pritchard, C. E.

Mineral resources of Australia. Summary report no. 29.

Phosphates (revised ed.).

1-36, Canberra, 1951.

Mainly an economic geological report, but mentions phosphate deposits on Pelsart, Wuvulu, Ana, and Mann atolls, and their exploitation in 1943-1945 on Pelsart; map; bibliography. GS: 402 (800) qAu 5mno. 20.

Privat-Deschanel, P.

Les gisements de guano et de phosphates de l'océan Pacifique.

Géologie Civil 57: 47-50, 1910.

Briefly mentions presence of phosphate on Motu-Iti, Clipperton, Huon and Chesterfield.

Prout, L. B.

The Geometridae of the "St. George" expedition from French Oceania.

Trans. Ent. Soc. London 77: 265-277, 1929.

Includes two records from Fakarava.

Pugh, W. E. ed.

Bibliography of organic reefs, bioherms and biostromes.

1-139, Tulsa, 1950 (prepared by Seismograph Service Corporation).

A geological and geophysical bibliography; useful though quite incomplete; interesting system of cross-indexing. LC: Z6033. R4 S4.

Pyrard, F.

Voyage de François Pyrard, de Laval, contenant sa navigation aux Indes Orientales, Maldives, Moluques, et au Brésil....

1-327, 1-218, 1-144, Paris, 1679 [fourth edition].

The first part includes account of Pyrard's sojourn in the Maldives, after the ship *Corbin* was wrecked, in July 1602. Pp. 71-91, description of the islands, their productions, their population, mentions of water supply, useful plants, animals, etc. The geographical description is a vivid account of atolls. P. 163, discusses "Cocos des Maldives" which are fruit of *coco-de-mer* cast up by the sea, and much valued. Map by P. Du Val, may be useful to identify islands from names given. The work was first published in 1611, as "Discours du voyage des François aux Indes Orientales...." LC: D6411. 5 P99.

Pyrard, F.

The voyage of François Pyrard of Laval, to the East Indies, the Maldives, the Moluccas and Brazil. Translated into English from the third French edition of 1619 and edited with notes, by Albert Gray ... assisted by H. C. P. Bell 1: 1-452, London, 1887 (Hakluyt Society no. 76); 2: 1-287, 1888 (no. 77); 289-572, 1890 (no. 80).

Volume one contains an introduction with valuable information on the various editions of the work, and Pyrard's account of the Maldives, see above entry. Part two of volume two includes Pyrard's "Treatise of animals, trees, and fruits," with information on turtles, crabs, birds, and mostly, economic plants, found in the Maldives; a chapter entirely devoted to coconut palm and its productions; and Pyrard's vocabulary of the Maldives, with some words for animals and plants. The Appendix includes quotations from early works on the Maldives, with some useful information. LC: G161. H2 nos. 76, 77, 80.

Qualtrough, E. F.

[Description of Caroline Island]; in, Holden, Report of the American Expedition.... Mem. Nat. Acad. Sci. 2: 24-26, 1884.

Geographic description with several excellent drawings.

Quinn, V.

Picture map geography of the Pacific Islands. 1-122, Philadelphia, N. Y., 1945.

Popular, often highly inaccurate summary of history and geography. Unimportant. LC: DU22. Q47.

Radlkofer, L.

Gesamtübersicht über die Sapindaceen Papuasien; in, Lauterbach, Beiträge zur Flora Papuasien. Bot. Jahrb. 56: 251-316, 1920.

Includes at least one record from the Marshalls, *Allophylus ternatus*, p. 263.

Rainbow, W. J.

The insect fauna of Funafuti. Australian Mus. Mem. 3: 89-102, 1897 a.

Account of insects collected and observed by Hedley. One chilopod also mentioned. See Hedley, 1896-1900.

The arachnid fauna.

Australian Mus. Mem. 3: 105-124, 1897 b.

Description of collection made by Hedley on Funafuti. See Hedley, 1896-1900.

Rainbow, W. J.

The Arthropoda; in, Notes of the zoology of Paanopa or Ocean Island and Nauru or Pleasant Island, Gilbert group.

Rec. Austr. Mus. 5: 1-15, 1903.

Arthropoda, pp. 5-7; previous records of various species include atolls (Ellice, Gilberts, Marshalls).

Ramsay, E. P.

Descriptions of some new birds from the Solomon Islands and New Britain.

Jour. Linn. Soc. Zool. 16: 128-131, 1882.

Includes *Calornis (Aplonis) feadenais*, sp. nov., from Fead (Nuguria), R. Brown coll.; *Monarcha inornata*, also from Fead.

Notes on the zoology of Lord Howe's Island.

Proc. Linn. Soc. N. S. W. 7: 86-99, 1883.

P. 89, discusses species of *Calornis* and *Aplonis* mentioning *Aplonis feadenais*, from Fead Islands (Nuguria). Paper pertains to Lord Howe off the Australian coast.

Ramsay, W. G.

Meteorological conditions on Baker and Howland Islands.

Monthly Weather Rev. 53: 23-24, 1925.

Brief notes on temperature, humidity, wind velocity, etc., as observed during 1924 Whippoorwill expedition.

Ranson, G.

L'archipel des Tuamotu.

Geographia 25: 34-38, 1953 a.

Popular notes on the geological history of the Tuamotus, which are described as ancient raised atolls, now fossil, not true atolls (sic). Map.

Observations sur les îles basses de l'archipel des Tuamotu (Océanie française).

C. R. Acad. Sci. Paris 286: 2529-2531, 1953 b.

Marine geology, considers that the Tuamotus are ancient raised atolls.

Rathbun, M. J.

Crabs from the Maldive Islands.

Bull. Mus. Comp. Zool. Harvard 39: 121-138, 1902.

Includes a few land or shore species.

The Brachyura and Macrura of the Hawaiian Islands.

- Bull. U. S. Fish Comm. 23: 827-930, 1906.
Includes some shore crabs from Laysan, e. g.,
Ocypode laevis.
- Rathbun, M. J.
The Brachyura.
Mem. Mus. Comp. Zool. Harvard 35: 21-74,
1907.
Reports of the "Albatross" Pacific expeditions of
1899-1900 and 1904-1905. Includes some shore
crabs from the Tuamotus, Marshalls, Gilberts
and Ellice.
- The grapsoid crabs of America.
Bull. U. S. Nat. Mus. 97: 1-461, 1918.
Systematic; on p. 361 *Gecarcinus planatus*,
land crab, is recorded from Clipperton Island.
- Ray, S. H.
The people of Greenwich Atoll, western Pacific
Ocean.
Man 17: 187-190, 1917.
Includes geographical notes, short lists of plants
and animals, uses of plant materials.
- Read, G. H.
The last cruise of the Saginaw.
1-128, Boston, N. Y., 1912.
Account of a visit to Midway Island and ship-
wreck (in 1870) and a long sojourn of the crew on
Kure; incidental data on geography and natural
history; maps and drawings. Note on fresh water,
p. 52. LC: G530. S2.
- Rebel, H.
Lepidopteren von den Samoainsein.
Denkschr. Akad. Wiss. Wien 85: 412-432, 1910.
Several species are mentioned from Marshall,
Gilbert and Ellice Islands.
- Neuer Beitrag zur Lepidopterenfauna der Samoa
Insein.
Mitt. Zool. Mus. Hamburg 32 (2): 121-158, 1915.
Includes some atoll records.
- Reed, W. W.
Climatological data for the tropical islands of the
Pacific ocean (Oceania).
Monthly Weather Rev. Suppl. 28: 1-22, 1927.
Gives tables and brief summaries of various
meteorological data for Pacific Islands, including
various atolls. Bibliography.
- Reeve, E.
A gazetteer of central Polynesia; in, St. Julian,
Official report on central Polynesia, 31-65, 1857.
Includes old synonyms of island names.
- Reeve, L. [A.]
Conchologia systematica.
1: 1-195, 1841; 2: 1-337, London, 1842.
Collection of colored plates of mollusks; vol. 2
includes land gastropods. Text does not discuss
localities. LC: QL404. R33, rare books.
- Descriptions of new species of shells figured in the
'Conchologia systematica.'
Proc. Zool. Soc. London 1842: 197-202, 1842.
Includes *Truncatella scalariformis* Reeve from
Anaa, p. 197.
- Conchologia Iconica.
20 vols., London, 1843-1878.
Includes some atoll land mollusks, e. g. in 6:
1850, *Partula amabilis* reported from Anaa (see
Pease, 1866). Smi: Mollusks Div.
- Reeves, C.
Baker Island - North Pacific.
Merc. Mar. Mag. 16: 9-11, 1869.
Mostly advice on navigation near the island,
includes mention of phosphate and the way it was
loaded on guano ships.
- Reeves, W. C.
Possible recent introductions of mosquito vectors of
human disease in the central Pacific.
Proc. 7th Pac. Sci. Cong. 7: 371-373, 1953.
Includes information on introduction of mosqui-
toes in Wake Island.
- Regan, C. T.
On the fishes from the Maldive Islands. II. Fresh-
water: in, Gardiner, The fauna and geography of
the Maldive and Laccadive archipelagoes 1: 279-
281, 1902.
Systematic.
- Regelsperger, G.
L'annexion des îles Gilbert et Ellice par l'Angle-
terre.
Océan. Franç. 13: 97-103, 1917.
Includes compiled information on anthropology
and geography.

Rehder, A.

The Bradley bibliography. A guide to the woody plants of the world published before the beginning of the twentieth century. Compiled at the Arnold Arboretum of Harvard University under the direction of Charles Sprague Sargent.

Pub. Arnold Arb. no. 3, vols. 1-5, 1911-1918.

Includes many references found in this bibliography. The arrangement by subjects (vol. 5 being an index by author and title) may be found useful. LC: Z5356. T8 R4.

Reichardt, H. W.

Diagnosen der neuen Arten von Laubmoosen welche die Novara-Expedition mitbrachte. Verhandl. zool.-bot. Ges. Wien 18: 193-198, 1868.

Includes description of *Hypnum* (*Thuidium*) *faulense*, from Sikayana.

Fungi, Hepaticae et Musci frondosi; in, Reise der Oesterreichischen Fregatte Novara Botanischer Theil I: 131-196, 1870.

Enumeration of plants collected during the Novara expedition; includes a few species from Sikayana, e. g., *Chiloscyphus argutus*, p. 166, *Thuidium faulense* sp. nov., pp. 186-187. LC: Q115 N9 b.

Reichenow, A.

Die Vögel der Bismarckinseln. Mitt. Zool. Sammlung Mus. Naturk. Berlin 1 (3): 1-106, 1899.

Enumeration, including records from Schachbrettinseln (Ninigo). Reprint: Sml. Bird Div.

Zwei neue Arten von den Tschakosinseln. Ornith. Monatsb. 8: 140-142, 1900.

Two species collected on Diego Garcia by the Valdivia expedition.

Eine auffalende Vogelzugstrasse vom nordwestlichen Nordamerika nach Polynesien.

Ornith. Monatsb. 9: 17-18, 1901.

Discussion of migration of North American birds observed in the Marshalls.

Uebersicht der auf der deutschen Tiefsee-Expedition gesammelten Vögel; in, Wiss. Ergebn. "Valdivia" 7 (5): 1-16 (343-358), 1904.

Includes several birds collected on Chagos,

Diego Garcia and the Maldives.

Reithmüller, E.

Nesting notes from Willis Island.

Emu 31: 142-146, 1931.

Includes mentions of grass used for nests.

Reuling, H. -T.

Der Sitz der Dolomitisierung. Versuch einer neuen Auswertung der Bohr-Ergebnisse von Funafuti. Abhandl. Senckenb. Naturforsch. Ges. 428: 1-44, 1934.

A discussion of dolomitization and the occurrence of dolomite in the Funafuti bore. Bibliography.

Reyne, A.

On the distribution of *Birgus latro* L. in the Dutch East Indies.

Arch. Neerl. Zool. 3 suppl.: 239-247, 1938.

Cites records from Duizend Eilanden and Mapia.

On the food habits of the coconut crab (*Birgus latro* L.), with notes on its distribution.

Arch. Neerl. Zool. 3: 283-320, 1939.

Valuable compilation of data from the literature on habits and distribution of coconut crab. Records its presence on various Indian and Pacific Ocean Atolls. Extensive bibliography.

Over de voedingsgewoonten van den klapperkeeft (*Birgus latro* L.) en zijn verspreidingsgebied.

Trop. Nat. 29: 141-145, 1940.

Summary of Reyne, 1938 and 1939, with two photos of crab.

Rhodes, F. [C.].

Pageant of the Pacific being the maritime history of Australasia.

2 vols., Sydney, [1937].

Includes much incidental historical information on Pacific atolls, and gazetteer of island names. LC: DU19. R45.

Ribourt, [P. F.]

Observations géologiques sur Tahiti et les îles basses de l'archipel des Paumotu.

Bull. Soc. Géogr. Paris 16: 18-40, 1878.

General notes, with a discussion of theories of the formation of atolls. P. 34, a word on water supply in some of the atolls.

Ricardo, G.

Species of *Tabanus* from Polynesia in the British

Museum and the late Mr. Verrall's collection.
Ann. Mag. Nat. Hist. VIII, 13: 476-479, 1914.
Includes *Tabanus sidneyensis* and *T. nigriventis*
from Sidney, in the Phoenix Islands.

Rice, F. M.

Notes on Ruk and the Mortlock Islands.

[Amer.] Mission. Herald 91: 311-314, 1895.

Contains very brief notes on economic plants
and their uses; geographic notes. Unimportant.

[Richards, G. E.]

Beschreibung der Inseln Bampton und Renard, und
der in ihrer Nähe liegenden Riffe. Korallen-Meer.
Ostküste von Australien.

Ann. Hydrogr. 7: 47-48, 1879.

Brief descriptive notes on islets in Chesterfield
group, excerpts from Hydrographic Notice,
London no. 31, 1878. See also U. S. Hydrogr.
Notice 66, 1878.

Richards, T. W.

Nesting of *Diomedea nigripes* and *D. immutabilis*
on Midway Islands.

Condor 11: 122-123, 1909.

Brief note, with information on nesting habits,
and egg measurements.

Richardson, F.

Notes on the birds of Palmyra.

Elepaio 14: 39-40, 1953.

Notes on birds observed during a visit of a few
hours, Sept. 1953. Recommendations for establish-
ment of bird reservations which would also serve
to protect coconut crabs.

Ridgway, R.

A manual of North American birds.

1-631, Philadelphia, 1887.

On p. 62, mentions *Puffinus nativitatis* from
Christmas Island; a few other birds from Pacific
Islands. LC: QL681. R53.

Descriptions of some new birds collected on the
islands of Aldabra and Assumption....

Proc. U. S. Nat. Mus. 16: 597-600, 1893.

Includes a new species from Glorioso and one
from the Amirantes.

On birds collected by Doctor W. L. Abbott in the
Seychelles, Amirantes, Gloriosa, Assumption,
Aldabra, and adjacent islands, with notes on
habits, etc. by the collector.

Proc. U. S. Nat. Mus. 18: 509-546, 1896.

Includes information on birds of Glorioso, Pro-
vidence, and the Amirantes.

[Riebow et al. ed.]

Die deutsche Kolonial Gesetzgebung; Sammlung
der auf die deutschen Schutzgebiete bezüglichen
Gesetze, Verordnungen, Erlasse und internationalen
Vereinbarungen, mit Anmerkungen und Sachregister.
Berlin, 1893-1909.

Editor varies with almost every issue; these collec-
tions of German orders, decrees, etc. for the Ger-
man colonies include many concerning Micronesia
and furnish some data on agriculture, pest control,
plant introductions, etc. LC: JV2053.A3.

Riegel, R.

Adalbert de Chamisso, sa vie et son oeuvre.
1-830, Paris, 1934.

Critical biography, including a long chapter on
Chamisso's voyage around the world, with incident-
al information on the Marshall Islands, mostly from
Chamisso's own works. LC: PT1834. Z5 R5.

Riesenberg, F.

The Pacific ocean.

1-322, N. Y., 1940.

Historical account, with mention of various atolls,
but with little useful information about them. Main-
ly compiled from accounts of old voyages, though
the author had extensive experience in the Pacific.
LC: DU19. R5, 1940 a.

Ripley, S. D. and Birkhead, H.

On the fruit pigeons of the *Ptilinopus purpuratus*
group.

Am. Mus. Novit. 1192: 1-14, 1942.

Includes *Pt. purpuratus coralensis*, from the Tuo-
motus.

Roberts, R.

Cocos Island airport.

Walkabout 19 (10): 35-41, 1953.

Includes some notes on life on Cocos-Keeling;
mentions that some of the population was moved to
British Borneo. Photographs.

Roberts, S. H.

Population problems of the Pacific.

1-411, London, 1927.

Includes some information on population changes
in various atoll groups. AGS: 71.

Robertson, G.

The discovery of Tahiti.

1-292, London, 1948 (Hakluyt Society II, 98).

Contains accounts of the discovery and incidental notes on the geography of several of the Tuamotus (Pinaki, Nukutavake, Pukarunga, Paraoa, Manuhangi, and Nengo-nengo). Author was master of Wallis' vessel, the Dolphin. LC: G161. H2, II, no. 98.

Robertson, R.

The Caroline Islands.

Trans. Asiat. Soc. Japan 5: 41-63, 1877.

Notes of voyage of British schooner "Rupak" to the Caroline Islands in 1875. Palau, Yap, Ulleai, Evalonk, Mortlocks, Nonguora, Greenwich Island visited. Some information on general geography; note on abundance of rats on Nonguora (Nukuoro).

Robinson, W.

Description of the Laccadive Islands.

Madras Jour. Lit. and Sci. 14 (2): 1-46, 1847.

Detailed description of the group, and of each principal island, with much information on their history, geography, soils, agriculture, water supply, coconut and coir production, economics; a few economic plants mentioned by native and botanical names.

Robson, R. W.

The Pacific Islands handbook.

1-371, N. Y., 1945 (North American edition).

General information, including much useful data on geography and incidental mentions of vegetation, weather, economic plants. Includes many atolls. Maps. LC: DU 1. P143, 1944.

Pacific Islands yearbook 1950.

1-478, Sydney, Suva, 1950 (6th ed.)

Important summary of historical and other information on all Pacific Islands, including atolls; maps. See also Robson, 1945. LC: DU 1. P15.

Rock, J. F.

The sandalwoods of Hawaii.

Hawaii Bd. Agr. For. Bot. Bull. 3: 1-43, 1916 a.

The systematic part includes, p. 39, *Santalum cuneatum* var. *laysanicum*, n. var., described from Laysan.

Palmyra Island, with a description of its flora. Col. Hawaii Bull. 4: 1-53, 1916 b.

History of the island, detailed description of the main islets, including vegetation, list of

flora, with some new species. Birds and other land animals are discussed and recorded, but with no systematic treatment. Excellent photos; chart. LC: QK473. P3 R6, 1916 a.

Rock, J. F.

The voyage of the Luca to Palmyra Island.

Atl. Mo. 144: 360-366, 1929.

Narrative of visit; excellent description with emphasis on natural history.

Roewer, C. F.

Einige Araneen von Prof. Dr. Sixten Bock's Pazifik-Expedition 1917-1918.

Göteborgs k. Vet. o. Vitterh. Samh. Handl. VI, 2B (11): 1-10, 1944.

Includes many species from various Gilbert and Marshall Islands, with some new genera and species.

Rogers, D. P.

Fungi of the Marshall Islands, central Pacific ocean.

Pac. Sci. 1: 92-107, 1947.

Enumerates and discusses fungi, principally collected on the University of Hawaii expedition, 1946.

Fungi [of atolls].

Atoll Res. Bull. 1: 15, 1951.

Brief statement of present state of knowledge of atoll fungi.

Suggestions for collecting fungi.

Atoll Res. Bull. 17: 57-60, 1953.

Many special suggestions for different groups of fungi.

Rogers, O. C.

Soils.

U. S. Commercial Company Economic Survey of Micronesia 10-4: 1-21, 1946.

Includes, pp. 15-16, brief description of soils of Eniwetok and Majuro.

[Roggenburg, and Rohrbar,]

Die Browse-Insel.

Ann. Hydrogr. 5: 589-591, 1877.

Brief description of this small island with mentions of soil (guano), vegetation, presence of birds and turtles, tides and winds, etc. Sketch-map at end of volume.

- Roosj, N. de.**
The reptiles of the Indo-Australian archipelago.
1: 1-384, Leyden, 1915.
Includes some atoll species, e. g. *Varanus indicus*, p. 148, from the Marshalls. Smi.: Div. Reptiles.
- Rooy, N. de [=Roosj]**
Reptilien (Eidechsen, Schildkröten und Krokodile).
Nova Guinea 5: 375-383, 1909.
Lygosoma cyanurum reported from Mapia, p. 379.
- Rosen, L., Reeves, W. C. and Aarons, T.**
Aedes aegypti on Wake Island.
Proc. Hawaiian Ent. Soc. 13: 255-256, 1948.
First report of mosquitoes from Wake, with ecological notes.
- Ross, J. C.**
Review of the theory of coral formation set forth by Ch. Darwin....
Nat. Tijdschr. 8: 1-43, 1855.
Long-winded harangue purporting to refute Darwin's ideas on the origin of atolls. Of interest only for the statement, in a footnote on p. 29, that "Edam has a lagoon in its centre, now nearly filled up by the remains of the leaves of the surrounding trees blown into it."
- Rossel, E. P. E. de**
Voyage de Dentrecasteaux....
1: 1-704, 2: 1-692, Paris, 1808.
Rossel edited Dentrecasteaux' Journal, and completed the account of the voyage and the scientific observations. Vol. 1 includes pp. 145-146, mentions of atolls northwest of Bismarck Archipelago: Ninigo, Matty, etc. LC: G420. L28 E4.
- Rosset, C. W.**
[Remarks on the Maldivé Islands].
Proc. Zool. Sec. London 1886: 295-296, 1886.
Brief notes read while showing photos of the islands; mentions domestic animals, and pests; cites some animals collected.
- Rost, M.**
Die venezolanischen Inseln Los Aves, Los Roques, Los Orchilas....
Zeitschr. d. geol. Ges. 90: 577-596, 1938.
Short geographical and geological description of Aves, with general remarks on vegetation.
- Roth, E.**
Prain, David: A list of Laccadive plants.
Bot. Jahrb. 12 (Littber.): 43-44, 1890.
A summary of Prain, 1890.
- Roth, G.**
Uebersicht über die Gattung *Calymperes*.
Hedwigia 51: 122-134, 1911.
Short synopsis of genus, mentioning *C. omanicum* Besch., from the Laccadive Islands, p. 128, and *C. chamissois*, "von den Koralleninseln der Südpaz.", p. 130.
- Rothschild, W.**
Description of seven new species of birds from the Sandwich Islands.
Ann. Mag. Nat. Hist. VI, 10: 108-112, 1893.
Includes three from Laysan.
- [*Anas laysanensis* sp. n.].
Bull. British Ornith. Club 4 in: Ibis VI, 5: 250, 1893 a.
Description of a new species from Laysan.
- The avifauna of Laysan and the neighbouring islands....
1-320, London, 1893b-1900, with separate vol. of plates.
Report on collections and observations of Henry Palmer, 1890-1893, in the Hawaiian atolls except Kure, but also largely in the high islands; diary of Palmer with general observations, geography, vegetation; many plates show vegetation; extensive bibliography, annotated, and historical survey.
LC: QL694. H3 R6, folio.
- [*Diomedea immutabilis*, sp. n.].
Ibis VI, 5: 448, 1893 c.
Original description of Laysan albatross.
- *Hypotaenidia wakensis* n. sp.
Bull. British Ornith. Club 13 (99): 78, June 1903.
Original description of the Wake rail, collected in 1892.
- Descriptions of new species of Arctiidae in the Tring Museum.
Novit. Zool. 17: 172-188, 1910.
Includes, p. 182, *Utetheisa pulchelloides marshallorum*, subsp. nov., from the Marshalls.

Rothschild, W.

Bird-life on oceanic islands and insular variation.
Trans. Herts. Nat. Hist. Soc. 15: 1-14, 1913.

Includes notes on bird population of various Pacific Atolls.

 On the genus *Fregata*.

Novit. Zool. 22: 145-146, 1915.

Mentions *Fregata minor palmerstoni*, from Laysan and Fanning.

Rothschild, W. and Jordan, K.

A revision of the lepidopterous family Sphingidae.
Novit. Zool. suppl. to 9: i-cxxxv, 1-813, 815-972, 1903.

Systematic revision, with catalogue, index and plates; includes atoll records; on p. 650, cites *Macroglossum hirundo cinerascens* from "Caroline Islands" and "Palisa, Caroline Is." Actually specimens are from Caroline Island, central Pacific. LC: QL651. S7 R6.

Rougier, E.

Ile Christmas, South Seas (Océanie).
 1-158, Brioude, 1914.

Geographic monograph and collection of reports containing much original geographic information, treating topography, water supply, soil, vegetation, flora, fauna, economic plants, etc. Many photographs. Bib.: DU950. C4 R85.

 Ile de Christmas.

Bull. Soc. Et. Océan. 1(1): 25-30, 1917.

Miscellaneous notes mentioning good water supply and a few plants, abundance of sea-birds and presence of one land-bird, *Tartare arundell*.

 Ile de Christmas.

Océan. Franç. 14: 23-25, 1918.

Reproduced from Rougier, 1917.

 L'eau potable dans les atolls.

Bull. Soc. Et. Océan. 1(6): 29-32, 1922.

Brief notes on fresh water on Fanning and Washington Islands. Account of change of vegetation on Christmas (almost none at time of Cook's discovery, 1777) and change of water supply (briny according to reports up to 1902, now fresh water is abundant, wells 3-4 m. deep). A word on climate.

Rougier, E.

Traveling around Christmas Island.
Mid-Pac. Mag. 29: 865-870, 1925.

Popular informal account, with rather little information; photos; mention of birds and mice.

Rowe, G.

[Note on bird protection on Midway].

Elepaio 6: 42, 1945.

Excerpt from letter, noting present status.

 [Note on bird protection activities on Midway].

Elepaio 7: 25, 1946.

Letter from commander of Naval base on observations in Hawaiian atolls.

Royal Society of London.

The atoll of Funafuti. Borings into a coral reef and the results.

1-428, London, 1904.

General account of the boring expedition, various chapters by different authors, see Sollas, Russell, David, Judd. The maps (in separate folder) are mostly geological, but with some information on soils and incidental indications on vegetation. Smi.: 593. 6 L847.

Roydhouse, G. S.

Kon Tiki raft voyage.

Jour. Polyn. Soc. 56: 278-282, 1947.

Contains a short description of geography and vegetation of Angatau, and notes on Raroia, Tuamotus.

Rozier,

Cyclone de Janvier 1903 aux Iles Tuamotu.

Ann. Hydrogr. [France] II, 25: 22-26, 1903.

Report on the cyclone, including observations of various persons in some of the atolls, mentioning effects of the cyclone; see also Gibondot, 1903.

Russell, H. C.

Report on meteorological observations made at Funafuti; in, Royal Society of London, The atoll of Funafuti, 29-32, 1904.

Includes notes on climate and tables of observations made in June and July 1896.

Russell, M.

Collecting geological data.

Atoll Res. Bull. 17: 16-18, 1953.

Practical suggestions on how a non-geologist can make useful geological observations on atolls.

- Rutten, L. M. R.
New data on the smaller islands north of Venezuela.
Proc. Sect. Sci. Akad. Wetensch. Amst. 43: 820-827, 1940.
A very little data on organic composition of limestone on Los Aves.
- S., T.
Cay Arenas, Gulf of Mexico.
Naut. Mag. 7: 723-724, 1838 a.
Brief account mentioning topography, weather, birds and seals, nature of substratum.
- Description of Alacran, and Cay Arenas, in the Gulf of Mexico.
Naut. Mag. 7: 804-805, 1838 b.
Brief description of Alacran, mentioning substratum, vegetation, birds, etc., no significant mention of Arenas.
- Sacardo, P. A.
Sylloge fungorum omnium hucusque cognitorum. 25 volumes, 1882-1931 (LC copy has imprints published by J. W. Edwards, Lithoprinted by Edwards Brothers, Inc., Ann Arbor, Michigan, 1944).
Includes atoll records, e. g. two species from the Marshalls in 2: 182, Patavii, 1883 (Chamisso coll.). LC: QK603. 63.
- Sachet, M. -H.
Climate and meteorology of the Gilbert Islands; in, Fosberg and Sachet, Handbook for atoll research, 8-16, 1951.
Summary compiled from various sources, prepared for the 1951 Onotoa expedition. Bibliography.
- Scorpions on coral atolls.
Atoll Res. Bull. 26: 1-7, 1953.
Compilation of available information. Bibliography.
- St. John, H.
Additions to the flora of the Midway Islands.
Occ. Pap. Bishop Mus. 11 (14): 1-4, 1935.
Seventeen species recorded, mostly weeds.
- Itinerary of Hugh Cuming in Polynesia.
Occ. Pap. Bishop Mus. 16: 81-90, 1940.
Notes that Cuming made plant collections on
- Anaa and Ducie atolls.
- St. John, H.
Distribution of *Ophioglossum* on islands of the Pacific Ocean.
Occ. Pap. Bishop Mus. 17: 177-182, 1943.
States that no species are known from low islands, rejects, on circumstantial evidence only, a record of *O. pendulum* from Mill Atoll in the Marshalls.
- Revision of *Cardamine* and related *Cruciferae* in Hawaii, and *Nasturtium* in Polynesia....
Occ. Pap. Bishop Mus. 18: 77-93, 1945.
Records *Nasturtium sarmentosum*, p. 89, from Takarua, Tokelau, and Funafuti.
- Report on the flora of Pingelap Atoll, Caroline Islands.... Pacific Plant Studies 7.
Pac. Sci. 2: 96-113, 1948.
Catalogue of plants collected by St. John in Dec. 1945, with notes, and brief mentions of vegetation; chapter on ethnobotany, table of native names of plants with comparison with four other Caroline languages; map; photos.
- Plant records from Aur Atoll and Majuro Atoll, Marshall Islands, Micronesia....
Pac. Sci. 5: 279-286, 1951 a.
Many species of vascular plants reported, with Marshallese names given for most of them; distribution map for *Canavalia sericea*.
- The distribution of *Pisonia grandis* (Nyctaginaceae).
Webbia 8: 225-228, 1951 b.
A summary of the ecology and distribution of this widespread atoll plant in the Pacific; map.
- A new variety of *Pandanus* and a new species of *Fimbristylis* from the central Pacific Islands....
Pac. Sci. 6: 145-150, 1952.
One new combination in *Pandanus* from Eniwetok and *Fimbristylis atollensis* from the Marshalls, Line Islands, Rakahanga, and the Carolines; map.
- St. John, H. and Fosberg, F. R.
Vegetation of Flint Island, central Pacific.
Bishop Mus. Spec. Pub. 30: 21, 1937 a.
Abstract, with a few remarks on change in vegetation and statistics on flora but no list. See St. John and Fosberg, 1937 b.

- St. John, H. and Fosberg, F. R.
Vegetation of Flint Island, central Pacific.
Occ. Pap. Bishop Mus. 12 (24): 1-4, 1937 b.
Brief note describing vegetation (mostly reduced to coconut plantation), with list of plants.
- St. John, H., and Mason, L. E.
Vernacular names of the plants of Bikini, Marshall Islands. Pacific plant studies 12.
Pac. Sci. 7: 165-168, 1953.
An attempt to determine native names of plants found on Bikini, but based on specimens collected on Kili. Includes information on uses of plants.
- St. Julian, C.
Official report on central Polynesia.
1-75, Sydney, 1857 (published by Commission to the Independent States and Tribes of Polynesia, Hawaiian Islands).
Mostly political, includes a gazetteer with much synonymy of island names by E. Reeve, which see. LC: DU510. H27.
- Saix, O. A.
Iles Paracels.
Géogr. 60: 232-243, 1933.
Mostly an argument in favor of annexation by France. Includes historical information, brief mentions of aspect of islands and their resources. Recommends the creation of a meteorological station there.
- Salvadori, A. T.
Ornitologia della Papuasias e delle Molucche.
3 vols. and supplement, Torino, 1880-1889.
Includes atoll records, e. g. in vol. 1: 290, 1880, *Trichoglossus flavicans*, from Ninigo. Extensive bibliography in the supplement. Smi.: Bird Div.
- Catalogue of the Columbæ, or pigeons in the collection of the British Museum; in, Catalogue of the birds in the British Museum.
21: 1-676, London, 1893.
Includes scattered atoll reports. LC: QL673. B8.
- Salvin, O.
Critical notes on the Procellariidae.
Ibis V, 6: 351-360, 1888.
Includes, p. 357, *Oestrelata heraldica*, sp. nov. from Chesterfield; *Puffinus cuneatus*, p. 353, and *Oestrelata hypoleuca*, p. 359 are described from Krusenstern Islands (possibly Ailuk), collected by H. J. Snow. See Fisher, H. I., 1946, and Murphy, R. C., 1951 for discussion of locality.
- Sanborn, C. C.
The sheath-tailed bat from the Palau and Marshall Islands.
Fieldiana Zool. 31: 59-62, 1947.
Emballonura semicaudata palauensis, several specimens from Jaluit.
- Sanborn, C. C. and Nicholson, A. J.
Bats from New Caledonia, the Solomon Islands and New Hebrides.
Fieldiana Zool. 31: 313-336, 1950.
Pteropus howensis noted from Ontong Java, p. 329.
- Sandland, P. T.
Notes on the birds of Pelsart Island.
Emu 37: 144-149, 1937.
Brief note on island, with a word on aspect of ground and vegetation, and mention of a few plants. Observations on the habits of birds. Mentions presence of lizards. Photos.
- Sapper, K.
Einige Atolle in der Marshall-Gruppe.
Petermanns Mitt. 79: 289-291, 1933.
Discussion of total area and land area figures for Kwajalein, Jaluit and Eniwetok, and notes on population problems.
- Sarfert, E. und Damm, H.
Luangua und Nukumanu; in, G. Thilenius, Erg. Süds. Exp. II B 12, 1: 1-244, 1929; 2: 245-506, 1931.
Monographic, treating geography, flora, fauna, but emphasizing anthropology, with information on geology, climate, typhoons, water supply, vegetation, economic plants and animals, agriculture, etc., bibliography, photographs.
- Saunders, H.
On the birds obtained by Mr. G. C. Bourne on the island of Diego Garcia, Chagos group.
Proc. Zool. Soc. London 1886: 335-337, 1886.
Enumeration of 14 species.
- Saussure-Jourdan,
Les Paracels....
La Nat. 61 (2916): 385-387, 1933.
Includes brief description, unimportant. Map.
- Saville-Kent
See Kent, W. S.
- [Sawada, K. and Sasaki, S.]
[Plants of the Paracel archipelago].
Trans. Nat. Hist. Soc. Formosa [12]: [89-90], 1922.
Enumeration of species collected in 1922 in various

islands; introduction in Japanese.

Schauninsland, [H. H.]

Das Vogelleben auf der Insel Laysan.

Ornith. Monatsb. 7: 121-126, 144-150, 1899 a.

Notes on habits and ecology of birds of Laysan.

Excerpt from Schauninsland, 1899 b.

Drei Monate auf einer Korallen-Insel (Laysan).

4-104, Bremen, 1899 b.

Account of a trip to Laysan, with detailed description of the island, mentions of guano, brief note on plants, most of the book being devoted to bird life. The appendix contains a chapter on plants, their description giving a good idea of the vegetation, also a note on the climate and notes on the insect and spider faunas. The account of the birds emphasizes behavior and ecology. LC: DU950. L4 S3.

Scheltema de Heere, J.

Aanteekeningen over een Reis naar de Molukken en Nieuw-Guinea XV. Nieuw-Guinea. Blak.

Pom, Mapia.

Ned. Zeevaren 16: 115-117, 1917.

Includes brief mention of Mapia; geography, population, etc. Mostly historical.

Schenkling, S.

Coleoptera; Cleridae.

Trans. Linn. Soc. Zool. II, 18: 325-329, 1922.

Systematic account of collections of the Percy Sladea expedition, including *Necrobis rufipes*, from Providence and Amirantes.

[Scherzer, K.]

Reise der Oesterreichischen Fregatte "Novara" um die Erde in den Jahren 1857, 1858, 1859

Beschreibender Theil.

3 vols., Wien, 1861 a.

Written by Scherzer, K., but not signed. In vol. II, description of Stewart Island (Sikaiana), pp. 434-449. See also Hochstetter, 1866. LC: Q115 N9.

Narrative of the circumnavigation of the globe by the Austrian frigate Novara

3 vols., London, 1861b-1863.

For original edition see Scherzer, 1861a. Vol. 2: 1-627, 1862, includes, pp. 601-623, account of visit to Sikaiana; description of atoll, notes on presence of pumice, and on vegetation, plants, native foods. LC: Q115 N8987; Q115 N92.

Schinz, H. and Guillaumin, A.

Siphonogamen.

Nova Caled. Bot. 1 (2): 113-176, 1920.

Includes a few records from atolls, e. g. *Epipremnum pinnatum*, from the Marshalls.

Schlechter, R.

Die Asclepiadaceen von Mikronesien.

Bot. Jahrb. 56: 565-569, 1921.

Includes *Asclepias curassavica* from Jaluit.

[Schleinitz, F. von]

Die Forschungsreise S. M. S. "Gazelle" in den Jahren 1874 bis 1876.

5 vols., Berlin, 1888-1890.

Vol. 1: Reisebericht, includes, pp. 192-197, a word on Commerson Island, and a chapter on Anchorite Island (Anachoreten-Inseln), including topography, a word on vegetation, anthropology and ethnology (mentioning uses of plants in material culture). Vol. 3: Zoologie und Geologie, includes, pp. 233-235, account of animal life on Anchorite Islands, mostly marine animals; one land bird; *Halcyon albicilla*. For vol. 4 see Müller, K., 1889, Kuhn, M., 1889 and Engler, A., 1889. GS: 502 q G32.

Schlosser, R. J.

Observations on the incidence of *Wucheria bancrofti* larvae in the native population of the Solomon Islands area.

Am. Jour. Trop. Med. 25: 493-495, 1945.

Includes some data from the Gilbert Islands.

Schmeltz, J. D. E.

Elliott, D. G.: On the fruit-pigeons of the genus *Ptilopus*.

Verhand. Ver. naturw. Unterhaltung Hamburg 4: 177-180, 1879.

Discussion of Elliot, 1878, with enumeration of species represented in Godeffroy Museum. No atoll specimen mentioned.

Schmid, G.

Chamisso als Naturforscher.

1-175, Leipzig, 1942.

Complete bibliographic account, with detailed list of all editions of all works of and referring to Chamisso on natural history, with bibliographical introduction. LC: Z8159. S3.

Schmidt, A.

Atlas der Diatomaceenkunde.

Ser. I-VII, Leipzig, [1874]-1940.

Atlas of plates, illustrating diatoms from all parts

of the world, including species from various atolls. Issued in Hefte of 4 plates, 12 Hefte to a series. First one undated, second dated Jan. 1875. For details on dates see Jour. Bot. 44: 384-6, 1906. Acad. Sci. Phila.

Schmidt, E.

Check-list of Odonata of Oceania.

Ann. Ent. Soc. America 31: 322-344, 1938.

Includes records from Ellice, Gilberts, Marshalls, Tuamotus and Christmas Island; table of distribution, bibliography.

Schmidt, K. P.

A list of the lizards collected by R. H. Beck in the southern Pacific

Copeia 101: 90-92, 1921.

Three species recorded from Christmas Island from Whitney expedition collections (comparison made with earlier lists, but these of Christmas Island Indian Ocean).

Second report on lizards secured by the Whitney South Sea expedition.

Copeia 104: 23-24, 1922.

Several species recorded from Christmas Island and various atolls of the Tuamotus (notes confusion of two Christmas Islands in Schmidt, 1921).

Schmitt, W. L.

The presidential cruise of 1938.

Smiths. Explor. 1938: 3-14, 1939 a.

Account of the cruise, including some descriptive notes on Clipperton and a photo of the atoll.

Decapod and other Crustacea collected on the presidential cruise of 1938 (with introduction and station data).

Smiths. Misc. Coll. 98 (6): 1-29, 1939 b.

Includes decapods collected in Clipperton, one of them *Gecarcinus planatus*, a land animal; mentions, p. 24, "drove of wild pigs loose on the island"; two photos of Clipperton.

Schnee, H.

Bilder aus der Südsee.

1-394, Berlin, 1904.

Narrative based on author's experience in Bismarck Archipelago. Includes bits of historical information on the atolls, and a photo p. 32, of a Matty house. Mentions his brother Paul Schnee, from the Marshall Islands. LC: DU550. S35.

Schnee, H., ed.

Deutsches Kolonial-Lexicon.

1: 1-776; 2: 1-698; 3: 1-778, Leipzig, 1920.

Much interesting data, including some on atolls, by various specialists under such headings as names of groups or islands, plants, animals, etc. Maps, and some good photos. LC: JV 2007. D4.

Schnee, [P.]

Einige Bemerkungen über den Bau des Jaluit-Atolles. Zeitschr. f. Naturw. 74: 58-64, 1901 a.

Description of various aspects of substratum in Jaluit, with mention of small amount of humus.

Biologische Notizen über *Lygosoma cyanurum* Less. sowie *Lepidodactylus lugubris* D. & B.

Zeitschr. f. Naturw. 74: 273-283, 1901 b.

Notes on the habits of these two species, observed on Jaluit.

Eine auffallende Vogelzugstrasse vom nordwestlichen Nordamerika nach Polynesien.

Ornith. Monastb. 9: 131-132, 1901 c.

Observations of migrating birds and their ecology in various Marshall Is. See also Reichenow, 1901.

Einiges über die Seevögel des Stillen Ozeans.

Zool. Gart. 42: 307-310, 1901 d.

Notes on birds observed on a voyage from Australia to Jaluit; includes mentions of species seen at sea near the Gilberts and Marshalls.

Zur Naturgeschichte Jaluits.

Zool. Gart. 42: 219-220, 1901 e.

Observations on habits of lizard, *Lygosoma cyanurum*, on Jaluit.

Die Kriechtiere der Marshallinseln.

Zool. Gart. 43: 354-362, 1902 a.

Enumeration of species of reptiles collected, with notes on habitat, and native names.

Beiträge zur Fauna der Marshall-Inseln II.

Zool. Gart. 43: 174, (III) 138, 1902 b; (IV) 44: 93-100, 1903; (V) 45: 23-28, (VI), 111-116, 1904; (VII) 46: 237-242, 1905.

For I, see Schnee, 1901 e which bears a different title but is referred to as part I later in the series. Collections of short paragraphs on the natural history

of various animals observed in the Marshalls, mostly in Jaluit. Includes information on their habitat, activities, etc. One of the few valuable sources for such information.

Schnee, [P.]

Ein Seitenstück zum Stinktier unter den Insekten.
Zool. Gart. 43; 266, 1902 c.

Discusses an unknown ill-smelling insect observed in Jaluit.

Die Noddy-Insel im Jaluitatoll.
Zool. Gart. 43; 301-302, 1902 d.

Brief description of a small islet of Jaluit, where noddies build their nests of twigs. Some trees mentioned, absence of coconuts and breadfruit noted.

Einige Bemerkungen über die Tierwelt der Litoralregion von Jaluit.

Zeitschr. f. Naturw. 75; 373-384, 1903 a.

Includes notes on structure of ocean beach of Jaluit, describing vegetation at top of beach, and fauna found in it; crabs, lizard, mollusks.

Zoologisches von einer Reise Jaluit-Sydney.
Zeitschr. f. Naturw. 75; 224-233, 1903 b.

Mostly notes on sea-birds observed on a voyage from Jaluit to Australia, but discusses the occurrence of sea-snakes in the Marshall Islands, reporting capture of a specimen of *Hydrua platurus*.

Zoologisches von einer Segelschiffreise im Stillen Ozeane.

Zeitschr. f. Naturw. 76; 129-136, 1903 c.

Includes information on birds observed near the Ellice, Gilbert and Marshall Islands during a sea voyage to Jaluit.

Einiges zur Tierwelt in der Jaluit-Lagune.
Zool. Gart. 44; 14-15, 1903 d.

Includes notes on noddies and fairy terns.

Land und Leute der Marshallinseln.
Zeitschr. Kolon. Politik 6; 245-265, 1904 a.

Popular, general notes, with incidental mentions of vegetation, plants, material culture involving plants, foods. Mostly about Jaluit. Initial given as C., but paper by Paul Schnee.

Schnee, [P.]

Zur Geologie des Jaluit-Atolles.

Globus 85; 329-333, 352-356, 363-367, 1904 b.

Detailed description and discussion of the structure of the atoll, with a map and some poor photos.

Die Landfauna der Marshall-Inseln.

Zool. Jahrb. Syst. 20; 387-412, 1904 c.

Enumeration of species in various systematic groups, as determined by author and various specialists; pp. 409-412 concern Nauru.

Die Kokoskrabbe in der Freiheit und im Terrarium.
Bl. Aqu. Terr. -Kunde 16; 185-188, 193-196, 1905.

Description of *Birgus*' habits in nature and captivity as observed in the Marshalls. Photographs.

Die europäischen Infektionskrankheiten auf den Marshallinseln.

Arch. Schiffs-Tropen-Hyg. 11; 583-587, 1907.

Notes on incidence of various diseases of European origin in the Marshalls; mentions influenza epidemic in the Gilberts.

Durch Pflanzen verursachte Hautverletzungen und Entzündungen.

Arch. Schiffs-Tropen-Hyg. 14; 138-146, 1910.

Discussion of many plants reported to irritate the skin, mainly from the Marianas and high islands of the Carolines, but a few mentions of Jaluit.

Sechs an mir beobachtete Skolopendrenbisse und einiges über Skorpionenstiche.

Arch. Schiffs-Tropen-Hyg. 15; 156-160, 1911.

Mentions that author observed *Trigoninulus* sp. and *Isometrus maculatus* on Jaluit.

Schneider, E.

Tagebuchblätter von Jaluit.

D. Kolon. Zeit. 4; 30-34, 46-48, 58-61, 75-77, 1881.

Miscellaneous notes, including some information on plants and animals in the Marshalls (much of it cited from earlier works, e. g. Chamisso's), and some mentions of uses of plants.

Schött, H.

Zwei neue Collembola aus dem Indischen Archipel.
Ent. Tidokr. 14; 171-176, 1893.

Includes *Oudemansia coerulesa*, from Noord-

wachter I., *Duizend Eilanden*, collected by Aurivillius.

[Schoof,]

Die Enderbury-Insel. Phönix-Gruppe. Südlicher Stiller Ocean.

Ann. Hydrogr. 6: 29-31, 1878.

Information on geography, guano and phosphate, vegetation, etc. Sketch map facing p. 46.

Schott, G.

Die jährlichen Niederschlagsmengen auf dem Indischen und Stillen Ocean.

Ann. Hydrogr. 61: 1-12, 1933 a.

General discussion of rainfall in Indian and Pacific oceans, with rainfall figures for various atolls. Charts.

Die Bewölkung über dem Indischen und Stillen Ocean.

Ann. Hydrogr. 61: 280-290, 1933 b.

Discussion of cloudiness in Indian and Pacific oceans, with some data on atolls, Chart.

Geographie des Indischen und Stillen Ozeans.
1-413, Hamburg, 1935.

Includes much general information of use in the study of atolls; some notes on various islands. Maps, bibliography. LC: GC721. S35.

Klimakunde der Südsee-Inseln; in, Köppen and Geiger, *Handbuch der Klimatologie* 4 (T): 1-114, 1938.

Contains comprehensive summaries of available climatic data for almost all Pacific atolls or atoll groups; some information on water supply; maps, bibliography. NYPL: PRB.

Schützmeister, P.

Der Mensch auf den Atollen der Südsee in seiner Abhängigkeit von der Landschaft hinsichtlich Siedelung, Wirtschaft und Verkehr.

1-103, Hamburg, 1932.

Doctoral dissertation. Compiled general discussion of atoll environment and native life. Bibliography. AGS: 71.

Schultz, L. P.

The Navy surveying expedition to the Phoenix and Samoan Islands, 1939.

Smiths. Explor. 1939: 45-50, 1940.

Includes brief notes on Canton, Enderbury,

Swains, Hull and Rose Atoll with mentions of birds, and some photos.

Schultz, L. P.

Fishes of the Phoenix and Samoan Islands collected in 1939 during the expedition of the U. S. S. "Bushnell."

Bull. U. S. Nat. Mus. 180: 1-316, 1943.

The first section "Itinerary" includes descriptive notes on Canton, McKean, Swains, Enderbury, Rose Atoll, Hull. The systematic part includes description of a fish from the fresh-water lake on Swains Island, pp. 232-234.

The biology of Bikini Atoll, with special reference to the fishes.

Ann. Rept. Smithsonian Inst. 1947: 301-316, 1948.

Mostly marine biology, but with some mentions of plants and land animals p. 301, and photos of the atoll.

Schultz, L. P. et al.

Fishes of the Marshall and Marianas Islands. Vol. 1.
Bull. U. S. Nat. Mus. 202: 1-660, 1953.

The introduction includes some general information on the survey and resurveys of Bikini and other northern Marshall atolls, 1946-1949.

Schumann, K.

Die Flora des deutschen ost-asiatischen Schutzgebietes.
Bot. Jahrb. 9: 189-223, 1888.

Systematic. Includes Finsch's collection from Gilberts, Marshalls, etc., and Jensen's collection from Gilbert Islands.

Schumann, K. and Lauterbach, K.

Die Flora der deutschen Schutzgebiete in der Südsee.
1-613, T. I-XXII, Leipzig, 1901.

Enumeration, including species from atolls, especially Marshalls. Smi.: 460.2 Sch. 85.

Nachträge zur Flora der deutschen Schutzgebiete in der Südsee.

1-446, T. I-XIV, Leipzig, 1905.

Continuation of preceding entry. Smi.: 460.2 Sch. 85.

Schwabe, et al.

Bericht über die Gesundheitsverhältnisse . . .

Arb. Gesundheit. 13: 73-76, 1897 to 21: 621-622, 1964.

Yearly reports on state of health in the Marshalls. Author and title vary. Report for 1898-1899 (17: 553-

557, 1900) includes notes on meteorology.

Schwartz, C. W. and Schwartz, E. R.
Notes on the Hawaiian duck.

Wilson Bull. 65: 18-25, 1953.

Mentions that in 1950 only 30 Laysan teals were living.

[Sclater, P. L.]

[*Coriphilus kuhli*].

Proc. Zool. Soc. London 1878: 420-421, 1878.

Specimen of rare parrot collected on Washington Island by T. H. Streets.

Sclater, W. L.

William Dampier as an ornithologist.

Ibis XIV, 4: 657-663, 1940.

Brief biographical note and comments on observations on birds. Includes discussion of Dampier's notes on Isle of Aves (near Venezuela).

Scott, H.

Coleoptera, Lamellicornia and Adepaga.

Trans. Linn. Soc. Zool. II, 15: 215-262, 1912.

Systematic account, mainly based on collections of the Percy Sladen expeditions, reporting various species from Bird and Dennis, Chagos, Amirantes and Farquhar group.

Coleoptera, Hydrophilidae, Histeridae.

Trans. Linn. Soc. Zool. II, 16: 193-235, 1913.

Systematic account of collections of Percy Sladen expedition including two histerids from low islands -- *Saprinus disjunctus* from Cargados Carajos, and *S. apricarius* from Providence and Bird I. (Seychelles), taken in dead birds and fish.

Mallophaga, Aphaniptera, and Diptera Pupipara.

Trans. Linn. Soc. Zool. II, 17: 161-167, 1914.

One species of Hippoboscidae, *Pseudolferia spirifera*, recorded from Cargados Carajos.

Corylophidae [Coleoptera] from the Seychelles and Rangoon.

Ann. Mag. Nat. Hist. VII, 19: 1-33, 1917.

Includes some new species from Amirantes Islands.

Coleoptera of the Seychelles and adjacent islands; Carabidae (supplement), Cryptophagidae (supplement), Dermestidae, Lymexylonidae, Rhipiceri-

dae, Sphindidae, Throscidae, Brentidae.

Ann. Mag. Nat. Hist. IX, 18: 50-76, 1926.

Systematic account of collections of Percy Sladen expeditions with various species from low islands of western Indian Ocean.

Scott, H.

General conclusions regarding the insect fauna of the Seychelles and adjacent islands.

Trans. Linn. Soc. Zool. II, 19: 307-391, 1933.

Zoogeographic and ecological summary, based chiefly on the author's field experience and on the systematic reports of the Percy Sladen expeditions, mainly on the Seychelles, but also including the low islands in that part of the Indian Ocean. Extensive historical and bibliographic section, maps of western Indian Ocean and Seychelles.

Scott, J.

Christmas Island, and, Unknown islands and reefs named by Capt. Scott., Samarang Islets.

Naut. Mag. 1841: 589-590, 1841.

The first note is a brief description of Christmas mentioning groves of coconut palms planted by Capt. Cook, and absence of turtles which were abundant at time of discovery. Second paper describes Samarang Islets (Palmyra).

Scott, P.

Key to the wildfowl of the world.

Ann. Rept. Severn Wildf. Trust 2 (1948-1949): 91- [23 plates and text, unpagged], [1949?]

Includes at least two tall birds, Laysan teal and Comes' gadwall (from Fanning and Washington Islands).

Seelye, C. J. ed.

Climatological notes. South Pacific region.

Nos. 1-19, Wellington, 1943-44 (published by R. New Zealand Air Force, Directorate of Meteorological Services, as N. Z. M. O. Series C.)

Separately paged notes on climate of various south Pacific islands, including several atolls: Penrhyn, Manihiki, Danger, Northern and Southern (Malden) Line Islands, Gilberts, Ellice, Tokelau groups. Small maps of atolls. LC: QC866. N46.

Seeley, C. J.

Rainfall and its variability over the central and southwestern Pacific.

N. Z. Jour. Sci. Techn. 32 B (2): 11-24, 1951.

Includes information on rainfall in various Pacific atolls, with maps.

Seelye, C. J.

The variability of rainfall over the central Pacific.
Proc. 7th Pac. Sci. Cong. 3: 91-92, 1952.
Abstract.

Seeman, B.

Flora Vitfensis: A description of the plants of the
Viti or Fiji Islands with an account of their history,
uses and properties.
1-453, London, 1865-1873.

The first comprehensive account of a Pacific
flora, basic to all Pacific botany. Sml.: 460. 22
Se 1 F.

Seidel, H.

Die Erforschung der Purdy-Inseln.
Globus 59: 303-304, 1891.

Brief note, mentioning the presence of guano
and its exploitation.

Von den Marshall-Inseln.

D. Kolon. Zeit. 19: 193-197, 233-237, 1902.

General descriptive notes with brief mentions of
food plants and climate.

Tobi in Westmikronesien, eine deutsche Insel mit
acht Namen.

Globus 86: 13-15, 1904.

Historical account of various visits to Tobi, ex-
plaining how it received its various names. In-
cludes a paragraph describing the island, and an-
other on climate.

Die Bewohner der Tobi-Insel (Deutsch Westmikro-
nesien).

Globus 87: 113-117, 1905 a.

Only a few mentions of foods and material cul-
ture. Effects of hurricane in 1833.

Das Atoll Oleaf und seine Bewohner. Ein Beitrag
zur Kenntnis Deutsch-Mikronesiens.

D. Rundsch. 28: 97-106, 150-159, 1905b-1906.

General description with mentions of plants,
animals, foods; most of the information is com-
piled. Map facing p. 144.

Die Bevölkerung der Karolinen und Marianen.

Petermanns Mitt. 51: 36-39, 1905 c.

Includes some population figures for atolls of the
Carolines.

Seitz, A. ed.

The Macrolepidoptera of the world. LX The Indo-
Australian Rhopalocera.
1-1197, Stuttgart, 1927.

Monographic summary, largely by H. Fruhstorfer
(other authors, K. Jordan, A. Seitz); includes
various atoll records such as *Euploea belcitra distinc-*
ta, p. 235 and *E. eleutho eleutho*, p. 241, both
from Ellice Islands; *Hypolimnas bolina*, several
subspecies from various Pacific atolls, one of them
new; *elliciana* from Ellice Islands, pp. 552-553.
LC: QL546. S 48.

Sekiguchi, T.

The rainfall distribution in the Pacific region.
Proc. 7th Pac. Sci. Cong. 3: 101-102, 1952.

Abstract, presents a rainfall map for the Pacific.

Sellegger, H.

De Duizend Eilanden.

Tijdschr. Binnenl. Bestuur 30: 414-430, 1906.

General economic and administrative report. In-
cludes information on population and cultivated
plants.

Semper, C.

See Semper, K.

Semper, G.

Beitrag zur Lepidopterenfauna des Karolinen-
Archipels.

Iris 18: 245-267, 1905.

Mentions *Hypolimnas bolina* from Jaluit, p. 252.

Semper, [K.]

Reisebericht.

Zeitschr. Wiss. Zool. 13: 558-570, 1863.

Notes on author's zoological collecting in Palau
in 1861. Includes, p. 563, a brief description of
Kreielangel Atoll.

Landmollusken; in: Semper, Reisen im Archipel
der Philippinen II, 3: 1-327, Wiesbaden, 1870.

Includes *Microcystis palaensis* from Kreielangel.
LC: QL323. 847.

Die Palau-Inseln im Stillen Ocean.

1-372, Leipzig, 1873.

Account of author's stay in Palau, includes in-
formation on his visit to Kreielangel Atoll, with notes
on aspect of island, vegetation, economic plants,
animals, water supply, etc. LC: DU780. 847.

Semper, K.

Animal life as affected by the natural conditions of existence.

1-472, N. Y., 1881.

Includes a chapter describing the reefs of the Palau Islands, and discussing their formation. Pp. 237-242, description of Kreiangle Atoll, with map. P. 251, note on Aruangel, which "seems to be a true atoll." LC: QL751. S48.

Semper, O.

Notice préliminaire sur la famille des Diplomatinae.

Jour. Conch. 13: 289-294, 1865.

Includes *Palaina moussoni* from Kreiangle.

Sendler, A.

Die Decapoden und Stomatopoden der Hanseatischen Südsee-Expedition.

Abhand. Senckenb. Naturforsch. Ges. 38: 21-47, 1923.

Includes some land and shore species from the Tuamotus and Steward I. (Sikayana).

Senfft, A.

Wörterverzeichnis der Sprach der Marshall-Insulaner.

1-183, Berlin, [1900] (reprinted from *Zeitschrift für afrikanische und oceanische Sprachen* 5: 79-96, 97-157, 1900).

German-Marshallese and Marshallese-German vocabulary with many words for plants and animals and their products, but not very useful because of lack of scientific names. LC: PL6255. Z5 S4.

Flaggenhissung auf der Insel Tobl und dem Helen-Riff (Westkarolinen).

D. Kolonialbl. 12: 559-560, 1901 a.

Includes brief note on Tobl "small island densely covered with coconut palms."

Ueber einen Besuch des Uluti-Atolls (West-Karolinen).

D. Kolonialbl. 12: 824-825, 1901 b.

Brief note, with a word on foods, and mention of sick coconut trees.

Bericht über den Besuch einiger Inselgruppen der West-Karolinen.

Mitt. deutsch. Schutzgeb. 17: 192-197, 1904 a.

Includes brief description of several atolls with mentions of food plants and vegetation.

[Senfft, A.]

Reise der Kaiserlichen Bezirksamtmanns Senfft in Jap nach den Westkarolinen.

D. Kolonialbl. 15: 12-14, 1904 b.

Includes list of useful plants from Lamutrik and a few from Oleai; mentions abundance of birds (Lamutrik), rats (Oleai) a few pigs and chickens.

Die Karolineninseln Oleai und Lamutrik.

Petermanns Mitt. 51: 53-57, 1905.

Includes geographical description of the atolls, notes on soils, plants, animals, climate, population, diseases, foods and material culture. Sketch map of Lamotrek, and drawings of houses (plate facing p. 56 of the section "Literatur-Bericht").

Bericht über seine Rundreise durch die Westkarolinen und Palau-Inseln.

D. Kolonialbl. 17: 281-284, 1906.

Notes on vegetation (mostly coconut plantations) and food plants of several Micronesian atolls.

Die Ngulu-oder Matelotasinseln.

Globus 94: 303-304, 1908.

Description of the atoll, with notes on plants, mostly useful ones, and land and sea animals.

Serstevens, A. T.

Tahiti et sa couronne.

3 vols., Paris, 1950-1951.

Account of travel and life in French Polynesia. Vol. 2 includes some information on the Tuamotus, especially Anaa, with scattered notes on foods, water supply, importance of coconuts, etc. Photographs, map of French Polynesia. Volume 3 is a photographic supplement, including several views of the Tuamotus. LC: DU870. S4.

Serventy, D. L.

A new sub-species of cormorant from Western Australia.

Emu 40: 87-88, 1940.

Describes bird from Houtman's Abrolhos, but does not specify from which island.

Indonesian fishing activity in Australian seas.

Austr. Geogr. 6 (1): 13-16, 1952 a.

Includes bits of information on the islands of the Sahul Shelf.

Serventy, D. L.

The bird islands of the Sahul Shelf.

Emu 52: 33-59, 1952 b.

Notes on birds and their habits on islands of the Sahul Shelf, including Adele, Seringapatam, Scott Reef, etc.; useful notes on aspect of these little known islands; mentions of a few plants.

Serventy, D. L. and Whittell, H. M.

A handbook of the birds of Western Australia. 1-365, Perth, 1948; second ed. 1-384, 1951.

Include a historical section with account of various collecting expeditions in Houtman's Abrolhos. Many birds recorded from Pelsart Island, with notes on their habits. Smi.: Bird Div.

Serventy, V. N.

Notes on nesting birds of the Abrolhos Islands.

Emu 42: 235-241, 1943.

Includes information on birds of Pelsart Island with photos of birds, and maps.

Noddies of the Abrolhos.

Walkabout 17 (8): 40-42, 1951.

Popular notes on birds of Pelsart Island, with photos.

Serventy, V. N. and White, S. R.

The roseate tern: notes on the nesting behaviour. Emu 50: 145-151, 1951.

Information on nesting colonies observed every year between 1940 and 1949, on Pelsart. Photos, maps.

Setchell, W. A.

American Samoa. Part III. Vegetation of Rose Atoll.

Carnegie Inst. Pub. 341: 225-261, 1924.

Description of atoll including terrestrial and marine vegetation. Notes on geology, soil, fauna. Enumeration of plant species, and bibliography. Some excellent photos, by Mayor.

Seurat, L. G.

Observations sur la structure de l'île Timoe (Crescent).

1-8, Papeete 1903 a.

Geographical and geological account with treatment of vegetation, fauna and flora. Bish.

Observations sur la structure, la faune et la flore de l'île Marutea du Sud (archipel des Tuamotu). 1-18, Papeete, 1903 b.

Good description of geography, surface features, soils (mentioning presence of pumice), flora and vegetation, and fauna. Notes on coconut plantations. Paris Mus.

Seurat, L. G.

[Marutea du Sud].

Bull. Mus. Hist. Nat. Paris 10: 94-95, 1904 a.

Letters relating to collections of marine animals, but with mention of a few birds.

Observations biologiques sur les cénobites (*Cenobita perlata*, Edwards).

Bull. Mus. Hist. Nat. Paris 10: 238-242, 1904 b.

Notes on habits of *Cenobita* observed in Timoe and Marutea du Sud; includes incidental, valuable information on plants and a few mentions of other animals.

Observations sur quelques îles orientales de l'archipel Tuamotu.

1-11, Papeete, 1904 c.

Description of geography, structure, fauna, flora; notes on economic plants; concerns Fakahina, Pukapuka, Fagatau. Paris Mus.

Sur le crabe des cocotiers, *Birgus latro* L.

Bull. Mus. Hist. Nat. Paris 11: 146-147, 1905 a.

Excerpt from a letter, mentioning capture of this crab in the Tuamotus; indicates that crab can easily climb coconut trees.

Flore économique de la Polynésie française.

Bull. Soc. Nat. Acclim. France 52: 310-326, 355-359, 369-376, 1905 b.

Includes notes on useful plants, their uses and cultivation in French Polynesia, with a paragraph on the climate, p. 312, and vegetation, pp. 315-317, of the Tuamotus, and reference to these islands when plants are discussed which exist there.

Les îles coralliennes de la Polynésie. Structure, mode de formation, faune et flore.

Bull. Mus. Océan. Monaco 65: 1-16, 1906 a.

General notes on the atolls of the Tuamotus, with brief geographic description, mentions of soil, water, short lists of land plants and animals.

Tahiti et les établissements français de l'Océanie.

1-127, Paris, 1906 b.

Monograph with notes on climate, geology, vegetation, flora, fauna, insect pests, plant diseases, economic plants, etc. Includes Society Tuamotu, Gambier Islands. Bibliography. DA: 128 Se 82.

Seurat, L. G.

La faune et le peuplement de la Polynésie française.

Mem. Soc. Biogéogr. 4: 41-74, 1934.

Discussion of land faunas with remarks on geography, with short summaries of groups represented. Includes Tuamotus and incidental mentions of other atolls. Bibliography.

Sewell, R. B. S.

The coral coasts of India.

Geogr. Jour. 79: 449-465, 1932.

Includes information on surface features of atoll islets, with examples from the Maldivé and Laccadive Islands. Mentions presence of pumice on Addu. In the discussion, p. 464, the infestation of the Laccadives by rats, at times, is reported.

Introduction and list of stations.

J. Murray Exp. Rept. 1: 1-41, 1935.

Brief narrative and itinerary of expedition, which visited the Maldives; chart of voyage.

An account of Addu Atoll.

J. Murray Exp. Rept. 1: 63-93, 1936 a.

Geographic and geologic account, with notes on topography, vegetation, hydrology, fauna, etc., map and photographs; bibliography.

An account of Horsburgh or Gorfurfehender Atoll.

J. Murray Exp. Rept. 1: 109-125, 1936 b.

Geographic and geologic account with notes on topography, vegetation, soil, fauna, etc., map and photographs; bibliography.

Sharp, D.

Coleoptera; in, Gardiner, The fauna and geography of the Maldivé and Laccadive archipelagoes 2: 972-974, 1905.

List of species.

Sharpe, R. B.

Birds; in, Report... of the 'Alert' 483-485, 1884.

Includes several species from Amirantes and Glorioso; see Günther, 1884 and Copping, 1883.

Sharpe, R. B. and Whitmee, S. J.

On a small collection of birds from the Ellice Islands. With a note on other birds found there by the Rev. S. J. Whitmee.

Proc. Zool. Soc. London 1878: 271-274, 1878.

Enumeration of birds sent by Whitmee; note by Whitmee mentions some other species, observed, but not obtained by his collector.

Shaw, H. K. A.

On the distribution of *Pisonia grandis* R. Br. (*Nyctaginaceae*), with special reference to Malaysia. Kew Bull. 1952: 87-97, 1952.

Includes notes on distribution (with map for Malaysia), mentioning occurrence on various atolls, including Marcus. Discussion of factors possibly influencing distribution, suggesting guano as an important factor in early development of plants. Notes on nomenclature and taxonomy, bibliography.

Sheehan, R. R.

[Birds on Midway].

Elepaio 11 (12): 71-72, 1951 a.

Excerpt from a letter, with ecological notes on birds.

Observations on birds of Midway.

Elepaio 12: 24, 40-41, 1951 b.

Excerpts from letters; ecological notes.

[Ecological notes on Midway birds].

Elepaio 12 (12): 79, 1952 a.

Excerpt from a letter, with information on bird migrations, and incubation periods.

Rump coloration of the black footed albatross.

Elepaio 12 (11): 71, 1952 b.

Coloration may be used as an indication of age. Observations made on Midway.

Shelmine, L. S.

The early history of Midway Islands.

Am. Neptune 8: 179-195, 1948.

Historical account of Midway, including descriptions and some mentions of plant and bird life, especially in excerpts from G. C. Munro's diary of 1891 trip to Midway.

Shephard, C. Y.

Gilbert and Ellice Islands.

Trop. Agr. [Trinidad] 22: 200-202, 1945.

General information with notes on agriculture, food plants, especially taro, number of livestock;

- population figures, and data on land area of atolls. (Includes Fanning, Washington and Christmas, and the Phoenix Islands).
- Sherborn, C. D.
Note on the dates of the "Zoology of the 'Beagle'." *Ann. Mag. Nat. Hist.* VI, 20: 483, 1897.
List of dates of issue of various parts of the "Zoology"; see Darwin, 1838-1843.
- Sherff, E. E.
Revision of *Tetramolopium*, *Lipochaeta*, *Dubautia*, and *Railliardia*.
Bishop Mus. Bull. 135: 1-136, 1935.
Treats *Lipochaeta integrifolia* from Laysan and Kure.
-
- Some Compositae of southeastern Polynesia (*Bidens*, *Coreopsis*, *Cosmos* and *Oparanthus*).
Occ. Pap. Bishop Mus. 12 (19): 1-13, 1937 a.
Includes *Bidens pilosa* from Fanning, Flint, and Anaa Islands, and *B. hendersonensis* var. *oenoensis*, new var., from Oeno.
-
- The genus *Bidens*.
Field Mus. Nat. Hist. Bot. Ser. 16: 1-709, 1937 b.
Monographic; includes some species from various atolls.
- [Shinkosha Press]
Nihon chiri Takei.
[4: 1-535, 1930; supplement 2: 1930.]
Geographical. Text in Japanese. Includes photos of Micronesian Islands, some of them atolls.
LC: Orient. Jap.
- [-----]
Nihon chiri fuzoku Takei.
[1: 1-792, Tokyo, 1937 (revised edition).]
Geographical, includes good photographs of some Micronesian atolls. Text in Japanese. 12 vols., 1935-1938. LC: Orient. Jap.
- Shoemaker, C. R.
Amphipod Crustacea collected on the presidential cruise of 1938.
Smiths. Misc. coll. 101 (11): 1-52, 1942.
Includes several species recorded from Clipperton, from the shore and from under a boobie nest (*Orchestia marquesana*).
- Shortall, J. P.
Forgotten Nukumanu.
Walkabout 7 (3): 40-41, 43, 45, 47-48, 1941.
Popular account of a visit, with a little casual geographic information, quotation from Tasman's account of discovery of Nukumanu; photographs, map.
- Sibley, C. G.
A new flycatcher of the genus *Monarcha* from the Bismarck Archipelago.
Condor 48: 281-282, 1946.
Includes mentions of *M. cinerascens fulviventris*, from Ahu, Ninigo group.
- Sicard, [A.]
Coleoptera, Coccinellidae.
Trans. Linn. Soc. Zool. II, 15: 361-366, 1912.
Systematic account of collections of Percy Sladen expeditions, including species from Dennis, Chagos, and Cargados Carajos.
- Sievers, W.
Die Inseln vor der Nordküste von Venezuela.
Globus 74: 163-165, 1898.
Includes information, compiled from various sources, on Aves Islands, with some description, mentions of fauna, especially birds, and of presence of guano.
- Sievers, W., and Kükenthal, W.
Australien, Oceanien und Polarländer.
1-640, Leipzig und Wien, 1902 (ed. 2).
General geographic treatment with a few remarks on the flora and fauna of coral islands. LC: DU 21. 558.
- Silvestri, F.
Myriopoda from the Society Islands.
Bishop Mus. Bull. 113: 131-134, 1934.
Includes records from the Tuamotus, Gilberts, Ellice, Marshalls.
- Simmonds, H. W.
[*Hypolimnas bolina*].
Proc. Hawaiian Ent. Soc. 7: 228-230, 1929.
Brief note on distribution and biology of this species, mentioning its presence on Fanning.
-
- Coconut pests and diseases in Melanesia and southern Polynesia.
Bull. Dept. Agr. Fiji 20: 1-40, 1938.
Account of pests (rats, birds, mostly insects and fungi) of coconut palms; mentions of occurrence on

atolls (Gilberts).

Simmonds, H. W.

Biological control of the rhinoceros beetle (*Oryctes rhinoceros* L.).

Bull. Dept. Agr. FIJI 21: 1-30, 1941.

No mention of atoll, but may be of general interest; account of a trip in search of a successful parasite of the beetle and its introduction in Samoa.

Simmons, G. F.

Sindbad's of science.

Nat. Geogr. Mag. 52: 1-75, 1927.

Popular account of the Cleveland Museum south Atlantic expedition, in the Blossom. Includes, pp. 71-74, a brief description of Rocas Reef, with notes on bird colonies and photo of one of the cays.

Simon, E.

Ergebnisse einer Reise nach dem Pacific (Schauinsland 1896-1897).

Arachnoideen.

Zool. Jahrb. Syst. 12: 411-437, 1899.

Includes a list of six species collected on Laysan, two of them new.

Simpson, R. H.

A phenomenal haze in the Pacific.

Weatherwise 3 (4): 83-84, 1950.

Phenomenon observed at Wake, Midway and Johnston, may be related to Mauna Loa eruption.

Skogman, C. [J.]

Fregatten Eugénies Resa Omkring Jorden Ären.

1851-1853 under Befäl af C. A. Virgin.

2 vols., Stockholm, 1855.

In Swedish; see Andersson, 1854, and Skogman, 1856. Smi.: 508.2 E87.

Erdumsegelung der Königl. Fregatte Eugénie
2 vols., Berlin, 1856 (translated from Skogman, 1855, by A. von Etzel).

Narrative of expedition. In vol. 2, there are accounts of visits to various atolls, including the Tuamotus, Caroline, Stewart, Mokil, Cocos-Keeling, etc., with some geographic information, notes on vegetation, economic plants, pigs, etc. Acad. Sci. Phila.

Skottsberg, C.

Artemisia, Scaevola, Santalum and Vaccinium of Hawaii.

Bishop Mus. Bull. 43: 1-89, 1927.

Systematic; includes *Santalum cuneatum* var. *laysanicum* Rock, from Laysan, p. 59.

Skottsberg, C.

Liliaceae of southeastern Polynesia.

Occ. Pap. Bishop Mus. 13: 232-244, 1937.

Records *Cordyline terminalis*, cultivated, from Hao. Bibliography.

Report of the Standing Committee for the Protection of Nature in and around the Pacific for the years 1933-1938.

Proc. 6th Pac. Sci. Cong. 4: 499-546, 1940.

Outline reports of many island groups, starting with a brief remark about the vegetation in each case, and including data on bird life, introduced animal pests, human activity, and condition of islands at time of writing. Atolls of central and southeastern Polynesia are discussed specifically. Various islands treated by various authors, atoll portion principally by F. R. Fosberg.

Slevin, J. R.

Log of the schooner "Academy" on a voyage of scientific research to the Galapagos Islands, 1905-1906.

Calif. Acad. Sci. Occ. Pap. 17: 1-162, 1931.

Includes, pp. 20-22, account of visit to Clipper-ton, with brief description.

Notes on the reptiles and amphibians, with the description of a new species of sea-snake.

Proc. Calif. Acad. Sci. IV, 21: 183-188, 1934.

Results of the Templeton Crocker expedition, 1933; includes lizards collected on Palmyra and Pukapuka (Danger Islands).

Slooten, D. F. van

Die Verbreitung von *Lumnitzera* und einigen anderen Mangrove Gewächsen.

Blumea Suppl. 1: 162-175, 1937.

Includes Marshall Islands in range of *L. littorea* on map, but no reference in text.

Smith, E. A.

On a collection of land and freshwater shells from Rotuma Island.

Ann. Mag. Nat. Hist. VI, 20: 519-523, 1897.

On p. 522, describes a new species and says "larger than *Omphalotropis solidula*, Pfeiffer, from Lord Howe I."; this is erroneous for Lord Hood (*S. Marutea*), see Pfeiffer, 1854.

- Smith, E. A.
Land and freshwater Mollusca; in, Gardiner, The fauna and geography of the Maldive and Laccadive archipelagoes 1: 141-145, 1902.
Systematic.
- Smith, J. J.
Een tochte naar de koraaleilanden ten noorden van Tandjong Priok.
Teymannia 10: 85-95, 1900.
Describes the vegetation of various islands near Batavia harbor, some of which, such as the Duizend Eilanden, seem to be similar to atolls, though possibly too closely associated with Java.
-
- Een botanische reis naar de Duizend Eilanden.
Teymannia 18: 450-456, 1907.
Gives lists of plants for some of the islands: Zuidwachter, Noordoosteland, Poeloe Doea. Plants collected by author in 1906.
- Smith, M. A.
Monograph of the sea-snakes (Hydrophiidae). 1-139, London, 1926.
Includes two species of Hydrophis from the Gilberts. LC: QL 666. O6 S6.
- Smith, R. O.
Fishery resources.
U. S. Commercial Company Economic Survey of Micronesia 9: 1-98, 1946.
Includes notes on native canoes of Marshalls and Carolines, with photos; information on presence of turtles.
- Smith, S. P.
Tongarewa or Penrhyn Island, and its people.
Trans. Proc. N. Z. Inst. 22: 85-103, 1889.
Brief description and notes on natives' customs compiled mostly from Lamont, 1867.
- Snodgrass, R. E., and Heller, E.
The birds of Clipperton and Cocos Islands.
Proc. Washington Acad. Sci. 4: 501-520, 1902.
Islands visited in 1899. Includes, pp. 501-505, detailed description of structure, mentions of climate and brief notations on vegetation. Clipperton: "no land plant is native to the island, and the birds and crabs are everywhere so abundant that no plant could possibly grow there unless artificially protected." P. 516, "Clipperton is absolutely destitute of vegetation."
- Snow, B. G.
Fearful and destructive gale in the tropics.
Friend 21: 80, 1864.
Account of a gale on Ebon (May 1864) and its effect on vegetation.
- Snyder, J. O.
Notes on Hawaiian lizards.
Proc. U. S. Nat. Mus. 54: 19-25, 1917.
Notes on habits of lizards; mentions, p. 23, presence of eggs of Hemidactylus garnotii Dum. & Bibr. on Laysan; records Ablepharus poecilopleurus (Wieg.) from Laysan, p. 25.
- Snyder, T. E.
Catalog of the termites (Isoptera) of the world.
Smiths. Misc. Coll. 112: 1-490, 1949.
Catalog with much systematic revision. Includes atoll species. Extensive bibliography of taxonomy of termites. Separate. LC: QL513. T3 S495.
- [So, M.]
[Report on tropical farm products]; in [Department of Education....], [Supplement to the Report...], 68-86, Tokyo, 1917.
Includes description of current agricultural situation for the various groups of islands, including Marshalls. Recommendations for suitable crops, livestock, improvement of organization, and establishment of agricultural experiment station. Abstract Takeda.
- Sokolowsky, A.
Die Marshall Inseln und ihre Bewohner.
Naturw. Wochenschr. 14: 76-78, 1899.
Brief geographical compilation. Unimportant.
- Sollas, W. J.
Funafuti: The study of a coral atoll.
Nat. Sci. 14: 17-37, 1899 a.
Account of the boring expedition, with a description of atolls in general, and an excellent one of Funafuti, in particular, with notes on vegetation, soil; etc., diagrams, and photographs.
-
- Funafuti: The story of a coral atoll.
Ann. Rept. Smithsonian Inst. 1898: 389-406, 1899 b.
Reprinted from Sollas, 1899a, but without photographs.
-
- Narrative of the expedition in 1896; in, Royal Society of London, The atoll of Funafuti, 1-28, 1904.
Includes account of the first boring attempts, and description of atoll, its geology, soils. Two photos of the ocean beach.

Someki, A.

Micronesia no Fūdo to Mingu [Climate and folk tools of Micronesia].

1-488, 1-32, Tokyo, 1945.

Discusses uses of plants in Caroline, Marshall, and Gilbert Atolls. Map. In Japanese.

[-----]

A cruise in the waters around the Island Yap (Yappu ritō junkō-ki).

Jap. Jour. Ethn. 3 (3): 545-604, 1937.

Title in English on cover. In Japanese. Small maps of atolls. Account of geography and material culture of atolls of western central Carolines including uses of plant material.

Sornay, P. de

Le guano phosphaté.

Rev. Agr. Maurice 1: 292-296, 1922.

Concerns mostly guano from the Seychelles, but mentions samples received from Chesterfield, Saint-Brandon, Farquhar, Denis, etc.

Ile de France, -Ile Maurice.

1-550, i-xli, [Port-Louis], 1950.

A monograph of Mauritius; includes pp. 435-438, a chapter on the dependencies, Chagos, Agalega, Cargades Carajos, etc. with some notes on their productions, especially copra. Maps of Diego Garcia and Agalega. LC: DT469. M4 S65.

South Pacific Health Service.

Inspector-General's report from 1st January to 31st December 1950.

1-15, Suva, Fiji, 1951.

Includes data on diseases in the Gilbert and Ellice Islands. Data for various other atolls included with those for high islands.

South Pacific Commission.

Current research in the South Pacific in the field of economic development.

S. Pac. Comm. Tech. Pap. 29: 1-82, 1952.

Includes information on various research programs in the Gilbert Islands, pp. 62-63, Ninigo, p. 66, Arno, p. 68.

South Pacific Commission Research Council.

Economic development of coral islands.

Atoll Res. Bull. 1: 3-5, 1951.

Discussion of agricultural economy of atolls outlining project for improving it.

[South Sea Government].

[Material resulting from an investigation of the islands of the South Sea Mandate] (Inai tōji chiki Nanyō-guntō chōsa shiryō, 1).

1: 1-579, 1927. (Someki, A. editor).

Collection of articles, some of them listed here by authors. Not seen.

Souza Lopes H. de

On the genus Goniophyto Townsend 1927 with description of a new species from Hawaii.

Occ. Pap. Bishop Mus. 14: 193-197, 1938.

Includes Goniophyto bryani, sp. nov. (Diptera) from the Hawaiian Atolls and Johnston.

Sparrow, F. K.

Soil phycomycetes from Bikini, Eniwetok, Rongerik and Rongelap Atolls.

Mycologia 46: 445-453, 1948.

Records several chytrids cultured from soil samples, describing two as new species.

Collection of soil samples for the recovery of aquatic phycomycetes.

Atoll Res. Bull. 17: 61, 1953.

Brief statement of method and equipment needed.

Spiro, M. E.

Ifaluk, a south sea culture.

CIMA Rept. 18: 1-148, 1949 (unpublished).

Anthropological, but contains a short geographic section, much information on animals noting that there are two species of large lizards introduced for rat-control, discusses food supply and preparation, etc. See Burrows and Spiro, 1953.

Spoehr, A.

Majuro, a village in the Marshall Islands.

CIMA Rept. 1: 1-232, 1948.

Published as Spoehr 1949.

Majuro, a village in the Marshall Islands.

Fieldiana: Anthropology 39: 1-266, 1949.

Detailed report of a coral island culture, mainly social anthropology, with incidental discussion of geography, physical environment, economic plants. Photos, maps. LC: DU710. S6.

Coral atolls and man.

Atoll Res. Bull. 1: 21, 1951.

Discusses problems of relationship between man and environment on atolls.

- Spoehr, A.
 Anthropology and coral atoll field research.
 Atoll Res. Bull. 17: 109-110, 1953 a.
 General discussion of problems and planning of research.
-
- Relation of humans to atoll environment.
 Eighth Pac. Sci. Congr. Abstr. 115-116, 1953 b.
 Abstract of paper prepared for symposium, summarizes results to date of Pacific Science Board Atoll Research Program as applied to human ecology.
- Sprunt, A. Jr.
 Blizzard of birds; the Tortugas terns.
 Nat. Geogr. Mag. 91: 213-230, 1947.
 Popular account of bird colonies on Dry Tortugas, with good photos.
- Spry, W. J. J.
 The cruise of H. M. S. Challenger.
 1-388, N. Y., 1877.
 Running account of the Challenger expedition from the point of view of a naval man, almost devoid of scientific interest. On pp. 199-200 are brief notes on Raine and Bird Islands. Map of route. LC: G420. C4 S7.
- Stål, C.
 Hemiptera. Species novas descripsit....
 Eugenies Resa Vet. Iaktt. 2: 219-298, 1859.
 Ricania bohemanii described, p. 280, from Keeling Atoll.
-
- Orthoptera. Species novas descripsit....
 Eugenies Resa Vet. Iaktt. 2: 299-350, 1860.
 Acridium mitratum described, p. 337, from Keeling Atoll.
- Stackpole, E. A.
 The sea-hunters. The New England whalers during two centuries, 1635-1835.
 1-510, Philadelphia, N. Y., 1953.
 Includes information on visits of whalers to Pacific atolls, some of which were thus first discovered. Quotes excerpts from unpublished logs and other manuscripts. Bibliography. LC: SH381. S76.
- Steenis, C. G. G. J. van
 Schets van de flora van het eiland Dapoer (Duizend Eilanden).
 Trop. Nat. 24: 31-34, 1935.
 Includes description of vegetation, notes on flora, with vegetation map and photos.
- Steenis-Kruseman, M. J. van
 Flora Malesiana I, 1. Malaysian plant collectors and collections....
 1-639, Djakarta, 1950.
 A vast compilation of information on collectors, expeditions, history of exploration, etc., in the western Pacific, with information on the expeditions which have visited the East Indian atolls, Mapia, and the atolls north of New Guinea, and where the collections are deposited; maps, bibliography.
- Stein, P.
 Diptera, Anthomyiidae, mit den Gattungen Rhinia und Idiella.
 Trans. Linn. Soc. Zool. II, 14: 149-163, 1910.
 Systematic treatment of collections of Percy Sladen Expedition with several species reported from atolls of western Indian Ocean.
- Steinbach, [E.]
 Bericht über die Gesundheitsverhältnisse des Schutzgebietes der Marshall-Inseln in der Zeit von Jänner 1892 bis März 1893.
 Mitt. deutsch. Schutzgeb. 6: 306-313, 1893 a.
 Includes information on various diseases and their agents.
-
- Zum Klima der Marshall-Inseln nach den Beobachtungen von Dr. Steinbach in Jaluit.
 Mitt. deutsch. Schutzgeb. 6: 314-319, 1893 b.
 General notes on climate, with tables of rainfall and temperature for Jaluit, 1891-1892.
-
- Bemerkungen über das Klima von Jaluit.
 Mitt. deutsch. Schutzgeb. 7: 305-318, 1894.
 General notes on climate, with tables for temperature, number of rainy days, wind direction, etc., in 1893.
-
- Die Marshall-Inseln und ihre Bewohner.
 Verhandl. Ges. Erdk. Berlin 22: 449-488, 1895 a.
 Monographic, with general description of the group, and notes on several atolls, including geography, climate, water-supply, plants and vegetation, fauna, natives' foods, etc.
-
- Das Klima von Jaluit (Marshall-Inseln).
 Meteor. Zeitschr. 12: 272-279, 1895 b.

Said to be excerpts from Steinbach, 1894.

Steinbach, E.

The Marshall Islands.

Geogr. Jour. 7: 296-297, 1896.

Abstract of Steinbach, 1895 a.

Steinbach, E. and Grösser, H.

Wörterbuch der Marshall-Sprach.

1-124, Hamburg, 1902.

Marshallese-German and German-Marshallese vocabulary, with many names of plants and animals, their parts, and things made from them, but not very useful because of lack of scientific names and impossibility of definite identification of many items. Bibliography. LC: PL6255. Z5 S7.

Steindacher, F.

Reptilien: in, Reise der Oesterreichischen Fregatte Novara....

Zoologischer Theil I: 1-98, 1869.

Includes, p. 44, two species of Euprepes from Stuarts Island (Sikayana). LC: Q115. N9z.

Stejneger, L.

On some collections of reptiles and batrachians from east Africa and the adjacent islands....

Proc. U. S. Nat. Mus. 16: 711-741, 1894.

Includes a turtle and three lizards from Glorioso.

The land reptiles of the Hawaiian Islands.

Proc. U. S. Nat. Mus. 21: 783-813, 1899.

Includes a few atoll records.

Stephensen, K.

Indo-Pacific terrestrial Talitridae.

Occ. Pap. Bishop Mus. 10 (23): 1-20, 1935.

Several species of Amphipoda from atolls of Tuamotus and Maldives; bibliography.

Sterndale, H. B.

Memoranda on some of the South Sea Islands.

App. Jour. N. Z. House Repr. 1874 A 3b: 1-55, 1874.

Includes information on various atolls and atoll groups, their geography, economic plants and animals, etc. Some of the notes are valuable, others rather fanciful.

A lone land and they who lived on it.

Mo. Rev. Wellington 2: 195-204, 269-279, 346-355, 385-392, 435-443, 1890.

Said to be reprinted from the Auckland Weekly

News, no date given. Rather chatty account of various Pacific Islands. Pp. 195-199 concern Suvarov, with some description of it.

Sternfeld, R.

Zur Tiergeographie Papuasiens und der pazifischen Inselwelt.

Abhandl. Senckenb. naturforsch. Ges. 36: 373-436, 1920.

Includes enumeration of reptiles and amphibians collected by the "Natuna," some species from various atolls; Ulithi, Tuamotus.

Stedel, E. G.

Synopsis Plantarum glumacearum.

1-474, Stuttgart, 1854-1855(1-400; 1854, 400-end; 1855).

Includes description of Panicum stenotaphodes Nees, from Choin I. (Anaa), Cuming coll. Smi.: Div. Grasses.

Stevenson, I. L.

Microbiological examination of soils of Arno Atoll. Soil Sci. 75: 225-231, 1953.

Describes studies of various microorganisms from soils collected by Stone; includes actinomycetes and a number of bacteria, among them Azotobacter and other bacteria taking part in the nitrogen cycle.

Stewart, J. Q.

Coasts, waves and weather.

1-[348], Boston, 1945.

A book for the use of navigators; contains incidental information on atolls of the Phoenix, Marshall, Gilbert, and Caroline groups, with a number of photographs of these and of unidentified atolls. Most of the information is excerpted from the Pacific Islands Pilot. Bibliography. GS: 530q St 4c.

Steyskal, G. C.

Ulidiinae (Diptera, Otitidae) of Australasian regions.

Occ. Pap. Bishop Mus. 20: 277-287, 1952.

Includes two species recorded from the Marshalls.

Stickney, E. H.

Northern shore birds in the Pacific.

Am. Mus. Novit. 1248: 1-9, 1943.

Notes on migrations of various species, with records from various atolls.

Stitz, H.

Ameisen von den Philippinen, den malayischen und ozeanischen Inseln.

Sitzungsber. Ges. naturforsch. Freunde Berlin 1923: 111-136, 1925.

- Includes, p. 115, *Odontomachus haematodes*, from Jaluit.
- Stitz, H.
Neue Ameisen aus dem indo-malayischen Gebiet. Sitzungsber. Ges. Naturforsch. Freunde Berlin 1938: 99-122, 1938.
Includes *Aratromyrmex cristatus*, n. sp., from Jaluit.
- Stock, R.
The cruise of the Dream Ship. 1-292, Garden City, N. Y. and Toronto, 1921.
Popular account of a voyage in a small boat to the South Seas, with a chapter on the Tuamotus and one on Palmerston Island, with a few photographs of each. LC: DU510. S7.
- Stockard, C. R.
Habits, reactions, and mating instincts of the "walking stick", *Aplopus mayeri*. Carnegie Inst. Pub. 103: 43-59, 1908.
Experimental and observational data on this insect, collected in Dry Tortugas; mentions *Suriana maritima* as its food-plant.
- Stokes, J. L.
Discoveries in Australia. 1: 1-521, 2: 1-543, London, 1846.
Account of surveying of Australian coasts by the Beagle, 1837-1843. Includes, vol. 2, pp. 134-166, an account of exploration of Houtman's Abrolhos, with information on the structure of the various groups, notes on soils, brief mentions of vegetation, water supply, birds and seals. LC: DU101. S87.
- Stone, A. and Bohart, R. M.
Studies on mosquitoes from the Philippine Islands and Australasia (Diptera: Culicidae). Proc. Ent. Soc. Washington 46: 205-225, 1944.
Includes description of *Aedes (Stegomyia) marshallensis*, from various atolls of the Marshalls, p. 218.
- Stone, E. L., Jr.
The soils and agriculture of Arno, Marshall Islands. I. Soils; II. Agriculture. SIM Rept. 10: 1-56, 1-46, 1951 a (mimeographed).
General account of atoll physiography and soils, with specific account of soils, economic plants, vegetation and agriculture of Arno Atoll. In I.: pp. 55-56, notes on plants collected with lists of lichens, mosses and hepatics.
- Stone, E. L., Jr.
Agriculture [on atolls]. Atoll Res. Bull. 1: 22, 1951 b.
Statement on existing condition of agriculture on atolls and suggestions for future research.
- Soils [of atolls]. Atoll Res. Bull. 1: 12, 1951 c.
Brief summary of present state of knowledge of atoll soils, with mention of certain results of Arno investigation.
- The soils of Arno Atoll, Marshall Islands, and the agriculture of Arno Atoll, Marshall Islands. Atoll Res. Bull. 5: 1-56; 6: 1-46, 1951 d.
A reissue, slightly revised and enlarged, of Stone, 1951 a.
- Suggestions for studying atoll soils. Atoll Res. Bull. 17: 38-43, 1953 a.
Description of methods of field study and sampling.
- Summary of information on atoll soils. Atoll Res. Bull. 22: 1-4, 1953 b.
Notes on parent material, soil formation and properties, with examples cited mostly from Arno and Onotoa.
- Straelen, V. van
Résultats scientifiques du voyage aux Indes Orientales Néerlandaises.... 6 vols., Brussels, 1930-1939.
Vol. 1: 1933 is an introduction and contains geographical and geological descriptions of islands visited, with descriptions and many good photographs of vegetation. The coral islet Weim, Misool archipelago near New Guinea, is described and illustrated; not a typical atoll, but of interest in this connection; on p. 159, Aroe Is. are discussed, with some indications that certain of them may be low banks of coral sand. LC: Q115. R45.
- Strand, E.
Neue indoaustriale und polynesiische Spinnen des Senckenbergischen Museums. Arch. Naturg. 79 A (6): 113-123, 1913.
Includes, p. 117, *Aranea poumotua* Strand, n. sp., from Tikei (Friederici coll.).
- Indoaustriale, papuanische und polynesiische

Spinnen....

Abhandl. Senckenb. naturforsch. Ges. 36: 179-274, 1915.

Mostly based on collections made by the Natuna expedition; includes some species collected on atolls, especially Tuamotus and Ulithi.

Strauch, A.

Bemerkungen über die Geckoniden-Sammlung in zoologischen Museum der Kaiserlichen Akademie der Wissenschaften zu St. Petersburg.

Mem. Acad. Sci. St. Petersburg VII, 35 (2): 1-72, 1887.

Includes some records from atolls.

Streets, T. H.

Description of a new duck from Washington Island. Bull. Nurtall Club 1: 46-47, 1876.

Chaulelasmus conesi, sp. nov.

Some account of the natural history of the Fanning group of islands.

Am. Nat. 11: 65-72, 1877 a.

Includes good description and notes (mostly about birds) on Palmyra, Washington, and Christmas Islands.

Contributions to the natural history of the Hawaiian and Fanning Islands and Lower California.

Bull. U. S. Nat. Mus. 7: 1-172, 1877 b.

(Reprint: Smiths. Misc. Coll. 13: 1-172, 1877).

Includes birds, and a list of plants (identified by Gray and Vasey) from Christmas, Fanning, Washington, and Palmyra Islands.

Stresemann, E.

Die Vögel von Seran (Ceram).

Novit. Zool. 21: 25-152, 1914.

Various atoll records in statements of distribution.

Dr. Bürgers' ornithologische Ausbeute im Stromgebiet des Sepik.

Arch. Naturg. 89 A (7): 1-96, (8): 1-92, 1923.

Includes mentions of records from atolls, e. g. *Aplonis cantoroides* from Ninigo and Matty, (7) p. 45, *Ducula pacifica* from the Ellice Islands, (8) p. 76, etc.

Die Zosteropiden der indo-australischen Region.

Mitt. Zool. Mus. Berlin 17: 201-238, 1931.

Systematic; includes *Zosterops japonica simplex*, mentioned from the Paracel Islands and *Z. palpebroosa egregia* from the Laccadives.

Stresemann, E.

Birds collected during Capt. James Cook's last expedition (1776-1780).

Auk 67: 66-88, 1950.

Includes discussion of birds collected on Palmerston and Christmas Islands.

Strong, R. M.

A bibliography of birds.

Field Mus. Publ. Zool. 25: (1): 1-464, (2): 465-937, 1939; (3): 1-528, 1946.

First two parts are a list of authors, third part is a subject index; selected bibliography, emphasizing other than systematic works, contains a few items on atoll birds.

Sturges, A. A.

Letter from Micronesia.

Friend 22: 52-53, 1865.

Letter from a missionary, discussing James, 1864. Suggests that the destruction observed on Ujelang may have been caused by lightning, and describes similar effects observed in the mangrove at Ponaape, and attributed to lightning by natives.

Suessenguth, K.

Amarantaceae of southeastern Polynesia.

Occ. Pap. Bishop Mus. 12 (2): 1-10, 1936.

Several forms of *Achyranthes* recorded from atolls of Tuamotu and Austral Islands.

Summerhayes, V. S.

An enumeration of the angiosperms of the Seychelles archipelago.

Trans. Linn. Soc. Zool. II, 19: 261-299, 1931.

Contains various species from Bird and Dennis Islands.

The genus *Ficus* (Moraceae) in southeastern Polynesia.

Occ. Pap. Bishop Mus. 15: 227-228, 1939.

Ficus carica cultivated on Hao, p. 227.

Susuki, S.

Die Opiliones Mikronesiens.

Annot. zool. Jap. 20: 98-104, 1941.

Includes *Parazalmoxida solitaria* from Jaluit.

Swezey, O. H.

Insects from Palmyra Islands.

Proc. Hawaiian Ent. Soc. 3: 15-16, 1914 a.

Systematic list of collection made by Rock and Cooke in 1913.

Two new species of moths from Laysan Island.

Proc. Hawaiian Ent. Soc. 3: 18-19, 1914 b.

Descriptions.

The genus *Phytometra* (*Plusia*) in Hawaii (Lepidoptera).

Proc. Hawaiian Ent. Soc. 4: 335-337, 1920.

Mentions that *Phytometra chalcites* is known from Midway, p. 335.

Notes on Oedemeridae in Hawaii and Palmyra.

Proc. Hawaiian Ent. Soc. 10: 263-264, 1939.

Mentions *Ananca bicolor* from Ellice Islands, *A. decolor* and *A. kanack* from Palmyra.

Distribution of Lepidoptera in Pacific island groups.

Proc. 6th Pac. Sci. Congr. 4: 317-324, 1940.

Brief mention of certain occurrences on atolls, bibliography.

Notes on food-plant relations of Scolytidae and Platypodidae in the Hawaiian Islands.

Proc. Hawaiian Ent. Soc. 11: 117-126, 1941.

Mentions *Xyleborus confusus* recorded from Keeling, p. 123.

Sphingidae of Guam.

Bishop Mus. Bull. 172: 39-40, 1942 a.

Chromis erotus eras mentioned from the Tuamotus.

Miscellaneous families of Guam Coleoptera.

Bishop Mus. Bull. 172: 150-171, 1942 b.

Includes some records from atolls, e. g. *Sesinia livida* from Ellice Islands, p. 167.

Formicidae of Guam.

Bishop Mus. Bull. 172: 175-183, 1942 c.

Mentions *Ponera punctatissima* subsp. *schauinslandi*, from Laysan, p. 176.

Swezey, O. H.

Johnston Island insects.

Proc. Hawaiian Ent. Soc. 11: 271, 1943.

Lists five species collected by Browne.

Notes on some Fulgoroidea of Guam.

Bishop Mus. Bull. 189: 149-156, 1946 a.

Lamenia caliginea mentioned from Ellice Islands and Funafuti.

Geometridae, Arctiidae, Agrotidae and Pyralidae of Guam.

Bishop Mus. Bull. 189: 163-185, 1946 b.

Includes records from Gilberts, Marshalls, Ellice, Tuamotus, Cocos-Keeling.

Swinhoe, R.

A revised catalogue of the birds of China and its islands . . .

Proc. Zool. Soc. London 1871: 337-423, 1871.

Includes, pp. 422-423, some sea birds seen on or near the Paracel Shoals.

Taeuber, I. B., and Han, C. C.

Micronesian islands under United States trusteeship: demographic paradox.

Pop. Index 16: 93-115, 1950.

Consideration of historical and present-day population dynamics, mainly on high islands, but with some consideration of and statistics on low islands; bibliography.

Takahashi, R.

Some Aleyrodidae, Aphididae, Coccidae (Homoptera) and Thysanoptera from Micronesia.

Tenthredo 1 (2): 109-120, 1936.

Includes *Aspidiotus oceanica* from "Yalut", p. 109.

Some Aleyrodidae, Aphidae and Coccidae from Micronesia (Homoptera).

Tenthredo 2 (3): 234-272, 1939.

Includes various records from the Marshall and Caroline atolls (Wotje, Jalut, Oleai, Kayangel).

Some species of Aleyrodidae, Aphididae and Coccidae from Micronesia (Homoptera).

Tenthredo 3 (3): 208-220, 1941.

Includes a record from "Enderdy: Poloat" (Puluwat).

Takakuwa, Y.

Ueber drei neue Arten der Chilopoden aus Formosa und Marshallinseln.

Trans. Nat. Hist. Soc. Formosa 24: 221-225, 1934 a.

In Japanese except for Latin names; *Mecistocephalus brevisternalis* from the Marshalls.

Neue Japanische Mecistocephalidae.

Annot. zool. Jap. 14: 355-363, 1934b.

Includes *Mecistocephalus brevisternalis*, sp. nov., from the Marshalls.

Ueber neue Chilopoden aus Japan.

Trans. Nat. Hist. Soc. Formosa 25: 339-343, 1935.

Mecistocephalus capillatus, from Jaluit. In German, with Japanese abstract.

Ueber eine neue Subspezies des *Ethmostigmus* aus Marshallinseln und eine neue Spezies des *Nodoccephalus* aus Mandchurie.

Trans. Nat. Hist. Soc. Formosa 26: 159-163, 1936.

In Japanese, with German abstract; *Ethmostigmus platycephalus hiroi*, n. subsp., from the Marshalls.

Verzeichnis der Japanischen und Mandchureischen Chilopodenarten.

Annot. zool. Jap. 17: 353-359, 1938.

A list of species including two from the Marshall Islands.

Takatsukasa, S. and Kuroda, N.

[A table of birds known at present from the various islands and island-groups of western Pacific, formerly belonging to Germany but now occupied by Japan].

[Tori] [1 (2): 60-64, 1915].

In Japanese, except for table, in Roman type, which includes Mackenzie and Ngoli, as localities for various species.

[Takatsukasa, S. and Yamashina, Y.]

Second report on the birds of the South Seas.

Zool. Mag. (Tokyo) 44: 221-226, 1932.

Description of *Globicera oceanica ratakenensis*, subsp. nov. from Arno and Wotje, and enumeration of bird species known from Micronesia, including some from Caroline and Marshall atolls.

Tapparone-Canefri, C.

Fauna malacologica della Nuova Guinea ... Parte I. Molluschi estramarini.

Ann. Mus. Sto. nat. Genova 19: 1-313, 1883.

Includes a few records of land shells from various atolls.

Tardy de Montravel, L.

Renseignements hydrographiques et autres, recueillis à bord de la corvette la Constantine ...

Ann. Hydrogr. [France] 10: 155-338, 1854 [published at least subsequent to Aug. 1856, actually].

Includes, pp. 169-170, account of Constantine or Greenwich Islands (Kapingamarangi), with sketch-map and view of landfall. See also pp. 68-69. Volume date 1854-1855, but on p. 330 are recorded observations made Aug. 28, 1856.

Tate, G. H. H.

Rodents of the genera *Rattus* and *Mus* from the Pacific Islands.

Bull. Am. Mus. Nat. Hist. 68: 145-178, 1935.

Systematic, with many records from Pacific Atolls. Discussion of origin of rat faunas.

The Muridae of the Cocos-Keeling Islands.

Bull. Raffles Mus. 22: 271-277, 1950.

Several mice and rats discussed, ecologically and systematically, and a new subsp. described; bibliography.

Tate, C. H. H. and Archbold, R.

A revision of the genus *Emballonura* (Chiroptera).

Am. Mus. Novit. 1035: 1-14, 1939.

Emballonura semicaudata recorded from the Marshalls.

Tayama, R.

Table reef, a type of coral reef.

Hydrogr. Bull. 13 (6): 225-232, 1934 (translated by S. Ofuji).

Geological, describes and illustrates especially Tobí and Sonsorol, but refers various other small atolls to this type; some description of surface features; maps, photos, several showing vegetation. GS; q Pam, Tayama, R.

Table reefs, a particular type of coral reefs.

Proc. Imp. Acad. (Tokyo) 11: 268-270, 1935.

Geological, with brief reference to surface features; statement of distribution and areas of islands of this type, with dimensions of islets.

Tayama, R.

[Correlation of the strata of the South Sea Islands].
Jour. Geol. Soc. Jap. 46: 345-348, 1939 (translation by R. Yamanouchi, edited by A. C. Mason and R. Barker, 1952).

Mentions briefly age of components of uplifted reef limestone on Jaluit. GS: q Pam, Tayama, R.

Character and distribution of coral reefs in the South Seas.

1-270, 29 pp. unpagged bibliography, photos, 8 pp. unpagged biographic and bibliographic sketch of author, supplementary volume of maps, diagrams and graphs; unpublished, undated.

A typescript translation summarizing the author's views and experience on the entire Micronesian region, mainly marine geology, but with information of interest on land geology and much of vegetation interest in the photographs. GS:

Coral reefs in the South Seas.

Hydrogr. Bull. 11: 1-292; appendix I, views: 1-333; appendix II, figures 1-18+table, 1952.

Contains extensive information on geology and surface features of Caroline and Marshall atolls; maps; many photographs showing surface features and vegetation; bibliography. In Japanese, but with extensive English summary, pp. 183-286.

Taylor, C. R. H.

A Pacific bibliography.

1-492, Wellington, N. Z., 1951 (*Polynesian Soc. Mem.* 24).

A list of 10,000 references, primarily anthropological, but containing much material of various other sorts, a few of the items briefly annotated, classified geographically and by subject; a great many of the papers concerning atolls. Map. LC: Z4501. T3.

Taylor, J. L., et al., editors
Micronesian Monthly.

Processed news leaflet issued by the Headquarters, Trust Territory of the Pacific Islands, mostly of no scientific interest, but occasional notes pertaining to atolls, their people, ecology, etc., especially those of the Marshalls and Carolines. LC:

Taylor, P. G.

Forgotten island.

1-345, London, etc., 1948.

Account of an exploring flight over the south

Pacific, including a long stay on Clipperton; popular description of this island, and various photos illustrating it; a few photos showing Tuamotu atolls from the air. LC: TL721. T35 A3.

Taylor, W. R.

Plants of Bikini and other northern Marshall islands. 1-227, Ann Arbor, 1950.

Detailed description of vegetation and flora of Bikini, Rongelap, Rongerik, and Eniwetok, with many excellent plates and a map of each atoll; bibliography. LC: QK473. M36 T39.

Teall, J. J.

A phosphatised trachyte from Clipperton Atoll. *Quart. Jour. Geol. Soc. London* 54: 230-233, 1898.

Discussion of nature of Clipperton Rock with analyses and petrographic description of specimens.

Teichert, C.

Contributions to the geology of Houtman's Abrolhos, Western Australia.

Proc. Linn. Soc. N. S. W. 71: 145-196, 1947.

General description of the group, with detailed geological study of main islands, one of which, Pelsart Island, is quite low. Some mentions of birds and mangrove on the latter. Maps and photographs; bibliography.

Teichert, C. and Fairbridge, R. W.

Some coral reefs of the Sahul Shelf.

Geogr. Rev. 38: 222-249, 1948.

Geographical and geological account of some atoll-like islands along the northwest coast of Australia, including what information there is on the weather, climate, and surface features. (Adele, Browse, Cartier, and Seringapatam Islands described). Mostly submerged reefs and sand cays. Photos and maps.

Teissier, R.

Etude démographique sur les Etablissements français de l'Océanie de Cook au recensement des 17/18 Septembre 1951.

Bull. Soc. Et. Océan. 9 (1): 6-31, 1953.

Includes population figures for atolls of the Tuamotu and Society groups, compiled from the literature and from 1951 census.

Tengaishei (pseud.)

Voyage to Minamitorishima.

Jour. Geogr. [Tokyo] 14: 683-690, 1902.

In Japanese, includes brief descriptive notes on Marcus. Title in English on cover.

- Tennent, G. J.
Displaying New Guinea to the Philippines.
1-256, Sydney, 1945.
Includes a few photos of war damage on Tara-
wa, with popular text on Gilbert and Ellice
Islands.
- Te Rangi Hiroa
See Buck, P. H.
- Terek, E.
Scientific expeditions.
1-176, Jamaica, N. Y., 1962.
Alphabetical list with such data as purpose,
members, etc. Includes some expeditions to
atolls. LC: Q115. T35.
- Tesch, J. J.
Synopsis of the genera *Sesarma*, *Metasesarma*,
Sarmatium and *Clistocoeloma*, with a key to the
determination of the Indo-Pacific species.
Zool. Meded. Rijks Mus. Leiden 3: 127-260,
1917.
Includes mentions of specimens of shore crabs
from various atolls, e. g., Funafuti, Marshalls,
p. 194.
- Thellung, A.
Die Gattung *Lepidium* (L.) R. Br.
1-340, Zürich, 1906.
Monographic, records *L. owathlense* from
Laysan, and *L. bidentatum* from Malden and the
Tuamotus.
- Theobald, V.
Diptera, Culicidae.
Trans. Linn. Soc. Zool. II, 15: 81-94, 1912.
Systematic account of collections of Percy
Sladen expedition with *Stegomyia fasciata* re-
corded from Amiranter, and *Reedomyia seychel-
lensis* from Dennis I., Seychelles.
- Thilenius, G.
Nord-west Polynesier.
Globus 74: 313-315, 1898.
Visit to Sikaiana in 1898. Brief description of
atoll, mentioning coconut, breadfruit, Hibiscus
and banana. Most of the article is a discussion of
the population of this, and neighboring atolls.
- Ethnographische Ergebnisse aus Melanesien.
I. Reisebericht. Die polynesischen Inseln an der
Ostgrenze Melanesiens. II. Die westlichen Inseln
des Bismarck-Archipels.
- Abhandl. Leop.-Carol. Akad. Naturf. 80: 1-102, 1902;
(II): 103-365, 1903.
Pt. I: Comparison of cultures of Polynesian
Islands in E. Melanesia: Kapingamarangi, Nukuoro,
Tikopia, Nuguria, Liuenina (Ontong Java) and
Sikaiana. Hardly any information on physical en-
vironment, some mention of material culture in-
volving plants. Pt. II: Includes low coral islands
near Admiralty Islands, and atolls and coral islands
west of them, such as Kaniet, Ninigo, Manu, Sae,
Wuwulu, etc. The introductory chapter contains
information on structure, vegetation, flora, and
fauna of these little known islands.
- Thilenius, G. ed.
Ergebnisse der Südsee Expedition 1908-1910.
Hamburg 1914-1938.
I Thilenius, G. and Hellwig, F. E.: Allgemeines,
1927.
II A Melanesia.
II B Micronesia.
6 Krämer, A.: Inseln um Truk 1: 1935
Damm, H. et al.: Inseln um Truk 2: 1935
8 Eilers, A.: Inseln um Ponape, 1934
9 Eilers, A.: Westkarolinen 1: 1935; 2: 1936
10 Krämer, A.: Zentralkarolinen 1: 1937
Damm, H. et al.: Zentralkarolinen 2: 1938
11 Krämer and Nevermann: Ralik-Ratak, 1938
12 Sarfert, E. and Damm, H.: Luangina und
Nakumann 1: 1929; 2: 1931.
For complete references and notes, see under
each author. CY: Nkd 91/913h.
- Thilenius, G.
Results of the South Sea Expedition, 1908-1910.
9 vols. mimeographed, without indication of place
of publication or date. Said to have been prepared
by U. S. Navy.
Translations into English of various parts of
Thilenius 1914-1938. Bish.
- Thilenius, G. and Hellwig, F. E.
Allgemeines: In, G. Thilenius, Erg. Süds. Exp.
I: 1-489, Hamburg, 1927.
General account of expedition, with much in-
formation on geography, some on geology, vegeta-
tion, plants, etc.
- Thomas, O.
Description of two new species of *Pteropus* from the
Caroline Islands.
Proc. Zool. Soc. London 1882: 755-757, 1882.
Pt. *phaeocephalus* from Mortlock Islands and Pt.
breviceps from Ponape and Mortlocks, collected by
Kubary.

Thompson, G. B.

The Hippoboscidae (Diptera) recorded from the Pacific Islands.

Ent. Mo. Mag. 74: 14-17, 43-52, 1938 a.

Includes *Olfersia spinifera*, p. 44, recorded from Laysan, Johnston and Wake.

The Mallophaga (biting-lice) recorded from the Pacific Islands.

Ent. Mo. Mag. 74: 184-189, 202-208, 1938 b;
75: 13-18, 71-76, 120-123, 209-218, 1939.

Includes various records from Clipperton and Laysan.

Mallophaga collected by the Tanager expedition.

Occ. Pap. Bishop Mus. 19: 195-200, 1948.

Includes species from birds collected on Laysan.

Thompson, J.

The Tortugas tern colony.

Bird-Lore 5: 77-84, 1903.

Account of bird life on Dry Tortugas, with brief description of vegetation on Garden Key. Photos.

Thomson, C. G.

Diptera. Species novas descriptae . . .

Eugenies Resa Vet. Iakt. 2: 443-614, 1868.

Three species described, pp. 509, 542, 607, from Keeling Atoll.

Timberlake, P. H.

Descriptions of new genera and species of Hawaiian Encyrtidae (Hymenoptera).

Proc. Hawaiian Ent. Soc. 4: 197-231, 1919.

Includes, p. 203, *Xanthoencyrtus laysanensis*, n. sp., from Laysan.

Records of the introduced and immigrant chalcid-flies of the Hawaiian Islands (Hymenoptera).

Proc. Hawaiian Ent. Soc. 5: 418-449, 1924.

Mentions several species recorded from Midway.

Tinker, S.

Some Marshall Islands fish traps.

Occ. Pap. Bishop Mus. 20: 89-93, 1950.

Includes mention of various plants used to make trap on Likiep.

Tizard, T. H., Moseley, H. N., Buchanan, J. Y., and Murray, J.

Narrative of the cruise of H. M. S. Challenger . . .

Challenger Reports, Narr. 1: 1-1110, 1885.

The only island visited that could qualify as an atoll is Raine I., near Torres Straits, briefly described, pp. 528-531, with emphasis on birds.

Tobin, J. E.

Land tenure in the Marshall Islands.

Atoll Res. Bull. 11: 1-36, 1952.

Includes incidental mentions of economic plants, agriculture, material culture, etc. Some information on bird and turtle reserves in the northern Marshalls.

Tokuda, M.

On some rats and mice from the South Sea Islands (Part I. *Rattus concolor* group).

Annot. zool. Jap. 14: 79-87, 1933.

Mentions specimens of *R. exulans* from the Marshalls.

A revised monograph of the Japanese and Manchou-Korean Muridae.

Biogeographica 4 (1): 1-155, 1941.

Includes *Rattus rattus frugivorus*, and *R. exulans* from the Marshalls. Only reprint seen.

Tolerton, B., and Rauch, J.

Social organization, land tenure, and subsistence economy of Lukunor, Nomoi Islands.

CIMA Rept. 26: 1-209, [1949] (mimeographed).

Contains sections on geography, including climate, and subsistence, including agriculture, the latter with much information on environment; bibliography.

Towns, H. [S.]

Results of an entomological inspection tour of Micronesia.

U. S. Commercial Company Economic Survey of Micronesia 14: 1: 1-53, 1946 (mimeographed).

Gives preliminary lists of insects and certain other arthropods collected on the survey, with hosts; also some notes on economic entomology; a number of Caroline and Marshall atolls were visited.

Townsend, C. H. and Wetmore, A.

Reports on the scientific results of the expedition . . . on the . . . "Albatross" . . . The Birds.

Bull. Mus. Comp. Zool. Harvard 63: 149-225, 1919.

Introduction and field notes by Townsend, include brief descriptions of various Pacific atolls; annotated list of species by Wetmore, includes many atoll species, some of them new.

Trabert, W.

Der tägliche Gang des Barometers zu Jaluit.
Mitt. deutsch. Schutzgeb. 8: 176-180, 1895.

Notes on barometer readings, with tables of atmospheric pressures recorded in 1894.

Der tägliche Gang des Barometers zu Jaluit.
Meteor. Zeitschr. 14: 57-58, 1897.

See Trabert, 1895.

Tracey, J. I., Jr.

Geologic studies of coral atolls.

Atoll Res. Bull. 1: 9-10, 1951.

Discusses directions which future geological research on atolls should take.

The geology of atolls.

Eighth Pac. Sci. Congr. Abstr. 107-108, 1953.

Abstract of paper prepared for symposium, mainly marine geology but makeup of islands mentioned.

Tracey, J. I., Jr., Ladd, H. S., and Hoffmeister, J. E.

Reefs of Bikini, Marshall Islands.

Bull. Geol. Soc. Am. 59: 861-878, 1948.

Marine geology, but contains two excellent aerial photos showing land vegetation.

Trelease, W.

Botany of Caroline Island; in: Holden, Report of the ... American Expedition ...

Mem. Nat. Acad. Sci. 2: 87-90, 1884.

A list of species with a few notes on their occurrence.

Tresilian, F. H.

Remarks on Christmas Island.

Hawaiian Spectator 1: 241-247, 1838.

Geographical data, including notes on fauna, vegetation, soils, etc., partially copied from Cook, but largely original, supplementary to Benson, 1838. Author was castaway on island for seven months.

Trimen, H.

A preliminary list of Maldive plants.

Jour. Bot. 34: 3-6, 1896.

Enumeration of plants, mostly from Male, from various small collections.

Trinius, C. B.

De graminibus panicis--Dissertatio botanica

altera.

1-289, Petropoli, 1826.

Mentions at least one grass, *Panicum sanguinale*, p. 81, from "Radack", collected by "Eschholz. Chamisso". Smi.: Div. of Grasses.

Tristram, H. B.

On the position of the acrocephaline genus *Tatara*
Ibis V, 1: 38-46, 1883 a.

Systematic; includes notes on birds from Fanning Island and neighboring atolls.

Notes on the birds of Fanning Island, Pacific.

Ibis V, 1: 46-48, 1883 b.

Enumeration of species collected by Arundel.

On an apparently new species of duck (*Dafila*) from the central Pacific.

Proc. Zool. Soc. London 1886: 79-80, 1886.

Dafila modesta, sp. nov., from Sidney Island (Phoenix).

Troughton, E. le G.

Three new bats of the genera *Pteropus*, *Nyctimene* and *Chaerophon* from Melanesia.

Proc. Linn. Soc. N. S. W. 56: 204-209, 1931.

Includes *Pteropus howardsi* from Ontong Java.

Tryon, G. W., Jr. and Pilsbury, H. A.

Manual of conchology I.

9: 1887; 10: Philadelphia, 1888. II. Pulmonata.

28 vols., Philadelphia, 1885-1935.

Fundamental monograph of mollusks; series started by Tryon, continued by Pilsbury after 1888; series I includes marine species, vols. 9 and 10 concerning marginal land species. Series II includes many atoll land-species. Smi. Mollusk Div.

Tsuyama, T.

See Tsuyama, T.

Tuckerman, E.

Lichenes; in, U. S. Exploring Exped. XVII Botany Cryptogamia (Gray ed.) 113-162, Philadelphia, 1874.

Enumeration of lichens collected by the Expedition; includes, p. 129, *Ramalina scopulorum*, from Wilson's Islands (Manih), Tuamotus, and, pp. 144-147, several species from Carlschoff (Aratika), one of them, *Placodium paumotense*, described as new. LC: Q115. W6.

Tüllmann, H.

Die Niederschlagsverhältnisse der Südsee-Inseln.

Arch. d. Seewarte 55 (5): 1-71, 1936.

Includes general information for the Pacific Ocean region, on winds and rainfall; some data on various atolls and atoll groups. Tables, charts, bibliography.

Turbott, I. G.

Diets, Gilbert and Ellice Islands Colony.
Jour. Polyn. Soc. 58: 36-56, 1949 a.

Important discussion of food habits and of the plants and animals utilized for food, with tables of average quantities used. Native names for many of these.

The footprints of Tarawa.

Jour. Polyn. Soc. 58: 193-197, 1949 b.

Contains two photographs and a map of Tarawa.

Turner, R. E.

Fossorial Hymenoptera from the Seychelles and other islands in the Indian Ocean.

Trans. Linn. Soc. Zool. II, 14: 367-374, 1911.

Systematic account of collections of Percy Sladen expedition, including several species from atolls.

Tuyama, T.

Plants of Marcus Island.

Jour. Jap. Bot. 14: 425-426, supplement, 554, 1938.

Enumeration of 15 species. Tr.

[Miscellaneous notes on Japanese *Digitaria*].

Jour. Jap. Bot. 18: 6-21, 1942.

Extensive, detailed notes on systematics and occurrence of *Digitaria*. In Japanese. Includes some records from atolls. Tr.

Tweedie, M. W. F.

On the Brachyura of Christmas Island.

Bull. Raffles Mus. 18: 27-42, 1947.

Concerns the Indian Ocean island; records *Gecarcoidea humei* from Clipperton, p. 37. Bibliography.

The fauna of the Cocos-Keeling Islands, Brachyura and Stomatopoda.

Bull. Raffles Mus. 22: 105-148, 1950.

Includes land-crabs but most species are without indication of habitat; bibliography.

Tyler, C. M.

The island world of the Pacific Ocean.

1-337, San Francisco 1885 (reprinted 1887).

Short chapter on flora and fauna of Marshall and Gilbert groups. LC: DU21. T98; DU21. T99.

Ude, H.

Terricole Oligochäten von den Inseln der Südsee und verschiedenen andern Gebieten der Erde.

Zeitschr. wiss. Zool. 83: 405-501, 1905.

Notes on anatomy and systematics; includes *Pheretima recta* from Jaluit, p. 432, and in key, p. 483. Bibliography.

Beiträge zur Kenntnis der Gattung *Pheretima* und ihre geographischen Verbreitung.

Arch. f. Naturg. n. f. 1: 114-190, 1932.

Systematic, with notes on distribution; includes *Pheretima (Pheretima) taitensis*, from Niau, the Marshalls and Steward Island (Sikayana).

Uehara, T.

[A kite made of the leaf of *Artocarpus* in Tobu].

Kagaku Nanyō 4 (2): 63-64 (159-160), 1941.

Describes mode of fishing with a leaf kite. Mentions abundance of coconut palms and phosphate exploitation. Tr. Takeda.

Umbgrove, J. H. F.

De Koraaalriffen der Duizend-Eilanden (Java-zee).

Dienst Mijnb. Ned.-Ind. Wetens. Med. 12: 1-47, 1929.

Mostly marine geology, but observations and theories about the geomorphology of the islands. In Dutch, but with full English summary. Bibliography, maps, photographs, aerial photos with overlays.

Coral reefs of the East Indies.

Bull. Geol. Soc. Am. 58: 729-777, 1947.

Mainly marine geology, but with some information on the building of land islets, geographical information on East Indian atolls, maps, photographs.

Structural history of the East Indies.

1-62, Cambridge, England, 1949.

Includes some information on the atolls of the region, especially Duizend Eilanden and Tijger Atoll. Maps, photos. LC: QE301. A1 U5.

U. S. Army Air Forces. Weather Information Branch.

Climate of Ujelang Atoll (Marshall Islands).

Gal. Climatic Inf. Guide 103; [4 pp. unnumbered].

Washington, D. C., 1944.

Includes brief summary of climate, diagrams, map.

U. S. Commercial Company,
Economic survey of Micronesia.
Honolulu, 1946-1947.

A series of unpublished reports, some of them cited here by authors. Microfilm of the series in various libraries, including LC: Microfilm HC-2.

U. S. Geological Survey
Ponape, including Pakin and Ant Islands (Caro-
lines). Terrain Intelligence.
Strat. Eng. Study 109; 1-63, 1944 a.

Well illustrated discussion of topography, vege-
tation and climate.

Nomoi, Nukunoro and Kapingamarangi Islands
(Carolines). Terrain Intelligence.

Strat. Eng. Study 107; 1-21, 1944 b.

Fully illustrated discussion of terrain, climate
and vegetation of these atolls from a military
viewpoint, with maps.

Certain western Carolines. Terrain Intelligence.
Strat. Eng. Study 111; 1-33, 1944 c.

Fully illustrated discussion of terrain, climate
and vegetation from a military viewpoint, with
maps. Includes atolls west of Truk, excluding
those southwest of Palau.

U. S. Hydrographic Office
Sailing directions [exact titles vary].
60 vols., Washington, various dates.

Hydrographic Office Publications, numbered,
but not consecutively, being continually revised
and new editions issued but always under the
same series numbers, also with numerous supple-
ments and changes. Give brief geographical de-
scriptions of practically all islands, often includ-
ing remarks on vegetation; principally useful in
determining exact location and general character
of islands. Nos. 84, 125, 126, 128, 129, 130,
159, 160, 161, 162, 163, 164, 165, 166, 169,
and 170 may have information needed in relation
to atolls. Similar series issued by English, French,
and Dutch hydrographic offices, all four utilizing
data exchanged with others.

Sailing directions for the West Indies.

I. The Bermuda Islands, Bahama Islands and

Greater Antilles. Section A; 1-450, 1936 (first
edition).

II. The Lesser Antilles and the coast of Venezuela;
1-416, 1937 (first edition).

Give some geographical information on atolls,
including data on vegetation and water supply, as
well as exact locations and topographic character-
istics. LC: VK971. U7, 1936, 1937.

U. S. Hydrographic Office
Sailing directions for east coasts of Central America
and Mexico

1-382, Washington, 1939 (fourth edition).

Contains geographic information on the various
atolls or atoll-like islands or cays in the western
Caribbean and southwestern Gulf of Mexico, in-
cluding data on vegetation, water supply and topog-
raphy, as well as exact locations. LC: VK969. U6,
1939.

Weather summary for naval air pilot . . . Southwest
Pacific. West Pacific. South Pacific.

H. O. Pub. Nos. 272, 273, W-271, Washington,
1943a-1944.

These publications include much useful informa-
tion on climate and weather in the Pacific Ocean,
with summaries of data available for atolls and 5°
square ocean areas. Information on typhoons.

Gazetteer [of the Pacific Islands].

Nos. 1-7, Washington, 1943b-1944 (edition 2, H.
O. Pub. nos. 881, 882, 883, 884, 885, 886,
887).

Give place names and latitude and longitude,
with some synonymy, for the various island groups
and regions of the Pacific, with general maps of
areas covered. LC: G103. U55.

Caroline, Marianas, Marshall and Gilbert Islands.
Gazetteer no. 6; 1-133, 1944 (edition 2, H. O.
Pub. no. 886).

List of names of islands and geographic features,
with latitude and longitude.

References on the physical oceanography of the
western Pacific Ocean.

1-174, Washington, 1946 (H. O. Pub. 238).

Unannotated but cross-indexed bibliography con-
taining some references pertinent to land geology
and meteorology of atolls. LC: Z6004. P6 U4.
Reprinted with deletions, 1953. LC: Z6004. P6 U4,
1953.

U. S. Hydrographic Office

Atlas of surface currents, northwestern Pacific Ocean.

Sheets 1-12, Washington, 1950 (H. O. Pub. No. 569, reprint of H. O. Misc. 10, 058, 1944).

Monthly charts showing mean strength and direction of currents by 1° and 5° quadrangles, as well as 5° mean isotherms, based on observations made up to 1935. LC: Map Div.

Sailing directions. The Pacific Islands.

3 vols., Washington, 1952 (H. O. Pub. Nos. 165A, 165B, 166).

Give brief geographical descriptions of practically all islands, often including remarks on vegetation, principally useful in determining exact location and general character of islands. LC: VK917. U7, 1952.

U. S. National Museum

The United States National Museum. 1953 Annual Report.

1-97, Washington, 1953.

Includes information on botanical and zoological collections received from atolls.

U. S. Navy

Military government handbook. Marshall Islands. 1-113, Washington, 1943; OPNAV 50E-1.

General compilation on geography and anthropology including treatments of climate, water supply, soils, fauna, flora, etc. Map. LC: DU710. U5, 1943.

Civil affairs guide. Agriculture in the Japanese Mandated Islands.

1-47, Washington, 1944 a; OPNAV 13-17.

Summary of geography, soils, climate, etc., as affecting agriculture in the Micronesian region, including some data on Marshall and Caroline Atolls, with information on actual state of agriculture and crops raised during Japanese rule.

Civil affairs handbook - East Caroline Islands.

1-213, [Washington], 1944 b; OPNAV 50E-5.

Comprehensive compilation on geography, resources, and anthropology of islands, including atolls, from Puluwat east; map, photographs, bibliography. LC: DU565. U52, 1944.

Civil affairs handbook - West Caroline Islands.

1-222, [Washington], 1944c; OPNAV 50E-7.

Comprehensive compilation on geography, resources, and anthropology of islands, including atolls, west of Puluwat; map, photographs, bibliography. LC: DU565. U5, 1944.

U. S. Navy

Civil affairs studies II. The languages of the Japanese Mandated Islands.

1-47, [Washington], 1944d; OPNAV 50E-15.

Contains word lists from Marshalls and certain atolls of the Carolines, including plant and animal names.

Civil affairs handbook. Marshall Islands statistical supplement.

1-38, Washington, 1944 e; OPNAV 50E-18.

Synopsis of geographical and anthropological information, apparently based largely on OPNAV 50E-1 (see U. S. Navy, 1943). LC: DU710. U5, 1943 suppl.

Base facilities summary--advance bases--Central Pacific Area.

1-242, [Pearl Harbor], 1945 a.

Contains some general geographical information on the "Line Islands" (Christmas, Johnston, Palmyra, Canton, Midway), Marshalls, Gilberts, and Ulithi; information on water supply; maps.

Climatology and oceanography of the western Pacific.

CINCPAC-CINCPOA Bull. 4-45, 2 vols., 1: [1-144]; 2: 1-150, 1945 b.

Tabular compilation of climatic data, including that for the areas of the East Indian, South China Sea, Melanesian, and west Caroline atolls, as well as Marcus, Eniwetok, and Midway, with remarks on typhoons in introductions to both volumes.

Guide to the western Pacific. Ed. 2.

CINCPAC-CINCPOA Bull. 126-44; 1-140, 1945 c (ed. 1, 1944).

General, popular account, touching on the geography, people, diseases, climate, plants, and animals of atolls of the Gilberts, Marshalls, Carolines, Wake, and Marcus, but very superficially and not too accurately. Maps.

Building the Navy's bases in World War II.

2 vols., Washington, 1947.

Historical account. Vol. 2 contains chapters on

the Pacific, including brief descriptions of various central Pacific, Hawaiian and Micronesian Atolls. Unimportant. Maps and photographs. LC: D795. U6 A48.

U. S. Navy

Handbook of the Trust Territory of the Pacific Islands.

1-311, Washington, 1948 a.

Comprehensive discussion of society and economics of Micronesian Islands, including atolls, with chapter on natural resources and utilization; map; photographs. LC: DU500. S8.

Trust Territory of the Pacific Islands.

1-165, 1948 b; 1-83, 1949; 1-163, Washington, 1950.

Statements prepared by Administration for United Nations, contain general geographic and economic information with estimates of natural resources for territory including atolls; pictorial supplement contains several photographs of atoll scenes. LC: DU500. U42.

Information on the Trust Territory of the Pacific Islands under naval administration to 1 November 1950.

1-45, Pearl Harbor, [1951?].

Mostly political, social and economic, but with meager information on geography and vegetation and a number of photographs of Caroline Atolls; map.

[U. S. Navy], Chief of Naval Operations: Aerology Section.

A climatic summary of Wake Island.

1-13, Washington, 1944.

Brief geographic summary, notes on vegetation; all general aspects of weather and climate discussed in more detail, with general and monthly tabular summaries of available data, wind roses and small outline map.

[U. S. Trust Territory of the Pacific Islands].
Basic information.

1-174, Pearl Harbor, 1951.

Series of essays by various authors not listed separately here, on geography and native life in Micronesia. Prepared for guidance of the staff of the High Commissioner. LC: DU500. A52.

U. S. War Dept.

Medical and sanitary data on the Palau Islands.

War Dept. Tech. Bull. TB MED 41; 1-18, 1944 a.

Includes scattered mentions of diseases in the Marshall Islands. Brief notes on water supplies of Helen Reef, Merir, Pulo Ana, Sonsorol and Tobi.

U. S. War Dept.

Medical and sanitary data on the Caroline Islands.

War Dept. Tech. Bull. TB MED 50; 1-19, 1944 b.

Includes general information for the group on animals injurious to man, foodstuffs, diseases, etc. Table of water supply of the various islands including individual atolls.

Medical and sanitary data on the Izu, Bonin, Kazan and Marcus Islands.

War Dept. Tech. Bull. TB MED 83; 1-18, 1944 c.

Includes bits of information on water supply and population on Marcus.

Medical and sanitary data on the Marshall Islands.

War Dept. Tech. Bull. TB MED 111; 1-16, 1944 d.

Includes information on water supply, animals injurious to man, foodstuffs, diseases. Table of water supply for individual atolls.

Medical and sanitary data on Paracel Islands.

War Dept. Tech. Bull. TB MED 152; 1-8, 1945 a.

Brief description of islands, notes on water supply, animals injurious to man, plants, foodstuffs. Bibliography.

Medical and sanitary data on Pratas Island.

War Dept. Tech. Bull. TB MED 146; 1-5, 1945 b.

Includes information on island, its water supply, animals injurious to man, etc. Bibliography.

Medical and sanitary data on the Gilbert and Ellice Islands, Ocean Island and Nauru.

War Dept. Tech. Bull. TB MED 189; 1-24, 1945 c.

Compilation of data on water supply, animals injurious to man, foodstuffs, population, diseases. Bibliography.

U. S. Weather Bureau

Weather guide for long range planning, Jaluit, Marshall Islands.

1-8, [Washington?], 1943.

Graphic summaries of all weather elements, principally for Jaluit, but with supplementary data from several northern Marshall Islands; based on

German and Japanese observations. One typhoon noted, June 30, 1905, Jaluit.

U. S. Weather Bureau

Weather conditions in the Marshall Islands with special emphasis on the Eniwetok area.

Air Weather Service U. S. A. F. Spec. Study 40: 1-22, Washington, 1948.

Includes data for Ujaelang and Eniwetok.

Climatological data -- Hawaii.

45 (7): 37-47, San Francisco, 1949.

Continuing, earlier volumes not mentioning atolls. This number includes Canton, Palmyra and Wake. Subsequent ones include Canton, Wake, Midway, Marcus, Eniwetok, Kwajalein. Issued monthly, with annual summary. LC: QC993.H2 A35. WB: C/nc 200 AO-3.

Climatological data. National summary.

1-4 (1950-1953): Washington, Asheville, 1950-1954.

"Pacific area" includes Canton and Wake Islands. GS: P (200) q A39 cin.

Local climatological summary ... Wake Island, Pacific.

1950: [1-3], 1951; 1951: [1-4], 1952.

Include data for current year, and summary of means and extremes for period of record (1935-1941, 1946-date).

Monthly climatic data for the world.

Dec. 1953: 6 (12): 1-19, Asheville, 1954.

Includes data on atolls, e. g. Midway, Marcus, Minicoy, etc.

Uphof, J. C. T.

A review of the species of *Crinum*.

Herbertia 9: 63-84, 1942.

Mentions, without comment, *C. bakeri*, described from the Marshall Islands, but with erroneous reference to place of publication.

Upton, W.

The meteorology of Caroline Island; in, Holden, Report of the ... American Expedition Mem. Nat. Acad. Sci. 2: 41-87, 1884.

Contains much carefully recorded data on pressure, temperature, rainfall, wind, relative humidity, solar radiation, etc.

Uren, M.

Sailormen's ghosts.

1-253, Melbourne, 1940.

Popular account of the history of Peisart group (Houtman's Abrolhos). Includes some descriptive notes, and mentions of birds; mostly interesting for its photographs, taken during author's visit to the group in 1939. LC: DU380.A2 U7.

Usinger, R. L.

Two new Pacific Island species of *Nysius* (Lygaeidae, Hemiptera).

Proc. Hawaiian Ent. Soc. 9: 439-443, 1937.

Nysius picipes from Wake, *N. oceanicus* from Jarvis.

Distribution of the Heteroptera of Oceania.

Proc. 6th Pac. Sci. Cong. 4: 311-315, 1940.

General, but mentions the occurrence of various groups on certain Polynesian and Micronesian Atolls and absence of others.

The genus *Oechalia* (Pentatomidae, Hemiptera).

Proc. Hawaiian Ent. Soc. 11: 59-93, 1941.

Notes on distribution, biology, taxonomy; includes *O. consocialis*, recorded from Fanning, Christmas, Wake, Ducie, Oeno, Fakarava.

Heteroptera of Canton Island.

Proc. Hawaiian Ent. Soc. 12: 147-148, 1944.

Cyrtorhinus zwaluwenburgi, n. sp.

Heteroptera of Guam.

Bishop Mus. Bull. 189: 11-103, 1946.

Mentions *Nysius picipes* from Wake, p. 27.

War-time dispersal of Pacific island *Nysius* (Hemiptera: Lygaeidae).

Proc. Hawaiian Ent. Soc. 13: 447, 1949.

New records for various species from Johnston, Eniwetok and Wake Islands.

Heteroptera of the Marshall Islands.

Proc. Hawaiian Ent. Soc. 14: 315-321, 1951.

Enumeration of species collected on Arno, Majuro and Kwajalein; includes mentions of plants. The table of distribution includes other atolls: Wake, Tuamotu, Line Islands.

Usinger, R. L.

New species and additional records of Heteroptera from the Marshall Islands.

Proc. Hawaiian Ent. Soc. 14: 519-524, 1952.

Systematic and distributional, supplementary to Usinger, 1951.

 Suggestions for collecting terrestrial invertebrates on Pacific islands.

Atoll Res. Bull. 17: 69-72, 1953.

Discusses occurrence, methods of collection and preservation, storage and shipment, and equipment needed.

Usinger, R. L., and La Rivers, I.

The insect life of Arno.

Atoll Res. Bull. 15: 1-28, 1953.

An ecological study with especial reference to insects and other land invertebrates, with descriptions of habitats, animal communities, food relationships, and remarks on probable origin of biota.

Utinomi, H.

Bibliographia Micronesica Scientiae naturalis et Cultus.

1-208, Tokyo, 1944.

Introduction in Japanese, references in language of publication. LC: Orient. Jap. Reference.

 Bibliography of Micronesia

1-157, Honolulu, 1952.

A revision and translation of Utinomi, 1944, under the editorship of O. A. Bushnell, with the help of various translators and scientists from the University of Hawaii. Contains a list of publications cited, with the abbreviations, transliterations and translations used in the text. LC: Z7408. M5 U33.

Valenziani, C.

La renaissance démographique en Océanie française.

1-216, Rome, 1940.

The statistical part includes population figures for the Tuamotus. LC: HB3694. P6 V3.

 Enquête démographique en Océanie française.

Bull. Soc. Et. Océan. 7 (17-18): 658-684, 1949.

Includes some notes on population changes in the Tuamotus as a whole, and some population figures for them.

Van Deburgh, J. and Slevin, J. R.

Reptiles and amphibians of the islands of the west coast of North America.

Proc. Calif. Acad. Sci. IV, 4: 129-152, 1914.

Includes *Emoia arundellii*, p. 150, from Clipperton Island. (Mostly abundant on the rock rather than on the rest of the island).

Vanderbilt, W. K.

Taking one's own ship around the world.

1-264, N. Y., 1929.

Account of voyage, including stops at several Marshall Atolls, few notes of importance, but mentions seeing wild pigs on Killi. Insignificant notes on Caroline Atolls. Chart of voyage. LC: G440. V2.

Van Duzee, E. P.

A second report on Hemiptera-Heteroptera from the Marquesas.

Bishop Mus. Bull. 114: 313-326, 1934.

Includes *Oechalia consocialis* recorded from Fanning.

 The Hemiptera of the Templeton Crocker expedition to Polynesia in 1934-1935.

Proc. Calif. Acad. Sci. IV, 22: 111-126, 1937.

Includes *Oechalia consocialis* from Ducie.

Van Dyke, E. C.

Rhyncogonus of the Mangarevan expedition.

Occ. Pap. Bishop Mus. 13: 89-129, 1937.

R. vagus described from Fanning I., and *R. fobergi* from Christmas I.

Vanhöffen, E.

Bericht über die bei der deutschen Tiefsee-Expedition beobachteten Vögel.

Jour. f. Ornith. 49: 304-322, 1901.

Notes on birds observed and collected during the "Valdivia" expedition, describing habitat; birds collected on or near Cocos-Keeling, Suwadia, Diego Garcia, Amirantes; see also Reichenow, 1900 and 1904.

Van Zwaluwenburg, R. H.

Check list of the Elateridae of Oceania.

Occ. Pap. Bishop Mus. 9 (23): 1-28, 1932 a.

Several species recorded from Pacific atolls. Bibliography.

 Elateridae of the Marquesas, with a new species from Fiji.

Bishop Mus. Bull. 98: 129-143, 1932 b.

Includes *Conoderus pallipes* recorded from Ellice, Gilberts, Palmyra, Washington and Fanning.

Van Zwaluwenburg, R. H.

New species and new records of elaterid beetles from the Pacific.

Occ. Pap. Bishop Mus. 16: 91-130, 1940.

Includes, p. 122, *Conoderus pallipes* from Timoe.

Canton Island.

Hawaiian Pl. Rec. 45: 15-24, 1941.

Good description of island, with emphasis on vegetation, fauna, flora, ecology; photographs, bibliography, map.

Notes on the temporary establishment of insect and plant species on Canton Island.

Hawaiian Pl. Rec. 46: 49-52, 1942.

Brief notes on climate and vegetation, with insects and plants established, and a list of seeds found in drift; photographs of vegetation.

The insects of Canton Island.

Proc. Hawaiian Ent. Soc. 11: 300-312, 1943.

Enumeration of species with notes on ecology and origin; some of these species mentioned also in brief notes, pp. 148 and 264.

Pachodynerus nasidens (Latreille).

Proc. Hawaiian Ent. Soc. 13: 202, 1948 a.

Reported from Canton Island.

A termite on Canton Island.

Proc. Hawaiian Ent. Soc. 13: 207, 1948 b.

Mentions and discusses the description of a termite from Canton (see Kelsey, 1943).

New species and new records of elaterid beetles from the Pacific III.

Proc. Hawaiian Ent. Soc. 13: 265-276, 1948 c.

Systematic enumeration, includes *Simodactylus lineatus*, n. sp., from Nukuoro, p. 269, and records of other species from Wake, Eniwetok, Ulithi.

Agonoxena argaula Meyrick.

Proc. Hawaiian Ent. Soc. 13: 334, 1949 a.

Mentions records of this coconut pest from Ellice Islands and Palmyra.

Van Zwaluwenburg, R. H.

Notes on parasites of *Agonoxena argaula* Meyrick. Proc. Hawaiian Ent. Soc. 13: 447-448, 1949 b.

A. argaula mentioned from Ellice Islands and Palmyra.

Vaughan, R. E.

The Museum.

Rept. Mauritius Inst. 1939-40: 6-10, 1941.

Chairman's report, includes information on collection of land shells received from Diego Garcia.

Vaughan, T. W.

The building of the Marquesas and Tortugas atolls and a sketch of the geologic history of the Florida reef tract.

Carnegie Inst. Pub. 182: 55-67, 1914.

Mainly marine geology, contains a little information on the materials making up the debris on Tortugas.

Venner, R. B.

Filarial problem on Nanumea.

U. S. Naval Med. Bull. 43: 955-963, 1944.

Report of a survey of microfilariae incidence in natives of Nanumea, Ellice Islands, and of presence and habits of mosquito vectors. Includes information on water supply.

Verhoeff, K. W.

Ueber einige ostasiatisch-oceanische Chilognathen gesammelt von Herrn Y. Takakuwa in Tokyo. Trans. Sapporo Nat. Hist. Soc. 14: 226-235, 1936.

Describes *Marshallbolus takakuwai*, n. g., n. sp., from the Marshalls; two other species mentioned.

Zur Kenntnis der Rhinocricidae.

Zool. Anz. 118: 90-102, 1937.

Notes on anatomy and systematics; includes a paragraph on *Marshallbolus*, p. 102.

Ueber Diplopoden des zoologischen Museums in München.

Zool. Jahrb. Syst. 71: 1-54, 1938 a.

Trigonululus (*Marshallbolus*) *takakuwai*, n. comb., p. 42.

Ueber einige polynesische Oniscoideen von Prof.

- Sixten Bock's Pazifik-Expedition 1917-1918.
Ark. Zool. 30 A (16): 1-14, 1938 b.
Includes *Melanesillo bocki*, n. g., n. sp.,
from Jaluit, p. 5, and *Neosidillo bocki* from
Aranka (Gilberts), p. 10.
- Verwey, J.
Coral reef studies. III. Geomorphological notes
on the coral reefs of Batavia Bay.
Treubia 13: 199-216, 1931.
Interesting observations on formation of islands
on reefs, dealing with Dapur and Edam, as well
as with the reefs in the Bay of Batavia, proper;
comments on Umbgrove's theories on origin of
Duizend Ellanden; bibliography, maps, dia-
grams, and photos.
- Vesey-FitzGerald, D.
Notes on some Coccinellidae (Col.) from islands
in the Indian Ocean.
Bull. Ent. Res. 31: 191-192, 1940 a.
Rodolia chermesina reported from the Sey-
chelles, including the Amirantes, preying on
Icerya seychellarum, a coconut pest.
-
- The control of coccidae on coconuts in Sey-
chelles.
Bull. Ent. Res. 31: 253-286, 1940 b.
Records *Chrysomphalus ficus* from Farquhar,
Desroches and Darros, and mentions that it has
a chalcid parasite.
-
- The birds of the Seychelles. --I. The endemic
birds.
Ibis XIV, 4: 480-489, 1940 c.
Includes some records from Alphonse, Astove
and Cosmoledo.
-
- Melittomma insulare*, Fairm. (Col. Lymexylo-
nidae), a serious pest of coconut in the Seychelles.
Bull. Ent. Res. 31: 383-402, 1941 a.
Mentions record (Scott, 1933) from Desroches,
which could not be confirmed by author in spite
of extensive search of island.
-
- Some insects of economic importance in Seychelles.
Bull. Ent. Res. 32: 153-160, 1941 b.
Includes *Stenocranus* sp. from Alphonse Island,
p. 154, *Cratopus adpersus* from Bird, p. 156,
and *Megommata seychelli* from Denis, p. 159.
- Vesey-FitzGerald, D.
Further contributions to the ornithology of the
Seychelles Islands.
Ibis XIV, 5: 518-531, 1941 c.
Enumeration of species, with notes on habits,
mentioning many records from atolls of the south-
west Indian Ocean.
-
- Further studies of the vegetation on islands in the
Indian Ocean.
Jour. Ecol. 30: 1-16, 1942.
First part includes description of plant communi-
ties found in the islands; second part includes de-
scription of vegetation of the individual islands, in-
cluding Astove, Cosmoledo, and St. Pierre. Map.
-
- Reptiles and amphibians from the Seychelles
archipelago.
Ann. Mag. Nat. Hist. XI, 14: 577-583, 1947.
Includes *Mabuya seychellensis*, recorded p. 580
from Dennis and the Amirantes; table, p. 581, adds
Bird Island as locality for this species and notes pre-
sence of coconuts on all three islands.
-
- Nesting habits of some aculeate Hymenoptera in
the Seychelles.
Proc. Ent. Soc. London A. 25: 75-80, 1950.
Includes, p. 75, incidental records from Gorio-
so, Alphonse and Farquhar.
-
- Viader, R.
Revised catalogue of the testaceous Mollusca of
Mauritius and its dependencies.
Mauritius Inst. Bull. 1 (2): 1-111, 1937.
Includes historical summary of collections and
systematic treatments, and, pp. 71-101, enumera-
tion of land species, but without indication of local-
ities. Map.
-
- Viette, P. E. L.
Catalogue of the heterocerous Lepidoptera from
French Oceania.
Pac. Sci. 3: 315-337, 1949.
Check-list, including records from the Tuamotus.
Extensive bibliography.
-
- Lépidoptères rhopalocères de l'Océanie française:
in, Faune de l'Empire français, XIII: 1-101, Paris,
1950.
Monographic, with extensive bibliography; in-
cludes, p. 83, *Precis villida* subsp. *longfieldia*

- from Disappointment Island (Napuka). LC: QL559. O3 V5.
- Vigors, N. A.
Ornithology: in, Beechey, *The zoology of Captain Beechey's voyage . . .*, 13-40, 1839.
Includes some sea birds observed near or on atolls, mostly Tuamotus.
- Villaret, B.
Climatologie médicale des Etablissement français d'Océanie.
1-48, Paris, 1938.
Includes unimportant general notes on climate of Tuamotus, some population figures and information on health conditions. Paris: AGOM.
- Villiers, A. [J.]
The Coral Sea.
1-310, N. Y., Toronto, 1949.
Account of discovery and travel in the Pacific. Includes historical information on atolls of the western Pacific; pp. 3-6, some notes on Bramble Haven. Bibliography. LC: DU490. V55.
-
- Monsoon seas, the story of the Indian Ocean.
1-337, N. Y., London, Toronto, 1952.
A popular account, with much well written historical background; odd bits of information on most of the Indian Ocean atolls, with a chapter on the history of Cocos Keeling, and an account of a shipwreck on Pelsart which gives some geographical information. LC: D27. V5.
- Vinson, J.
Les coccinelles des îles Mascareignes.
Rev. Agr. Maurice 85: 19-28, 1936.
Includes records from atolls of southwest Indian Ocean.
- Virgin, C. A.
See Anon. 1857 and Skogman, 1856.
- Visher, S. S.
Tropical cyclones in Australia and the south Pacific and Indian oceans.
Monthly Weather Rev. 50: 288-295, 1922 a.
Includes information on cyclones that may have affected atolls, with charts of their tracks.
-
- Notes on typhoons, with charts of normal and abnormal tracks.
Monthly Weather Rev. 50: 583-589, 1922 b.
Includes information on typhoons which affected atolls (Marshalls, Gilberts, Ellice).
- Visher, S. S.
Tropical cyclones of the Pacific.
Bishop Mus. Bull. 20: 1-163, 1925 a.
Monographic treatment of subject, including information on effects, with references to and lists of cyclones that affected atolls. Bibliography. Separate LC: QC948. V5.
-
- Tropical cyclones and the dispersal of life from island to island in the Pacific.*
Am. Nat. 59: 70-78, 1925 b.
Mentions examples of animal introductions by storms on Cocos-Keeling.
- Voelcker, A.
On phosphatic guanos.
Jour. R. Agr. Soc. II, 12: 440-459, 1876.
Series of results of guano analyses, made on samples from various regions, including atolls, e. g. McKean, Baker, Howland, Jarvis, Flint, Malden, Enderbury, Starbuck. Some other islands mentioned may be atolls but are difficult to identify with certainty. See Hutchinson, 1950.
- Volkens, G.
Skizzen von einer Reise nach den Karolinen und Marianen.
Gartenfl. 50: 453-463, 1901.
Popular account of author's trip to Micronesia; includes brief mention of Marshall Islands.
-
- Die Flora der Marshall-Inseln.*
Notizbl. 4: 83-91, 1903.
Annotated list of plants from several collections with some records from the Gilberts.
-
- Beiträge zur Flora von Mikronesien. I.*
Bot. Jahrb. 52: 1-18, 1914.
Systematic. Different groups treated by various authors. Parts II to V by Diels, 1921 to 1938.
- Votaw, H. C.
Wake Island.
U. S. Naval Inst. Proc. 67: 52-55, 1941.
History of the atoll.
- Waesche, H. H.
An equatorial cruise.
Volcano Letter 461: 1-5, 1938.
Account of a trip to equatorial atolls with brief stops at Howland, Baker, Enderbury, Canton,

- Jarvis and Palmyra. Most of the information is compiled, with sources cited.
- Wahlen, H. R.
I repopulated the Ninigos.
Pac. Is. Mo. 22 (10): 71, 77-79, 1952.
Reminiscences of a former German planter and trader in the Hermit, Anchorite, and Ninigo groups, principally concerning population problems; mentions Maty and Durour.
- Waite, E. R.
The mammals, reptiles and fishes.
Australian Mus. Mem. 3: 163-201, 1897.
Based on Hedley's collections in Funafuti.
Pp. 166-176, detailed discussion of only native mammal, Polynesian rat. Pp. 178-180, records a turtle and four lizards.
- Walker, E. H.
A subject index to Elmer D. Merrill's "A botanical bibliography of the islands of the Pacific."
Contr. U. S. Nat. Herb. 30: 323-404, 1947.
See Merrill, 1947.
- Walker, J.
The bird-life of Adble Island, north-west Australia.
Ibis VI, 4: 254-261, 1892.
Island visited by H. M. S. Penguin in 1891.
Includes brief description of aspect of island, vegetation, notes on flora and fauna with emphasis on birds and their habits.
- Walker, J. J.
The geographical distribution of *Danaida plexippus* L. (*Danais archippus*, F.) . . .
Ent. Mo. Mag. 50: 181-193, 224-237, 1914.
Notes on the migrations of the species, and its extension to various islands, together with its food plant, *Asclepias*. On p. 193, records the butterfly and the plant from Cocos-Keeling. On pp. 188-189, mentions that it does not seem to be recorded yet from Gilbert, Ellice, Marshall or Caroline Islands.
- Walker, L. W.
The black gooney. The white gooney.
Nat. Hist. 54: 370-372, 374-376, 1945.
Popular notes on birds on Laysan. Photos.
- Fairy terns of the atolls.
Nat. Geogr. Mag. 90: 897-814, 1946.
Notes on habits of fairy terns on Midway, with some excellent photographs.
- Wallengren, H. D. J.
Lepidoptera. Species novas descriptae . . .
Eugenies Resa Vet. Iakt. 2: 351-390, 1861.
Conchylisospila simoniella described, p. 388, from Keeling Atoll.
- [Wallis, S.]
An account of a voyage round the world in the years 1766, 1767 and 1768; in, Hawkesworth, 1: 140-522, 1773.
Wallis discovered several of the Tuamotus, and gives brief descriptions of them; mentions seabirds observed near or on them.
- Warburg, O.
Ueber Verbreitung, Systematik und Verwerthung der polynesischen Steinmass-Palmen.
Ber. deutsch. Bot. Ges. 14: 133-144, 1896.
Discussion of the genus *Coelococcus*, mentioning that it certainly does not occur in the Marshalls but might be found in the Gilberts or Ellice (which it is not).
- Pandanaeae.
Pfl. 3 (IV. 9): 1-97, 1900.
Monographic. Includes species from atolls, e. g. several varieties of *P. tectorius* from the Marshalls.
- Warburton, C.
The Acarina of the Seychelles.
Trans. Linn. Soc. Zool. II, 15: 349-360, 1912.
Systematic, records, p. 360, the dog tick, *Rhipicephalus sanguineus*, from Providence Atoll.
- Ward, H. A.
The West Indian seal (*Monachus tropicalis*).
Nature, 35: 392, 1887.
Brief mentions of collection of specimens of seals on Los Triangulos.
- Ward, M.
Notes on the Crustacea of the Desjardins Museum, Mauritius Institute with descriptions of new genera and species.
Mauritius Inst. Bull. 2 (2): 49-113, 1942.
Includes records of land crabs from various atolls in the Chagos Archipelago; two new species of *Geograpus* described from Salomon Atoll, pp. 105-106.
- Warner, H. H.
University in the South Pacific.

- Parad. Pac. 51 (12): 74-75, 1939.
Brief popular description of Canton Island with especial reference to University of Hawaii Extension Service agricultural project; several photographs; several wild and cultivated plants mentioned; brief description of vegetation on Canton, Enderbury, Jarvis, and Baker.
- Watase, J.
[Plant collecting in the South Seas].
Trans. Sapporo Nat. Hist. Soc. 6: 75-76, 1915.
In Japanese. Includes a brief paragraph on Jaluit, unimportant. Tr. Takeda.
- Waterhouse, C. O.
Coleoptera; in, Report... of the 'Alert'
576, 1884.
Three species found on Amirantes Islands, one of them new, *Cratopus adpersus*; see Günther, 1884, and Coppinger, 1883.
- Waterhouse, G. R.
Mammals; in, Darwin, Zool. Beagle 2: 1-97, 1838-1839.
Includes, p. 32, 1838, *Mus decumanus* from Keeling I.
- Watson, J. B.
The behavior of noddy and sooty terns.
Carnegie Inst. Pub. 103: 187-255, 1908.
Observations on birds on Dry Tortugas, and descriptions of various experiments; includes incidental mentions of plants, descriptions of islets and photos showing vegetation.
- Weber, M.
Siboga-Expeditie; I. Introduction et description de l'expédition.
1-159, Leiden, 1902.
Mainly marine zoology and oceanography, but with much geographical information on many islands, with occasional remarks, e. g. p. 100, on atolls and atoll-like islands, also information bearing on whether or not certain islands are of this nature. Chart of route of expedition, which was entirely in East Indies; many photographs.
LC: Q115. S56.
- Webster, G. L.
The Polynesian species of *Myoporum*.
Pac. Sci. 5: 52-76, 1951.
Systematic, mentions *M. euphrasioides*=*Nesogenes euphrasioides*, from Pinaki, Tuamotus.
- Webster, J.
The last cruise of the "Wanderer."
1-128, Sydney, [1851].
Includes notes on coconut vegetation in the Gilberts (especially Nukunau), mentions coconut as economic plant, mosquitoes, and brackish wells; description of Stewart Island (Sikaiana) including geographic data, vegetation, fauna, etc. Bish.: DU12. W38.
- Weckler, J. E., Jr.
Polynesians. Explorers of the Pacific.
Smi. War Backgr. St. 6: 1-77, 1943.
General information on Polynesians, their history and culture. Includes notes on atolls, and photos of the Tuamotus.
- Land and livelihood on Mokil.... Part I.
CIMA Rept. 11: 1-147, 1948 (duplicated).
Mainly economic and social, but with incidental references to geography and natural resources; bibliography. For part II see Bentzen 1949. LC: DU568. M6 W4.
- Wees, M. P.
King-doctor of Ulithi.
1-128, N. Y., 1950.
Popular account of experiences of an American naval doctor, with some incidental and not always too accurate information on natural history and general environmental conditions on the atoll; good information on diseases current among the natives; photographs. LC: DU568. U5 W4.
- Wegener, G.
Deutschland im Stillen Ozean; Samoa, Karolinen, Marshall-Inseln, Marianen, Kaiser-Wilhelms-Land, Bismarck-Archipel und Salomo-Inseln; in, Scovel, A., Land und Leute, Monographien zur Erdkunde XV: 1-156, Bielefeld, Leipzig, 1903.
Geographical, with notes on vegetation, climate and many good photos; the author visited at least the Marshalls. LC: DU60. W41.
- Wells, J. W.
The coral reefs of Arno Atoll, Marshall Islands.
Atoll Res. Bull. 9: 1-14, 1951.
Mostly marine geology, but includes a chapter on the formation and structure of islets, mentioning the role of typhoons in changing shore lines.
- Geologic studies of atolls.
Atoll Res. Bull. 17: 14-15, 1953.
Summary of features to be studied.

Wendler, P. J.

Zur Feuer- und Nahrungsbereitung der Marshall-Insulaner (Südsee).

Baessler-Archiv 1: 269-276, 1911.

Notes on foods, mentioning various plants and plant parts, with native names; especially, description of making of mogmog meal and pandanus conserve; notes on plants used in firemaking.

Wentworth, C. K.

A tropical peat bog.

Bull. Geol. Soc. Am. 36: 137, 1925.

Brief note on Washington I.

Geology of the Pacific Equatorial Islands.

Occ. Pap. Bishop Mus. 9 (15): 1-25, 1931.

Excellent brief geographic descriptions of Palmyra, Washington, Fanning, Christmas, and Jarvis Islands, with treatment of land geology; good photographs and maps.

Use of hand level and Brunton compass for determining and mapping minor topography.

Atoll Res. Bull. 17: 22, 1953 a.

Description of methods.

Describing size grades of beach and other sedimentary materials.

Atoll Res. Bull. 17: 23, 1953 b.

Methods of estimating and describing composition of loose sediments, with table of size classes.

Hints on living under restricted camp conditions.

Atoll Res. Bull. 17: 128-129, 1953 c.

Practical suggestions for maintaining harmony on field expeditions.

Wentworth, C. K. and Ladd, H. S.

Pacific Island sediments.

Univ. Iowa Studies Nat. Hist. 13 (2): 1-47, 1931.

Important account of origin and nature of sediments, including the material of which the land of the central Pacific Atolls is made up; map; an excellent photo of the peat bog on Washington I., showing vegetation.

Werner, A. von

Südsee-Fahrten.

D. Kolon. Zeit. 5: 68-70, 89-92, 101-103, 117-119, 1888.

Account of a trip to the Gilberts and Marshalls,

with some information on plants and their uses.

Werner, F.

Die Reptilien- und Batrachierfauna des Bismarck-Archipels.

Mitt. Zool. Sammlung Mus. Naturk. Berlin 1 (4): 1-132, 1906.

Enumeration of species, with notes on biology, distribution, comparison with neighboring faunas, etc. No record specifically mentioned from atolls of archipelago, but other atolls mentioned in ranges of various species summarized in table p. 12.

Ergebnisse einer Reise nach dem Pacific (Schauninsland 1896-1897). Reptilien.

Zool. Jahrb. Syst. 14: 389-387, 1901.

Enumeration of species, two lizards mentioned from Laysan.

Ueber neue oder seltene Reptilien des Naturhistorischen Museums in Hamburg.

Mitt. Naturh. Mus. Hamburg 27: 1-46, 1910.

Includes an undescribed variety of *Lepidodactylus lugubris* from Nihoa, p. 7.

Wetmore, A.

Bird life among lava rocks and coral sand.

Nat. Geogr. Mag. 48: 77-108, 1925 a.

Popular account of the Tanager expedition with descriptions of the Leeward Hawaiian Atolls, emphasizing birds, but discussing vegetation and ecology to some extent; many photographs.

A note on the Fanning Island warbler.

Condor 27: 212, 1925 b.

Brief note on *Conopoderas pistor*, with mentions of other Pacific Islands warblers.

The Coues Gadwall extinct.

Condor 27: 36, 1925 c.

Brief note indicating that *Chaulelasmus couesi* Streets, known only from Washington I. is most probably extinct.

Birds from Clipperton Island collected on the presidential cruise of 1938.

Smiths. Misc. Coll. 98 (22): 1-6, 1939.

Five species discussed from Clipperton.

- Wharton, G. W.
Acarina collected on the presidential cruise of 1938.
Smiths. Misc. Coll. 99 (12): 1-8, 1941.
Several species, three of them new, from Clipperton.
- Wharton, G. W. and Hardcastle, A. B.
The genus *Neoschöngastia* (Acarinida: Trombiculidae) in the western Pacific area.
Jour. Parasit. 32: 286-322, 1946.
Includes five new species of Acarina from Ulithi, all parasites on birds.
- Wharton, W. J. L.
Note on Clipperton Atoll (northern Pacific).
Quart. Jour. Geol. Soc. London 54: 228-229, 1898a.
Brief note, discussing mostly the nature and origin of the Clipperton Rock. Sketch map, excellent photographs.
-
- Note on Clipperton Atoll.
Geol. Mag. n. s. IV, 5: 233, 1898 b.
Abstract, see above entry.
- Wheeler, W. M.
Ants from the Society Islands.
Bishop Mus. Bull. 113: 13-19, 1932.
Includes records from the Tuamotus, especially Fakarava.
-
- Revised list of Hawaiian ants.
Occ. Pap. Bishop Mus. 10 (21): 1-21, 1934 a.
Lists various ants from the Hawaiian Atolls and Wake I. Bibliography.
-
- Formicidae of the Templeton Crocker expedition, 1933.
Proc. Calif. Acad. Sci. IV, 21: 173-181, 1934 b.
Includes ants from Palmyra, Pukapuka (Danger Islands) and Sikaiana.
-
- Check list of the ants of Oceania.
Occ. Pap. Bishop Mus. 11 (11): 1-56, 1935.
Various ants recorded from Pacific atolls. Bibliography.
-
- Ants from the Society, Austral, Tuamotu, and Mangareva Islands.
Occ. Pap. Bishop Mus. 12 (18): 1-17, 1936.
- Includes ants from Christmas, Flint, Maria, and the Tuamotu Islands.
- White, K. M.
On a collection of molluscs from Dry Tortugas, Florida.
Proc. Malac. Soc. London 29: 106-120, 1952.
Includes *Onchidium* sp. found under stones.
- Whitelegge, T.
The Crustacea.
Australian Mus. Mem. 3: 127-151, 1897.
Account of the Crustacea collected by Hedley on Funafuti, with ecological notes on the prevalence of land crustacea, quoted from Hedley. See Hedley 1896-1900.
-
- The Hydrozoa, Scyphozoa, Actinozoa, and Vermes of Funafuti.
Australian Mus. Mem. 3: 371-394, 1899.
On pp. 392-393, includes two species of earthworms. See Hedley 1896-1900.
- Whitley, G. P.
Graveyards of the Pacific; The Elizabeth and Middleton Reefs.
Austr. Mus. Mag. 6: 96-104, 1936.
Includes very brief description of the atolls, with mention of sea birds observed. Historical notes on various shipwrecks that occurred there.
-
- The Middleton and Elizabeth Reefs, south Pacific Ocean.
Anstr. Zool. 8: 199-273, 1937.
Geographical and zoological account, based on the work of the Wanderer Expedition, 1936. Birds are the only land organisms reported. Maps; bibliography.
-
- John Gould's associates.
Emu 38: 141-167, 1938.
One of a series of papers in a commemorative issue devoted to Gould. Includes mentions of John Gilbert's collecting on Houtman's Abrolhos, and Ince's on Raine Island.
- Whitmee, S. J.
A missionary cruise in the south Pacific
1-40, Sydney, 1871 (edition 2).
Includes brief description of islands and notes on plants, foods, soil, etc., for Tokelau, Ellice, Gilberts. *Bish.*

Whitnee, S. J.

[Note on pumice in Ellice Islands].

Nature 19: 108, 1878.

Gives approximate date of arrival of great quantities of pumice brought by currents, speculating on its origin.

[Whitney, L. A.]

[Termites].

Proc. Hawaiian Ent. Sec. 7: 214, 1929.

Mentions *Kaloterme* (*K.*) *immigrans* from Jarvis, K. (*Cryptoterme*) *hermal* from Washington, both collected in 1924.

Whitney Expedition

Notes, letters and journals.

24 bound volumes of typed notes.

Contain an enormous amount of information on Pacific Atolls gathered during Whitney South Sea Expedition 1921-1939, by various authors. First two volumes by C. W. Richmond, are a comprehensive compilation of geographical and ornithological literature, with gazetteers, lists of birds with observations, etc. Include all groups south of equator west to, but not including Solomons, plus Line Islands; extensive extracts from old voyages. Quayle's Journal is very comprehensive and interestingly written. AMNH: Ornith. Lib.

Whittell, H. M.

A review of the work of John Gilbert in Western Australia.

Emu 41: 112-139, 1941; 216-242, 289-305, 1942.

Includes information on Gilbert's trip to Houtman's Abrolhos, including South Island (Pelsart), quoting from letters, and a newspaper article, by Gilbert. The latter includes information on birds, and bird colonies on Pelsart, and incidental mentions of lizards, plants, aspect of island, etc.

Whittell, H. M. and Serventy, D. L.

A systematic list of the birds of Western Australia. 1-126, Perth, 1948.

Includes birds from Houtman's Abrolhos, and mentions other atolls in ranges of various species. LC: QL693. W5.

Whittell, H. M. and White, S. R.

The red-tailed tropic bird in Western Australia. Emu 40: 95-96, 1940.

Quotes a breeding record of this bird from Pelsart Island from A. J. Campbell, 1901, who reported it as hearsay.

Wichmann, A.

Die Mapia- oder Bunai-Inseln.

Petermanns Mitt. 46: 66-69, 1900.

Brief description of Mapia, and mostly historical account of disputes over its possession.

Entdeckungsgeschichte von Neu-Guinea.

Nova Guinea 1: 1-387, 1909; 2 (1): 1-369, 1910;

2 (2): 371-1026, 1912.

Enormous compilation of material pertaining to the discovery and exploration of New Guinea and neighboring lands, with information on ships and voyages, biographical notes on explorers and authors, bibliographies, indexes, gazetteers, excerpts from main sources or summaries from them, etc. Includes much scattered information on Melanesian and other atolls. Covers literature available up to 1902.

Over de zoogenaamde atollen van den Oost-Indischen Archipel.

Verh. K. Akad. Wet. Amsterdam 20: 641-654, 1912.

A discussion of Niermeyer, 1911, and an attempt to decide what islands in the Netherland Indies may be called atolls.

Wickham, W. J. C.

Houtman's Abrolhos.

Naut. Mag. 1841: 506-512, 1841.

Includes brief description of Pelsart group, mentioning vegetation (stunted and scrubby except for a clump of mangrove). See also p. 197.

Wiehe, P. O.

Quelques anomalies du cocotier.

Rev. Agr. Maurice 21 (3): 129-131, 1942.

Mentions the observation of branched trunks of coconut palms and other anomalies at Chagos, in 1939.

Wiglesworth, L. W.

Aves Polynesiae.

Abh. Ber. K. Zool. Anthr.-Ethn. Mus. Dresden 6: 1-92, 1891 a.

Systematic catalogue of Polynesian birds (excl. Hawaiian) with many records from atolls, separate lists for Paumotu and Fanning groups; zoogeographic discussion.

On the Polynesian members of the genus *Ptilopus*. Ibis VI, 3: 566-584, 1891 b.

Revision of systematics, with mention of *Pt. coralensis*, from the Tuamotus.

Wiglesworth, L. W.

Remarks on the birds of the Gilbert Islands.
Ibis VI, 5: 210-215, 1893.

General notes on fauna of the Gilberts with mentions of bird species recorded from them.

Wilder, G. P.

A short trip to the Midway Islands with Capt. A. P. Niblack in the U. S. S. "Iroquois."
Hawaiian For. Agr. 2: 390-396, 1905.

Includes short descriptions of the vegetation and animal life of Laysan and Midway, as well as geographical notes and accounts of introduction of a number of plants.

Wilkes, C.

Narrative of the United States Exploring Expedition during the years 1838, 1839, 1840, 1841, 1842.
5 vols., Philadelphia, 1845.

Journal of voyage, with extensive observations on geography and natural history of many islands, including such atolls as the Tuamotus (1: chapter 15; 4: ch. 8), Bellingshausen and Rose (2: ch. 3), Phoenix (3: ch. 11, 5: ch. 1), Flint and Penrhyn (4: ch. 8), Washington, Jarvis and Union (5: ch. 1), Ellice (5: ch. 2), Gilberts (5: ch. 2, 3), Marshalls (5: ch. 3), Wake and Johnston (5: ch. 7), and Māngai (5: ch. 9). For details of various editions, see Haskell, 1942. LC: Q115. W66, 1845.

Voyage round the world, embracing the principal events of the Narrative of the United States Exploring Expedition.

1-668, Philadelphia, 1849.

Popular, shorter edition of Wilkes' narrative.
LC: Q115. W68, 1849.

Willett, G.

Notes on the nesting of two little-known species of petrel.

Condor 21: 60-61, 1919.

Pterodroma hypoleuca observed on Laysan and recorded from Lisianski, Midway, Pearl and Hermes; *Oceanodroma tristrami* observed on Laysan and Pearl and Hermes.

Willey, A.

Contribution to the natural history of the pearly nautilus.

I. Personal narrative: in, *Zoological Results ...*

1895 ... 1897, 6: 691-735, Cambridge, England, 1902.

Includes, pp. 723-724, brief description of the Conflict group, Loutalades. LC: QL 3. W7.

Williams, F. X.

The sphegoid wasps of the Marquesas Islands.
Bishop Mus. Bull. 98: 149-153, 1932.

Includes records from Tuamotus, Ellice and Cook-Keeling Islands.

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Achaea janata (Linn.)

Proc. Hawaiian Ent. Soc. 12: 233, 1945.

Species mentioned from Wake and Canton.

Williams, G. G.

The origins and dispersal of oceanic birds.
Texas Jour. Sci. 4: 139-155, 1952.

Does not mention atolls, but discusses various species which occur commonly on them.

Williams, J.

A narrative of missionary enterprises in the South Sea islands.

1-525, N. Y., 1837.

Includes, pp. 38-39, a paragraph on Hervey Islands, with notes on changes in size of population.
LC: BV3672. W5 A3, 1837.

Willis, J. C.

Note on the flora of Minikoi.

Ann. R. Bot. Gard. Peradeniya 1: 39-43, 1901.

Lists 134 species of vascular plants.

The birth and spread of plants.

1-561, Geneva, 1949.

A theoretical work on plant distribution. Contains, p. 49, a brief note on the flora of the Maldives and its possible origin and means of transport. Unimportant. GS: 928 W67 b.

Willis, J. C. and Gardiner, J. S.

The botany of the Maldives Islands.

Ann. R. Bot. Gard. Peradeniya 1: 45-164, 1901.

A complete annotated list of vascular plants of Maldives, Laccadives and Chagos Islands, with geographical introduction treating soils, water supply, etc; detailed description of vegetation of each of the Maldives, list of native names, discussion of economic plants, phytogeography, and succession on new islands; map.

Flora of the Chagos archipelago.

- Trans. Linn. Soc. Zool. 19: 301-306, 1931.
List of species with remarks on their occurrence and distribution, including some information on plants of the atolls to the west of the Chagos group, and notation of which species are also found in the Maldive group.
- Wilson, R. F. M.
An hour on a coral island - by a student of lichenology.
Vict. Nat. 5: 141-145, 1889.
Brief note on Diego Garcia, mentioning plants (including lichens), animals, water supply, soil, abundance of pumice on beach, etc. (Visit in 1884).
- Wilson, S. B.
On a new finch from Midway Island, north Pacific. Ibis VI, 2: 339-341, 1890.
Telespyza cantans, gen. nov., sp. nov., from Midway, with short general notes on the island and on visit of Capt. Böhm in the Mary Böhm in 1888.
- Wilson, S. B., and Evans, A. H.
Aves Hawaiienses: The birds of the Sandwich Islands. 1-257, London, 1890-1899.
Mentions various records from Pacific Atolls, especially from Laysan. LC: QL694. H3 W5.
- Wilson, W.
A missionary voyage to the southern Pacific Ocean in the Ship Duff 1-c, 1-395, London, 1799.
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- Agassiz, 1899
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- Davis, W.M., 1916
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- Abbott, W.L., 1894
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- Agassiz, 1888, 1903a
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 David, T.W.E. and Sweet, 1904
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 Voelcker, 1876
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 Wentworth and Ladd, 1931
 Wharton, W.J.L., 1898
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 Wiszwianski, 1910
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- Air Weather Service, 1950
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 Erdland, A., 1914
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 Hager, 1885
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 Hogbin, 1929, 1931
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 Köppen and Geiger, 1930
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 Marcadé, 1915
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 Murphy, R.E., 1949
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 Davis, J.H., Jr., 1942
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 Giboudot, 1903
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 Jeschke, 1905
 Johnson, I., 1936
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 Krämer, 1906, 1927, 1935, 1937
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 Lionnet, 1922
 Moreau, 1827
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 Pickering, J., 1846
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 Sarfert and Damm, 1929
 Schott, 1938
 Seidel, 1905a
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 U.S. Hydrographic Office, 1943a
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 Hutchinson, R.C., 1941
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 Seidel, 1891
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 Setchell, 1924
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 Stevenson, I.L., 1953
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 Bourne, 1886b
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 Usinger and La Rivers, 1953
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 Wegener, 1903
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- Beier, 1932a, 1932b, 1940
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 Campbell, D.H., 1926
 Chamberlin, J.C., 1930
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 Chiovenda, 1923
 Copeland, E.B., 1921
 Cranwell, et al., 1943
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 Davis, W.M., 1928
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 Martini and Chernitz, 1837
 Mathews and Hallstrom, 1943
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 Pagenstecher, 1909
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 Salvaderi, 1890, 1893
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 Sievers and Kükenthal, 1902
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 Strauch, 1887
 Stresemann, 1914
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 Baur, 1897
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 Bogert, 1937
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 Buxton and Hopkins, 1927
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 Dumont d'Urville, 1932, 1833a, 1833b, 1835, 1853
 Edwards and Hamilton, 1915
 Emory, 1944, 1947a, 1947b
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 Erdland, B.A., 1922
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 Farner, 1946
 Findlay, 1851, 1870, 1875
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 Finsch and Hartlaub, 1867
 Fletcher, 1910b
 Forster, J.R., 1788, 1844
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 Germany, D. Soewarte, 1897
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 Gill, 1889
 Godman, 1907
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 Guillaumin, 1931, 1934
 Guppy, 1906
 Hackel, 1901
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 Hann, 1897
 Hannig and Winkler, 1926
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 Irmer, 1897a
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 Kanichira, 1936a
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 Kobayashi, S., 1941
 Kramer, M.P., 1953
 Krieger, 1943
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 Lesson, 1825a
 Light and Zimmerman, 1936
 Lister, 1891
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 Mumford and Mahr, 1944
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 Paulding, 1831
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 Perkins, E.T., 1854
 Pickering, C., 1876
 Pilsbry, 1916
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 Ridgway, 1887
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 Rothschild and Jordan, 1903
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 Schnee, P., 1901d, 1903b, 1903c, 1904
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 Schumann and Lauterbach, 1901, 1905
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 Seurat, 1934
 Simmons et al., 1944
 Skottsberg, 1934
 Sparhawk, 1944
 Stackpole, 1953
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 Taylor, C.R.H., 1951
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 Wichmann, 1909

Wilkes, 1845, 1849
 Wilson and Evans, 1890
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 Wood, G.L. and Mc Bride, 1950
 Worth, 1849
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15a. Clipperton Atoll

Baarlag, 1941
 Bartsch and Rehder, 1939
 Belcher, 1843
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 Gifford, 1913
 Heller, 1903
 Hertlein and Emerson, 1953
 Ives, 1952
 Kellogg and Kuwana, 1902
 Killip, 1939
 Lacroix, 1939a
 Lenz, 1901
 Morrell, 1832
 Owen, L., 1923
 Pease, 1863
 Privat-Deschanel, 1910
 Rathbun, 1918
 Schmitt, 1939a
 Shoemaker, 1942
 Slevin, 1931
 Snodgrass and Heller, 1902
 Taylor, P.G., 1948
 Teall, 1898
 Thompson, 1938b
 Tweedie, 1947
 Van Denburgh and Slevin, 1914
 Wetmore, 1939
 Wharton, G.W., 1941
 Wharton W.J.L., 1898a, 1898b

15b. Tuamotus (including Coral Island, Ducie, Oene and Timoe)

Adamson, 1932
 Alexander, C.P., 1947
 Amadon, 1942
 Anon., 1917, 1934b
 Baarlag, 1941
 Bailey and Harvey, 1874

- Bartram, 1933, 1940
 Beechey, 1831
 Behrens, 1737, 1739
 Belcher, 1843
 Bellingshausen, 1831
 Bissell, 1930
 Bodin, 1931
 Bogert, 1937
 Bolron, 1940
 Brackenridge, 1854
 Brown, E.D.W. and Brown, 1931
 Brown, F.B.H., 1922, 1931
 Byron, 1773
 Caillot, 1909, 1910
 Carteret, 1773
 Cassin, 1858
 Chamisso, 1821
 Cheesman, 1927b
 Christian, 1910
 Collombet, 1926
 Cook, 1777, 1784, 1893
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 Coulter, J., 1845
 Couthouy, 1842
 Couturier, 1907
 Cuzent, 1861, 1872, 1884
 Dana, 1851a, 1851b, 1852
 Dantzenberg and Bouge, 1933
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 Debenham, 1945
 Deflesselle, 1933
 Donat and Seurat, 1904
 Drake, 1886
 Dumont d'Urville, 1842
 Du Petit-Thouars, 1840
 Edmonson, 1923
 Elliot, 1878
 Ellis, W., 1859
 Emery, 1934a, 1939, 1947a, 1947b
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 Ferdinand-Lop, 1933
 Finsch and Hartlaub, 1867
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 Froment-Guieyese, 1914
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 Giboudot, 1903
 Giovanelli, 1940
 Gould, A.A., 1852
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 Hall and Nordhoff, 1921
 Hebard, 1933a
 Heimerl, 1937
 Hemaley, 1913
 Henrard, 1930, 1950
 Henry, 1928
 Hervé, 1934
 Heyerdahl, 1950
 Hooker and Walker-Arnett, 1830
 I., U., 1918
 Irmer, 1895
 Jacquier, 1949
 Jouan, 1860, 1865, 1875
 Kimmins, 1936, 1953
 Kohlrausch, 1881
 Kotzebue, 1821
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 Lesson, 1825b, 1838
 Lewin, 1944
 Lucatt, 1851
 Marcadé, 1915
 Marks, 1951
 Massal, 1934, 1935a, 1935b
 May, 1952a
 Mayr and Amadon, 1941
 Meyrick, 1929
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 Mousson, 1869
 Murphy, R.C., 1925, 1928, 1949
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 Nay, 1951
 Nobili, 1907
 Nordhoff and Hall, 1936
 O'Brien, 1922
 Oliver, W.R.B., 1935
 Ortenburger, 1923
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 Papy, 1951
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 Patouillard, 1906
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 Poellnitz, 1936
 Poirier, 1950
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 Ribourt, 1878
 Ripley and Birckhead, 1942
 Rozier, 1903
 Schmidt, E., 1938
 Schmidt, K.P., 1922
 Seitz, 1927
 Serstevens, 1950
 Seurat, 1905a, 1905b, 1906a, 1906b

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 Skogman, 1856
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 Sperry, 1951
 Stephensen, 1935
 Sternfeld, 1920
 Stevenson, R.L., 1922
 Stock, 1921
 Strand, 1915
 Snessenguth, 1936
 Swexey, 1942a, 1946b
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 Teissier, 1953
 Thellung, 1906
 Usinger, 1961
 Valenziani, 1940, 1949
 Viette, 1949
 Vigors, 1839
 Villaret, 1938
 Wallis, 1773
 Weckler, 1943
 Wheeler, 1932, 1936
 Wigglesworth, 1891a, 1891b
 Williams, 1932
 Wilson, W., 1799

15b. Ahii

Bartram, 1933, 1940

15b. Akiaki

Banks, 1896

15b. Anaa

Adams and Adams, 1854
 Bartram, 1940
 Broderip, 1832
 Cooke, 1934
 Copeland, 1938
 Cuzent, 1872
 Garrett, 1879
 Mousson, 1869
 Pease, 1868a, 1871a, 1871b
 Pfeiffer, 1846a, 1846b, 1852
 Reeve, 1842, 1843
 St. John, 1940
 Semtevens, 1950
 Sherff, 1937a
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15b. Aratika

Tuckerman, 1874

15b. Coral I. (in the Marquesas)

Adamson, 1936

15b. Ducie

Anon., 1832
 Hemsley, 1884
 Hooker and Walker-Arnott, 1830
 MacFarlane, 1887
 Moerenhout, 1837
 Murphy, R.C., 1936, 1949
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 St. John, 1940
 Usinger, 1941
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15b. Faite

Bartram, 1940

15b. Fakarava

Berland, 1934a
 Blair, 1927, 1934a
 Cheesman, 1927a, 1928
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 Collenette, 1926, 1928
 Edwards, 1927
 Finsch, 1900b
 Hebard, 1933b
 Jacquier, 1936
 Marcadé, 1915
 Meyrick, 1928
 Prout, 1929
 Usinger, 1941
 Wheeler, 1936

15b. Fangahina (Fakahina)

Audran, 1927
 Belcher, 1843
 Seurat, 1904c

15b. Fangatau (Angatau)

Gemler, 1935a
 Roydhouse, 1947
 Seurat, 1904c

15b. Hao

Bartram, 1940
 Belcher, 1843

Copeland, 1938
 Gould, J., 1843a, 1843b
 Mallech, 1938
 Maquin-Tandon, 1849
 Moulton, 1939
 Navas, 1922
 Skottsberg, 1937
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15b. Makemo

Gerbault, 1929

15b. Manihi

Bartram, 1933
 Tuckerman, 1874

15b. Manuhangi

Robertson, G., 1948

15b. Maria

Murphy, R.C., 1949

15b. Matuerei-vavae

Kuroda, 1934c

15b. Napuka

Audran, 1918
 Berland, 1934a
 Blair, 1934a
 Cheesman, 1927a, 1928
 Callenette, 1926, 1928
 Crossland, 1925, 1927
 Gesler, 1935b, 1937, 1950
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 Poulton-Riley, 1928
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15b. Neugo-nego

Anon., 1952c
 Robertson, G., 1948

15b. Niau

Finech, 1900b
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 Mayr, 1949
 Ude, 1932

15b. Nukutavehe

Robertson, G., 1948

15b. Oeno

Bartram, 1949
 Copeland, 1938
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 Murphy, R.C., 1949
 Murphy and Pennoyer, 1952
 Sherff, 1937a
 Usinger, 1941
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15b. Paraea

Robertson, G., 1948

15b. Pinaki

Robertson, G., 1948
 Webster, G.L., 1951

15b. Puka-Puka

Girard, 1858
 Saurat, 1904c

15b. Pukarus

L'Hermier des Plantes, 1918
 Robertson, G., 1948

15b. Raraka

Gould, A.A., 1852
 Poase, 1871a

15b. Raroia

Anon., 1952b, 1953a
 Danielsson, 1951a, 1951b, 1951c, 1952
 Gerbault, 1929
 Harry, 1953
 Herre, 1953
 Heyerdahl, 1950
 Holthuis, 1953
 Roydhouse, 1947

15b. Reao

Curton, 1942
 L'Hermier des Plantes, 1918

15b. South Marutea

Bartram, 1940
 Beeson, 1939
 Chevreux, 1907
 Copeland, 1938
 Lacroix, 1928, 1939b
 Moulton, 1939
 Pfeiffer, 1854, 1858
 Sewrat, 1903b, 1904a, 1904b
 Smith, E.A., 1897
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15b. Takapoto

Jacquier, 1936
 L'Hermier des Plantes, 1918

15b. Takarea

Forster, G., 1777
 Forster, J.R., 1844
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15b. Takume

Jacquier, 1936

15b. Tematangi

Marriott, 1920

15b. Tepoto

Audran, 1918
 Copeland, 1938
 Gesler, 1950
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15b. Tikei

Bartram, 1933
 Candolle, 1839, 1845
 Chamisso and Schlechtendal, 1826
 Friederici, 1911
 Strand, 1913

15b. Timee

Bartram, 1940
 Copeland, 1938
 Cuzent, 1872
 Dantsenberg and Bouge, 1933
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 Murphy, R.C., 1940

Sewrat, 1903a
 Van Zwaluwenburg, 1942
 Wilson, W., 1799

15b. Vahitahi

Banks, 1896

15c. Austral, Cook and Society Islands

Anon., 1906a, 1928
 Bartram, 1933
 Belton, 1940
 Drake, 1887
 Forster, J.R., 1844
 Gill, 1885
 Hall and Neff, 1927
 Heimerl, 1937
 Johnston, W.B., 1953
 Key-Jones, 1947
 May, 1952a
 New Zealand, Census, 1937
 New Zealand, Dept. of Island . . . , 1950, 1952
 Ortenburger, 1923
 Skottsberg, 1940
 Suessenguth, 1936
 Teissier, 1953
 Wilson, W., 1799

15c. Bellinghamsen

Wilkes, 1845

15c. Hervey (s.str.)

Anon., 1906a
 Boulanger, 1897
 Buck, 1944
 Cook, 1777
 Finsch, 1900b
 Forster, G., 1777
 Frisbie, R.D., 1932
 Gossett, 1905, 1940
 Williams, J., 1837

15c. Maria

Copeland, 1938
 DuPetit Thouars, 1840
 Fosberg and St. John, 1952
 Jackson, 1938
 Paulding, 1831
 Wheeler, 1936
 Zimmerman, 1938a

15c. Mopelia (Mophaa)

Dantsenberg and Bouge, 1933
Eggleston, 1953
Forster, G., 1777

15c. Palmerston

Beccari, 1917
Cook, 1777, 1784
Finsch, 1900b
Forster, G., 1777
Gibbings, 1948
Gmelin, 1788
Johnson, I., 1936
Latham, 1781
Ledyard, 1783
Mathews, 1910
Pigeard, 1846
Stock, 1921
Stresemann, 1950
Wilson, W., 1799

15c. Scilly

Bartram, 1933

15c. Takutea

Anon., 1906a
Buck, 1944
Gosset, 1940

15c. Tetiaroa

Emory, 1933

15c. Tupai (Motu Iti)

Eggleston, 1953
Finsch, 1900b
Forster, J.R., 1844
Jacquier, 1936
Parkinson, S., 1773
Privat-Deschanel, 1910

15d. Central Pacific Atolls

Anon., 1865, 1906a
Ase, 1940
Behm, 1859
Beier, 1940
Bellingshausen, 1831
Blackman, 1944b
Bogert, 1937
Brown, F.B.H., 1931

Bryan, E.H., Jr., 1939a, 1939f, 1941b, 1942, 1945a
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Degener and Fosberg, 1952
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Ellis, A.F., 1937, 1946
Elchner, 1913
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Finsch and Hartlaub, 1867
Fosberg, 1939, 1943b
Frisbie, F., 1948
Frisbie, R.D., 1944
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Gill, 1876a
Great Britain, Colonial Office, 1950
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Groves, 1951
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Key-Jones, 1947
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Liebig, 1860
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Lucatt, 1851
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Marples, 1953
Mathews, 1914
Meinicke, 1868
Munro, 1941b, 1943, 1944a, 1953
Munro and Northwood, 1942
New Zealand Air Dept., 1949
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New Zealand, Dept. of Island 1950, 1952
Owen, L., 1923
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Stevenson, F.V. de G., 1914
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Tristram, 1883a
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Voelcher, 1876
Wentworth and Ladd, 1931
Wiglesworth, 1891a
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15d. Baker

Anon., 1870
Burnett, 1910
Christophersen, 1927b
Ellis, A.F., 1937
Hague, 1862
Hosokawa, 1950
Mumro, 1946b
Ramsay, 1925
Reeves, C., 1869
Waesche, 1938
Warner, 1939

15d. Canton

Anon., 1942d
Browne, 1949
Bryan, E.H., Jr., 1949b
Buddle, 1938
Buxton, E.B., 1952
Degener and Hatheway, 1952
Donaghho, 1952
Ellis, A.F., 1937
Faustin, 1962
Fosberg, 1930
Frick, 1952
Gardner, 1938
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Kelsey, 1943
Lister, 1891
Luomala, 1951b
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Oman, 1943
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Pemberton, 1939, 1941, 1944
Porter, 1950
Schultz, 1940, 1943
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U.S. Weather Bureau, 1949, 1954b
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Van Zwaluwenburg, 1941, 1942, 1943, 1943a, 1943b
Waesche, 1938
Warner, 1939
Williams, 1945
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15d. Caroline

Arundel, 1890

Bennett, 1840
Bryan, E.H., Jr., 1939c
Butler and Strecher, 1884
Dixon, W.S., 1884
Hemaley, 1885
Holden, et al., 1884
Kirby, W.F., 1892
Paulding, 1831
Piath, 1878
Qualtrough, 1884
Rothschild and Jordan, 1903
Skogman, 1856
Trelease, 1884
Upton, 1884

15d. Christmas

~~Behm, 1850~~
Bennett, 1840
Benson, 1838, 1857
Bissell, 1930
Brooks and Braby, 1921
Christophersen, 1927b
Cook, 1784
Coulter, J., 1847
Cowhey, 1842
Fosberg, 1930, 1943a, 1943b
Gessler, 1943
Gould, J., 1845
Great Britain, Colonial Office, 1891, 1933
Hosokawa, 1950
Jackson, 1938
Johnston, I.M., 1937
Kimmins, 1936
Kirby, 1925b
Ledyard, 1783
Loonis, 1918
Pelzeln, 1873
Pilsbry, Cooke and Neal, 1928
Pocock, 1898
Poellnitz, 1936
Ridgway, 1887
Rougier, 1914, 1917, 1922, 1925
Schmidt, E., 1938
Scott, 1841
Streets, 1877b
Stresemann, 1950
Treilian, 1838
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Usinger, 1937
Van Dyke, 1937
Wentworth, 1931
Wheeler, 1936

15d. Enderbury

Browne, 1940
 Donaghho, 1952
 Hellweg, 1937
 Perkins, R.C.L., 1931
 Schoof, 1878
 Schultz, 1940, 1943
 Waesche, 1938
 Warner, 1939

15d. Fanning

Alexander, C.P., 1932, 1933, 1947
 Anon., 1869, 1912, 1925, 1935
 Balfour-Browne, 1945
 Beeson, 1938
 Brooks and Braby, 1921
 Burnett, 1910
 Christophersen, 1927b
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 Crowe, 1952
 Edmonson, 1923
 Elschner, 1923
 Ewing, 1924
 Fanning, 1833, 1924
 Finsch, 1868, 1900b
 Gemler, 1943
 Great Britain, Colonial Office, 1891, 1933
 Great Britain, Hydrographic Dept., 1943
 Great Britain, Meteorological Office, 1833, 1952
 Herms, 1925, 1926
 Hill, F.F., 1952
 Hill, G.F., 1942
 Hosokawa, 1950
 Jackson, 1938
 Johnston, I.M., 1937
 Keyte, 1861
 Kirby, H., 1925a, 1925b
 Light, 1946
 Macdonald, 1935
 MacFarlane, 1887
 Marks, 1951
 Martelli, 1926
 Rothschild, 1915
 Rougier, 1922
 Sherff, 1937a
 Simmonds, 1929
 Streets, 1877a, 1877b
 Tristram, 1833a, 1833b
 Usinger, 1937
 Van Duzee, 1934
 Van Dyke, 1937
 Van Zwaluwenburg, 1932b
 Wentworth, 1931
 Wetmore, 1925b
 Zimmerman, 1941

15d. Flint

Anon., 1949a
 Copeland, 1938
 Hill, 1942
 Hosokawa, 1950
 Kinghorn, 1928
 Light, 1946
 Pigeard, 1946
 Plath, 1878
 Poellnitz, 1936
 St. John and Fosberg, 1937a, 1937b
 Sherff, 1937a
 Wheeler, 1936
 Wilkes, 1845
 Zimmerman, 1938a

15d. Gardner

Anon., 1952f
 Laxton, 1951
 Zimmerman, 1948b

15d. Howland

Browne, 1940
 Christophersen, 1927b
 Donaghho, 1952
 Ellis, A.F., 1937
 Hague, 1862
 Hosokawa, 1950
 Munro, 1942, 1944b, 1946b
 Ramsay, 1925
 Waesche, 1938

15d. Hull

Donaghho, 1952
 Ellis, A.F., 1937
 Poole and Schantz, 1942
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15d. Jarvis

Closson, 1893
 Donaghho, 1952
 Hague, 1862
 Hosokawa, 1950
 Kirby, 1925b
 Munro, 1944b
 Usinger, 1937
 Waesche, 1938
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 Whitney, 1929
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15d. Malden

Bloxam, 1925
 Brooks and Braby, 1921
 Brown, 1930
 Campbell, A.J., 1889, 1901
 Chevron, 1880
 Clayton, 1927
 Crowe, 1952
 Dixon, 1877
 Duhart, 1878
 Emory, 1934b
 Fittboegen, 1872
 Great Britain, Hydrographic Dept., 1943
 Great Britain, Meteorological Office, 1918
 Hemaley, 1885
 Hooker, J.D., 1847
 Hosokawa, 1950
 Klette, 1906
 Knoch, 1827
 Owen, L., 1923
 Seelye, 1943
 Thellung, 1906
 Wilson, W.F., 1922

15d. Manihiki

Buck, 1932b
 Burnett, 1910
 Cranwell, 1933
 Frisbie, R.D., 1930
 Gill, 1876b
 Hagne, 1868
 Hornell, 1936
 Linton, 1933
 Marks, 1951
 Seelye, 1943
 Stevenson, F.V. de G., 1914

15d. Mc Kean

Gräffe, 1864
 Schultz, 1943

15d. Nassau

Coppinger, 1883
 Gill, 1885
 New Zealand, Dept. of Scientific..., 1936
 Stevenson, F.V. de G., 1914

15d. Palmyra

Anon., 1862
 Bartram, 1945
 Beccari, 1917

Boddam-Whetham, 1876
 Brown, 1930
 Christophersen, 1927b
 Cooke, 1934
 Curran, 1936
 Davidson, 1934
 Edmonson, 1923
 Hardy, 1950
 Hincks, 1938
 Hitchcock, A.S., 1922
 Hosokawa, 1950
 Hu, 1950
 Kirby, 1926b
 Kraus, 1949
 Merrill, 1920
 Munro, 1949
 Pilbry, 1933
 Richardson, 1953
 Rock, 1916b, 1929
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 Slevin, 1934
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- 15g. Eauripik (Auripik)
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Bavay, 1908
Carteret, 1773
Emory, C., 1911
Goldman, 1866
Heeres, 1900
Jung, 1899
Jungmichel, 1862
Klingman and Green, 1950
Kubary, 1889
Kulczyński, 1911
Meares, 1791
Reyne, 1938
Rooy, 1909
Scheltema de Heere, 1917
Steenis-Kruseman, 1950
Wichmann, 1900

15g. Merir

Bennigsen, 1901b
Buse, 1910
Eilers, 1935
Fritz, 1907
Krämer, 1908
Milledge, 1873
Motoda, 1939

15g. Mokil

Anderson, 1854
Anon., 1857, 1905b
Bentzen, 1949
Eilers, 1934
Glassman, 1953
Karig, 1948
Murphy, R.E., 1948a, 1948b, 1950, 1953
Skogman, 1856
Weckler, 1948

15g. Murilo

Krämer, 1935

15g. Nama

Krämer, 1935

15g. Namoluk

Krämer, 1935

15g. Namonuito

Krämer, 1935

15g. Ngaruangel

Gressitt, 1953a

Kubary, 1873b

Miyake, 1939

Semper, K., 1873, 1881

16g. Ngatik

Doane, 1874

Eilers, 1934

Hahl, 1900

15g. Ngulu

Clark, E., 1951

Eilers, 1935

Gräffe, 1873c

Senfft, 1908

Takatsukasa and Kuroda, 1915

15g. Nomei (Mortlock Islands)

Doane, 1874

Finch, 1900b

Krämer, 1908

Kubary, 1880

Lütke, 1835

Rice, 1895

Robertson, R., 1877

Thomas, 1882

U.S. Geological Survey, 1944b

15g. Nomwin

Fosberg, 1947a

Krämer, 1935

Lange, 1950

15g. Nukuoro

Bridge, 1886

Christian, 1898

Eilers, 1934

Elbert, 1946, 1948

Fosberg, 1947a, 1950b

Hosaka, 1946

Kubary, 1900

Lange, 1950

Robertson, R., 1877

Thilenius, 1902

U.S. Geological Survey, 1944b

Van Zwaluwenburg, 1948c

15g. Olimarau

Anon., 1907b

15g. Pakia

U.S. Geological Survey, 1944a

15g. Pingelap

Anon., 1905b, 1906b

Bartels, 1902

Eilers, 1934

Glasman, 1953

Murphy, R.E., 1948a, 1953

St. John, 1948

15g. Pulap

Krämer, 1935

15g. Pulo Anna

Bennigsen, 1901b

Buse, 1910

Carteret, 1771

Eilers, 1935

Fritz, 1907

Krämer, 1908

Motoda, 1939

15g. Pulusuk

Damm, et al., 1935

15g. Puluwat

Damm, et al., 1935

Takahashi, 1941

15g. Satowal

Anon., 1907b

Damm, et al., 1935

15g. Sonsorol

Bennigsen, 1901b

Buse, 1910
 Capell, 1951
 Carteret, 1773
 Eilers, 1935
 Fritz, 1907
 Klingman and Green, 1950
 Motoda, 1939
 Oshima, 1943
 Tayama, 1934

15g. Sorol

Born et al., 1907
 Damm et al., 1938
 Hunter, J., 1793
 Kurz et al., 1907

15g. Tobi

Asahina, 1940
 Aso, 1947
 Buse, 1910
 Capell, 1951
 Eilers, 1935
 Fritz, 1907
 Hale, 1846
 Imazeki, 1939
 Krämer, 1908
 Liesegang, 1949
 Miyake, 1939
 Motoda, 1939
 Oshima, 1943
 Pickering, J., 1846
 Seidel, 1904, 1905a
 Senfft, 1901a
 Tayama, 1934
 Uehara, 1941
 Yamanouchi, 1939

15g. Ulithi

Andersen, 1908
 Anon., 1945a
 Baker, R.H., 1946, 1948
 Chamisso, 1821
 Clark, E., 1951, 1953
 Cogswell, 1946
 Damm et al., 1938
 Divine, 1950
 Doutt, 1951
 Elbert, 1947
 Farmer, 1945
 Fosberg, 1947a
 Gräffe, 1873c
 Hartlaub, 1867
 Hosaka, 1946

Klingman and Green, 1950
 Krämer, 1908
 Kurz et al., 1907
 Lange, 1950
 Lessa, 1950a, 1950b
 Mertens, K.H., 1830
 Senfft, 1901b
 Sternfeld, 1920
 Strand, 1915
 Takatsukasa and Kuroda, 1915
 U.S. Navy, 1945a
 Van Zwaluwenburg, 1948c
 Wees, 1950
 Wharton and Hardcastle, 1946
 Yamashina, 1932b

15g. Woleai

Asahina, 1940
 Born 1904a
 Born, et al., 1907
 Chamberlin, R.V., 1947
 Chamisso, 1821
 Finckh, 1880, 1900b
 Gräffe, 1873c
 Kittlitz, 1835
 Krämer, 1937
 Kurz et al., 1907
 Lange, 1950
 Lütke, 1835
 Mertens, K.H., 1830
 Momiyama, 1922b
 Robertson, R., 1877
 Seidel, 1905b
 Senfft, 1904b, 1905

15h. Gilbert Islands

Anon., 1952a, 1953c
 Asahina, 1940
 Austin, 1953
 Balfour-Browne, 1945
 Balss, 1938
 Bartels, 1902
 Bingham, 1908
 Blair, 1927, 1934b, 1940
 Bontemps, 1890
 Bridge, 1886
 Bryan, E.H., Jr., 1951c
 Burnett, 1910
 Butler, 1885
 Buxton, 1928
 Catala, 1952
 Christian, 1899
 Coolidge, 1951c, 1952
 Corporaal, 1937

- Coulter, J., 1847
 Dixon, H.N., 1927
 Drews, 1944
 Dumbleton, 1953
 Dyer, 1953
 Ellis, A.F., 1946
 Evans, 1949
 Fiji, Legislative Council, 1909
 Finch, 1880, 1882, 1883, 1884, 1887a, 1893
 Gilbert, 1789
 Gilbert and Ellice Colony, 1951
 Great Britain, Colonial Office, 1891, 1933, 1950, 1951
 Gressitt, 1952b
 Grimble, 1921, 1924, 1933, 1943, 1952
 Guillaumin, 1932
 Gulick, L.H., 1862
 Hager, 1885
 Hale, 1846
 Hall and Neff, 1927
 Hampson, 1907, 1920, 1926
 Hartzler, 1900
 Heidke, 1917
 Hercouët, 1896, 1897a, 1897b
 Hilder, 1950
 Hudson and Cameron, 1944
 Jordan, 1939
 Kanch, 1881b
 Krämer, 1901, 1906
 Krombein, 1949
 Kurze, 1887
 Lambert, 1928, 1929, 1941
 Luke, 1943, 1945b
 Luomala, 1951a, 1953
 Mahaffy, 1910
 Mathew, 1888
 Maude, 1953a
 Maude and Maude, 1931
 May, 1952a, 1952b
 Mayr, E., 1945b
 McCarthy, 1944
 Meinicke, 1863
 Miyake, 1939
 Moore, S.G., 1858
 Moore, W.R., 1945a
 Morison, 1944
 Morley, 1912b
 Müller, F. von, 1875
 Nugent, 1946
 Pacific Area, 1952, 1953a, 1953b
 Pease, 1867
 Peters, W., 1873b
 Prager, 1903
 Rainbow, 1903
 Rathbun, 1907
 Rebel, 1910
 Regelsperger, 1917
 Roewer, 1944
 Sachet, 1951
 Schlosser, 1945
 Schmidt, E., 1938
 Schnee, P., 1907
 Schumann, 1888
 Seelye, 1943
 Seitz, 1927
 Shephard, 1945
 Silvestri, 1934
 Simmonds, 1938
 Smith, M.A., 1926
 Someki, 1945
 South Pacific Commission, 1952
 South Pacific Health, 1951
 Stevenson, F.V. de G., 1914
 Stevenson, R. L., 1922
 Swezey, 1946b
 Tennent, 1945
 Turbott, 1949a
 Tyler, 1885
 U.S. Hydrographic Office, 1944
 U.S. Navy, 1945a, 1945c
 U.S. War Dept., 1945c
 Van Zwaluwenburg, 1932b
 Visher, 1922b
 Volkens, 1903
 Webster, J., 1851
 Werner, A. von, 1888
 Whitmee, 1871
 Wigglesworth, 1893
 Wilkes, 1845
 Woodford, 1895
 Yasumatsu, 1941
 Zon and Sparhawk, 1923
- 15h. Apaiang
- Garman, 1901
 Pease, 1871a
 Peters, J.L. and Griscom, 1928
- 15h. Aranuka
- Verhoeff, 1938b
- 15h. Aroral
- Leveque and Hale, 1881
- 15h. Beru
- Cameron, M., 1943
- 15h. Makin (Butaritari)

Berg, 1906
 Dyer, 1953
 Finsch, 1906b
 Hudson and Cameron, 1944
 Krämer, 1901
 North, A.J., 1895, 1896b

15h. Marakei

Krämer, 1901

15h. Nikunau

Byron, 1773
 Paulding, 1831
 Webster, J., 1851

15h. Nanouti

Burnett, 1910

15h. Onotoa

Banner, 1952
 Banner and Randall, 1952a
 Cloud, 1952a
 Hokhuis, 1953
 Moul, 1953, 1954
 Stone, 1953b

15h. Tabiteuea

Dixon, H.N., 1928
 Luomala, 1951a
 Paulding, 1831

15h. Tarawa

Anon., 1952a
 Hudson and Cameron, 1944
 Iremonger, 1948
 Jones, K.W., 1951
 Karch, 1881a
 Kumm, 1931
 Luke, 1945a
 Luomala, 1951a
 Mueller, 1885
 Peters, 1881
 Tennent, 1945
 Turbott, 1949b

15i. Ellice Islands

Attems, 1938
 Bals, 1938
 Beier, 1940

Blair, 1927, 1934b, 1934c, 1940
 Breuning, 1938
 Bridge, 1886
 Britton, 1938
 Bryan, E.H. Jr., 1951a
 Butler, 1878, 1885
 Buxton, 1927, 1928
 Cheesman, 1928, 1936
 Corporaal, 1937
 Dumbleton, 1953
 Ellis, A.F., 1946
 Evans, 1949
 Farmer and Bohart, 1945
 Fiji, Legislative Council, 1909
 Fosberg, 1943b
 Fryer, 1912
 Garrett, 1881, 1884
 Gilbert and Ellice Colony, 1951
 Gill, 1885
 Gräffe, 1867
 Great Britain, Colonial Office, 1891, 1933, 1950, 1951
 Hall and Neff, 1927
 Hampeon, 1907, 1920
 Hardy, 1950
 Hartzler, 1900
 Hill, 1926, 1942
 Hincks, 1938
 Hopkins, 1927
 Iremonger, 1948
 Jordan, 1939
 Lambert, 1928, 1929, 1941
 Lesson, 1838
 Lieftinck, 1949b
 Luerssen, 1871
 Luke, 1943, 1945b
 Luomala, 1951a
 Mahaffy, 1910
 Mathew, 1888
 Maude, 1953a
 May, 1952a, 1952b
 Mayr, E., 1945b
 Mayr, G., 1870, 1876
 Metcalf, 1946
 Meyrick, 1886, 1887, 1929, 1934
 Moore, F., 1883
 Moresby, J., 1876
 Momson, 1873
 Müller, F. von, 1875
 Muir, 1927
 North, 1898
 O'Connor, 1922, 1923
 Pacific Area, 1952, 1953a, 1953b
 Poulton, 1924
 Rainbow, 1903
 Rathbun, 1907

Rebel, 1910
 Regelsperger, 1917
 Schmidt, E., 1938
 Seelye, 1943
 Seitz, 1927
 Sharpe and Whitmee, 1878
 Shephard, 1945
 Silvestri, 1934
 South Pacific Health, 1951
 Stevenson, F.V. de G., 1914
 Stewart, 1945
 Streseman, 1923
 Swezey, 1939, 1942b, 1946a, 1946b
 Tennent, 1945
 Turbott, 1949a
 U.S. War Dept., 1945c
 Van Zwaluwenburg, 1932b, 1949a, 1949b
 Visser, 1922b
 Whitmee, 1871, 1878
 Wilkes, 1845
 Williams, 1932
 Zacher, 1916
 Zon and Sparhawk, 1923

151. Funafuti

Berland, 1933, 1934b
 Borradaile, 1898, 1900a, 1900b
 Chamberlin, J.C., 1934
 Cooksey, 1896
 David, Mrs. E., 1899
 David, T.W.E. and Sweet, 1904
 Donat and Seurat, 1904
 Edmondson, 1923
 Gadow, 1898
 Gardiner, 1898
 Gräffe, 1867
 Great Britain, Hydrographic Dept., 1943
 Great Britain, Meteorological Office, 1918, 1936
 1952
 Hedley, 1896a, 1896b, 1897, 1898, 1899a, 1899b
 Iremonger, 1948
 Jacot, 1929
 Judd, J.W., 1904
 Kinghorn, 1928
 Langenbeck, 1897
 Maiden, 1904
 Mayer, 1916
 Metcalf, 1946
 North, 1896a, 1896b
 Pocock, 1898
 Rainbow, 1897a, 1897b
 Royal Society, 1904
 Russell, 1904
 St. John, 1945
 Sollas, 1899a, 1899b, 1904

Swezey, 1946a, 1946b
 Tesch, 1917
 Waite, 1897
 Whitelegge, 1897, 1899
 With, 1907

151. Nanumea

Gräffe, 1867
 Lefevre et al., 1944
 Venner, 1944

151. Niue

Gräffe, 1867
 North, A.J., 1896b

151. Nukunetau

Gräffe, 1867

151. Nukunailai

Gräffe, 1867

151. Vaitupu

Gräffe, 1867
 Kennedy, 1931

15j. Tokelau (Union) Islands, Rose and Swains

Bryan, E.H., Jr., 1951a
 Buxton, 1927, 1928
 Coppinger, 1883
 Dumbleton, 1953
 Gibbings, 1948
 Gill, 1885
 Great Britain, Colonial Office, 1891
 Jordan, 1939
 Kimmins, 1936
 Macgregor, 1937
 Marples, 1953
 Mayr, E., 1945b
 Meinicke, 1868
 Müller, F. von, 1875
 New Zealand, 1926
 New Zealand, Air Dept., 1940
 New Zealand, Dept. of Island, 1952
 New Zealand, Dept. of Scientific, 1936, 1950
 O'Connor, 1922, 1923
 Paulding, 1831
 St. John, 1945
 Seelye, 1943
 Stevenson, F.V. de G., 1914
 Whitmee, 1871

Wilkes, 1845

15j. Atafu

Balfour-Browne, 1945

Barrett, 1939

Donaghho, 1952

Hague, 1868

Orchymont, 1937

15j. Fakaofu

Barrett, 1939

Boisse, 1875

Frisbie, R.D., 1937

15j. Nukunono

Barrett, 1939

Boisse, 1875

15j. Rose

Anon., 1920, 1922

Boddam-Whetham, 1876

Bryan, E.H., Jr., 1939d

Buxton, 1927

Coulter, J.W., 1941

Couthouy, 1842

Daly, 1924

Dana, 1849, 1851a

Donaghho, 1952

Dumont d'Urville, 1842

Dumstrey, 1920

Ewing, 1924

Freycinet, 1826

Girard, 1858

Gräffe, 1873a, 1873d

Kotzebue, 1830

Krämer, 1897

Lipman and Shelley, 1924

Lipman and Taylor, 1924

Marques, 1889

Mayor, 1921, 1924

Munro, 1949

Sachet, 1954

Schultz, 1940, 1943

Setchell, 1924

Wilkes, 1845

15j. Swains

Anon., 1925b, 1926

Bartram, 1945

Coulter, J.W., 1941

Donaghho, 1952

Gräffe, 1864

Kimmins, 1936

Hopkins, 1927

Munro, 1941b

Schultz, 1940, 1943

Stevenson, F.V. de G., 1914

15k. Melanesian atolls (excluding those from
Loyalty to Fiji)

Australia, 1922, 1943

Bennigsen, 1901a

Bradtke, 1921

Coulter, J.W., 1951

Cross Cultural Survey, 1943f

Dempwolff, 1904

Green, 1936

Haddon, 1937

Kennedy, 1953

Parkinson, R., 1907

Rosset, 1898

Schnee, H., 1904

Steenis-Kruseman, 1950

Thilenius, 1898

U.S. Navy, 1945b

Werner, F., 1900

Wichmann, 1909

15k. Alim

Green, 1936

15k. Aua (Durour)

Anon., 1907a, 1950b

Carteret, 1773

Cilento, 1928

Hambruch, 1908

Hutchinson, R.C., 1941

Kleckham, 1952

Luschan, 1900

Mörner, 1914

Parkinson, R., 1896, 1907

Pitt-Rivers, 1924, 1925

Pritchard, 1951

Wahlen, 1952

15k. Kaniet (Anchorite)

Cilento, 1928

Mayr, E., 1949

Müller, K., 1889

Parkinson, R., 1907

Schleinitz, 1889

Thilenius, 1902

Wahlen, 1952

15k. Kilinailau

Parkinson, R., 1907

15k. Manu

Hutchinson, R.C., 1941

Pritchard, 1951

Thilenius, 1902

15k. Matti (Matty, Wuwulu)

Anon., 1907a, 1950b

Backhouse, 1953

Carteret, 1773

Cilento, 1928

Dwyer, 1938

Edge-Partington, 1896

Hambruch, 1908

Hartert, 1926

Hutchinson, R.C., 1941

Kleckham, 1952

Luschan, 1895, 1900

Meise, 1929

Mörner, 1914

Parkinson, R., 1896, 1907

Preuss, 1911

Pritchard, 1951

Rossel, 1808

Schnee, H., 1904

Stresemann, 1923

Thilenius, 1902

Wahlen, 1952

15k. Ninigo (L' Echiquier)

Anon., 1907a

Cilento, 1928

Green, 1936

Hartert, 1924, 1926

Hartlaub, 1867

Johnson, I., 1936

Labillardière, 1800

Mayr, E., 1938, 1945a, 1949

Meise, 1929

Oustalet, 1881

Parkinson, R., 1907

Reichenow, 1899

Rossel, 1808

Salvadori, 1880

Sibley, 1946

South Pacific Commission, 1952

Stresemann, 1923

Thilenius, 1902

Wahlen, 1952

Werner, F., 1910

15k. Nuguria

Bennigsen, 1901a

Liesegang, 1940

Parkinson, R., 1897, 1907

Ramsay, 1882, 1883

Thilenius, 1902

15k. Nukumann

Bennigsen, 1901a

Brown, G., 1908a, 1908b

Edwards and Hamilton, 1915

Parkinson, R., 1897, 1907

Sarfert and Damm, 1929

Shortall, 1941

15k. Ontong Java

Anon., 1849, 1890

Bennigsen, 1901a

Black, 1952

British Solomon, 1939

Brown, G., 1908a, 1908b

Hogbin, 1929, 1931, 1934a, 1945

Hunter, J., 1793

Kennedy, 1953

Kälmer, 1908

Parkinson, R., 1897

Sanborn and Nicholson, 1950

Sarfert and Damm, 1929

Thilenius, 1902

Troughton, 1931

Woodford, 1906a, 1916

15k. Purdy Islands

Friederici, 1911

Green, 1936

Hutchinson, R.C., 1941

Liesegang, 1940

Seidel, 1891

15k. Sae Islands (Common)

Schleinitz, 1889

Thilenius, 1902

15k. Sikaiana (Stewart)

Anon., 1848, 1849, 1857

Beck, 1888

Black, 1952

British Solomon, 1939

Cheyne, 1852

Curran, 1936

Farner and Bohart, 1945
 Frauenfeld, 1859
 Haddon, 1937
 Hochstetter, 1866, 1885
 Hunter, J., 1793
 Kennedy, 1953
 Lambert, 1929
 Lever, 1937, 1943, 1953a
 Lieftinck, 1949a
 Macgregor, 1934
 MacQuarrie, 1952
 Malloch, 1940
 Mettenius, 1870
 Müller, K., 1873
 Pelzeln, 1869
 Reichardt, 1868, 1870
 Scherzer, 1861a, 1861b
 Skogman, 1856
 Steindacher, 1869
 Thilenius, 1898, 1902
 Ude, 1932
 Webster, J., 1861
 Wheeler, 1934b
 Woodford, 1906b, 1916

15k. Tann

Bennigsen, 1901a
 Churchill, 1909
 Dwyer, 1937
 Morrell, 1832
 Parkinson, R., 1897, 1907

15L. Atolls in the Louisiade Archipelago and in Coral Sea, east to Loyalty Islands

Chevron, 1880
 Elschner, 1913
 Fairbridge, 1950b
 Flinders, 1814
 Huxley, 1935
 Lafon, 1885
 Macgillivray, 1852
 Privat-Deschanel, 1910

15L. Bampton

Richards, G.E., 1879

15L. Beauteemps-Beaupré

Anon., 1848
 Cheyne, 1852
 Haerberle, 1952b
 Lafon, 1885
 Macmillan, L., 1939

15L. Bird Island (on Wreck Reef)

Crowther, 1939
 Spry, 1877

15L. Bramble Cay

Campbell, A.J., 1901
 Macgillivray, 1852
 Meek, 1913

15L. Bramble Haven

Macgillivray, 1852
 Villiers, 1949

15L. Chesterfield Group

Richards, G.E., 1879
 Salvin, 1888
 Sornay, 1922

15L. Conflict Group

Willey, 1902

15L. D'Entrecasteaux Reef

Haerberle, 1952a

15L. Elizabeth Reef

Whitley, 1936, 1937

15L. Huon

Haerberle, 1952a

15L. Long

Macgillivray, 1852

15L. Middleton Reef

Whitley, 1936, 1937

15L. Nada

Bromilow, 1893
 Dumont d'Urville, 1830
 Laughlan, 1814
 Macgregor, W., 1897

15L. Motau Tabou

Macmillan, L., 1939

15L. Raine Island

Boulenger, 1889
 Campbell, A.J., 1901
 Crowther, 1939
 Ellis, A.F., 1937
 Gould, J., 1865
 Jukes, 1847
 Moseley, 1892
 Spry, 1877
 Tizard, 1885
 Whitley, 1938

15L. Renard

Richards, G.E., 1879

15L. Willis

Hogan, 1925
 Kidson, 1926
 Reithmüller, 1931

15m. Atolls between New Hebrides and Tonga

Agassiz, 1899
 Davis, W.M., 1916, 1928
 Derrick, 1951
 Gardiner, 1898

15m. Nukunono

Derrick, 1951

15m. Wailagilala

Derrick, 1951

16. ATOLLS OF THE EAST INDIES AND CHINA
SEA

Bemmelen, 1949
 Blake and Atwood, 1942
 Brouwer, 1925
 Dammerman, 1925
 Escher, 1920
 Forrest, 1780
 Gibson-Hill, 1953
 Great Britain, Meteorological Office, 1937
 Hartmann, 1895
 Hoogewerf, 1953
 Kuenen, 1933, 1947, 1950
 Moereels, 1923
 Molengraaff, 1921a, 1921b
 Molengraaff and Weber, 1919
 Nederlandch 1922

Niermeyer, 1912
 Paulus et al., 1917
 Reyne, 1939
 Smith, J.J., 1900
 Steenis-Kruseman, 1950
 Straelen, 1930
 Umbgrove, 1929, 1947, 1949
 U.S. Navy, 1945b
 Weber, 1902
 Wichmann, 1912

16a. Asia Islands

Goldman, 1866
 Meares, 1791

16b. Paracel Islands

Anon., 1938, 1943b
 Chang, 1948
 Chu, 1929
 Clerget, 1932
 Delacour and Jabouille, 1930
 Gagnepain, 1934, 1937
 Herbout, 1931
 Krempf, 1931
 Menzen, 1948
 Saix, 1933
 Sauvaire-Jourdan, 1933
 Sawada and Sasaki, 1922
 Stresemann, 1931
 Swinhoe, 1871
 U.S. War Dept., 1945a

16b. Pratas

Anon., 1943b
 Blakeney, 1902
 Cambridge, 1871
 Collingwood, 1867, 1868
 Great Britain, Meteorological Office, 1937
 Guppy, 1890a
 Hayata, 1911
 Hongkong, Royal Observatory, 1926
 U.S. War Dept., 1945b

16b. Spratly Island

Gagnepain, 1934
 Krempf, 1931

16b. Tizard

Bassett-Smith, 1890

16c. Dapur (Dapoer)

Verwey, 1931

16c. Duizend Eilanden

Banks, 1896
 Bentham Jutting, 1941
 Boettger, 1891
 Handchin, 1925
 Harms, 1929
 Hoffmann, 1928
 Hout, 1902
 Kopstein, 1921, 1923
 Landrot, 1920
 Marshall, G.A.K., 1925
 Paravicini, 1935
 Reyne, 1938
 Selleger, 1906
 Smith, J.J., 1900, 1907
 Steenis, 1935
 Umbgrove, 1929, 1949
 Verwey, 1931
 Zaneveld and Montagne, 1950

16c. Edam

Banks, 1896
 Kopstein, 1921
 Olivier, 1881
 Rees, 1855
 Verwey, 1931

16c. Gissir (Kisser, Gessir)

Brouwer, 1925
 Forbes, 1885

16c. Lucipara

Engler, 1889
 Kuhn, 1880

16c. Mangai

Pickering, C., 1876
 Wilkes, 1845

16c. Middelburg

Hardenberg, 1939
 Marinkelle, 1950, 1951

16c. Pasiraloë Islands

Docten van Leeuwen, 1937

16c. Palo Eye

Forrest, 1780

16c. Palo Syang

Forrest, 1780

16c. Tijger Atoll

Umbgrove, 1949

16c. Weim

Straelen, 1930

17. INDIAN OCEAN ATOLLS

Alcock, 1902
 Bent, 1922
 Blake and Atwood, 1942
 Findlay, 1882
 Fletcher, 1910a
 Gardiner, 1906
 Germain, 1921
 Gibson-Hill, 1950f, 1952, 1953
 Meada-Waldo, 1912
 Moreaby, F., 1842
 Parker, 1936
 Reyne, 1939
 Schott, 1935
 Simmons et al., 1944
 Teichert and Fairbridge, 1948
 Turner, 1911

17aa. Atolls near northwest and west coast of Australia

Fairbridge, 1950b
 Serventy, D.L., 1952a, 1952b

17aa. Adelaide

Serventy, D.L., 1952b
 Teichert and Fairbridge, 1948
 Walker, J., 1892

17aa. Browne

Elachner, 1913
 Roggenburg and Rohrbach, 1877
 Teichert and Fairbridge, 1948

17aa. Cartier

Teichert and Fairbridge, 1948

17aa. Lacedpede Islands

Dudfield, 1877

Elschner, 1913

17aa. Pelsart (in Heutman's Abrolhos)

Alexander, W.B., 1922

Barrett, C.L., 1947

Campbell, A.J., 1890, 1901

Dakin, 1915, 1919, 1950a, 1950b

Fairbridge, 1948

Gibson, 1908

Gilbert, J., 1843

Gould, J., 1844, 1845, 1865

Helms, 1902

Hindwood, 1938

Kent, 1897

Maitland, 1928

Maitland and Jackson, 1904

Mathews, 1946

Murphy, R.C. and Irving, 1951

Pritchard, 1951

Sandland, 1937

Serventy, D.L., 1940

Serventy, D.L. and Whittell, 1948

Serventy, V.N., 1943, 1951

Serventy, W.N., and White, 1951

Stokes, 1846

Teichert, 1947

Uren, 1940

Whittell, 1942

Whittell and Serventy, 1948

Whitley, 1938

Wickham, 1841

17aa. Scott Reef

Serventy, D.L., 1952b

17aa. Seringapatam

Serventy, D.L., 1952b

Teichert and Fairbridge, 1948

17a. Cocos Keeling

Abbott, R.T., 1950

Anon., 1833, 1857

Beccari, 1917

Belcher, 1848

Birch, 1886

Blair, 1942

Boheman, 1858

Braak, 1931

Campion, 1923

Cheesman, 1928

Chun, 1905

Dammerman, 1948

Darwin, 1852

Forbes, 1879, 1885

Gerbaut, 1929

Gibson-Hill, 1946, 1947a, 1947b, 1947c, 1948,

1949a, 1949b, 1949c, 1949d, 1950a, 1950b, 1950c,

1950d, 1950e, 1950f, 1950g, 1950h, 1950j, 1951

Gould, J., 1838

Great Britain, Meteorological Office, 1918

Guppy, 1883, 1889, 1890a, 1906, 1917

Hampson, 1907, 1920, 1926

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SELECTED BIBLIOGRAPHY OF VEGETATION OF THE TROPICAL PACIFIC ISLANDS

Introduction

Early in the work on Micronesian vegetation it was found that a better background in the vegetation of other parts of the Pacific would be a necessity for any satisfactory understanding of that of Micronesia. In an attempt to assemble the pertinent literature two things were soon realized. First, there is relatively little information available on the vegetation as such. Second, there is no adequate list of papers that are pertinent to a study of Pacific Islands vegetation. Even in Dr. E. H. Walker's Index to Merrill's Botanical bibliography of the islands of the Pacific there is no entry for vegetation. Few botanical workers in the Pacific have been especially vegetation-conscious.

Since vegetation, as an important geographical feature of the earth, is of interest not only to botanists but to workers in a great many other fields, such as geography, geology, ecology, zoology, climatology, soil science, forestry, agriculture, economics, military science, and engineering, it seemed appropriate to make more generally available the results of this examination of vegetation literature. An annotated bibliography seemed the logical first step.

In this, in contrast to the accompanying two bibliographies, no attempt was made to include every item that in any way mentioned vegetation in the area concerned. Only those which might, in the authors' opinion, contribute to knowledge and understanding of this vegetation are included. It will be noticed that rather few of the items deal specifically or exclusively with the vegetation of the Pacific islands. There are not many such available. For information on present vegetation, as well as that of the past, it is necessary to depend, for many islands, on travelers' accounts, introductions to works on other subjects, regional geographic studies, foresters' reports and casual notes on agriculture and other applied fields. Change is so rapid

that even good descriptions of vegetation are soon inadequate without the use of such other sources of information published subsequently.

The actual scope of this bibliography is literature directly concerning, in any way, the plant cover of the islands of the tropical and subtropical Pacific, excluding those located close to the continents on both sides. This extends from Guadalupe, the Revillagigedo, Clipperton, Cocos, the Galapagos, and Desventuradas westward to the Bonins, Palau, Mapia, the Admiralties, Bismarck Archipelago, Louisiades, and islands of the Coral Sea. Excluded are Japan, the Riukius, Formosa, Philippines, East Indies, New Guinea, Australia, Kermadecs, Norfolk, Lord Howe, New Zealand, and Juan Fernandez. The last of these has been adequately treated in a recent monograph by Skottsberg (*Nat. Hist. J. Fern. Easter I.* 2: 793-960, 1953).

Since the amount of information available on different islands and island groups varies exceedingly, the treatment has correspondingly varied. For islands whose vegetation is relatively well-known fewer obscure or unimportant articles are included, especially where there have been adequate summaries which review the information previously recorded in not easily accessible sources. On the other hand, so little is available on some islands that tiny scraps of information and some of dubious value are listed. In any event, early explorers' and travelers' accounts are noted, where known, as all too little is available on the vegetation of most islands before the impact of European culture drastically altered it.

No attempt has been made to list floras and check-lists, unless they contain descriptive information on the vegetation. The importance of such works in the study of vegetation is fully recognized but it is felt that they are very adequately covered

by Blake and Atwood in the first volume of their List of floras of the world (U. S. Dept. Agr. Misc. Pub. 401: 1-336, 1942), by Merrill in his Botanical bibliography of the islands of the Pacific, and by the two other bibliographies in the present volume.

One of the principal values of this work is that it shows so well the state of our knowledge of the vegetation of the Pacific. Nowhere is it adequately known in the sense that European vegetation is known. For many islands, especially those in the New Hebrides, Solomons, Bismarck Archipelago, Admiralties, Cook Group and most of the myriad of small coral islands, almost nothing is known.

It will be noted that the index is only geographi-

cal. As with the indices to the other bibliographies the reader is cautioned to look in all the more inclusive categories for information pertaining to any particular island or island group. Use of the index may be made to gain a rough idea of how well-known is the vegetation of any particular island or archipelago.

The authors have seen and examined all papers listed, unless otherwise noted. The work on this bibliography has been done mostly on the authors' own time. Free use has, of course, been made of information collected for the other two bibliographies. The authors will welcome any additional references that are deemed pertinent.

SELECTED BIBLIOGRAPHY ON VEGETATION OF THE TROPICAL PACIFIC ISLANDS

Abe, N.

Ecological survey of Iwayama Bay, Palao.
Palao ... Studies 1: 217-324, 1937.

Above purely coral zones, distinguishes an *Enhalus* zone (*E. acoroides*), with algae, and above, mangrove zone (*Rhizophora apiculata*, *R. mucronata*, *Sonneratia caseolaris*). Presence of mangroves said to be related more to physical than to chemical nature of bottom sand or mud.

Abe, N., Eguchi, M. and Hiro, F.

Preliminary survey of the coral reef of Iwayama Bay, Palao.
Palao...Studies 1: 17-35, 1937.

Mentions a few plants, algae, *Enhalus*, etc, and shows some pictures of vegetation; detailed map of the bay.

Acosta Solís, M.

Galapagos, observado fitologicamente.
1-78, Quito, Ecuador, 1937.

Includes notes on environmental factors, description of vegetation (with a number of rather poor photos), notes on natural resources, and various recommendations. Smi: 581.986 A18.

Adamson, A.M.

Marquesan insects: environment.
Bishop Mus. Bull. 139: 1-73, 1936.

General description of geography, geology, and flora (including vegetation zones) followed by a detailed description of individual islands. Several photographs illustrate topography and vegetation.

Agassiz, A.

Reports on the dredging operations ... by the U.S. Fish Commission Steamer "Albatross" ... II. General sketch of the expedition of the "Albatross", from February to May, 1891.
Bull. Mus. Comp. Zool. Harvard. 23: 1-89, 1892.

Includes descriptions of the Galapagos Islands. Their vegetation is shown in several photos. One

photo of Cocos I.

Agassiz, A.

The islands and coral reefs of Fiji.
Bull. Mus. Comp. Zool. Harvard 33: 1-167, 1899.

Dredging and sounding expedition on the "Yaralla."
Many of the 112 plates show coastal vegetation.

The coral reefs of the tropical Pacific.
Mem. Mus. Comp. Zool. Harvard 28: 1-410, 1903,
plus 3 vol. plates.

The "Albatross" (1899-1900) visited successively the Marquesas, Tuamotus, Society, Cook, Tonga, Fiji, Ellice, Gilbert, Marshall, Caroline and Marianas. Many islands of these groups are described, with incidental mention of vegetation (mostly coastal vegetation) which is shown in most of the 236 plates. Charts.

Three letters from Alexander Agassiz to the Hon. George M. Bowers ... of the ... "Albatross."
Bull. Mus. Comp. Zool. Harvard 46: 63-84, 1905.

Description of soundings taken by "Albatross." Includes notes on flora and vegetation of Easter I., pp. 73-74, and brief, detailed description of topography of Mangareva with a few notes on vegetation, p. 81.

Reports on the scientific results of the expedition ... by the U.S. Fish Commission steamer "Albatross" ... October 1904, to March 1905 ... 5. General report of the expedition.

Mem. Mus. Comp. Zool. Harvard 33: 1-75, 1906 a.
Includes descriptions of the Galapagos Islands, Easter I. and Mangareva, with incidental mentions of vegetation. Charts, many plates, most of them incidentally showing vegetation.

The eastern tropical Pacific.

- Mem. Mus. Comp. Zool. Harvard 33: 1-75, 1906 b.
Includes photographs of some of the reef islets around Mangareva.
- Ahner, H.
Erinnerungen aus Samoa.
1. Land und Leute, 2. Politische und klimatische Verhältnisse, 3. Bewässerung und Bodenverhältnisse.
D. Kolon. Zeit. 2: 573-576, 640-643, 703-705, 1885.
Mostly about Upolu. Includes descriptions of vegetation, notes on climate, water supply and soils. Author was cotton planter in the Islands.
- Aitken, R. T.
Ethnology of Tubuai.
Bishop Mus. Bull. 70: 1-109, 1930.
The geographic sketch includes a word on vegetation. List of native names of plants with tentative identifications. Notes on agricultural plants.
- Alexander, J. M.
Mountain climbing on West Maui.
Hawaiian Annual 10: 32-34, 1889.
Includes brief notes on vegetation encountered on excursion.
- The islands of the Pacific.
1-515, New York, 1895; ed. 2, 1-369, New York, 1908.
Contains scattered information on geography, vegetation, economic plants, etc. with many good photographs. LC: DU21. A37;DU21. A39.
- Allardyce, W. L.
Rotooma and the Rotoomans.
Proc. R. Geogr. Soc. Australas. Queensl. Br. 1: 130-144, 1886.
Concerns mostly the inhabitants and their customs, but includes good, brief descriptions of islets, with mentions of plants and vegetation.
- Allen, W.
Rotuma.
Australas. Assoc. Adv. Sci. 6: 569-579, 1895.
General notes, with description of topography, a word on vegetation and economic plants, and account of native life.
- Allied Forces.
Annotated bibliography of the Southwest Pacific and adjacent areas.
2: 1-274, 1944.
Includes a few items pertaining to vegetation, citing the libraries where they can be found in Australia. LC: Z4501. A4.
- Allmon, C.
Shores and sails in the South Seas.
Nat. Geogr. Mag. 97: 73-104, 1950.
Some of the photos show vegetation of the Marquesas. Map.
- Alvarez Guerra, J.
De Manila à Marianas.
1-307, Madrid, 1887.
Description of a trip to the Marianas. Superficial and not too valuable. A superficial, not too accurate paragraph on the vegetation of Guam, p. 175. Description of the island, with a few plants mentioned (only Spanish names given) pp. 238-239. Peabody Inst.:919. 14 A47C Ma.
- Anderson, D.
The plants of Arno Atoll, Marshall Islands.
Atoll Res. Bull. 7: 1-4, 1-vii, 1951.
Includes a short account of the vegetation.
- Anderson, T.
The volcano of Matavau in Savaii.
Quart. Jour. Geol. Soc. London 66: 621-639, 1910.
Account of various eruptions especially that of 1905, and description of volcano and lava flows; includes pp. 634-635, account of damage to vegetation by poisonous gases; sketch-map of volcano and lava flows, photos of lava fields.
- Anderson, N.J.
Ein Weltumsegelung mit der Schwedischen Kriegsfregatte "Eugenie" 1851-1853.
1-384, Leipzig, 1854.
Translated into German by K. L. Kannegiesser. Account of Swedish expedition around the world. Includes visits to Hawaii, Tahiti, Friendly Islands, Mokil, Penape and Guam. Altogether little information on vegetation. See also Skogman, 1856. CY: S.22.99.
- Andrews, E. C.
Notes on the limestones and general geology of the Fiji Islands
Bull. Mus. Comp. Zool. Harvard, 38: 1-50, 1900.
Several of the 39 plates show vegetation.
- Anon.
The Hawaiian or Sandwich Islands in 1858.
Naut. Mag. 27: 405-414, 1858.
Brief geographical description of each island.

even the very small ones, of the main Hawaiian group, with some information of value on the condition of the vegetation. May be of interest in estimating some of the changes that have taken place.

Anon.

Bemerkungen über den Atoll von Ebon in Mikronesien.

Zeitschr. f. Allg. Erdk. Berlin n.s. 11: 216-218, 1861.

Not original, mostly compiled from Doane 1861. Gives some old names of atoll, with a word on vegetation. Cites Doane's list of plants for Ebon and Bikri islets.

North Pacific Ocean.

Naut. Mag. 37: 269-275, 1868a.

Collection of notices on Leeward Hawaiian atolls, with some information on the vegetation of Midway.

Die Austral-Insel Oparo oder Rapa im grossen Ocean.

Zeitschr. f. Allg. Erdk. Berlin III, 3: 175-178, 1868 b.

Account of the discovery and description of Rapa. A word on vegetation and plants, taken from the notes of a passenger on a mail steamer which called there.

On the botany of Tahiti.

Trans. Proc. N. Z. Inst. 6: App. lxvi-lxxx, 1874.

Anonymous notes found in W. Swainson's papers. Rebder (fide Merrill) credits them to J. Nadeaud. Interesting descriptions of vegetation of Tahiti.

Bemerkungen zur Kartenskizze des Atolls Nissan (Sir Charles Hardy-Insel).

Mitt. deutsch. Schutzgeb. 4: 65-66, 1891.

Map of the atoll, with a description of the island and a word on vegetation.

Eine Reise nach Neu-Mecklenburg und den westlichen Inseln.

D. Kolonialbl. 18: 514-519, 1907 a.

A trip from New Britain to the Admiralty Is. and islands to the west: Hermit, la Boudese,

Matty and Durour. Useful geographical notes, hardly a word on vegetation.

Anon. [Born?]

Der "Ngardok"-See und die Sage seiner Entstehung.
D. Kolonialbl. 18: 289, 1907 b.

Brief description of lake Ngardok in Palau with mention of vegetation around it.

Anon.

A trip on West Maui.

Parad. Pac. 25 (6): 17-19, 1912.

Popular account with some information and several good photographs of vegetation.

Withdrawal of Kahoolawe from the forest reserve.
Hawaiian For. Agr. 15: 106-107, 1918.

Remarks on the condition of the vegetation, and outlines a scheme for eliminating goats and "developing" the island.

The vegetation of the Sandwich Islands.

Gard. Chron. III, 68: 235, 1920.

A review of Hitchcock, A. S., 1919. Nothing on vegetation itself.

Les îles Wallis en Futuna.

Bull. Agence gale. Col. 19: 1429-1438, 1926.

General information, hardly any on vegetation; some mention of climate.

The Cook Islands.

N. Z. Jour. Sci. Tech. 9: 360-373, 1928.

Includes description of all the islands under New Zealand administration, with some mention of vegetation. Some of the information is reproduced in Robson's Yearbook.

Bibliography. Hawaii National Park.

Nat. Hist. Bull. (Hawaii Nat. Park) 5: 1-56, 1940.

Includes items on vegetation; annotated.

Vegetation on Midway.

Science II, 96: Suppl. 11, 1942a.

A brief note.

Midway plants.

Scient. Am. 167: 170, 1942 b.

Brief note. Mentions the invasion of Laysan by rabbits and destruction of its vegetation (1903).

Anon. (by direction of Smith, D. F.)

So this is Saipan.

1-37, Saipan 1947 (processed).

Very elementary geographical and ethnological handbook, contains notes on vegetation, many photographs.

Anon.

Photographs taken on Australian and Pacific island air routes.

Walkabout 15 (8): 21-28, 1949.

Include three aerial photographs of volcanoes near Rabaul, New Britain, showing vegetation.

Rarotonga: Pacific outpost.

N. Z. Geogr. 9: 79-83, 1953.

A series of photographs, most of them showing vegetation, especially cultivated vegetation.

Anson, G.

A voyage around the world in the years 1740 ... 1744.

1-417, London, 1748.

Edited by R. Walters, chaplain of the "Centurion." Marianas, pp. 304-344: Occasional descriptions of vegetation, superficial mentions of food plants. Illustrations. LC: G420. A5 rare books.

Anthony, A. W.

Avifauna of the Revillagigedo Islands.

Auk n. s. 15: 311-318, 1898.

Includes brief description of islands, with information on vegetation observed while exploring them, in 1897.

Archambault, M.

La Nouvelle-Calédonie touristique.

Océan. Franç. supplements to nos. 33-37: 1-40, 1914.

A guide to picturesque spots in New Caledonia; includes incidental mentions of vegetation, and photos showing it; the last part, pp. 33-40, concerns the Loyalty and New Hebrides. Map.

Armstrong, W. E.

Rossel Island: an ethnological study.

1-274, Cambridge, England, 1928.

Ethnological survey: introduction includes description of island, with brief notes on vegetation which is shown in some of the plates; sketch-map. Appendix I, history and bibliography, gives excerpts of various early accounts. LC: GN671.R6 A7.

Aso, Y.

[A preliminary study of the properties and formation of phosphate deposits on Tokobei Island].

[South Sea Development Company, 1937] (seen only as translation, pp. 1-19, filed in GS).

Includes description of island and notes on vegetation: palm belt, coppice (*Pisonia?*), Colocasia swamp. Map (attached to translation) shows distribution of vegetation. Photos not reproduced.

[-----]

[Phosphate ore].

1-365?, Tokyo, 1940 (translation filed in GS).

Extensive geological and mining engineering monograph, covering phosphate occurrence in the entire world, including Micronesian Islands, with, for these, geographical notes and brief description of vegetation.

Aubert de la Rbe, E.

Un archipel mélanésien: Les Nouvelles Hébrides. Bull. AFAS 65 (135): 175-180, 1936.

Includes general information on geography, geology, climate and vegetation.

Les divers aspects de la végétation aux Nouvelles Hébrides.

TerreVie? 45-62, 1937 a.

General notes, including description of geology, soils, climate, and main types of vegetation for the various islands. A few mentions of economic plants and native agriculture. Vegetation illustrated by several good photographs.

Le volcanisme aux Nouvelles Hébrides (Mélane). Bull. Volcan. II, 2: 79-142, 1937 b.

Includes a very few mentions of vegetation on volcanic substrata, a series of good photographs and a bibliography of geology.

Les Nouvelles Hébrides. Iles de cendre et de corail.

1-252, Montreal, 1945.

General account including mentions of vegetation, volcanism, soil, etc., mostly a general description of islands and islanders. LC: DU760. A77.

- Audran, H.**
Napuka et ses habitants.
 Bull. Soc. Et. Océan. 1 (3): 126-136, 1918.
 Includes brief notes on vegetation of Napuka and Tepoto.
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- Fakahina.**
 Bull. Soc. Et. Océan. 19: 227-235; 20: 251-259, 1927.
 Historical account; the first paragraphs include a brief description of the atoll, reported to be luxuriantly covered with coconut palms.
- Austen, L.**
 The Trobriand Islands of Papua.
 Austral. Geogr. 3 (2): 10-22, 1936.
 General notes, including description of geography, vegetation, cultures, etc., with a map and a few photos showing vegetation.
- Australia, Commonwealth Government.**
 Official handbook of the territory of New Guinea... 1-55, Canberra, 1943.
 Includes geographical description of Bismarck Archipelago, Bougainville and Buka. Very little information on vegetation, but on p. 157, mentions existence of a plantation of *Eucalyptus naudiniana* in New Britain near Rabaul as a forestry demonstration plot. AGS.
- Australia, Governor-General.**
 Report to the League of Nations on the Administration of the Territory of New Guinea 1-140, Melbourne, 1923.
 The report itself includes a chapter on geographical description with mentions of vegetation, devoted in part to the smaller islands of the Territory: Bismarck Archipelago, Buka and Bougainville. The Appendices (separately paged) include one on geology (See Stanley, E. R. 1923). LC: DU742.A8.
- Baalag, K.**
 Islands of adventure.
 1-312, London, 1941.
 Popular travel book, describing visits to various island groups, Pacific and Atlantic, with odd bits of information on vegetation that may be of importance on some of the less-known islands, summaries of historical accounts, etc., photographs, maps. LC: G477. B15, 1941.
- Balley, A. M.**
 Cruise of the Kinkajou.
 Nat. Geogr. Mag. 80: 338-366, 1941.
- Popular article with a brief statement, p. 352, on the vegetation of San Benedicto, Revillagigedo Is.
- Baker, J. R.**
 The northern New Hebrides.
 Geogr. Jour. 73: 305-325, 1929.
 Account of a visit to Espiritu Santo and Gaua. Very few mentions of vegetation, but useful information on environment (climate, volcanic activity, etc.) and photographs showing vegetation.
-
- Espiritu Santo, New Hebrides.**
 Geogr. Jour. 85: 209-233, 1935.
 Narrative of an expedition, with only very few mentions of vegetation, but useful notes on climate, penetrability, etc. Some of the photos show vegetation.
- Baker, J. R. and Baker, I.**
 The seasons in a tropical rain-forest (New Hebrides). Part 2. Botany.
 Jour. Linn. Soc. Zool. 39: 507-519, 1936.
 A general discussion with special reference to the times of flowering and fruiting of certain species. For a brief abstract see Proc. Linn. Soc. 148: 12-14, 1935. No description of vegetation.
- Baker, J. R. and Harrison, T. H.**
 The seasons in a tropical rain-forest (New Hebrides). Part 1. Meteorology.
 Jour. Linn. Soc. Zool. 39: 443-462, 1936.
 Notes on climate and meteorology, with data collected on Espiritu Santo.
- Baker, R. H.**
 A study of the rodent populations on Guam, Mariana Islands.
 Ecol. Monogr. 16: 393-408, 1946.
 Contains a brief description of the vegetation, and a vegetation map of a small study area on northern Guam. Several good photographs.
-
- Some effects of the war on the wildlife of Micronesia.
 Trans. 11th N. Am. Wildlife Conference 205-213, 1946.
 Includes data on the vegetation and the effects of the war on it.
- Balansa, B.**
 Ascension du Mont Humboldt (Cando des Nécalédoniens).
 Bull. Soc. Bot. France 19: 303-311, 1872.

- Narrative of a botanical excursion in New Caledonia. Includes descriptions of general environment and vegetation types encountered.
- Balansa, B.**
Nouvelle Calédonie.
Bull. Soc. Géogr. Paris 5: 113-132, 521-534, 1873 a.
General notes on the island, the second paper being devoted to Lifu. Include notes on soils, climate, vegetation, economic plants, etc.
- Sur la géographie botanique de l'Océanie et de la Nouvelle-Calédonie.
Bull. Soc. Hist. Nat. Toulouse 7: 327-332, 1873 b.
Brief notes, so general as to be unimportant.
- Baldwin, E. D.**
A trip to the summit of Mauna Kea.
Hawaiian Annual 16: 54-58, 1889.
Includes brief notes on vegetation encountered on the excursion.
- Baldwin, P. H.**
Environmental relationships of birds in the Kilauea Section, Hawaii National Park.
Nat. Hist. Bull. (Hawaii Nat. Park) 6: 1-26, 1940.
A study of the birds in relation to the vegetation zones and human influence on the region.
- Banks, J.**
Journal of the right Hon. Sir Joseph Banks
1-437, London, 1896.
Edited by J. D. Hooker. Account of Cook's first voyage (see Cook, 1893) briefly mentioning vegetation in certain of the Tuamotu and Society Is. LC: G420. C65 B2.
- Barnes, A. C.**
Noxious weeds and their control in Fiji.
Agr. Jour. [Fiji] 3: 112-121, 1930.
Includes a list of weeds, and notes on weed invasion of certain types of land, in various parts of Fiji.
- Beck, G. F.**
Flora des Stewart-Atolls im Stillen Ocean.
Ann. Naturhist. Mus. Wien 3: 251-256, 1888.
Enumeration of the plants collected by the Novara expedition, with several new species. A brief paragraph describes the island according to von Hochstetter's account of it, which see.
- Beebe, W.**
The Arcturus adventure.
1-439, N. Y., 1926.
Includes some information on the vegetation of the Galapagos Is., and Cocos I. LC: Q115. B3.
- Beechey, F. W.**
Narrative of a voyage to the Pacific and Bering's Strait, to co-operate with the polar expeditions; performed in His Majesty's ship "Blossom," under the command of Captain F. W. Beechey ... in the years 1825, 26, 27, 28.
1: 1-472, 2: 1-452, London, 1831.
In vol. 1: Easter, Ducie, Henderson, Pitcairn, Oeno, Crescent, the Gambier Group, are described with interesting observations on vegetation. Many of the Paumotu were visited and described. Lastly, visits to Tahiti and Hawaii. Vol. II contains sailing directions, tables of positions of islands visited, and meteorological observations. LC: G650. 1825 B41.
- Behm, E.**
Das Amerikanische Polynesien.
Petermanns Mitt. 1859: 173-194, 1859.
Extensive geographical compilation treating most of the atolls of the central Pacific, with incidental notes on vegetation of many of them; maps.
- Behrens, C. E.**
Reise durch die Südländer und um die Welt.
1-331, Frankfurt, Leipzig, 1737.
Narrative of Roggeveen's voyage, including accounts of visits to Juan Fernandez, Easter I., several of the Tuamotu, and Samoa, with very general remarks on their appearance, products, etc., some of which might be useful in interpreting their original vegetation. Chart of voyage. LC: G420. R77 B4.
- Behrens, C. F.]**
Histoire de l'expédition de trois vaisseaux
2 vols., La Haye, 1739.
French translation of Behrens 1737. LC: G420. R77 B5.
- Behrmann, W.**
Ozeanien: in, Kinte, F., Handbuch der geographischen Wissenschaft, Australien, Ozeanien
241-315, Potsdam, 1930.
Geography of the Pacific Islands. Some of the photographs show vegetation. AGS: 463.1.
- Belcher, E.**
Narrative of a voyage round the world, performed in Her Majesty's ship "Salphur" during the years 1836-1842
1: 1-387; 2: 1-474, London, 1843.

Detailed narrative with much information of value. Brief descriptions of Cocos I., where some seeds were planted, Clipperton, Socorro and Clarion; visits to the Hawaiian Islands (no description) and Marquesas. Bow Island (Hao, Tuamotus) is described. In vol. 2, visits to Tahiti, Rarotonga, Fiji, Guadalcanal, New Ireland and the small islands of the Bismarck Archipelago. Hardly any description of vegetation. See Hinds, 1843 for "The regions of vegetation." LC: G429. B3.

Bell, F. L. S.

Report on field work in Tanga.
Oceania 4: 290-309, 1934.

Cultural study of Boleang in the Tanga Group (E. of New Ireland). Includes a paragraph describing the island, with a word on vegetation and a few notes on climate, pp. 292-294.

Bellingshausen, F. F.

Two exploring expeditions in the Antarctic Ocean and a voyage around the world in the years 1819, 1820 and 1821 made in the sloops Vestok (Orient) and Mirnyi (Pacific) under the command of Captain Bellingshausen,
2 vols., St. Petersburg, 1831.

In Russian. Translation of title copied from tipped-in English title page in photostat copy in Library of Congress. For annotation see Debenham, 1945. LC: G850, 1819. B37.

Bennett, F. D.

Narrative of a whaling voyage round the globe, from the year 1833 to 1836, comprising sketches of Polynesia, California, the Indian Archipelago, with an account of southern whales, the sperm whale fishery, and natural history of the climates visited.
1: 1-402, 2: 1-395, London, 1840.

Vol. 1 includes scattered botanical notes; vol. 2 a descriptive catalog of plants collected during Tuccan's voyage (pp. 327-395), with native names and some notes on uses. Islands visited: Pitcairn (no description of vegetation), Society Islands (brief scattered mentions of vegetation), Hawaii, Marquesas, with brief description of vegetation, Caroline I. (365-378), described in detail, Christmas (noticing increased number of coconut trees). In vol. 2, new visits to Marquesas and Society Is. LC: DU21. B47.

Bennett, G.

Notices on the native plants of the island of Rotuma, southern Pacific Ocean.
Mag. Nat. Hist. 5: 92-97, 1832.

Includes brief descriptions of various species with notes on their cultivation and use with a word on vegetation.

Bennigsen, R. von

Bericht über eine Bereisung Neu-Mecklenburg.
D. Kolonialbl. 11: 630-637, 1900 a.

Account of an inspection trip to the small islands east of New Ireland (Gerritt Denys, San Francisco, Gardner, etc.), with mentions of vegetation.

Bericht über eine Reise nach den French-Inseln und der Nordküste von Neu-Pommern.

D. Kolonialbl. 11: 752-759, 1900 b.

Includes a word on vegetation of the French Group.

Strafexpedition nach Neu-Mecklenburg und den Admiralitäts-Inseln.

D. Kolonialbl. 11: 326-332, 1900 c.

Account of a punitive expedition to the Admiralty Islands. Includes a few words on vegetation.

Ueber eine Reise nach den deutschen und englischen Salomons-Inseln.

D. Kolonialbl. 12: 113-117, 1901.

Includes brief mentions of vegetation of some small islands near Bougainville and Buka, Buka, and several atolls north and northwest of Buka.

Benoit, P.

Océanie française.
1-152, Paris, 1933.

Includes many good photos illustrating topography and vegetation in French Pacific possessions: New Caledonia, New Hebrides, Society Is.; of the Marquesas and Tuamotus only one or two photos; text is of no interest in this connection. LC: DU50. B4.

Benson, G.

Sketch of Christmas Island, with a chart of the island.

Hawaiian Spectator 1 (2): 64-68, 1838.

Geographical description of the island, with notes on vegetation. Author was castaway there for over seven months.

Bernard, A.

L'archipel de la Nouvelle Calédonie.
1-458, Paris, 1895.

Includes chapters on physiography, climate, vegetation (pp. 195-215), flora, fauna, etc. Part on vegetation quite detailed but illustrations rather poor; clear geological and contour maps on large

scale. AA: VI B45.

Betche, E.

Vegetations-Character der Samoa Inseln.
Monatschr. Ver. Gartenb. Preuss. Staat. 24: 28-31, 74-77, 1881.

General notes on the vegetation, mostly about Upolu. Distinguishes coastal vegetation, with cultivated and strand plants, and mountain vegetation with dense forest rich in lianas and epiphytes. Notes on colonisation of lava flows by herbs and trees. Only in Sawai are there flows resisting invasion by vegetation (the most recent?)

Vegetationskizze der Marshalls-Inseln.
Gart. Zeit. Wirtmack 3: 133-134, 1884.

Brief description of vegetation. Many plants listed, the characteristic strand plants listed as such.

Birgham, F.

Die Inseln Kauai, Niihau, Kaula und Lehua
(Leeward-Inseln der Hawaii-Gruppe).
Petermanns Mitt. 24: 263-267, 1878.

Description of geography, with mentions of vegetation.

Birrell, K. S. and Wright, A. C. S.

A serpentine soil in New Caledonia.
N. Z. Jour. Sci. Techn. 27: 72-76, 1945.

Description of soil profile and analyses. Includes mention of scrub which grows on the soil, with list of species.

Black, R. H.

A survey of malaria in the British Solomon Islands Protectorate.

S. Pac. Comm. Techn. Pap. 33: 1-27+6, 1952.

Includes some brief notes on the vegetation of Rennell and Bellona Islands. Maps.

Blackie, W. J.

Soils of Fiji.
Comm. Bur. Soil Sc. Tech. Comm. 46: 54-58, 1949.

Brief account, with some correlation with vegetation.

Blackwood, B.

Report on field work in Buka and Bougainville.
Oceania 2: 199-211, 1931.

Includes a word on climate and vegetation in the brief topographical section.

Blackwood, B.

Both sides of Buka Passage.

1-624, Oxford, 1935.

Buka Island, and north of Bougainville Island.

Ethnological. Chapter I includes very brief description with superficial mentions of vegetation.

LC: GN671. S6 B55.

Blake, S. F. and Atwood, A. C.

Geographical guide to floras of the world.

Pt. 1: 1-336, Washington, 1942 (US DA Misc. Publ. no. 401).

Annotated bibliography, including works on islands of the Pacific, some of them offering information on vegetation. LC: Z5358. A12 B5.

Bloxam, A.

Diary of Andrew Bloxam, naturalist of the "Blonde" on her trip from England to the Hawaiian Islands 1824-25.

Bishop Mus. Spec. Publ. 10: 1-96, 1925.

Includes some general data on the vegetation of Hawaii. Brief mention of Malden and Mauke Islands. LC: QH198. H3 B5.

Bollig, L.

Die Bewohner der Truk-Inseln

Anthropos Ethn. Bibl. 3: 1-392, 1927.

Ethnological account of Truk, includes, pp. 140-147, a brief chapter on cultivation of main plants (coconut, breadfruit) and on pp. 223-227, a brief description of the group with mentions of vegetation and useful plants, climate.

Boothby, M. R.

A trip through the lowlands in New Caledonia.

Jour. New Zeal. Inst. Hort. 14: 12-15, 1944.

Includes very brief notes on the vegetation.

Bowers, N. M.

Problems of resettlement on Saipan, Tinian and Rota, Mariana Islands.

CIMA Rept. 31: 1-258, [Honolulu], 1950.

Dissertation, mainly human geography but with, pp. 23-25, a brief treatment of the vegetation entitled "Flora" and, pp. 216-220, lists of the floras of different "plant associations;" also some photos showing vegetation, poorly reproduced; bibliography. Smi: 506. 73. A2 P118.

The Mariana, Volcano, and Bonin Islands: in, Freeman, Geography of the Pacific, 265-235, 1951.

Contains brief accounts of the vegetation of the Marianas and Bonins.

Bowman, R. G.

Northern Melanesia: New Guinea and the Bismarck Archipelago: in, Freeman, *Geography of the Pacific*, 157-172, 1951.

Includes, pp. 170-171, brief notes on soil and vegetation of the Bismarcks.

Braak, C.

Klimakunde von Hinterindien und Insulinde: in, Köppen and Geiger, *Handbuch der Klimatologie*. 4 (R): 1-125, 1931.

Includes a summary of the climate of the Bismarck and Solomon Is. NYPL:PRB.

Bradtke, W.

The flora of a small tropical island

Queenland Nat. 2: 133-135, 1921.

List of 22 species from a sand bank ("Unnrum") near Kakabon Is. (in or near Duke of York Is.).

In 1917 there was also one coconut tree.

Brandege, T. S.

Voyage of the Wahlberg.

Zoe 5: 19-28, 1900.

Contains a very brief note on the vegetation of Guadalupe Island, with a short list of plants collected, also lists of plant species known from each of the Revillagigedo Is.

Branner, J. C.

Notes on the geology of the Hawaiian Islands.

Am. Jour. Sci. IV, 16: 301-316, 1903.

Mostly geological, some mention of vegetation, with several poorly reproduced photographs.

Brigham, W. T.

Notes on the volcanic phenomena of the Hawaiian Islands, with a description of the modern eruptions. Mem. Boston Soc. Nat. Hist. 1: 341-472, 1868 a.

Includes a comprehensive description of the islands, with much incidental information on their vegetation, and extensive quotations from eyewitness accounts of historical eruptions. Valuable for its careful observations and bearing on the history of vegetation.

The Hawaiian flora.

Haw. Club Pap. 1868: 45-48, 1868 b.

Floristic but with, p. 48, a very short description of the vegetational zonation.

The eruption of the Hawaiian volcanoes, 1868.

Mem. Boston Soc. Nat. Hist. 1: 564-587, 1869.

Extensive account of one of the most violent

modern eruptions with descriptions of great alterations in terrain and destruction of vegetation.

Brigham, W. T.

See also Mann, 1869.

An index to the islands of the Pacific Ocean.

Bishop Mus. Mem. 1: 1-170, 1900.

Alphabetical list of island names in the Pacific with brief descriptive note on each. Most useful for synonymy of earlier names of islands and islets. Introduction includes notes on history, geography, inhabitants, etc. of the Pacific islands; bibliography. LC: DU10. B85.

Brommiche, A.

Considérations générales sur la végétation de la Nouvelle-Calédonie.

Arch. Med. Nav. 41: 250-260, 1884.

General notes on flora and vegetation in New Caledonia. Said to be introduction to a medical flora of New Caledonia soon to be published.

Brown, F. B. H.

Botanical evidence bearing on submergence of land in the Marquesas Islands.

Proc. Pan-Pac. Congr. (Australia) 1923; 2: 1156-1160, 1924.

The evidence consists of observations on vegetation of coasts and other regions of the islands.

Flora of Southeastern Polynesia I. Monocotyledons.

Bishop Mus. Bull. 84: 1-194, 1931.

The chapter on geography of the Marquesan Islands includes paragraphs on topography, climate, soil, etc. and "rainfall and plant succession." Vegetation is illustrated in several of the photos.

Brown, G.

Notes on the Duke of York Group, New Britain and New Ireland.

Jour. R. Geogr. Soc. 47: 137-150, 1877.

General description with very brief mention of vegetation.

A journey along the coasts of New Ireland and neighbouring islands.

Proc. R. Geogr. Soc. London 43: 213-220, 1881.

General notes, with very little on vegetation.

George Brown, D. D. Pioneer, missionary and explorer, an autobiography.

1-536, London, 1908.

Mainly a narrative of mission activities but with casual notes and excellent photos showing vegetation of Samoa, New Britain, New Ireland, Fiji, Tonga, etc. Account of 1878 eruption at Blanche Bay with production of floating pumice, new island, its vegetation. LC: BV3672. B7 A3.

Brown, G.

Melanesians and Polynesians.

1-451, London, 1910.

Anthropological; chapter 1 gives short descriptions of Samoa, Tonga, Fiji, New Hebrides, Solomon Is., New Britain and British New Guinea, with some notes on vegetation, volcanic activity and soils. NYPL: QPH.

Brown, J. R.

Ocean Island.

Hawaiian Spectator 1: 336, 1838.

Geographical notes, with line on vegetation, chart of Ocean (Kure) I., by captain of ship wrecked there.

Brown, L. N.

The island of Misima.

Australia. Administr. of Papua Ann. Rept. 1922-23: 21-22, 1925.

Summary of topography, geology and natural history, with brief mention of vegetation. GS: 403 (930) q P15.

Bryan, E. H., Jr.

Kahoolawe, the island of dust.

Bishop Mus. Spec. Pub. 19: 13-14, 1931.

Briefly describes the vegetation, or lack of it, and the causes leading to this lack.

Hawaiian nature notes, ed. 2.

1-285, Honolulu, 1935 (ed. 1, 1933).

A collection of popular scientific articles (first pub. in Honolulu Advertiser) dealing with many aspects of the Hawaiian Islands, including considerable information on their vegetation. Bibliography. LC: QH198. H3 B67.

The plants of Guam.

Guam Record. 13 (8): 22-23, 1936.

This first installment of a descriptive catalogue of Guam plants contains a short introductory note on vegetation types.

Plant associations of Guam.

Bishop Mus. Spec. Pub. 31: 14-15, 1937.

A brief geographical abstract, with emphasis on the vegetation.

Bryan, E. H., Jr.

Natural history of the Phoenix Islands.

Bishop Mus. Spec. Publ. 34: 6-7, 1939 a.

Abstract with very brief notes on the vegetation.

Rose Atoll, U. S. A.

Parad. Pac. 51 (4): 9, 25-26, 1939 b.

Brief description with notes on vegetation; sketch map, photo.

Swains Island, U. S. A.

Parad. Pac. 51 (7): 5-8, 1939 c.

Includes brief description, with notes on vegetation; sketch map, photos.

The meager vegetation of Canton Island.

Parad. Pac. 52: (3) 26-27, 1940.

Description of island and its vegetation.

American Polynesia. Coral islands of the central Pacific.

1-208, Honolulu, 1941.

Originally published in a series of 45 weekly installments, in the Honolulu Advertiser, September 11, 1939, to July 15, 1940. For ed. 2 see the next entry. LC: DU510. B74.

American Polynesia and the Hawaiian chain.

1-253, Honolulu, 1942.

Revised and enlarged ed. of Bryan 1941. Popular and informative account of natural history of various islands in the central Pacific. Includes notes on climate and vegetation. Bibliography. Maps and photographs. LC: DU510. B73.

Geography of the Pacific.

1-100, Honolulu, 1944 a.

Popular elementary treatment, with considerable information on climate and vegetation, little of it for specific islands, but mostly quite generalized. Good brief summary. DA: 331 B84.

Revegetation of certain Marshall Islands.

1-6, 1-3, 1-6, 1-22, 1-2, 1-3, [Honolulu?], 1944 b. (mimeographed edition dated 1952.)

A memorandum to Central Pacific Base Command, making suggestions concerning revegetation, especially of war damaged areas on Kwajalein and Eniwetok; accompanied by sections on plant associations, and a check-list of plants seen by the author in the Marshalls in 1944; recommendations of plants to be introduced.

Bryan, E. H., Jr.

Plant life on central Pacific Atolls.

Proc. Hawaiian Acad. Sci. [16]: 8, 1945.

Abstract classifying atolls of central Polynesia climatically, with notes on vegetation.

Bryan, E. H., Jr. et al.

Insects of Hawaii, Johnston Island, and Wake Island.

Bishop Mus. Bull. 31: 1-94, 1926.

Includes notes on vegetation of Leeward Hawaiian Islands, Johnston and Wake, made on Tanager Expedition.

Bryan, L. W.

The Hilo forest reserve.

Hawaiian Pl. Rec. 36: 279-321, 1932.

Account of forestry activities on the island of Hawaii, with very many excellent photographs showing vegetation and trees used in reforestation.

Twenty-five years of forestry work on the island of Hawaii.

Hawaiian Pl. Rec. 51: 1-80, 1947.

Description and results of experimental forestry, principally a list of species experimented with and notes on their behavior. Photos. Ecological and historical introduction by H. L. Lyon on the covers of reprint.

Bryan, W. A.

A monograph of Marcus Island.

Occ. Pap. Bishop Mus. 2: 77-139, 1903.

A geographic description based on a visit in 1902, with map, short description of vegetation and list of such plants as the author was able to identify. The bulk of the article is a treatment of the zoological material collected.

Natural history of Hawaii
1-596, Honolulu, 1915.

Popular natural history, with some photos showing vegetation, and with sections three and four dealing with plant-life and agriculture. Bibliography. LC: QH198. H3 B7.

[Bülow, W. von]

Aus Samoa.

D. Kolon. Zeit. 13: 28-29, 1896.

Notes on economic plants and their culture. A brief paragraph describes the vegetation of a plateau ("Toafa") near Safotu in Savaii.

Die Dürre des Jahres 1896 auf der Insel Savaii.

Petermanns Mitt. 43: 68-70, 1897.

Remarks on a drought in Savaii in 1896, and its effect on crops, with notes on usual climatic conditions on the island.

Burcham, L. T.

Livestock grazing in the Russell Islands.

Jour. For. 45: 113-117, 1947.

Notes on ground cover of coconut plantations.

Observations on the grass flora of certain Pacific Islands.

Contr. U. S. Nat. Herb. 30: 405-447, 1948.

Mainly systematic but contains brief notes on the vegetation of Guadalcanal, Goodenough, New Britain, Russell Is., Peleliu, and New Caledonia. Based on personal observations of author.

Burkill, I. H.

[Vegetation of Kilauea crater, Hawaii].

Proc. Linn. Soc. London 138: 53-54, 1926.

Remarks on vegetation of lava flows of various ages, including very recent ones.

Burkill, I. H. and Crosby, C. S.

The flora of Vavau, one of the Tonga Islands.

Jour. Linn. Soc. Bot. 35: 20-65, 1901.

Enumeration with some new species, and a short description of the vegetation by Crosby.

Burnett, F.

Through Polynesia and Papua.

1-197, London, 1911.

Account of travel in the Society Is., Rarotonga, and the Solomon Is. Hardly any mention of vegetation but many photos, some of which show vegetation. LC: DU510. B8.

Burrows, E. G.

Ethnology of Futuna.

Bishop Mus. Bull. 138: 1-239, 1936.

Includes brief geographical description, with a word on vegetation. Map.

Burrows, E. G.

Ethnology of Uvea (Wallis Island).
Bishop Mus. Bull. 145: 1-176, 1937.

Pp. 8-10 include geographical description (detailed map), with mentions of vegetation and climate.

Topography and culture on two Polynesian Islands.
Geogr. Rev. 28: 214-223, 1938.

Uvea and Futuna. Includes brief mentions of vegetation.

The people of Ifalik

CIMA Rept. 16: 1-222, 1949 (unpublished).

Contains description of vegetation. Photographs.

Burrows, E. G. and Spiro, M. E.

An atoll culture. Ethnography of Ifaluk in the central Carolines.

1-355, New Haven, 1953 (offset by Human Relations Area Files).

Includes description of vegetation and climate, and photographs.

Buse,

Eine Reise nach den südlich von Palau gelegenen Inseln.

D. Kolonialbl. 21: 937-938, 1910.

Inspection trip of a government doctor. Briefly describes conditions on Sonserol and Tobi, with a note on vegetation and a paragraph on food-plants. Merir and Pulo-Ana: "in the middle of thick bushes, tall, dead coconut trees, a few young coconut trees, papayas, bananas, and no inhabitants."

Buxton, P. A.

Description of the environment: Insects of Samoa.
Pt 9 (1): 1-32, 1930.

Pub. by British Museum (Natural History). Includes description of islands, climate, flora, fauna, etc. Hardly any description of vegetation, but this is shown in several beautiful photos. LC: QL489. S3 B7.

Buxton, P. A. and Hopkins, G. H. E.

Researches in Polynesia and Melanesia. An account of investigations in Samoa, Tonga, the Ellice Group and the New Hebrides, in 1924-1925. 1-260, London, 1927.

A treatise on medical entomology, but with extensive notes on climate and geography, especially of Samoa and New Hebrides, some information on vegetation and photos showing it. AML.

[Byron, J.]

An account of a voyage around the world, in the years 1764, 1765, 1766 ... in His Majesty's ship the Dolphin ... in, Hawkesworth, 1: 1-130, 1773.

Includes brief notes on some of the Tuamotus, and Marianas (Tinian, Saypan, Aiguigan). On Tinian, very thick woods, difficult to cross. LC: G429. C65 H3, 1773.

Caillot, A. C. E.

Histoire de l'île Opare ou Rapa.
1-85, Paris, 1932.

Geographic and ethnologic with a very poor photo and only the briefest notes on vegetation; more on cultivated vegetation; notes on economic plants; included because of scarcity of information on Rapa. Author visited island in Nov. 1912. AGS.

Campbell, A. J.

A year in the New Hebrides

1-224, 1-30, Geelong, Melbourne, [1873].

General notes, including brief descriptions and mentions of vegetation of the New Hebrides and Maré. LC: DU760. C18.

Campbell, D. H.

A vacation in the Hawaiian Islands.

Bot. Gaz. 17: 411-416, 1892; 18: 19-25, 1893.

A popular account principally concerning the plant life, with description of the vegetation.

An extraordinary rainfall record.

Science n. s. 46: 511-512, 1917.

Compares high rainfall of Mt. Waialeale on Kauai, Hawaii, with light rainfall on leeward side of island; a paragraph on open bogs and cloud forest on the mountain.

The derivation of the flora of Hawaii.

1-34, Stanford Univ., 1919.

Phytogeographic, but with some consideration of vegetation, mainly after Rock. LC: QK473. H4 C2.

Some botanical and environmental aspects of Hawaii.

Ecology 1: 257-269, 1920.

Notes on vegetation and various factors influencing it, especially on Oahu, Kauai, Maui and Hawaii.

An outline of plant geography.

1-392, London, 1926.

- Regional description of vegetation of the world, superficial but useful, illustrated, with a few pages on the Pacific Islands, especially Hawaii. LC: QK 101. C15.
- Campbell, D. H.
Collecting liverworts in Hawaii.
Bryol. 30: 97-101, 1927.
Contains popularly written descriptions of vegetation where liverworts were found.
-
- The flora of the Hawaiian Islands.
Quart. Rev. Biol. 8: 164-184, 1933.
Includes brief descriptions of main vegetation formations recognized by Rock, pp. 169-174.
- Campbell, G. G.
Log letters from the "Challenger."
1-448, London, 1876.
Informal narrative, including much scattered information on aspect and vegetation of islands of Tonga, Fiji, New-Hebrides, Admiralty, Hawaii and Tahiti. LC: G420. C4 C18.
- Carson, R. L.
The birth of an island.
Yale Rev. 40 (1): 112-126, 1950.
Excellent popular discussion of oceanic islands, their history, biota and ecology.
-
- The sea around us.
1-230, N. Y., 1951.
Popular book containing occasional information on the ecology of islands. LC: GC21. C3.
- Carteret, P.
An account of a voyage around the world in the years 1766, 1767, 1768, 1769, . . . : in, Hawkesworth, 1: 623-676, 1773.
Ship: the Swallow; Carteret discovered or visited Mas-a-Fuera, Pitcairn, some of the Tuamotus, Santa Cruz group, various islands near New Britain and New Ireland. Brief descriptions, hardly any mention of vegetation.
- Catala, R. [L. A.]
Contribution à l'étude écologique des flocs coralliens du Pacifique Sud. Premiers éléments d'écologie terrestre et marine, des flocs voisins du littoral de la Nouvelle-Calédonie.
Bull. biol. France Belg. 84: 234-310, 1950.
Ecological monograph on Ile aux Canards, tiny coral islet off Noumea. Includes detailed descriptions of land and submarine vegetation, with maps and photos.
- Catala, R. L. A.
Rapport sur les îles Gilbert.
1-277, [Noumea], 1952 a (mimeographed).
Comprehensive report on agriculture and economic botany, with a short section on plant associations; photos, bibliography. Based on author's field work in 1951.
-
- Report on the Gilbert Islands.
1-195, 1-[8], [Noumea], 1952b (mimeographed).
A summary translation of Catala, 1952 a.
- Caum, E. L.
Notes on the flora and fauna of Lehna and Kaula Islands.
Occ. Pap. Bishop Mus. 11 (21): 1-17, 1936.
Contains a brief description of the vegetation, with some good photos.
- Cayley-Webster, H.
Through New Guinea and the cannibal countries.
1-387, London, 1898.
Narrative of travels in New Guinea and neighboring islands; includes descriptive notes with mentions of vegetation on Duke of York group, New Ireland, New Hanover, Kung, Admiralty Is., Gazelle Peninsula, Nissan, Solomon Islands. Appendices describe zoological collections. LC: DU740. W37.
- Chamberlin, R. T.
The geological interpretation of the coral reefs of Tutuila, American Samoa.
Carnegie Inst. Pub. 340: 145-178, 1924.
Purely geologic, but many good photographs showing vegetation.
- Chambeyron, L.
Note relative à la Nouvelle Calédonie.
Bull. Soc. Géogr. Paris 9: 566-586, 1875.
Description of topography and hydrography. Only brief superficial mentions of vegetation.
- Chamisso, A. von
Remarks and opinions . . . of the naturalist of the expedition: in, Kotzebue, A voyage of discovery . . . 3: 1-318, 436-442, 1821.
Includes information on vegetation of the Marshall Islands, description and brief mentions of vegetation of some of the Carolines and Tuamotus, Pearhyn, Easter and Sala y Gomez, and Hawaiian Islands.
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- Bemerkungen und Ansichten . . . von dem Natur

forscher der Expedition: in vol. 3 of Kotzebue, 1825.

See annotation for English, 1821 ed.

Chamisso, A. von

Notices respecting the botany of certain countries visited by the Russian voyage of discovery under the command of Capt. Kotzebue.

Bot. Misc. Hook. 1: 305-323, 1830.

"Translated from the German edition of the voyage." Includes brief mentions of vegetation of the Marshall, Caroline and Hawaiian Islands and Tikei (Tuamotus).

Reise um die Welt mit der Romanzoffischen Entdeckungs-Expedition . . . : in, Chamisso, Werke, 1: 1-366, 2: 1-351, Leipzig, 1842 (second ed.)

First edition, 1836, not seen.

Chamisso complained of errors and misstatements in the account of the voyage and published his notes independently. The first volume is entitled "Tagebuch" and mentions two visits to Radack and two visits to Hawaii with brief descriptions of vegetation. The second volume is composed of the same chapters as the part in Kotzebue, 1825, but appears to have been rewritten or at least modified. See Chamisso, 1821, 1825. LC: PT1834. A1, 1842.

Remarks and opinions respecting the Sandwich Islands.

Friend 19: 9-11, 14-16, 1862.

Extracted from Kotzebue's voyage, including brief notes on the vegetation; see Chamisso, 1821.

Cheesman, T. F.

The flora of Rarotonga, the chief island of the Cook group.

Trans. Linn. Soc. Bot. II, 6: 261-313, 1903.

Enumeration of the author's collections, with description of some new species. The introduction includes notes on topography, climate, and a description of the main general types of vegetation (summer of 1899).

Cheesman, L. E.

A contribution towards the insect fauna of French Oceania. Part I.

Trans. Ent. Soc. London 75: 147-161, 1927 a.

Introduction includes brief note on ecological conditions on islands visited, especially Napuka and Fakarava, especially valuable in view of lack of information on these atolls.

Cheesman, [L.] E.

Islands near the sun.

1-236, London, 1927 b.

Popular account of entomological collecting trip, with excellent descriptions of vegetation of Tahiti, Raiatea, and Borabora; photographs, maps. LC: DU870. C45.

Hunting insects in the South Seas.

1-243, London, 1932.

Notes on ecology of various Pacific Island insects; includes scattered descriptions of vegetation of New Hebrides, Tahiti, Nukuhiva. DA: 422.9 C41.

Malakula, New Hebrides.

Geogr. Jour. 81: 193-210, 1933.

Account of exploration of the New Hebrides, with mentions of vegetation, which is shown in several photos.

Camping adventures on cannibal islands.

1-168, London, 1949.

Popular book on the New Hebrides, with a few incidental notes on vegetation. LC: DU670. C47.

Cheyne, A.

Description of islands in the western Pacific ocean, north and south of the Equator.

1-198, London, 1852.

Descriptions include geographical notes on many islands, mentions of vegetation are brief and superficial; sounds much like a guide book. NYPL: BH.

[Chief Administrator Field Ter. Pac. Is.]

Carnivorous snail release on Agiguan Island.

1-6, [Truk], 1950 (mimeographed).

Account of Owen's visit to Agiguan, including description of island and remarks on vegetation.

Christian, F. W.

Exploration in the Caroline Islands.

Geogr. Jour. 13: 105-136, 1899 a.

Includes some mention of the vegetation of Ponsape and Kusale.

The Caroline Islands. Travel in the sea of the little lands.

1-412, London, 1899 b.

Valuable descriptive account, with very brief mentions of vegetation. LC: DU563. C5.

Christian, F. W.

The Caroline Islands.

Scott. Geogr. Mag. 15: 169-178, 1899 c.

Geographical account, with only brief mentions of the vegetation of Ponape.

Eastern Pacific lands; Tahiti and the Marquesas Islands.

1-269, London, 1910.

- Account of visits to a number of islands, with notes on plants, foods, native life, etc. The vegetation of the Marquesas is mentioned in several chapters, and some of the photographs illustrate it. LC: DU870. C5.

Christophersen, E.

Vegetation of Pacific equatorial islands.

Bishop Mus. Bull. 44: 1-79, 1927.

Include Washington, Christmas, Jarvis, Fanning, Palmyra, Baker, and Howland Islands. For each island, study of climate, soil (with profiles and analyses), detailed description of vegetation, and annotated list of plants.

Vascular plants of Johnston and Wake Islands.

Occ. Pap. Bishop Mus. 9 (13): 1-20, 1931.

General detailed description of vegetation and a critical enumeration of the species. Maps for both islands, and photos illustrating the vegetation.

Christophersen, E. and Caum, E. L.

Vascular plants of the Leeward Islands, Hawaii.

Bishop Mus. Bull. 81: 1-41, 1931.

Pp. 5-19: "Notes on the vegetation" for each island. Several of the photos show vegetation.

Chubb, L. J.

The geology of the Austral or Tubuai Islands (southern Pacific).

Quart. Jour. Geol. Soc. London 83: 291-316, 1927.

Includes description of physiography of Rapa and Rurutu. No mention of vegetation. Two views of Rapa. (St. George expedition).

Cloud, P. E., Jr.

Reconnaissance impressions of the geology of Guam, including remarks on water supply and fuel storage.

1-31, Saipan, 1948.

Memorandum for record presenting an excellent general outline of the geology of the island, with a geological map; includes a few remarks of a general nature on the vegetation. Selected bibliography.

Cloud, P. E., Jr.

Preliminary report on the geology and marine environments of Onotoa Atoll, Gilbert Islands.

SIM Rept. 12: 1-73, 1952 a (mimeographed).

Includes information on algal zones of reefs, and mentions of aspects of land vegetation associated with various soils studied. Map indicating algal zonation. Bibliography.

Preliminary report on geology and marine environments of Onotoa Atoll, Gilbert Islands.

Atoll Res. Bull. 12: 1-71, 1952 b.

A reissue of Cloud, 1952 a.

Codrington, R. H.

Islands of Melanesia.

Scott. Geogr. Mag. 5: 113-125, 1889.

General descriptive and historical account, mentioning recent cones of Ambrym, no longer active, covered with forest. Notes on economic plants but almost nothing on vegetation.

Cohn, L.

Beobachtungen von den Admiralitätsinseln.

Petermanns Mitt. 59: 315-320, 1913.

Detailed geographical description, with brief incidental mentions of vegetation. Map.

Collenette, C. L.

Sea-girt jungles.

1-275, London, 1926.

"The experiences of a naturalist with the St. George expedition." The ship visited the Galapagos, Cocos, Marquesas, Tuamotu, Society, Austral, Rapa and Easter Is., etc. There are occasional descriptions of vegetation, which is illustrated in some of the photos. LC: QH198.A1 C6.

Compton, R. H.

New Caledonia and the Isle of Pines.

Geogr. Jour. 49: 81-106, 1917.

General notes, including descriptions of geography, climate, resources, etc. There are mentions of vegetation and several photos illustrate it.

Conway, A. and Conway, F.

The enchanted islands.

1-280, N. Y., 1947.

Popular account of sojourn in the Galapagos, with some information on vegetation. LC: F3741. G2 C6.

Cook, J.

An account of a voyage round the world in the years 1768, 1769, 1770, 1771, in: Hawkesworth, 2: 1-410, 1773.

See Cook, 1893 and Banks, 1896.

Cook, J.

A voyage towards the South Pole and round the world...in the years 1772, 1773, 1774, and 1775. 2 vols., London, 1777.

Cook's second voyage; vol. 1: Cook successively passed or visited the Tuamotus, Society, Tonga, Easter, Marquesas, Tuamotus and Society. There are some notes on vegetation, natural and cultivated for Tahiti, Tonga and Easter. Vol. 2: Palmerston and Niue were discovered, exploration of the Northern Tonga, New Hebrides, New Caledonia and Isle of Pines. Some mentions of vegetation, especially for Niue, the New Hebrides and New Caledonia. LC: G420. C66, 1777.

A voyage to the Pacific Ocean...in His Majesty's Ships the Resolution and Discovery.... 1: 1-421; 2: 1-549, London, 1784.

Vol. 3 by J. King, which see; Cook's third voyage. Vol. 1 includes brief mentions of vegetation of Mangaia, Palmerston and some of the Tonga Is. Vol. 2 includes descriptions of vegetation of the Society and Hawaiian Is. and of Christmas I. LC: G420. C69, 1784.

Captain Cook's journal during his first voyage round the world made in the bark "Endeavour" 1768-71.

1-400, London, 1893.

Ed. by W. J. L. Wharton, with notes and introduction; first publication of Cook's journal; earlier account (1773) ed. by Hawkesworth, compiles observations of Cook, Banks and others, and notes by Hawkesworth himself. Includes brief descriptions of some Tuamotu atolls, Tahiti and other large Society Is. with very little information on vegetation; brief mention of Rurutu and Tubuai. LC: G420. C63, 1893.

Cook, O. F.

A new palm from Cocos Island collected on the presidential cruise of 1938.

Smiths. Misc. Coll. 98 (7): 1-26, 1939.

Rooseveltia frankliniana; some of the illustrations show the vegetation of Cocos; paper no. 6 by Schmitt, has also one photo of Cocos vegetation.

Cooke, C. M., Jr.

Mangarevan expedition report.

Bishop Mus. Bull. 133: 36-56, 1935.

Daily account by the expedition leader. In-

cludes brief notes on geography and vegetation of some little known islands (Tuamotus, Society Is., Pitcairn, Rapa, etc.) Reports by St. John, pp. 56-58, and Zimmerman, pp. 68-71, also contain a word on vegetation of some of the islands visited. Map showing itinerary.

Coolidge, H. J. ed.

Conservation in Micronesia:

1-70, Washington, 1948.

Collection of short papers by various authors containing various items on or related to vegetation, but no description of vegetation as such.

Corney, B. G.

The voyage of Captain Don Felipe Gonzalez...to Easter Island in 1770-1: preceded by an extract from Mynheer Jacob Roggeveen's official log of his discovery of and visit to Easter Island in 1722. 1-lxxvii, 1-176, Cambridge, 1908 (Hakluyt Society II, no.13).

A compilation of extracts from journals and official documents, mainly historical, but containing, as on pp. xlvii, 10, 137, 142, etc. brief notes on the vegetation which, on account of their early date, assume importance; bibliography of Easter I. and the Pacific. LC: G161. H2, II no. 13.

Corte y Ruano Calderon, F. de la

Memoria descriptiva é histórica de las Islas Marianas....

1-260, Madrid, 1875.

Geographical description, with individual treatment of the islands, including sections on their climate, vegetation, economic plants, etc. That of Guam quite comprehensive. Native and Spanish names used exclusively. In the vegetation sections, are mentions of introduced plants that are important in dating their introduction. In those on economic plants are native names and other items of interest. Original data. LC: DU645. C6.

Coulter, J.

Adventures on the western coast of South America... including a narrative of incidents at the Kingmill Islands, New Ireland, New Britain, New Guinea.... 2 vols., London, 1847.

Narrative of a whaling voyage, extremely informal and mostly unimportant, but with interesting incidental information on vegetation of various islands, including Cocos, Christmas, etc. LC: G530. C85.

Coulter, J. W.

Population and utilization of land and sea in Hawaii, 1853.

Bishop Mus. Bull. 88: 1-33, 1931.

Based largely on census figures, but contains scattered information of importance in reconstructing vegetation of that period and determining subsequent changes.

Coulter, J. W.

The relation of soil erosion to land utilization in the Territory of Hawaii.

Proc. 6th Pac. Sci. Cong. 4: 897-901, 1940.

Incidentally discusses changes in vegetation related to erosion and attempts to control it.

Eastern Melanesia: in, Freeman, Geography of the Pacific, 173-204, 1951.

Includes miscellaneous information on the vegetation of most of the islands; photographs; maps; bibliography.

Cox, L. M.

The island of Guam.

Bull. Am. Geogr. Soc. 36: 385-395, 1904.

General notes, with description of topography, mentions of economic plants and timbers, a word on vegetation. Map indicating possible land utilization.

Crampton, H. E.

Studies on the variation, distribution, and evolution of the genus *Partula*. The species inhabiting Tahiti.

Carnegie Inst. Pub. 228: 1-313, 1916.

Includes brief chapters on topography and climate, and incidental mentions of vegetation which is illustrated by several good photos.

A journey to the Mariana Islands - Guam and Saipan.

Nat. Hist. 21: 126-145, 1921.

Rambling account, including a few mentions of plants and some photos showing vegetation.

Studies in the variation, distribution and evolution of the genus *Partula*. The species of the Mariana Islands, Guam and Saipan.

Carnegie Inst. Pub. 228 A: 1-116, 1925.

Includes descriptions of environment, with notes on climate and vegetation. Photographs.

Studies on the variation, distribution and evolution of the genus *Partula*. The species inhabiting Moorea.

Carnegie Inst. Pub. 410: 1-335, 1932.

The notes on ecology include brief mentions of vegetation which is shown in many beautiful photos; maps.

Crosby, C. S.

Vegetation of Vavau: in, Burkill, The flora of Vavau.

Jour. Linn. Soc. Bot. 35: 21-24, 1901.

Detailed description of the vegetation, with a paragraph on climate.

Crossland, C.

The island of Tahiti.

Geogr. Jour. 71: 561-585, 1928.

Includes scattered mentions of vegetation observed on various excursions. Some photographs show vegetation.

Crozet,

Crozet's voyage to Tasmania, New Zealand, the Ladrone Islands, and the Philippines in the years 1771-1772.

1-148, London, 1891 (translated by H. L. Roth).

Includes description of Guam, with useful notes on forests in the center of the island and savannas resulting from clearing and grazing. LC: DU20.C95.

Curran, H. M.

The Maui forests.

Hawaiian For. Agr. 8: 185-187, 1911.

Brief report of survey, with attempt to explain the death of large areas of forest on the windward slopes of Haleakala.

Curton, E. de

Tahiti, terre française combattante.

1-102, London, 1942.

Geographical and historical notes on French Oceania; interesting for a number of photos showing vegetation of the Society Islands. An edition in English appeared at the same time as the French one. LC: DU870. C9.

Cuzent, G.

Iles de la Société. Tahiti: Considérations géologiques, météorologiques, et botaniques sur l'île ... 1-275, Paris, 1860.

Includes notes on geology, geography, climate, vegetation. Map. Cuzent was a French pharmacist. LC: DU870. C87.

Archipel des Pomotu.

Bull. Soc. Acad. Brest II, 9: 49-90, 1884.

Mostly a list of the islands of the archipelago (including Gambier Islands), with, for each, a brief

description including mentions of vegetation and plants; more detailed information on the main ones such as Anaa includes notes on economic plants; general paragraphs on climate and flora, pp. 85-86.

Cuzent, G.

L'archipel de la Société.

Bull. Soc. Acad. Brest II, 10: 101-195, 1885.

Historical account of the Society islands, with brief general description of the main islands, including a word on vegetation.

Däniker, A. U.

Neu-Caledonien, Land und Vegetation.

Viert. Naturf. Ges. Zürich 74: 170-197, 1929.

Important description of geography and vegetation. Reprinted in Mitt. Bot. Mus. Univ. Zürich 131: 170-197, 1929.

Die Loyalitäts-Inseln und ihre Vegetation.

Viert. Naturf. Ges. Zürich 76: 170-213, 1931.

Description of pertinent environmental factors (topography, climate, etc.) and detailed study of vegetation types found in the islands. Reprinted in Mitt. Bot. Mus. Univ. Zürich 137: 170-213, 1931.

Neu Caledonien.

Vegetationsbilder 25 (6): t. 1-9, 1939.

Photographs of various types of vegetation with annotations mentioning the main species.

Dahl, F.

Der Bismarck-Archipel in naturwissenschaftlicher Beziehung.

Sitzungsber. Ges. Naturforsch. Freunde Berlin 1: 123-131, 1897 a.

General notes, with a word on vegetation.

Ueber den Bismarck-Archipel.

Verhandl. d. zool. Ges. 7: 204-210, 1897 b.

General notes, with a few words on vegetation.

Daiber, A.

Eine Australien und Südseefahrt.

1-320, Leipzig, 1902.

Account of a voyage to Australia and China. Description of Ponape, with mentions of vegetation and plants. Account of visit to Saipan. The account of the Bismarck Archipelago includes casual mentions of vegetation (especially that of

Matupū), and economic plants. LC: DU22. D13.

Daingerfield, L. H.

Geography of the Hawaiian Islands.

Mid-Pac. Mag. 35: 343-348, 1928; 36: 49-64, 1928; 37: 57-64, 349-356, 1929; 38: 17-32, 1929.

Second part has brief description of climate, vegetation and agriculture of Oahu, following parts have similar descriptions for other islands. No mention of Leeward Chain.

Dakin, W. J.

The story of Nauru.

Walkabout 1 (March): 33-36, 1935.

One paragraph describes the island with superficial mention of vegetation.

Daly, R. A.

The geology of American Samoa.

Carnegie Inst. Pub. 340: 93-143, 1924.

Purely geological, but includes a number of photographs showing vegetation. Map.

Damm, H., Hambruch, P. and Sarfert, E.

Inseln um Truk (Polowat, Hok, und Satowal): in, G. Thilenius, Erg. Süds. Exp. II B 6, 2: 1-288, 1935.

Hardly any mentions of vegetation, beautiful photos showing it. LC: GN 662. T5.

Zentralkarolinen 2 (Ifaluk, Aureplik, Faraulip,

Sorol, Mogmog): in, G. Thilenius, Erg. Süds. Exp. II B 10, 2: 1-379, 1938.

The geographical parts briefly mention vegetation and plants for each group. Photos.

Dampier, W. [Penzer, N. M., ed.]

A new voyage around the world.

1-376, London, 1837.

First published, 1697; for other editions see Bibliography of Micronesian Botany. Includes, p. 76, notes on plants of the Galapagos, p. 83, brief notes on vegetation of Cocos Island. LC: G426. DS, 1937.

Dana, J. D.

Geology: in, U. S. Exploring Expedition 10: 1-756, Philadelphia, 1849.

Contains descriptions of many islands, mainly geological, but with scattered information on the vegetation of most of them.

On coral reefs and islands. I.

Am. Jour. Sci. 61: 357-372, 1851; (II) 62: 25-51,

1851.

Short geographical accounts of many coral islands with some suggestion of their vegetation; on p. 50 some more general information on vegetation and flora, especially of the Tuamotus and Rose Island.

Daniel, H.

Islands of the Pacific.
1-228, N. Y., 1943.

Geographic summary of the Pacific Islands, useful for general information; maps, but with no coordinates. LC: DU22. D3.

Dannell, C.

Zwei wenig bekannte Inseln östlich von St. Mathias im Bismarck-Archipel.
Petermanns Mitt. 48: 278-286, 1902.

Squally (Emiran I.) and Tench I. Discusses their position, citing previous texts where they were confused or badly identified. Occasional very brief mentions of vegetation.

Darby, H. C. et al.

Pacific Islands.
4 vols., [London], 1943-1945 (B. R. 519, Geographical Handbook Series).

General discussion of vegetation of Pacific Islands, in vol. 1; individual treatments for main groups and islands, with good photos and maps, in other volumes. GS: 804 G82 g.

Darwin, C.

Journal and remarks: in; Fitzroy, R., Narrative of the surveying voyages of His Majesty's ships Adventure and Beagle
III: 1-615, London, 1830.

First edition and first issue of Darwin's Journal. Includes notes on vegetation of the Galapagos Islands, and Tahiti. LC: G420. A2.

Journal of researches into the natural history and geology of the countries visited during the voyage of H. M. S. "Beagle" round the world under the command of Capt. Fitz Roy R. A.
1-519, London, 1832.

Includes observations on the vegetation of the Galapagos Islands and Tahiti. LC: QH11. D8, 1852.

David, Mrs. E.

Funafuti, or three months on a coral island.
1-318, London, 1899.

A few photographs showing vegetation, and incidental popular notes. LC: DU590. D2.

David, T. W. E. and Sweet, G.

The geology of Funafuti: in, Royal Society of London, The atoll of Funafuti, 61-88, appendix 1: 89-111, appendix 2: 112-124, 1904.

Detailed description, with some good photos. Appendix 1 describes in detail the various islets, with incidental notes on vegetation; appendix 2 explains the lettering of the maps (in separate folder) some of which have a few notations of vegetation.

Davillé, E.

La colonisation française aux Nouvelles Hébrides.
1-176, Paris, 1895.

Includes a few observations on the vegetation and plant products, with emphasis on commercial and agricultural aspects; some excellent photos showing vegetation. AA: Vg B28.

Davis, C. M.

Coconuts in the Russell Islands.
Geogr. Rev. 37: 400-413, 1947.

Study of coconut plantations in the islands. Includes topographic description, and very brief, incidental mentions of original vegetation.

Davis, W. M.

The coral reef problem.
1-596, N. Y., 1928 (Amer. Geogr. Soc. Sp. Pub. 9).

Comprehensive review of geology of both low and high islands, insofar as it has a bearing on theories of origin of reefs and atolls, but with incidental information on vegetation of many islands, especially in photographs. Bibliography, maps. LC: QE 565. D3.

Debenham, F. ed.

The voyage of Captain Bellingshamen to the Antarctic Seas 1819-1821.

2 vols., 1: 1-xxx, 1-259; 2: 261-474, London, 1845 (Hakluyt Society II, nos. 91, 92).

English translation of the Russian journal, with accounts of a number of the Tuamotus, Society Islands, several of the central Polynesian islands, Tonga, with incidental remarks about the vegetation. Maps of most of the islands visited. LC: G161. H2, II nos. 91, 92.

[Deck, N.]

Mennell Island.

Geogr. Jour. 57: 474-476, 1921.

Brief notes based upon visits from 1908 to 1911. Includes short description with mentions of vegetation. Lake water said to be salty though the natives drink it. Sketch map.

Deeken, R.

Manua Samoa. Samoanische Reiseskizzen und Beobachtungen.
1-240, Oldenburg, 1902.

Account of author's visit to Samoa; includes very little information on vegetation, but some notes on climate, and a number of photos incidentally showing vegetation. LC: DU813. D31.

Die Karolinen.

1-140, Berlin, 1912.

Monographic, partly based on author's observations. Includes scattered mentions of vegetation. Photographs. LC: DU583. D4.

Degener, O.

Illustrated guide to the more common or noteworthy ferns and flowering plants of Hawaii National Park

1-312, Honolulu, 1930.

Information on vegetation scattered through the book; a few photos.

The last cruise of the "Cheng-Ho."

Jour. N. Y. Bot. Gard. 44: 197-213, 221-232, 1943.

Popular account of a botanical collecting trip in Fiji with mentions of vegetation. Some of the photographs show vegetation.

Plants of Hawaii National Park illustrative of plants and customs of the South Seas.

1-314, Ann Arbor, 1945 (offset).

Second ed. of Degener, 1930 which see. LC: QK473. H4 D4, 1945.

Naturalists's South Pacific Expedition: Fiji.

1-303, Honolulu, 1949.

Narrative of author's expedition on the Cheng-Ho. Account of modern Fiji, with much ethnobotanical material and incidental descriptive information on the vegetation. Some of the photographs show vegetation. LC: DU600. D42.

Degener, O. and Hatheway, W. [H.]

Die Flora des Cantonatolls.

Rev. Sudam. Bot. 10 (2): 33-37, [1952].

Enumeration of plants seen and specimens collected in 1950 and 1951. Includes brief notes on vegetation, which is shown in two of the poorly reproduced photos.

Deland, C. C.

Isle of Bougainville.

Proc. R. Geogr. Soc. Australas. S. Austr. Br. 37: 91-95, 1937.

Description, with casual mentions of vegetation.

Derrick, R. A.

The Fiji Islands.

1-334, Suva, 1951.

Detailed geographical treatment of the archipelago, with a short account of the vegetation, a consideration of climate, and many excellent photographs showing vegetation; maps. LC: DU600. D448.

Deslongchamps, E.

Documents sur la géologie de la Nouvelle Calédonie.
Bull. Soc. Linn. Normandie 8: 332-378, 1864.

Includes brief notes on topography, and general aspect of vegetation.

Diels, L.

Bericht über die Fortschritte in der Geographie der Pflanzen.

Geogr. Jahrb. 33-51: 1910-1936.

Continuation of Grisebach, 1866-1876, and Drude, 1878-1905, which see.

Dill, H. R. and Bryan, W. A.

Report of an expedition to Laysan Island in 1911.

U. S. D. A. Biol. Surv. Bull. 42: 1-30, 1912.

Includes notes on vegetation and ecology, and results of introduction of rabbits. Photographs and map.

Dixon, W. A.

Notes on the meteorology and natural history of a guano island.

Jour. Proc. R. Soc. N. S. W. 11: 165-175, 1877.

Malden Island. Includes description, and p. 171. paragraph on vegetation.

Doane, E. T.

Remarks upon the atoll of Ebon, in Micronesia.

Am. Jour. Sci. II, 31: 318-325, 1861.

Description of Ebon with valuable notes on vegetation and plants.

Donaghho, W. R.

Journal of the 1938 Line Island expedition.

Elepaio 13: 22-25, 34-36, 43-44, 48-50, 60-62, 66-69, 1952-1953.

Includes brief mention of vegetation and plants on Howland, Canton, Enderbury, Hull, Swains, Atafu, Rose, Pukapuka and Jarvis.

Douglas, A. J. A., and Johnson, P. H.

The South Seas of today.

1-296, London, 1926.

An account of the St. George expedition, with information on various islands, especially the Galapagos, Marquesas, Societies, and Australs, with some observations on vegetation and excellent photographs; maps. LC: DU510. D6.

Douglas, D.

Voyage from the Columbia to the Sandwich Islands, and the ascent of Mauna Roa: in, Hooker, W. J., *A brief memoir of the life of Mr. David Douglas, with extracts from his letters.*

Comp. Bot. Mag. 2: 161-177, 1836.

Contains much information on the vegetation, observed during Douglas' ascent of Mauna Loa, Hawaii.

Journal kept by David Douglas during his travels in North America 1823-1827

1-364, London, 1914.

Appendix II, pp. 298-317, is an account of his ascent of the volcanoes of the island of Hawaii, with extensive and valuable observations on their vegetation. LC: QK110. D7.

Douglas, J.

Notes on a recent cruise through the Louisiade group of islands.

Trans. Proc. R. Geogr. Soc. Australas. Victorian Br. 5 (1): 46-59, 1887.

General notes, with occasional brief mentions of vegetation and map.

Drake del Castillo, E.

Illustrationes florae insularum Maris Pacifici.

1-457, Paris, 1886-1892.

For exact dates of 7 fascicles see Stearn, W. T., *Jour. Soc. Bibl. Nat. Hist.* 1: 202, 1939. The introduction contains a discussion of the vegetation of the Pacific Islands, contrasting that of the high islands with that of the low ones; main body is series of plates of individual species, with notes and a list of flora. NYBG.

Drude, O.

Bericht über die Fortschritte in der Geographie der Pflanzen.

Geogr. Jahrb. 7-28: 1878-1905.

Continuation of Grisebach 1866-1876, which see.

Handbuch der Pflanzengeographie.

1-582, Stuttgart, 1890.

World treatment of vegetation, with the main physiognomic types discussed, with consideration of their climatic basis; rather little direct reference to Pacific Islands, except for a brief chapter "Das Ozeanische Florenreich," pp. 546-556. Abundant bibliographic notes.

Drude, O.

Manuel de géographie botanique, traduit par Georges Potrault et revu et augmenté par l'auteur.

1-552, Paris, 1897.

A French translation of the preceding entry.

Dudley, W. R.

Report on the plants of Guadalupe Island; in; Jordan, D. S., The fur seals and fur-seal islands of the North Pacific Ocean, 3: 280-283, 1900.

Short account of the vegetation, with a list of species of plants with ecological notes, and a map with unexplained symbols which may indicate tree species. LC: SH361. U5.

Dumont d'Urville, J. S. C.

Histoire du Voyage, 4: 1-760, Paris, 1832; 5: 1-716, 1833; in; *Voyage de découvertes de l'Astrolabe ... 1830-1835.*

Vol. 4: Describes visit to Tonga and Fiji islands with very few mentions of vegetation; brief mentions of Bismarck Archipelago. Vol. 5: description of Tikopia, and account of long stay in Vanikoro (search for traces of Laperouse's ships), with occasional brief mentions of vegetation and economic plants. LC: Q115. D92.

Voyage pittoresque autour du monde.

1: 1-576, 1834; 2: 1-584, Paris, 1835.

Popular account of an imaginary voyage around the world, meant to sum up accounts of a great many voyages such as those of Dampier, Cook, Dumont d'Urville, etc. Includes mentions of vegetation. LC: G560. D8, 1834.

Croisière du schooner le Dolphin dans les lies de l'océan pacifique, par le lieutenant H. Paulding.

Bull. Soc. Géogr. Paris 19: 144-157, 1833.

Review and discussion of Paulding's account which see.

Voyage autour du monde.

1: 1-550; 2: 1-542, Paris, 1853.

A new and revised edition of the *Voyage pittoresque*, 1835. LC: G560. D8, 1853.

Dutton, C. E.

Hawaiian volcanoes.

U. S. Geol. Surv. Ann. Rept. 4: 75-219, 1884.

Detailed account of a survey of volcanism on three of the main Hawaiian islands, with scattered information on the vegetation, on factors influencing it such as volcanism, climate, and introduced animals, and on agriculture, with maps and photos showing aspects of some of these. Valuable as information on the condition of the vegetation in 1882.

E., M.

One hundred and fiftieth anniversary of the "Bounty" expedition.

Gard. Chron. III, 164; 305-306, 1938.

Includes notes on botany of Pitcairn Island. Mentions that many trees were cut down and that this affected rainfall and fertility of soil.

Eastwood, A.

Studies in the flora of Lower California and adjacent islands.

Proc. Calif. Acad. Sci. IV, 18: 393-484, 1929.

Includes history of botanical exploration of Guadalupe I., a word on vegetation, mentioning disastrous effect of goats, and photos showing vegetation. Separate LC: QK211. E3.

Edmondson, C. H.

The ecology of an Hawaiian coral reef.

Bishop Mus. Bull. 45: 1-64, 1928.

Mainly a study of the biology of the corals of Waikiki Reef, Oahu, with, pp. 5-8, 63, some remarks on the occurrence, abundance, and role of algae; different idea of their importance than that of Pollock, 1928. Map showing Lithothamnium ridge.

Egler, F. E.

Oahu vegetation: its past, present and future.

Bull. Ecol. Soc. Am. 18: 56, 1937.

An abstract.

Vegetation zones of Oahu, Hawaii.

Emp. For. Jour. 18: 44-57, 1939.

Careful and critical discussion of vegetation with much attention to philosophy behind concepts used by author and others.

Unrecognised arid Hawaiian soil erosion.

Science 94: 513-514, 1941.

Discussion of erosion in relation to vegetation,

past and present.

Egler, F. E.

Indigene versus alien in the development of arid Hawaiian vegetation.

Ecology 23: 14-23, 1942 a.

A general discussion of role of introduced plants and animals in vegetational development.

Vegetation as an object of study.

Philos. Sci. 9: 245-260, 1942 b.

Important discussion of basic concepts (no mention of Pacific).

Hawaiian vegetation zones. A review of "Vegetation zones of Hawaii" by J. C. Ripperton and E. Y. Hosaka.

Geogr. Rev. 34: 333-335, 1944.

Merely a description of the paper.

Arid southeast Oahu vegetation, Hawaii.

Ecol. Monogr. 17: 383-435, 1947.

Comprehensive description and discussion, with extensive list of references.

Eilers, A.

Inseln um Ponape (Kapingamarangi, Nukuor, Kgatik, Mokil, Pingelap): in, G. Thilenius, Erg. Süds. Exp. II B8: 1-464, 1934.

Includes description of atolls with mentions of vegetation and lists of plants. Photos and maps of interest.

Westkarolinen: in, G. Thilenius, Erg. Süds. Exp. II B 9, 1 (Sengosor, Pur, Merir): 1-405, 1935; 2 (Tobi, Ngulu): 1-351, 1936.

Descriptions of islands include brief mentions of vegetation, lists of plants. Interesting photos of vegetation.

Ellis, A. F.

Ocean Island and Nauru: their story. 1-318, Sydney, 1935.

Popular account, principally of the phosphate industry, but with historical and geographical notes and incidental mentions of plants and vegetation. Bibliography. LC: DU615. E4.

Adventuring in coral seas.

1-264, Sydney, 1937 (ed. 2).

- Reminiscences of author's experiences on guano islands; includes some mentions of vegetation of Baker, Howland and Phoenix Is. Many photos. LH: H919.6 E15.
- Ellis, A. F.
Mid-Pacific outposts.
1-303, Auckland, 1946.
The story of Nauru and Ocean islands during World War II. Includes notes on other islands, Gilberts, Ellice, Phoenix, etc. There are some mentions of plants and vegetation, interesting photographs. LC: DU767.9. E4.
- Ellis, W.
Polynesian researches, during a residence of nearly eight years in the Society and Sandwich Islands.
3 vols. London, 1829; 4 vols. N. Y., 1831 (2nd ed. 4 vols. London, 1842; new ed. enlarged and improved 4 vols. London, 1850).
General account, with scattered information on aspect of islands and their vegetation. LC: DU610.E46.
- Elschner, C.
Corallogene Phosphat-Inseln Austral-Oceaniens.
1-118, Lübeck, 1913.
Description of Pacific phosphate islands, with emphasis on Nauru. Many illustrations, some of them showing vegetation on Nauru, Ocean and Makatea. LC: QE565. E6.
- The Leeward Islands of the Hawaiian group.
1-68, Honolulu, 1915 (reprinted from the Honolulu Advertiser, 1915).
Very generally informative, mainly geological but includes information on the vegetation from the author's own observations. LC: DU623. E52.
- Emory, K. P.
The island of Lanai; a survey of native culture.
Bishop Mus. Bull. 12: 1-129, 1924.
The geographical sketch includes a paragraph mentioning vegetation.
- Archeology of Nihoa and Necker Islands.
Bishop Mus. Bull. 53: 1-124, 1928.
Contains some notes on the vegetation and several good photographs.
- The Kapingamarangi people.
- CIMA Rept. 8: 1-276, 1948 (unpublished).
Contains treatment of vegetation; photographs.
- Erdland, A.
Die Marshall-Insulaner.
Anthropos Ethn. Bibl. 2 (1): 1-376, 1914.
Chapter on geography includes mentions of vegetation, plants and climate.
- Evans, G.
The characteristic vegetation of recent volcanic islands in the Pacific.
Kew Bull. (1939): 43-44, 1939.
Brief note on Long Island (Bismarck Arch.) with description of vegetation and notes on character and origin of plants.
- Fagerlind, F.
Some reflections on the history of the climate and vegetation of the Hawaiian Islands.
Svensk. Bot. Tidskr. 43: 73-81, 1949.
A critical discussion of Selling, 1946-1948.
- Fagerlund, G. O.
The exotic plants of Hawaii National Park.
Nat. Hist. Bull. (Hawaii Nat. Park) 10: 1-62, 1947.
Contains a short description of the vegetation of the park, with considerable information on the introduction and ecology of exotics.
- Fagerlund, G. O. and Mitchell, A. L.
A checklist of the plants, Hawaii National Park, Kilauea-Mauna Loa section; with a discussion of the vegetation.
Nat. Hist. Bull. (Hawaii Nat. Park) 9: 1-76, 1944.
Introduction includes description of plant formations and communities, discussion of altitudinal zonation and vegetational changes.
- Falke, H.
Die Insel Sala y Gomez.
Natur u. Volk 71: 146-159, 1941.
Brief description of island, with notes on geology, mentioning absence of vegetation. Photos.
- Fechner, E. A.
Die beiden Uveas.
Erdball 5: 268-271, 1931.
Notes on Uvea (Loyalty Islands) and Uvea (Wallis). Some notes on plants and a word on vegetation of the latter.
- [Finsch, O.]
Dr. Finsch's zweite Fahrt im Dienste der Neuguinea-Kompanie.

D. Kolon. Zeit. 2: 701-703, 1885 a.

A trip around New Guinea to New Britain. Includes description of the coast of New Britain with incidental mentions of vegetation and plants.

[Finsch, O.]

Vom Kaiser Wilhelms-Land und Bismarck-Archipel.

D. Kolon. Zeit. 2: 501-503, 1885 b.

A trip along the north coast of New Guinea and to New Britain. Includes very brief mentions of vegetation on some of the small islands: Dampier, French group, Crown I., Long I.

[-----]

Vom Kaiser Wilhelms-Land und Bismarck-Archipel 4.

D. Kolon. Zeit. 3: 11-18, 1886.

A trip along the north coast of New Guinea. Includes incidental mentions of vegetation on the small islands along the coast: d'Urville, Guap, Vulkan, Aris, etc.

Fisher, H. I.

Populations of birds on Midway and the man-made factors affecting them.

Pac. Sci. 3: 103-110, 1949.

Extensive observations on the ecology of the island, including vegetation, especially the effects of war activities. Bibliography.

Fisher, H. I. and Baldwin, P. H.

War and the birds of Midway Atoll.

Condor 48: 3-15, 1946.

Description of bird population in May 1945, and its ecology; includes notes on changes of vegetation in recent years.

Fisher, W. K.

Birds of Laysan and the Leeward Islands, Hawaiian Group.

U. S. Fish Comm. Bull. 23: 769-807, 1903.

Includes notes on, and photographs of vegetation of Laysan, Necker and Nihoa.

Forbes, C. N.

Notes on the naturalized flora of the Hawaiian Islands.

Occ. Pap. Bishop Mus. 4: 323-334, 1911.

A few remarks on effect of naturalized plants on the indigenous vegetation with a list of additions to naturalized flora recorded since Hillebrand.

Forbes, C. N.

Preliminary observations concerning the plant invasion on some of the lava flows of Mauna Loa, Hawaii.

Occ. Pap. Bishop Mus. 5: 15-23, 1912.

Excellent discussion of occurrence of plants, soil development, effect of cattle. Suggests successional relations.

An enumeration of Nihaan plants.

Occ. Pap. Bishop Mus. 5: 99-118, 1913 a.

Brief notes on vegetation, with list of species, photos, and map.

Notes on the flora of Kahoelawe and Molokini.

Occ. Pap. Bishop Mus. 5: 85-97, 1913 b.

A list with notes, and brief description of vegetation.

Plant invasion on lava.

Mid-Pac. Mag. 7: 360-365, 1914.

Informative popular discussion of succession of vegetation on Hawaiian lava flows; photographs.

Notes on *Marrilea villosa* Kaulf.

Occ. Pap. Bishop Mus. 7: 47-49, 1920.

From Oahu, Hawaii. Remarks on the occurrence of this species as well as its systematic position.

Salient features of Hawaiian botany.

Bishop Mus. Sp. Pub. 7: 125-130, 1921 (Proc. First Pan-Pac. Sci. Conf. Honolulu, 1920).

General information on nature, successions and changes of Hawaiian vegetation.

Forster, G.

A voyage round the world ... during the years 1772, 3, 4, and 5.

1: 1-602, 2: 1-607, London, 1777.

Forster was one of the botanists on Cook's second voyage. Account mentions visits to various Pacific Islands (see Cook, 1777) with some botanical information including scattered references to vegetation (Tahiti, Easter, Takaroa, Tonga, New Hebrides, New Caledonia). LC: G420. C68 F7.

Forster, J. R.

Observations made during a voyage round the world

1-649, London, 1778.

General discussion of natural history, anthropology, philosophy, containing some of the earliest information on vegetation of the Pacific Islands. Author was naturalist on Cook's second voyage. LC: Q157. F73.

Fosberg, F. R.

Plant collecting on Lanai, 1935.
Mid-Pac. Mag. 49: 119-123, 1936 a.

A popular account, but with description of the vegetation, contrasting its condition at the time with that described in earlier accounts, with discussion of the reasons for the recovery; photographs.

Vegetation of Vestok Island, central Pacific.
Bishop Mus. Spec. Pub. 39: 19, 1936 b.
A brief abstract.

Botanical report on Micronesia.
U. S. Commercial Company Economic Survey of Micronesia 13-1 (I and II): 1-349, figs. 1-447, 1946 [1947 a] (unpublished, actual date of completion Feb. 1947).

Preliminary account of findings, including recommendations, descriptive account of vegetation, general and by islands, annotated lists of economic plants, list of native names and botanical equivalents, bibliography of Micronesian botany. Typescript. Copies in U. S. Navy files, and several libraries, several photostats.

Micronesian mangroves.
Jour. N. Y. Bot Gard. 48: 128-138, 1947 b.
Popular descriptive account of mangrove vegetation of Micronesia generally, and in particular that of Garamiscan River, Palau.

Immigrant plants in the Hawaiian Islands. II.
Univ. Hawaii Occ. Pap. 46: 1-17, 1948.
Contains data on the establishment and spread of exotics in Hawaiian vegetation, and on the development of mangrove swamps there.

Atoll vegetation and salinity.
Pac. Sci. 3: 89-92, 1949.
Discusses distribution and character of vegetation of atoll islets in relation to salinity of groundwater. Largely based on study of Micronesian atolls.

Fosberg, F. R.

Flora and vegetation of coral atolls.
Atoll Res. Bull. 1: 13-14, 1951 a.

Briefly discusses vegetation of atolls and problems concerning it that need investigation.

Land ecology of coral atolls.
Atoll Res. Bull. 2: 7-11, 1951 b.

Attempts to present a general account of the development of vegetation on atolls.

Directions for studying vegetation and flora.
Atoll Res. Bull. 17: 44-56, 1953 a.
Contains brief description of vegetation of coral atolls.

Vegetation of central Pacific atolls, a brief summary.
Atoll Res. Bull. 23: 1-26, 1953 b.
General account, describing principal plant communities, based mainly on information gathered in Marshall Is.

Vegetation, agriculture, and soils of atolls.
Eighth Pac. Sci. Congr. Abstr. 113-114, 1953 c.
Abstract of paper prepared for symposium, general summary of vegetation, mainly based on observations in Marshall Islands.

The vegetation provinces of the Pacific Basin.
Eighth Pac. Sci. Congr. Abstr. 149-150, 1953 d.
Abstract of introduction to symposium, briefly discusses concepts in regional studies of vegetation and the subdivision of the Pacific basin into convenient units.

Vegetation of the oceanic province of the Pacific.
Eighth Pac. Sci. Congr. Abstr. 156-158, 1953 e.
Briefly summarizes vegetation of Polynesia, Micronesia, and Fiji.

The naturalized flora of Micronesia and World War II.
Eighth Pac. Sci. Congr. Abstr. 174-176, 1953 f.
Briefly discusses effects of war on condition of vegetation as a habitat for introduced plants.

- Fosberg, F. R. and Hosaka, E. Y.
An open bog on Oahu. Descriptions of two new varieties of *Styphelia* and *Lobelia*.
Occ. Pap. Bishop Mus. 14: 1-6, 1938.
Describes briefly Hawaiian bog vegetation, and, in particular, a small bog in the Koolau Mts., Oahu; photograph.
- Fosberg, F. R. and St. John, H.
Végétation et flore de l'atoll Maria, Iles Australes.
Rev. Sci. Bourb. 1951: 1-7, 1952.
Brief description of atoll and its vegetation, based on authors' observations in 1934. Annotated enumeration of plants collected.
- Franceschi, F. [E. O. Fensl]
Notes on the flora of Guadalupe Island.
Zoe 4: 130-139, 1893.
Includes description of island and its vegetation.
- Frauenfeld, G.
Mein Aufenthalt auf Taiti.
Verhandl. zool.-bot. Ges. Wien 9: 183-198, 1859 a.
Island visited during the Novara Expedition; includes descriptions of vegetation encountered during various excursions through the island.
- Reise von Shanghai bis Sydney auf der k. k. Fregatte Novara.
Verhandl. zool.-bot. Ges. Wien 9: 375-382, 1859 b.
Includes a word on the vegetation of Ponape, and mentions of vegetation, soil and plants on Sikayana. Reprint in LC: Q115.N 8983.
- Frazer, C. M.
General account of the scientific work of the *Velero III* in the eastern Pacific, 1931-41. Part II. Geographical and biological associations. Hancock Pac. Exped. 1 (2): 49-258, 1943.
Includes brief descriptions of Guadalupe I., Revilla Gigedo Is., Clipperton, Cocos and Galapagos Is., with brief mentions of vegetation and many excellent photos showing it.
- Frederick, G. C.
Geological notes on certain islands in the New Hebrides.
Quart. Jour. Geol. Soc. London 49: 227-232, 1893.
Brief notes, with a word on vegetation.
- Freeman, O. W. ed.
Geography of the Pacific.
1-573, N. Y., 1951 a.
Comprehensive geographic treatment of the Pacific island groups, with some information on vegetation, the various chapters written by different authors, listed separately here as far as they come within the scope of this bibliography. LC: DU29. F75.
- Freeman, O. W.
Eastern Polynesia: in Freeman. *Geography of the Pacific*, 364-393, 1951 b.
Contains very brief accounts of vegetation of the Marquesas, Society, Rapa, Tuamotu, and Easter Islands; map, photographs, bibliography.
- Hawaii and American island outposts: in Freeman. *Geography of the Pacific*, 328-363, 1951 c.
Includes a general account of the soils and one of the vegetation adapted from Ripperton and Hosaka; maps, photographs, bibliography.
- Islands of the eastern and northern Pacific: in Freeman. *Geography of the Pacific*, 522-544, 1951 d.
Contains short accounts of the vegetation of the Galapagos, Sala y Gomez, Cocos, Clipperton, and the Revilla Gigedo islands; map of Galapagos, bibliography.
- Friederichsen, M.
Die Karolinen.
Mitt. Geogr. Ges. Hamburg 17: 1-27, 1901.
Mostly compiled from works of Kittlitz, Kubary, Chamisso, etc. Includes geographical description, information on climate, vegetation, etc.
- Friederici, G.
Ein Beitrag zur Kenntnis der Tuamotu-Inseln.
Mitt. Ver. Erdk. Leipzig 1910: 97-176, 1911.
Group visited in 1909. Includes descriptions of Makatea and several of the atolls, with mentions of vegetation and brief notes on climate. In addition to author's notes, much compiled information from previous works, each reference being carefully acknowledged. Maps of several atolls, indicating aspect of vegetation. Incidental mentions by way of comparison, of other islands visited by author (Nissan p. 134).
- Fritz, [G.]
Die Insel Tinian (Marianen).
D. Kolonialbl. 12: 150-154, 1901.

Report on a trip to Tinian, in Nov. 1900. Mentions of plants and vegetation.

Fritz, [G.]

Reise nach den nördlichen Marianen.
Mitt. deutsch. Schutzgeb. 15: 96-118, 1902.

This German official travelled past most of the Marianas in May 1901. The northern islands are described individually with sketches, notes on geography, aspect, etc. A few mentions of vegetation. No plants named, except the most common ones, e.g. coconut, Casuarina, etc. A few plants were introduced into most of the islands.

Eine Reise nach Palau, Sonsol und Tobl.
D. Kolonialbl. 18: 659-668, 1907.

Detailed narrative of a trip (1906) through the Western Carolines, from Saipan to Sonsol, Pulo-Anna, Pulo-Merir, and Helena's Reef, and back to Palau and Yap. Casual, brief mentions of plants and vegetation.

Galstoff, P. S.

Pearl and Hermes Reef, Hawaii, hydrographical and biological observations.
Bishop Mus. Bull. 107: 1-49, 1933.

Includes brief description of reef, with some photos.

Gardiner, J. S.

The coral reefs of Funafuti, Rotuma and Fiji
Proc. Cambridge Phil. Soc. 9: 417-503, 1898.

The detailed descriptions of islands and reefs include mentions of vegetation. The studies on coral include mentions of algae and notes on their ecology.

Coral reefs and atolls.
1-181, London, 1931.

Chapter 2 contains a generalized description of the vegetation of atoll islets. LC: QE565.G3.

Gamier, J.

Notes géologiques sur l'Océanie, les îles Tahiti et Rapa.
Ann.Mines VI, 17: 377-441, 1870.

Includes a brief paragraph on the vegetation of Rapa (observations by Méry), p. 433.

Gaudichaud, C.

Botanique: in, Freycinet, Voyage autour du monde ... sur les corvettes de S. M. l'Uranie et la Physicienne, pendant les années 1817 ... 1820

1-522, Paris, 1826.

Includes valuable descriptions of the vegetation of Guam, Rota, Tinian and the Hawaiian Is., especially Hawaii. LC: Q115. F89, t. 4.

Gauthier, L.

Levé hydrographique de l'île Clipperton.
Ann. Hydrogr. [France] III, 20: 5-12, 1949.

Account of survey of atoll by the "Jeanne d'Arc" in Jan. 1935; brief description of island and its vegetation; map, photos.

Gentry, H. S.

Land plants collected by the Velero III
Hancock Pac. Exped. 13 (2): 1-245, 1949.

Includes, pp. 63-68, brief description of the Revilla Gárgido Is. with mentions of vegetation, compiled from Johnston, 1931 and Hanna, 1926, which see.

Gibbs, L. S.

A contribution to the montane flora of Fiji (including cryptogams), with ecological notes.
Jour. Linn. Soc. Bot. 39: 190-212, 1909.

Includes an account of botanical exploration in Viti Levu, notes on climate and soil pp. 132-133. Pp. 203-210, chapter entitled "Plant association in the vicinity of Nadarivatu" describes vegetation from top of ridge to Tavua.

Giffard, W. M.

An appeal for action on forestry work.
Hawaiian Pl. Rec. 18: 539-543, 1918 a.

Open letter emphasizing the need for protection of forests and reforestation in the Hawaiian Islands, photos.

Methods of organization by which many of our denuded forest areas and forest reserves might be systematically reforested and protected for water conservation purposes.

Hawaiian Pl. Rec. 18: 543-562, 1918 b.

Includes some good photos, of healthy, and dying forests.

Some observations on Hawaiian forests and forest cover in their relation to water supply.

Rep. Com. Agr. For. Hawaii 6: 515-538, 1918 c.

A general discussion of different types of forests, and the effect of their destruction on water-shed, with recommendations.

Gilbert, T.

Voyage from New South Wales to Canton in the

year 1788

1-85, London, 1789.

Includes brief notes and sketches of the Gilbert and Marshall Islands with some information on vegetation; and, pp. 63-66, a brief description of the vegetation of Tinian, contrasting it with accounts given of the same island by Anson, Byron, and Wallis. LC: DU20. G26.

Gill, W. W.

Life in the Southern Isles.

1-360, London, 1876.

Account of missionary activities, but with numerous observations on vegetation on many islands. LC: DU21. G5.

Jottings from the Pacific.

1-248, London, 1885.

Contains incidental notes on the vegetation on a few islands of the central Pacific and of the Cook group, with a section on botanical notes including material of importance in relation to vegetation. LC: DU510. G5.

Giovanelli, J.

Observations météorologiques en montagne.

Bull. Soc. Et. Océan. 7 (4): 183-186, 1945.

Tables of meteorological data for two stations above Papeete in Tahiti, one of them at altitude 650 m, the other 92 m. Temperature and humidity, 1938-1940.

Glassman, S. F.

A survey of the plants of Guam.

Jour. Arnold Arb. 29: 169-185, 1948.

A phytogeographic discussion of the flora partly based on author's collections and field work, partly compiled; contains brief descriptions of some of the principal vegetation types.

The flora of Ponape.

SIM Rept. 2: 1-34, 1950 (unpublished except for limited mimeographed edition).

General description of vegetation, environment, flora, etc., with map, bibliography, and many photographs.

The flora of Ponape.

Bishop Mus. Bull. 209: 1-152, 1952.

On pp. 22-33 is a description of the vegetation and scattered through the introduction are good photographs showing vegetation.

Glock, W. S.

Algae as limestone makers and climatic indicators. Am. Jour. Sci. 206: 377-408, 1923.

Comprehensive review of this subject, mainly from a geological viewpoint, but by groups of organisms, relatively little direct reference to Pacific, but emphasizing the role of algae as reef-builders. Bibliography.

[Goetze, E. ed.]

Die Karolinen.

Hamburg. Gart. Blumenzeit. 41: 490-492, 1885.

Observations on vegetation of the Caroline Islands, excerpts from Meinecke's work.

Goldschmidt, R. B.

Neu-Japan.

1-303, Berlin, 1927.

Notes on the author's travels to Formosa, and other Japanese possessions. Pp. 209-230: Bonin Islands. Includes brief mentions of vegetation, with a few photos. LC: DS895. F75 G6.

Goedenough, V. M. ed.

Journal of Commodore Goedenough.

1-360, London, 1876.

Journal of various trips in Melanania, with descriptions of islands, remarks on the formation of coral reefs, and with many notes on vegetation scattered throughout. Map. DA: 88. 1 G6 A3.

Gosset, R. W.

Easter Island "the land of statues."

Austral. Geogr. 3 (6): 3-13, 1930.

Includes general description, with mention of vegetation.

Gräffe, E.

Reisen nach verschiedenen Inseln der Südsee.

Anland 40: 1130-1144, 1159-1164, 1184-1191, 1867.

Account of a trip to some of the smaller Tonga, New Hebrides and Ellice Islands. Includes good, brief descriptions of geography and vegetation.

Reisen in der Südsee.

Anland 41: 529-533, 559-563, 1868.

Account of a trip to Uvea, with mentions of vegetation and economic plants, particularly interesting for a description of Niuafo (Tonga Is.) with an account of the 1867 eruption of the volcano and its effect on the vegetation.

Die Kolonisation der Viti-Inseln und Dr. Eduard

Graeffe's Reise im Inneren von Viti-Levu.
Petermanns Mitt. 15: 59-69, 1869.

General narrative of exploration of Viti Levu, with account of excursions towards the center of the island. Good descriptions of vegetation, with mentions of plants.

Gräffe, E.

Samoa oder die Schifferinseln. I. Topographie von Samoa. II. Die meteorologischen Erscheinungen in Samoa.

Jour. Mus. Godeffroy 1: 1-32, 70-83, 1873 a.

Detailed description of the islands, with mentions of vegetation and cultivated plants. General notes on climate and tables of data.

Die lagune von Ebon, nach brieflichen Mittheilungen von J. Kubary.

Jour. Mus. Godeffroy 1: 33-47, 1873 b.

Other title: Die Ebongruppe im Marshall's Archipel. Includes a few words on vegetation, p. 33.

Die Carolineninsel Yap

Jour. Mus. Godeffroy 1 (2): 12-58 (84-130), 1873 c.

Includes scattered mentions of vegetation.

Grange, L. I.

Soils of some South Pacific Islands.

Comm. Bur. Soil Sc. Tech. Comm. 46: 45-48, 1949.

Scattered observations on soils of some islands of southwest Polynesia, Melanesia, etc., with some correlations with vegetation.

Grayson, A. J.

Exploring expedition to the island of Socorro, from Mazatlan, Mexico.

Proc. Boston Soc. Nat. Hist. 14: 287-297, 1872.

Includes information on vegetation observed in 1867 in exploration of island. Mentions introduction of pigs.

Great Britain Colonial Office

Introducing the British Pacific Islands.

1-96, London, 1951.

Popular brochure; includes a number of good photographs showing vegetation, as well as bits of information on vegetation. LC: DU40. A52, 1951.

[Great Britain, Hydrographic Department]

Pacific Islands pilot, 7th ed.

1: 1-599, 1946, 2: 1-523, 1943; 3: 1-342, 1946.

The pilots contain much information on aspect of islands, and notes on vegetation. Maps and sketches of some islands. LC: VK915. G7, 1943, 1946.

Greene, E. L.

Notes on Guadalupe Island.

Bull. Calif. Acad. Sci. 1: 214-220, 1885.

Includes notes on vegetation.

Greenwood, W.

The adventive and weed flora of the leeward coasts of Fiji.

Proc. Linn. Soc. 154: 93-106, 1943.

Very little description of vegetation but notes on the place of individual introduced species in the local vegetation types. Important paper.

Gressitt, J. L.

Description of Kayangel Atoll, Palau Islands.

Atoll Res. Bull. 14: 1-6, 1952.

Includes notes on the vegetation.

Notes on Ngaruangi and Kayangel Atolls, Palau Islands.

Atoll Res. Bull. 21: 1-5, 1953.

Notes that Ngaruangi has no vegetation; lists plants from Kayangel.

Grisebach, A. [H. R.]

Bericht über die Fortschritte in der Geographie der Pflanzen.

Geogr. Jahrb. 1-6: 1866-1876.

These papers list and occasionally abstract very briefly the works pertaining to plant sciences, plant geography in particular, separating general works from regional. The sections on Oceanic Islands, occasionally mention papers containing information on Pacific Islands vegetation. See also Drude, O., and Diels, L. The publication contains also compilations of information on meteorology, various aspects of geography, etc. which may be useful.

Die Vegetation der Erde nach ihrer klimatischen Anordnung.

1-709, Leipzig, 1872.

Contains some data on the vegetation of some Pacific Islands. An enlarged edition was published in 1884.

La végétation du globe d'après sa disposition suivant les climats; esquisse d'une géographie comparée des plantes ... traduit de l'allemand par P. de Tchihatchef.

1: 1-765, 1875; 2: 1-905. Paris, 1878.

A French translation of Grisebach, 1872, with a geological sketch on oceanic islands and other additions by translator.

Grisebach, A. [H. R.]

Die Vegetation der Erde nach ihren klimatischen Anordnung.

2 vols., Leipzig, 1884.

Fundamental work on vegetation; short sections on Pacific island groups, vol. 2: 499-515, are mainly floristic, but contain some information on physiognomy of vegetation, Smi: 581.9 G86.

Gronemann, B.

Mit S. M. S. "Elizabeth" in der Südsee.

D. Kolon. Zeit. 2: 149-155, 1885.

Includes notes on New Britain, New Ireland, and Matupi, with occasional casual mentions of vegetation and soils.

Groves, W. C.

Tabar to-day....

Oceania: 5: 224-240, 1934.

Cultural study of Tabar Is. (northeast of New Ireland). Includes pp. 227-231, a brief description of the islands, with mentions of climate and vegetation.

Guilfoyle, W. R.

A botanical tour among the South Sea Islands.

Jour. Bot. 7: 117-120, 121-136, 1869.

Valuable account of visits to Tutuila, Upolu, Vavau, Ovalau, New Hebrides, New Caledonia. Brief mentions of climate and soils, descriptions of vegetation, especially for Ovalau and the New Hebrides.

Guillaumin, A.

Essai de géographie botanique de la Nouvelle-Calédonie.

Nova Caled. Bot. 1 (3): 256-295, 1921.

Includes notes on ecological conditions and main aspects of vegetation; some of the photos illustrating the systematic parts in the same volume give an idea of vegetation.

Les régions floristiques du Pacifique d'après leur endémisme et la répartition de quelques plantes phanérogames.

Proc. 3rd Pan-Pac. Sci. Cong. 1: 920-938, 1928.

In French, with English abstract. A few remarks on zones of vegetation on various island groups.

Guillaumin, A.

A florula of the island of Espiritu Santo, one of the New Hebrides.

Jour. Linn. Soc. Bot. 51: 547-566, 1938.

The prefatory note by J. R. Baker, includes a paragraph on vegetation, p. 547.

Guillemand, F. H. H.

Malaysia and the Pacific archipelagoes, edited and greatly extended from Dr. A. R. Wallace's "Australia"

1-574, London, 1894.

General notes, including geography, plant life, occasional mentions of vegetation, etc. LC: DU21. W22.

Gulick, L. H.

The climate and productions of Ponape or Ascension Island

Am. Jour. Sci. 11.26: 34-49, 1858 a.

Careful description of the island, with mentions of vegetation and useful plants. Chapter on climate.

The flora of Ponape or Ascension Island.

Friend, old ser. 15, n. s. 7: 26-27, 1858 b.

Description of vegetation: mangrove, uninterupted forest with a few spots of yellow-green short coarse grass.

Micronesia.

Naut. Mag. Nav. Chron. 31: 169-182, 237-245, 298-308, 358-363, 403-417, 1862.

Summary of historical data and valuable notes on native customs by an early medical missionary. Vegetation of Kusaie and Ponape described on pp. 176-177.

Guppy, H. B.

The Salomon Islands and their natives.

1-384, London, 1887 a.

Comprehensive account of the author's visit, with notes on native life, history of the islands, geography, etc. Introductory chapter includes notes on difficult penetration of vegetation. Chapter on botany, pp. 289-307, includes description of vegetation encountered during excursions in the Bougainville Straits Islands, and a list of plants. Climate: pp. 352-370. LC: DU850. G96.

The Salomon Islands; their geology

1-152, London, 1887 b.

This geological part of Guppy's work on the

- Salemon Islands is useful for information on topography, soils, geology, etc. LC: DU850. G97.
- Guppy, H. B.**
 Observations of a naturalist in the Pacific between 1896 and 1899.
 I Vanna-Levu, Fiji, 1-392, 1903.
 II Plant dispersal, 1-627, London, N. Y., 1906.
 I. Includes many brief mentions of vegetation, and some photographs incidentally illustrating it.
 II. Though mostly concerned with the floristic relationships and means of dispersal of the plants, includes an enormous amount of vegetation data. An extensive chapter is devoted to mangroves, with much basic data. LC: QH198. A1 G8.
- Hachisuka, M.**
 A journey to the Bonin Islands.
 Jour. Biogeogr. Soc. Japan 1 (3): 69-80, 1930.
 Entertaining account of a visit to the Bonins, hardly anything on vegetation.
- Hadden, F. C.**
 Midway Islands.
 Hawaiian Bot. Rec. 45: 179-222, 1941.
 Description of present condition on the island. The historical account mentions introductions of plants. Original vegetation of Eastern Island: Scaevola, grasses and Boerhavia. Reprint in LC: QH198. M5 H3.
- Hadfield, E.**
 Among the natives of the Loyalty Group.
 1-316, London, 1926.
 Account of native culture after a stay of many years. Includes descriptive notes on topography, vegetation, climate, etc. of Uvea and Lifou. Photos. CY: Nkd99.N35. 920h.
- Hagen, W. von**
 The Galapagos Islands.
 Proc. Linn. Soc. London 149: 99-103, 1937.
 General description of natural history, including notes on climate and vegetation zones. p. 99.
- Hague, J. D.**
 On phosphatic guano islands of the Pacific Ocean.
 Am. Jour. Sci. 84: 224-243, 1862.
 Mostly about Baker's, Howland's and Jarvis Is. Includes description and occasional brief mentions of vegetation. Notes on other guano islands.
- Hall, E. O.**
 Notes of a tour around Oahu.
 Hawaiian Spectator 2: 94-112, 1839.
- Narrative, with many incidental notes on the vegetation, of especial interest as it pertains largely to the lowlands before the domination of this region by cane, pineapples and Prosopis.
- Hall, W. L.**
 Hawaiian forests.
 Hawaiian For. Agr. 1: 14-19, 1904 a.
 Preliminary description of Hawaiian forests with discussion of their economic importance.
-
- The forests of the Hawaiian Islands.
 Hawaiian For. Agr. 1: 84-102, 1904 b.
 Comprehensive report on forest types, extent, dynamics, condition, and economic considerations.
-
- The forests of the Hawaiian Islands.
 U.S.D.A. Forestry Bull. 13: 1-29, 1904 c.
 General notes on the forests, their decline, and problems associated with reforestation and care of existing forests.
-
- The forests of the Hawaiian Islands.
 Mid-Pac. Mag. 12: 457-463, 1916.
 A general popular sketch with notes on various species; good photographs.
- Hambruch, P.**
 Naurn: in, G. Thilenius, Erg. Süds. Exp. II B 1, 1: 1-458, 1914; 2: 1-314, 1915.
 First volume includes geography, with mentions of vegetation and plants. Many valuable photographs and a detailed map.
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- Ponape: in, G. Thilenius, Erg. Süds. Exp. II B 7, 1: 1-376, 1932; 2: 1-386, 1936; 3: 1-437, 1936.
 Vol. 1 is mostly a history compiled from many sources. Chapter on geography with mentions of climate and vegetation, list of plants. Vol. 3 non-botanical, but shows some pictures of vegetation.
- Hambruch, P. ed.**
 Elf Jahre in Australien und auf der Insel Ponape. Erlebnisse eines irischen Matrosen in den Jahren 1822 bis 1833.
 1-240, Berlin, 1929.
 A "free translation" of O'Connell's narrative. Hambruch added notes, and photographs, some of them showing vegetation. LC: DU21. O18, 1929.
- Hamlin, H.**
 First ascent of Mount Balbi.

Austr. Geogr. 1: 31-38, 1929.

Includes brief notes on vegetation of Bougainville Island, observed during the ascent.

Hammet, L. U.

Narrative of the voyage of H. M. S. *Serpent*.
Naut. Mag. 23: 57-67, 188-194, 1854.

Includes notes on the vegetation of a few of the Marshall and Caroline Islands.

Hanna, G. D.

Expedition to Guadalupe Island, Mexico, in 1922.
General report.

Proc. Calif. Acad. Sci. IV, 12: 217-275, 1925.

The narrative includes description of island and information on vegetation; mentions disastrous destruction of it by goats. Photos.

Expedition to the Revillagigedo Islands, Mexico, in 1925. General report.

Proc. Calif. Acad. Sci. IV, 15: 1-113, 1926.

The day by day narrative includes descriptions of Guadalupe, Alijos Rocks, Clarion, Roca, Partida, Socorro and San Benedito, with information on vegetation observed. Photos.

Hanna, G. D. and Anthony, A. W.

A cruise among desert islands.

Nat. Geogr. Mag. 44: 70-99, 1923.

Popular article containing a short account of the vegetation of Guadalupe Island and of its destruction by goats, also several photographs showing the lack of vegetation at low altitudes.

Hartlaub, G., and Finsch, O.

On a fourth collection of birds from the Pelew and Mackenzie Islands.

Proc. Zool. Sec. London 1872: 87-114, 1872.

Report on a collection of birds made by Kubary in Palau and Yap (Mackenzie group commonly regarded as synonymous with Ulithi, but here includes several of the northwest Carolines with statement that "Uap" is the only one explored), with a short note on the vegetation of Yap.

Hartt, C. H. and Neal, M. C.

The plant ecology of Mauna Kea, Hawaii.
Ecology 21: 237-266, 1940.

Discussion of vegetation based on observations made on 1935 expedition, photos and a list of references.

Harvey, W. H.

The Feejee Islands and their inhabitants.
Nat. Hist. Rev. 4: 5-11, 1857.

Includes brief general notes on the vegetation and on economic plants.

Hashell, D. C.

The United States Exploring Expedition, 1838-1842 and its publications, 1844-1874.

1-188, N. Y., 1942.

Bibliographical information on the expedition and publications relative to it. Some of the manuscripts might be useful. Discusses fully the confusion surrounding the publication of the various editions of different volumes of the expedition reports. LC: Z7405. E9 U63.

Hassert, K.

Die neuen deutschen Erwerbungen in der Südsee: Die Karolinen, Marianen und Samoa-Inseln.
1-111, Leipzig, 1903.

Monographic, includes compiled notes on climate, soil and vegetation. Bibliography. LC: DU60. H35.

Hatheway, W. H.

Composition of certain native dry forests: Mokuiaia, Oahu, T. H.

Ecol. Monogr. 22: 153-168, 1952.

A critical description of the vegetation of a gulch on the north end of the Waianae Mountains, Oahu, with notes on succession and some estimation of the former distribution of dry forest in the Hawaiian Is.; good photographs, map, bibliography.

The land vegetation of Arno Atoll, Marshall Islands.
Atoll Res. Bull. 16: 1-68, 1953.

Detailed description of the vegetation with vegetation maps and photographs.

Hattori, H.

[An excursion to the Bonin Islands].

Bot. Mag. (Tokyo) 19: 272-277, 1905; 20: 120-122, 254-263, 1906.

Account of trip taken in 1905, with some description of the islands.

[On the distribution of plants in the Bonin Islands (a brief report)].

Bot. Mag. (Tokyo) 21: 154-169, 1907.

Includes brief description of islands, and a sketch of the vegetation. For fuller account, see Hattori, 1908. Abstract Takeda.

Pflanzengeographische Studien über die Bonin Inseln.
Jour. Coll. Sci. Univ. Tokyo 23 (10): 1-65, 1908.

Includes notes on topography, geology, climate

and brief mentions of vegetation. Detailed study of flora, origin, distribution, relationships, etc. Several very good photos showing vegetation and a useful map.

Hawkesworth, J. ed.

An account of voyages undertaken by the order of His Present Majesty for making discoveries in the southern hemisphere, and successively performed by Commodore Byron, Captain Wallis, Captain Carteret and Captain Cook in the Dolphin, the Swallow and the Endeavour
3 vols., London, 1773.

See under various authors, 1773 and, for Cook, 1893. Useful chart of the various voyages, with old island names in vol. 1. LC: G420 .C65 H3, 1773.

Heckel, E.

Coup d'oeil sur la flore générale de la baie du Prony (Nouvelle-Calédonie, sud-ouest) et sur sa distribution en zones.

Ann.Fac. Sci. Marseille 2: 101-103, 1892.

Includes, pp. 101-113, notes on vegetation and its zonal distribution, according to author's observations and citations from others. The 8 zones are indicated by letters on a map of the region studied.

L'envahissement des forêts de la Nouvelle-Calédonie par le Lantana Camara L. et les dangers que cette plante fait courir à l'économie agricole et sylvicole de cette île.

Bull. Soc. Nat. Acclim. France 58: 511-514, 1911.

General notes on the increasing invasion of New Caledonian vegetation by Lantana.

Hedley, C.

General account of the atoll of Funafuti.
Australian Mus. Mem. 3: 1-71, 1896.

Includes detailed description of topography, soils, climate, vegetation. Notes on economic plants, their uses and cultivation.

Heller, A. A.

Observations on the ferns and flowering plants of the Hawaiian Islands.

Minn. Bot. St. 1: 700-922, 1897.

Systematic account, with brief treatment of vegetation in the introduction; photos of vegetation very badly reproduced.

Hemslay, W. B.

Report on the botany of Juan Fernandez, the south-

eastern Moluccas, and the Admiralty Islands.
Challenger Reports, Bot. 1 (3): 1-275, 1884-1885.

Includes lists of plants from various islands; short note on vegetation of San Ambrosio and San Felix, and notes by Moseley on that of the Admiralty Is.

Herms, W. B.

Diocalandra taitensis (Guerin) and other coconut pests of Fanning and Washington Islands.

Phillip. Jour. Sci. 30: 243-271, 1926.

Includes description of islands, notes on climate and vegetation.

Hesse-Wartegg, E. von

Samoa, Bismarckarchipel und Neuguinea. Drei deutsche Kolonien in der Südsee.

1-329, Leipzig, 1902.

Popular account of life and travels in German colonies; includes incidental descriptive notes and mentions of vegetation for Bismarck Archipelago. (especially interesting for little-known islands: Sandwich or Jaul I., St. Matthias, etc.) and Samoa. Some of the photos show vegetation. LC: DU 60. H58.

Heyerdahl, T.

Marquesas Islands.

Proc. 6th Pac. Sci. Cong. 4: 543-546, 1940.

A separate article, but answers Skottsberg's questionnaire on nature protection (see Skottsberg, 1940). Starts with a brief outline of the vegetation.

Hilder, B.

The volcano at Tanna.

Walkabout 17 (3): 38-42, 1951.

Popular, illustrated article; mentions desert lava and ash plain around volcano with isolated Pandanus.

Hillebrand, W.

Die Vegetationsformationen der Sandwich-Inseln.
Bot. Jahrb. 9: 305-314, 1888 a.

Includes general notes on climate, and vegetation, and description of main vegetation zones.

Flora of the Hawaiian Islands. A description of their phanerogams and vascular cryptogams.
I-XCVI, 1-673, Heidelberg, 1888 b.

A general descriptive flora, with notes on occurrence of species. Introduction, pp. XIII-XXXI, contains a description of the vegetation. LC: QK473. H4 H5.

Hinds, N. E. A.

Geology of Kauai and Nihoa.

Bishop Mus. Bull. 71: 1-103, 1930.

Includes notes on climate, and mentions of vegetation. Many good photos showing vegetation. Maps.

Hinds, N. E. A.

The relative ages of the Hawaiian landscapes.

Univ. Calif. Pub. Geol. 20: 143-200, 1931.

Includes information on climate, especially rainfall, and 27 good photos illustrating topography and vegetation. Reprint in LC: GB 394. H3 H5.

Hinds, R. B.

Remarks on the vegetation of the Feejee Islands, Tanna, New Ireland, and New Guinea. With an enumeration of plants there collected; determined and described by George Bentham.

London Jour. Bot. 1: 669-676, 1842.

Very brief, general notes on the vegetation.

The regions of vegetation ...: in, Balcher, Narrative of a voyage 2: 325-400, 1843.

Description of natural regions of the world, with brief notes on climate, flora, etc.; pp. 379-388 include paragraphs on different groups of islands in the Pacific. Brief and superficial.

Hitchcock, A. S.

A botanical trip to the Hawaiian Islands.

Sci. Mo. 5: 323-349, 419-432, 1917 a.

A general narrative, with emphasis on vegetation and some good photos.

[Hitchcock, A. S.]

Botanical explorations in the Hawaiian Islands.

Smiths. Explor. 1916: 59-73, 1917 b.

Includes brief mentions of vegetation, and several good photos illustrating it.

Botanical explorations in the Hawaiian Islands.

Smiths. Misc. Coll. 66(17): 59-73, 1917 c.

See Hitchcock, 1917 b.

Floral aspects of the Hawaiian Islands.

Ann Rept. Smiths. Inst. 1917: 449-462, 1919.

Includes description of vegetation and many excellent photos.

Grasses of the Hawaiian Islands.

Bishop Mus. Mem. 8 (3): 1-132, 1922.

Systematic, but contains a number of photo-

graphs of vegetation. Reprint in LC: QK 495. G74 H517.

Hochstetter, F. von

Das Stewart-Atoll im stillen Ocean: in, Reise der Oesterreichischen Fregatte Novara

Geologischer Theil II, 1: 153-161, 1866.

Description of the atoll, with special account of Fânle islet. Mentions presence of a layer of pumice in the interior of the islet, and describes briefly the vegetation, which is very luxuriant, due, he thinks, to the presence of pumice. Short list of plants; sketch maps. LC: Q115. N9 g.

Gesammelte Reise-Berichte von der Erdumsegelung der Fregatte "Novara" 1857-1859. 1-340, Wien, 1855.

Account of voyage. Mentions on pp. 276-289 Pulaipet or Pomape, giving description of island, mentions of cultivated plants, a few notes on vegetation; pp. 294-297, brief description of Sikayana, no information on vegetation. LC: Q115. N8985.

Hoffmeister, J. E.

Geology of Eua, Tunga.

Bishop Mus. Bull. 96: 1-93, 1932.

The description of physiography includes incidental mentions of vegetation, which is also shown in several of the photos. Paragraph on climate.

Hoffmeister, J. E. and Ladd, H. S.

Falcon, the Pacific's newest island.

Nat. Geogr. Mag. 54: 757-766, 1928.

Description of the island, with map and photos. Vegetation: a single low bush.

Hogbin, H. I.

Omtong Java.

Austral. Geogr. 1 (2): 86-91, 1929.

Brief note, including paragraph on climate and topography. Only reference to vegetation: "So thickly do the palms grow that a gale blowing on one side will scarcely be felt at all 200 yards across on the other side."

The social organisation of Omtong Java.

Oceania 1: 309-425, 1931.

Includes a brief description with a word on soil and climate, and incidental brief references to vegetation; sketch-maps.

Coconuts and coral islands.

Nat. Geogr. Mag. 65: 265-298, 1934.

Popular account of Ontong Java, with brief notes on and photographs showing vegetation.

Hogbin, H. I.

Peoples of the southwest Pacific.

1-26, N. Y., 1945.

Album of photos with comments and an introduction on native peoples of New Guinea and the Solomon Islands; includes some photos showing vegetation of Ontong-Java and the Solomon Islands.

LC: GN 662. H6.

Holden, E. S. et al.

Report of the operations of American expedition to observe the total eclipse, 1883, May 6, at Caroline Island, South Pacific Ocean.

Mem. Nat. Acad. Sci. 2: 8-146, 1884.

A comprehensive account, including a description of the island, with map and a number of photographs, the latter showing very well the character of the vegetation, accompanied by a list of plants by W. Trelease.

Hooker, J. D., ed.

Journal of the Right Hon. Sir Joseph Banks

See Banks, J., 1896.

Hooker, W. J.

A brief memoir of the life of Mr. David Douglas, with extracts from his letters.

Hawaiian Spectator 2: 1-49, 131-180, 276-333, 396-437, 1839.

Extensive extracts from Douglas' journal and letters, with pp. 12-18, a short account of Juan Fernandez and the Galapagos, with incidental notes on the vegetation, and, pp. 396-428, an account of his visit to the island of Hawaii, with his ascents of Manna Loa and much information on the vegetation.

Home, J.

A year in Fiji, or an inquiry into the botanical, agricultural, and economical resources of the colony.

1-297, London, 1861.

Pp. 3-73, account of excursions; includes description of vegetation of several islands. Large map showing author's itinerary. LC: DU600. H81.

Hosaka, E. Y.

Ecological and floristic studies in Kipapa Gulch, Oahu.

Occ. Pap. Bishop Mus. 13: 175-232, 1937 a (abstr. Bishop Mus. Spec. Pub. 30: 6-7, 1937).

A detailed study, based on observations made over several years, with quantitative data on en-

vironmental factors, delimitation of vegetation zones, list of species with indication of their occurrence, life form, leaf size, abundance, distribution, and month of flowering; with map, photographs, and bibliography.

Hosaka, E. Y.

Phytogeography and ecology of Oahu.

Bishop Mus. Spec. Pub. 30: 7-8, 1937 b.

Abstract, so brief as to be of no significance.

Life-forms of the flowering plants of Kipapa Gulch, Oahu.

Bishop Mus. Spec. Pub. 33: 12-13, 1939.

Abstract of an attempt to apply Raunkiaer's system to plants of Kipapa Gulch, pointing out its limited usefulness in tropical regions.

Botanical report on Micronesia.

U. S. Commercial Company Economic Survey of Micronesia 13-2: 1-68, figs. 1-82, 1946 (typescript).

Includes material on vegetation and economic plants. Mostly written from an agricultural point of view. Photographs.

Hosmer, R. S.

Kahoolawe Forest Reserve.

Hawaiian For. Agr. 7: 264-267, 1910.

Contains brief description of vegetation of this island, remarks on its destruction, and on reputed resulting change of climate.

Reclamation of Kahoolawe.

Hawaiian For. Agr. 9: 93-96, 1912.

Contains a few remarks on the condition of the vegetation, appearance of Prosopis, and a plan for increasing the Prosopis stand.

Hosokawa, T.

[Casuarina equisetifolia in the Marianas].

Kudoa 2: 107-113, 1934 a.

In Japanese. Description of zones of vegetation for several islands. Distribution of Casuarina in these zones is recorded. Tr.

[Phytophysiology of Kusaie].

Bot. and Zool. 2 (8): 1421-1426, 1934 b.

In Japanese. Account of collecting trip in Kusaie, describing vegetation and plants. Some rather poor photos and a small sketch map indicating author's itinerary; diagram showing vertical distribution of plant associations. Tr. Takeda.

Hosokawa, T.

Preliminary account of the vegetation of the Marianne Islands group.

Bull. Biogeogr. Soc. Japan 5: 124-172, 1934 c.

Text in Japanese. English summary. Includes notes on physiognomy of vegetation of individual islands both in southern and northern Marianas. Tr.

[Materials for a flora of Ponape in the South Sea Islands].

Kudoa 3: 162-166, 1935.

In Japanese. Includes brief mention of vegetation and list of plants found in a 20m X 20m quadrat. Tr.

A preliminary account of the phytogeographical study of Truk, Caroline.

Bull. Biogeogr. Soc. Japan 7: 171-255, 1937 a.

Includes sections on topography, with maps, history of botanical exploration, method of exploration by the writer, climate with graphs, an enumeration of the flora, with life-forms indicated according to Raunkiaer system, vegetation arranged according to Rihel's system, lists according to life-forms, with life-form "spectrum." Resumé in English, otherwise largely in Japanese. Tr. Takeda.

[A botanical trip in Truk.]

Taiwan Kyoiku 1-12, 1937 b.

In Japanese. A general description of Truk, itinerary of botanical trip and notes on vegetation encountered. Only a reprint seen. Tr. Takeda.

[A general consideration of the vegetation of the far eastern Asiatic tropics.] (Namponettai no Shokubutugaikan).

1-264, index 1-34, Tokyo, 1943 a.

With 69 text figures, 4 plates, 27 tables and 1 map. Japanese text: A general sketch of the vegetation of the far eastern Asiatic tropics including eastern Malaysia, Micronesia, Polynesia, Melanesia and the tropical part of Australia with descriptions of climatic, edaphic and biotic factors and phytogeographical considerations of Malaysia, Micronesia, Polynesia and others. Abstr. Hosok.

Studies in the life-forms of vascular epiphytes and the epiphyte flora of Ponape, Micronesia. Trans. Nat. Hist. Soc. Taiwan 33: 35-55, 71-89,

113-141, 1943 b.

In "general considerations" mentions of topography, climate and vegetation of island. Tabulation of epiphytic species, with local distribution in different vegetation types, life-forms indicated.

Hosokawa, T.

Studies on the life-form of vascular epiphytes and the spectrum of their life-forms.

Jour. Jap. Bot. 24: 41-45, 1949.

Additional notes to Hosokawa 1943 b, with examples given from Palau.

Epiphyte-quotient.

Bot. Mag. (Tokyo) 63: 18-20, 1950.

An attempt to establish a relationship between the percentage of epiphytes in the flora to climate, mentioning a number of Micronesian islands, especially Jaluit.

On the nomenclature of aerosynusia.

Bot. Mag. (Tokyo) 64: 107-111, 1951.

A discussion of types of epiphytic plant communities, proposing the term "aerosynusia" and a system of units subdividing it to fit into the Du Rietz scheme of classification of vegetation, with illustrative examples from Micronesian vegetation, specifically from Ponape.

A plant-sociological study in the mossy forests of Micronesian Islands.

Mem. Fac. Sci. Kyushu Univ. E, 1 (1): 65-82, 1952 a.

Describes the vegetation of higher altitudes of Ponape and Kusaie, relating it to that of other wet tropical regions; mainly tables and photographs.

A synchorological study of the swamp forests in the Micronesian Islands.

Mem. Fac. Sci. Kyushu Univ. Ser. E. (Biology) 1: 101-123, 1952 b.

Describes swamp forests on the high islands of the Carolines and method of investigation of them phytosociologically, with tables, diagrams, and photographs to illustrate their characteristics.

A synchorological consideration of the Campnosperma forests in Micronesia.

Eighth Pac. Sci. Congr. Abstr. 291, 1953 a.

Brief abstract of phytosociological discussion of five forest associations in the high islands of the

Carolines.

Hosokawa, T.

A synchorological consideration of the *Campesperma* forests of Micronesia.

[1-11], [Fukuoka, Japan], [1953b] (mimeographed).

Distributed at the 8th Pacific Science Congress, Manila, Nov. 24, 1953, with a chart. Phytosociological consideration of lowland forests.

Howe, M. S.

The building of "coral" reefs.
Science II, 35: 837-842, 1912.

Discusses the role of algae in reef-building, with evidence to show that they are often of more importance than corals. Bibliography.

Hubbard, D. H.

Ferns of Hawaii National Park.

Hawaii Nat. Notes 5 (1): 1-40, 1952.

Lists the ferns known from both Hawaii and Maui sections of the park with popular descriptions and notes on their habitats; copiously illustrated with excellent well-reproduced photographs, many of which show vegetation.

Hubbard, D. H. and Bender, V. R.

Trailside plants of Hawaii National Park.

Hawaii Nat. Notes 4 (1): 1-29, 1950.

Introduction briefly describes vegetation of Kilauea region. Many excellent photos of vegetation in different sections of the park.

Hunter, J.

An historical journal of the transactions at Port Jackson and Norfolk Island
1-583, London, 1793.

Account of Hunter's voyages in Melanesia, including mentions of islands he discovered or re-discovered. Only a few notes on plants and vegetation, mostly of historical interest. LC: D1172. H94, 1793 a.

Hutchinson, G. E.

Survey of contemporary knowledge of biogeochemistry. 3. The biogeochemistry of vertebrate excretion.

Bull. Am. Mus. Nat. Hist. 96: 1-554, 1950.

Comprehensive summary of literature on occurrence of guano deposits; includes brief characterizations of the vegetation of all islands in the Pacific where guano or phosphate has been recorded; remarkable paleoclimatic conclusions for central Pacific region, based, in part, on occurrence and character of present-day vegetation.

[Huxley, T. H.] Huxley, J. S. ed.

Diary of the voyage of H. M. S. *Rattlesnake*.
1-372, London, 1935.

Chapter 8, pp. 172-230, describes the cruise in the *Louislade* Archipelago (May-Aug., 1840). Includes descriptions of vegetation encountered on various excursions especially on Rossel. Map showing itinerary. LC: QH31.H9 A3, 1935.

Imanishi, K.

[The Ponape Islands]

1-504, Tokyo, 1944.

In Japanese. Chapter 1: 1-222 is a biological and especially vegetational description. Not seen, abstract Hosok.

Im Thurn, E.

Plant life in a tropical island.

Jour. R. Hort. Soc. 38: 1-9, 1912.

Notes on Viti Levu where the author lived for six years. Description of vegetation encountered on a trip from Suva to the Rewa River and towards the interior. Notes on climate, stressing the opposition between the humid southeast coast, and drier north part of the island.

Ivens, W. G.

The island builders of the Pacific.

1-317, London, 1930.

Description of native culture in Mala Islands (Solomon Is.) especially artificial islands. Incidental, brief mentions of aspect of islands and vegetation. LC: DU850. I8.

Jack, H. W.

Soil erosion.

Agr. Jour. [Fiji] 8: 4-7, 1937.

Notes on erosion in Fiji, and methods used to remedy its effects.

[Aggar], T. A.

The island volcano Niinafoou.

Volcano Letter 312: 1-3, 1930.

Description of island with references to and photos of coconut plantations destroyed by lava.

Living on a volcano.

Nat. Geogr. Mag. 68: 91-106, 1935.

Account of Niinafoou, especially information on volcanic activity; some photos show recent lava flows and vegetation; map.

Jardin, E.

Essai sur l'histoire naturelle de l'archipel de Men-

dana ou des Marquises. 2^e partie. Botanique. Mém. Soc. Sci. Nat. Cherbourg 5: 289-331, 1857.

Brief mention of vegetation, notes on economic plants. Reprinted in the next entry, which see.

Jardin, E.

Essai sur l'histoire naturelle de l'archipel des Marquises comprenant la géologie et la minéralogie, la botanique, et la zoologie. 1-160, Paris, Cherbourg, 1862.

Detailed description of the structure of Nouka-Hiva. Hardly a word on vegetation. List of plants, with native names, and detailed notes on uses (foods, timber, fibers, etc.) Reprint of several of the author's papers from Mém. Soc. Sci. Nat. Cherbourg. LC: QH198. M2 J2.

Jeanneney, A.

La Nouvelle Calédonie agricole. Nature minéralogique et géologique du sol. Renseignements pratiques pour les émigrants. 1-344, Paris, 1894.

Agricultural handbook with outline of flora and geology but nothing important on vegetation except notes on character of vegetation on different soil types. AA: Lfg J34.

Jemess, M. A. and Ballantyne, A.

The northern D'Entrecasteaux. 1-219, Oxford, 1920.

Description of native culture. The first chapter includes general notes on the islands, with brief mention of vegetation. LC: DU589. J4.

Jensen, I.

The geology of Samoa, and the eruptions in Savaii.

Proc. Linn. Soc. N. S. W. 31: 641-672, 1907.

Includes brief mentions of effect of lava flows and gases on vegetation. Some of the photos show vegetation.

Johnston, I. M.

The flora of the Revillagigedo Islands.

Proc. Calif. Acad. Sci. IV, 20: 9-104, 1931.

Includes history of botanical collecting, and brief descriptions of islands, with general information on vegetation.

The flora of San Felix Island.

Jour. Arnold Arb. 16: 440-447, 1935.

Enumeration of plants from San Felix. There is a compiled description of the island (with

mentions of San Ambrosio) with description of vegetation as reported by J. P. Chapin.

Jones, S. B. and Bellaire, R.

The classification of Hawaiian climates

Geogr. Rev. 27: 112-119, 1937.

To some extent correlates vegetation with modified Thornthwaite climatic types.

Jouan, H.

Recherches sur l'origine et la provenance de certains végétaux phanérogames observés dans les îles du Grand-Océan.

Mém. Soc. Sci. Nat. Cherbourg 11: 81-178, 1865.

The author lived in several islands of French Oceania, especially the Marquesas of which he gives a general description with notes on vegetation and climate, and a list of plants with native names, uses, cultivation, probable manner of introduction, etc. Similar list for other groups.

Notes sur l'archipel hawaïen (îles Sandwich).

Mém. Soc. Sci. Nat. Cherbourg 17: 5-104, 1873.

General information on geography and natural history, of the Hawaiian Islands; much of it cited from works of Mann and Brigham, but with some original notes. Incidental mentions of vegetation.

Judd, C. S.

Forestry as applied in Hawaii.

Hawaiian For. Agr. 15: 117-133, 1918.

Contains a short description of the forest types of the Hawaiian Is. and several excellent photographs of these types.

Forestry in Hawaii.

Hawaiian For. Agr. 16: 271-297, 1919.

Description, dynamics, and economics of Hawaiian forests.

The koa tree.

Hawaiian For. Agr. 17: 30-35, 1920 a.

Discussion of this species from a forestry point of view, with excellent photos of koa forest.

The wiliwili tree.

Hawaiian For. Agr. 17: 94-97, 1920 b.

Discussion of this Hawaiian tree (*Erythrina sandwicensis*) from a forestry point of view, with excellent photographs of vegetation.

Judd, C. S.

Reclaiming grassland.

Hawaiian For. Agr. 18: 57-60, 1921 a.

Discussion of experiments in shading out *Paspalum conjugatum* with *Leucaena glauca* in Hawaiian Is., several photographs of vegetation.

Hawaiian forests and trails.

Hawaiian For. Agr. 18: 79-82, 1921 b.

Discussion of human influence on invasion of forests by *Paspalum conjugatum* by accidental transport of seeds.

Reclaiming grassland.

Hawaiian For. Agr. 18: 106-107, 1921 c.

Progress report on experiments described in Judd 1921 a.

The alahoe tree.

Hawaiian For. Agr. 18: 133-137, 1921 d.

Discussion of this Hawaiian tree (*Canthium odoratum*) from a forestry point of view, with photographs of vegetation.

Kilauea National Park trees.

Hawaiian For. Agr. 18: 255-260, 1921 e.

List of trees with Hawaiian and botanical names, and short discussion of vegetation and excellent photographs.

Honolulu watershed protection.

Hawaiian For. Agr. 19: 30-45, 1922 a.

Discussion of dynamics of Hawaiian wet forest, its susceptibility to deleterious influences, and its use in watershed protection.

Reclaiming grassland.

Hawaiian For. Agr. 19: 81-82, 1922 b.

Second progress report on experiments described in Judd 1921 a.

Forestry for water conservation.

Hawaiian For. Agr. 21: 98-102, 1924.

Discussion of Hawaiian forests as watershed protection.

Bamboo against staghorn fern.

Hawaiian For. Agr. 24: 54-55, 1927 a.

Account of experiment in competition of these two plants on Maui; photographs.

Judd, C. S.

Factors deleterious to the Hawaiian forest.

Hawaiian For. Agr. 24: 47-53, 1927 b.

Discussion of the ecology of the forest; photographs.

The natural resources of the Hawaiian forest regions and their conservation.

Hawaiian For. Agr. 24: 40-47, 1927 c.

A brief history of the effects of human activity on the Hawaiian forests; photographs.

Map of Oahu cover classification.

Hawaiian For. Agr. 26: 19, 1929 a.

Detailed vegetation map, no text.

Memoranda for ten-year program of forest work on Oahu.

Hawaiian For. Agr. 26: 9-11, 1929 b.

Estimates the acreage of several types of forest.

The forests of the Hawaiian Islands.

Mid-Pac. Mag. 38: 333-336, 1929 c.

Popular description of vegetation, with several good photographs.

The parasitic habit of the sandalwood tree.

Bishop Mus. Spec. Pub. 20: 5-6, 1932.

Nothing on vegetation except mention of continued existence of sandalwood, and brief history of its exploitation.

Seed dispersal in Hawaii.

Mid-Pac. Mag. 49: 111-118, 1936.

Much information on Hawaiian vegetation, with speculation on modes of seed-dispersal of various plants in relation to the vegetation; good photographs.

Staghorn fern invasion.

Bishop Mus. Spec. Pub. 31: 8-9, 1937.

Brief account of experiments on reestablishment of *Gleichenia linearis* in Hawaii.

Forest resources of the Territory of Hawaii, U.S.A.
Proc. 6th Pac. Sci. Cong. 4: 797-800, 1940.

- Includes brief enumeration of main forest types.
- Jung, E.
Die Insel Mapia.
D. Kol. Zeit. 16: 390, 1899.
"On the coral reef, are three flat, well forested islets, and two sandbanks covered with grass and bushes." Purely geographic-historic treatment, apart from this citation.
- Jung, K. E.
Weltteil Australien.
4 vols., Leipzig, Wien, Prag, 1882-1883 (pub. as vols. 6, 8, 11, and 13 of Das Wissen der Gegenwart).
Geographical descriptions of Australia, New Guinea, Melanesia, Polynesia, and Micronesia, with brief descriptions of the vegetation of many islands, a few drawings. Information on islands compiled from many sources. Special section on "Die Pflanzenwelt" in vol. 3, pp. 68-73. LC: DU22. J8.
- Kajewski, S. F.
A plant collector's notes on the New Hebrides and Santa Cruz Islands.
Jour. Arnold Arb. 11: 172-180, 1930.
General notes, including brief mentions of soils and types of vegetation for Erromanga, Tanna, Anietyum, and Vanna Lava (brief note on sulphur deposits). A paragraph on vegetation of Vanikoro, with notes on main economic plants.
- Plant collecting in the Solomon Islands.
Jour. Arnold Arb. 27: 292-304, 1946.
Includes a description of the vegetation of Bougainville and Guadalcanal, with sketch maps of these islands and of Malaita. Discussion of economic plants.
- Káfrda, C. C.
Ecological studies on marine algae from Korora and adjacent islands in the South Sea Islands.
Palas ... Studies 2: 733-800, 1944.
Description of algal vegetation in different stations in Iwayama Bay. Seasonal variation observed for some species. Important bibliography.
- Kanohira, R.
[Forests of the South Seas Occupied Islands].
Formosan Agr. Rev. 103: 17-21 (713-717), 1915.
In Japanese. General account, with comparison of forests in the different groups. Enumeration of main species. A word on vegetation. Tr.
- Kanohira, R.
[Forests and plants of the South Seas Occupied Islands].
Dai Nihon Saarin Kaihō [Jap. Forestry Assoc.] 394: 18-32, 1915; 395: 1-17, 1915; 401: 54-61, 1916.
A general sketch, in Japanese, of the flora and vegetation, with lists of species and native names, notes on occurrence partly, at least, compiled from other sources. Tr.
- On the ligneous flora of Micronesia, Japanese Mandate.
Nihon Ringaku Kaishi 13: 755-787, 1931.
Japanese text. Includes a general sketch, brief history of botanical exploration, brief note on vegetation, detailed consideration of the distribution of species and genera of woody plants and phytogeographical discussion of the Micronesian Islands. Not seen, abstr. Hosok.
- The forest trees of Micronesia, Japanese Mandate.
Trop. Woods 29: 1-6, 1932.
Brief notes on flora, types of vegetation, and lists of principal trees for the main islands.
- [A botanical excursion to the northern Marianas Islands].
Bot. and Zool. 2: 913-922, 1934.
In Japanese except for Latin names of plants. Rambling account of a trip to the northern Marianas in the summer of 1933. Description of vegetation and notes on plants, for several of the islands, with some new records. Some of the photographs show vegetation. Tr.
- On the flora of Micronesia.
Bull. Biogeogr. Soc. Japan 5: 233-262, 1935.
Pp. 260-262, English summary. Discussion of relationships of Micronesian flora. Some of the photos show vegetation.
- [Forests of Rota].
Bot. and Zool. 4: 63-70, 1936.
In Japanese. Account of a trip in 1935. Includes notes on vegetation. Tr.
- [An account of a trip to the South Seas].
Saarin 657: 94-101; 658: 71-75; 659: 76-81; 660: 81-87; 661: 73-79, 1937.

Vivid account of a trip to New Guinea, through Micronesia and New Ireland. Includes some mentions of vegetation, with notes on changes observed, especially in Saipan and Tinian, since earlier visits. Tr. Takeda.

Karig, W.

The fortunate islands.
1-226, N. Y., 1948.

A highly popular, superficial and not too accurate account of Micronesia, with only casual mention of plants. But with some excellent photographs, many showing vegetation. LC: DU500. K3.

Kariyone, T.

The mangroves in the South-Sea Islands.
Jour. Jap. Bot. 4: 116-120, 1927.

In Japanese. Includes description of mangrove vegetation in Ponape and Truk. Tr.

Kaucher, D.

Wings over Wake.
1-158, San Francisco, 1947.

Text very superficial popular account, but many excellent photographs, some showing the vegetation of Wake I., several of Midway and Guam. LC: DU950. W28 K38.

Kayser, P. A.

Das Pandanus auf Nauru.
Anthropos 29: 775-791, 1934.

Mentions that Pandanus is more ancient than coconuts on the island, the old people remembering the time when the island was covered with Pandanus forests and Pandanus groves on the shore.

Kellers, H. C.

Biological collecting on "Tin-Can Island."
Smiths. Explor. 1930: 67-76, 1931.

Includes brief mentions of vegetation of Niuafoofu, and information on volcanic eruptions and their effects, with photos.

King, J.

A voyage to the Pacific Ocean
3: 1-558, London, 1784.

Cook's third voyage; for vols. 1 and 2 see Cook. The description of the Hawaiian Is. includes incidental mentions of plants and vegetation. Pp. 409-410, brief description of the Volcano Is. especially Sulphur I. LC: G420. C69, 1784.

Kirtilitz, F. H. von

Vierundzwanzig Vegetations-Ansichten von

Küstenländern und Inseln des Stillen Oceans aufgenommen in den Jahren 1827-29 auf der Entdeckungsreise des russischen Corvette "Senjavin" unter Capt. Lütke.

1-68, Wiesbaden, 1844-1845.
See Kirtilitz, 1861.

Kirtilitz, F. H. von

Denkwürdigkeiten einer Reise nach dem russischen Amerika, nach Mikronesien und durch Kamtschatka. 1: 1-383; 2: 1-463, Gotha, 1858.

Vol. 1, pp. 347 et seq. and 2, pp. 1-163 and 416-419 include account of Micronesia; vol. 2, pp. 164-190, description of the Bonin Islands. Much valuable scattered information on vegetation. LC: G480. K62.

Twenty-four views of the vegetation of the coasts and islands of the Pacific.

1-68, London, 1861.

Translated from the German edition by B. C. Seemann, and annotated. Plates 5 to 13, with their accompanying descriptions refer to Micronesia; plates 14-16 concern the Bonin Is. The descriptions are valuable, often transcribed from Kirtilitz 1858. LC: QK 909. K62, rare books.

Kleinschmidt, T.

Reisen auf den Viti-Inseln.

Jour. Mus. Godeffroy 14: 249-283, 1879 a.

Edited from the author's letters. Accounts of several trips in the Fiji Islands. Include descriptions of vegetation.

[-----] T.

Besteigung des Buke-Levu auf der Insel Kandavu, Viti-Gruppe, im Juli 1876.

Verhand. Ges. Erdk. Berlin 6: 154-157, 1879 b.

Description of the ascension of Buke-Levu. Excerpt from above entry.

Knibbs, S. G. S.

The savage Solomons as they were and are.
1-282, Philadelphia, London, [1929].

Narrative of author's experiences as land surveyor in Solomon Islands, 1913; includes occasional, brief notes on vegetation, and a chapter on crops. Among islands mentioned as surveyed: Shortland, Guadalcanal, Vella Lavella, Savo, Florida, Simbo (Narovo), Rennell, Bellona, Kolombangara, etc. LC: DU 850. K6.

Knoche, W.

Die Osterinsel.

1-319, Concepción, 1925.

Compilation of results of 1911 Chilean expedition to Easter Island. Includes chapters on geography, climate, plants, etc. Hardly any mentions of vegetation. Bibliography, poorly reproduced photos. LC: F3169. K7.

Köppen, W., and Geiger, R.

Handbuch der Klimatologie.

5 vols., Berlin, 1930-1939 (of vol. 5 apparently only part X published).

Comprehensive treatment of climatology, with summaries of available data for all parts of the world; Pacific Islands in vol. 4. NYPL: PRB.

Koidzumi, G.

The vegetation of Jaluit Island.

Bot. Mag. (Tokyo) 29: 242-257, 1915.

Notes on vegetation, with a list of plants.

[-----];

[Phytogeography of the island of Jaluit]: in, [Department of Education ...], [Supplement to the Report], 105-116, Tokyo, 1917.

Account of a trip throughout Micronesia in 1915. History of botanical exploration, description of geography, notes on ecological and floristic geography; list of indigenous and cultivated plants. Abstract Takeda.

On the phytogeography of the Jaluit (Jaluit-to Syokuburairi).

South Sea Government 1927: 383-396, 1927.

Japanese text. Plant sociology and plant geography, with enumeration of plants collected by the author in Jaluit. Not seen, abstr. Hosok.

Kotzebue, O. von

A voyage of discovery into the South Seas and Beering's Straits ... in the ship Rurick

3 vols., London, 1821.

Translated from German by H. E. Lloyd. Includes account of visits to various islands of the Pacific. Most of the information on vegetation is to be found in vol. 3, see Chamisso, 1821.

LC: G420. K81.

Entdeckungreise in die Südsee und nach der Berings-Strasse ... unternommen in den Jahren 1815, 1816, 1817 und 1818 ... auf dem Schiffe Rurick

3 vols., Wien, 1825.

First ed., 1821, not seen. For annotation see Kotzebue, 1821. LC: G420. K77.

Kotzebue, O. von

A new voyage round the world in the years 1823, 24, 25, and 26.

2 vols. 1: 1-341; 2: 1-362, London, 1830.

English translation with no indication of translator. Describes visits to various islands, with incidental mention of vegetation, several illustrations, and nautical charts. LC: G420. K87.

Krämer, A.

Die Samoa-Inseln. Entwurf einer Monographie mit besonderer Berücksichtigung Deutsch-Samoas.

1: 1-509, 1902; 2: 1-445, Stuttgart, 1903.

The second vol. contains a chapter on flora, with brief notes on geology and climate, brief mention of vegetation, and index to native names of plants. A few of the photos show vegetation. LC: DU813. K89.

Hawaii, Ostmikronesien und Samoa.

1-585, Stuttgart, 1906.

Account of author's studies in the Marshall and Gilbert Islands, and notes on other countries visited during the voyage. Includes scattered information on vegetation of Hawaii, Marshall and Gilbert Islands, Samoa, etc. Some of the photos incidentally showing vegetation. LC: DU22. K75.

Studienreise nach den Zentral- und Westkarolinen. Mitt. deutsch. Schutzgeb. 21: 169-186, 1908.

Geographical and ethnological, with some notes on the vegetation of Truk and Palau.

Beiträge zur einer Monographie der Hermit-Inseln (Lufarchipel): in, Forschungsreise S. M. S. Planet 1906-7; Lübbert, ed.

5: 57-122, Berlin, 1909.

Includes a brief chapter on geography and geology with mentions of vegetation, and a map. Some of the photos show vegetation. List of flora pp. 117-122. LC: Q115. P7.

Palau: in, G. Thilenius, Erg. Süds. Exp. II B 3, 1: 1-252, 1917; 2: 1-367, 1919; 3: 1-362, 1926; 4: 1-376, 1929; 5: 1-158+ index, 1929.

Vol. 1 includes history of discovery, geography with mentions of vegetation. Many good photos. Vol. 2 has descriptions of islands, and land divisions, very few mentions of vegetation. Photographs.

Die Entstehung und Besiedlung der Koralleninseln.

1-53, Stuttgart, 1927.

Mainly geological, but with a number of photographs showing vegetation on some of the lesser-known of the Carolines, also some showing typhoon-damage. LC: QE565. K78.

Krämer, A.

Inseln um Truk (Centralkarolinen Ost, Lukunór, Námoluk, Lóeap, Nama, Lēmárafat, Namonuito, Pollap-Tamstam): in, G. Thilenius, Erg. Süds. Exp. II B 6, 1: 1-291, 1935.

The geographical and economical sections for each group include a few notes on vegetation, flora and useful plants. Photographs.

Zentralkarolinen I (Lamotrek Gruppe, Oleai, Feis): in, G. Thilenius, Erg. Süds. Exp. II B 10, 1: 1-413, 1937.

The geographical descriptions include mentions of vegetation and plants. Photographs.

Krämer, A. and Nevermann, H.

Ralik-Ratak (Marshall-Inseln): in, G. Thilenius, Erg. Süds. Exp. II B 11: 1-304, 1938.

Mentions of vegetation and plants in the geographical descriptions of islands and groups. Photographs.

Krusenstern, A. J. von [I. F.]

Voyage round the world in the years 1803, 1804, 1805 and 1806
2 vols. London, 1813.

"Translated from the original German by R. B. Hoppner, Esq." 1: 1-314, includes pp. 104-184, account of visit to the Marquesas, with description of islands and natives, but very little information on vegetation. See also Langsdorff, 1812, 1813-14. LC: G420. K92.

Kubary, J. S.

Die Lagune von Ebon
Jour. Mus. Godeffroy 1: 33-47, 1873.
See Gräffe, E. 1873.

Die Palau-Inseln in den Südsee.
Jour. Mus. Godeffroy 1(4): 1-62 (177-238), 1873.
General description of the islands, with a few mentions of vegetation in the geographical part p. 32 (208).

Kubary, J. S. (Krause, ed.)

Ein Beitrag zur Kenntnis der Ruk Inseln.
Mitt. Geogr. Ges. Hamburg 1887-1888 (1): 53-63, 1888.

General description of the group, and of individual islands. Climate p. 54, paragraph on vegetation pp. 53-54.

Kubary, J.

Ethnographische Beiträge zur Kenntnis des Karolinen Archipels.

1-3: 1-306, Leiden, 1889-1895.

On pp. 100-101 (1889) is an account of the vegetation of Mapia. LC: GN671. C3 K9.

Kumesh, J. F. ed.

An historic inventory of the physical, social and economic and industrial resources of the Territory of Hawaii.

1-322, Honolulu, 1939.

A general treatment with chapters on geography, soils, ecology, agriculture, etc., with many maps, some showing climatic zones, soils, and land use; much statistical information on land use, acreages in several types of agriculture, etc., incidental notes on natural vegetation. The various chapters by different authors. LC: HC687.H3 A3 Pub. no. 1.

Kuroda, N.

Report on a trip to Marcus Island with notes on the birds.

Pac. Sci. 8: 84-93, 1954.

Includes brief description of island, notes on vegetation and plants. Some comparison of data obtained in 1952 with those in earlier reports.

[Kusano, S.]

[Forests of the South Sea Islands]: in, [Department of Education], [Supplement to the report], 29-49, Tokyo, 1917.

Observations made in Micronesia in 1915; notes on mangrove forest, lowland forest along the sea-coast and montane forests. General description, species present, uses, management, etc. Abstract Takeda.

Labillardière, J. J. H. de

Relation du voyage à la recherche de La Pérouse.
1: 1-442, 2: 1-332, 1-113, Paris, 1800.

Vol. 1 includes descriptions of New Caledonia, Bougainville, Carteret (Lamassa) Harbor in New Ireland, and the islands in it, Sandwich I., Admiralty Is., Hermit Is. and Nimigo; scattered mentions of plants (with some botanical names) and vegetation. Vol. 2 includes descriptions of the Tongan Is. especially Tongatabu, New Caledonia, and brief mentions of some of the Solomon Is. and islands in the Louisiade and Bismarck groups; some mentions of plants (including descriptions of some new species) and vegetation. See also Rossel, 1808. LC: G420. L28 E5.

Lackowitz, W. ed.

Botanische Anstalten, Vereine, Tauschvereine,
Exsiccatawerke, Reisen usw.

Allgem. Bot. Zeitschr. 10: 59-61, 1904.

Contains the summary of a talk by Volkens on
the vegetation of the Marianas, p. 61. See
Volkens, 1904.

Lacroix, A.

Clipperton, îles de Pâques et Pitcairn, esquisse
lithologique.

Ann. Inst. Océanogr. 18: 290-330, 1939.

Geological, with very brief geographic notes
and photos showing vegetation.

Ladd, H. S., Tracey, J. I., Jr., Wells, J. W. and
Emery, K. O.

Organic growth and sedimentation on an atoll.
Jour. Geol. 58: 410-425, 1950.

Geological account, but contains important
data on algal vegetation of coral reefs of Bikini
Atoll.

Lamb, S. H.

The trees of the Kilauea-Mauna Loa section,
Hawaii National Park.

Nat. Hist. Bull. (Hawaii Nat. Park) 2: 1-32, 1936.

Introduction contains a description of the vege-
tation zones; individual treatments of tree species
have remarks on their places in vegetation.

Lambert, S. M.

Health survey of Rennell and Bellona Islands.
Oceania 2: 136-173, 1931.

Includes a brief description, hardly a word on
vegetation.

Lane-Poole, C. E.

The forest resources of the territories of Papua and
New-Guinea. Report.

1-209, Govt. Commonwealth of Australia, 1925.

Description of the types of forests, with long
list of species collected, and some notes on
climate, economical value of forests, etc. Al-
though the second part (New Guinea) includes
Bismarck Archipelago, there are only some brief
paragraphs on the forests of New Britain and New
Ireland: see pp. 55, 61, 62. LC: SD115. P3 L3.

Langhans, P.

Karawarra in der Neu-Lauenburg-Gruppe.
Petermanns Mit. 44: 275-276, 1898.

Brief paragraph, and sketch-map of Kerawarra
in the Duke of York Islands. Includes a word on
vegetation. Information cited from Pfeil, who

was there.

Langsdorff, G. H.

Bemerkungen auf einer Reise um die Welt in den
Jahren 1803 bis 1807

2 vols., Frankfurt am Mayn, 1812.

Langsdorff was physician and naturalist on
Krusenstern's expedition. Vol. 1: 74-169 includes
account of stay in the Marquesas Islands. Notes on
aspect of islands, food plants, etc., but very little
information on vegetation. LC: G420. K94 L19.

Voyages and travels in various parts of the world
during the years 1803 ... 1807

2 vols., London, 1813-1814.

English edition of Langsdorff, 1812, with no indi-
cation of translator. LC: G420. K94 L2.

[La Pérouse, J. F. de]

Voyage de La Pérouse autour du monde

4 vols., Paris, 1797.

La Pérouse sent his journal and observations back
to Paris shortly before his ships were lost. The ma-
terial was edited by L. A. Millet-Mureau. Vol. 1
includes, p. xix, a list of explorers of the Pacific,
and, pp. 62-155, historical and geographical notes
on Pacific Islands, with information on earlier voya-
ges. Vol. 2 includes accounts of Easter, Maui,
Necker, French Frigates Shoal, Assumption (Mariana-
s). Vol. 3 includes description of Samoa and Tou-
ga. Vol. 4 has a description of Easter. Scattered
mentions of vegetation especially interesting for
little-known islands, especially Assumption. LC:
G420. L2.

Lauterbach, C.

See Sapper 1910 a.

Die Pflanzenformationen einiger Gebiete Nordost-
Neu-Guinea und des Bismarckarchipels.
Bot. Jahrb. 62: 284-304, 550-569, 1928; 63: 1-28,
1929; 419-476, 1930.

63: 3-12, 1929, describes vegetation formations
of northeast New Britain and the small islands of
Neu Lauenburg (Duke of York Is.) All the other
parts of the papers concern New Guinea.

Laxton, P. B.

Nikumaroro.

Jour. Polym. Soc. 60: 134-160, 1951 [1952].

Account of the Gilbertese colony on Gardner I.,
Phoenix Is., including incidental notes on vegeta-
tion.

- Leber, A.**
 Durchquerung der Insel Manus (Admiralitätsinseln).
 Petermanns Mitt. 69: 201-204, 262-266, 1923.
 Account of an expedition across Manus, with description of country and brief mentions of vegetation.
- Lennox, C. G.**
 Forest resources.
 Proc. Haw. Acad. Sci. 28: 3, 1953.
 Includes brief mentions of forest ecology and forestry work in Hawaii.
- Leopold, L. B.**
 Hawaiian climate: its relation to human and plant geography.
 Meteor. Monogr. 4(3): 1-6, 1951.
 Contains data of interest in the study of vegetation, as well as a short section on vegetation and agriculture, and several sections on the relation of climate to the pineapple industry; photographs, map of annual rainfall.
- Lesson, P. A.**
 Voyage aux îles Mangareva.
 1-164, Rochefort, 1844.
 General notes, including a few descriptions of the islands and superficial mentions of vegetation. Enumeration of some economic plants. LC: DU680. L5.
- Lesson [R.] P.**
 Voyage autour du monde entrepris par ordre du gouvernement sur la corvette La Coquille.
 2 vols., Paris, 1838.
 Vol. 1 includes mentions of vegetation of Tahiti and Bora-Bora; vol. 2, some notes on vegetation of New Ireland and Kusaie. LC: G420. C78.
- Lesson [R.] P. and Garnot, P.**
 Zoologie I, 1 and 2, 1826-1828: in, Duperry, Voyage autour du monde... de... "La Coquille"....., 1825-1830.
 Part 1, by Lesson, includes general notes on Pacific Islands and chapters on Tahiti, Bora-Bora and New Ireland, with descriptions of vegetation, plants and climate. Part 2 includes chapter by Lesson on Oualan (Kusaie) with mentions of climate, vegetation and plants. LC: Q115. D93.
- Lever, R. J. A. W.**
 The physical environment, fauna and agriculture of the British Solomon Islands.
 Trop. Agr. [Trinidad] 14: 281-285, 307-312, 1937.
- General information, hardly any mention of vegetation. Flora pp. 310-311.
- [ewton]-B[rain], L.**
 The Maui forest trouble.
 Hawaiian Pl. Rec. 1: 92-95, 1909.
 Brief account of investigation of the dying-out of native forest on windward Maui.
- Lindgren, W.**
 The water resources of Molokai, Hawaiian Islands.
 U. S. G. S. Water-supply Pap. 77: 1-62, 1903.
 The introduction includes account of topography, geology, climate, vegetation.
- The water resources of Molokai.
 Hawaiian For. Agr. 5: 191-195, 1908.
 Excerpt from Lindgren, 1903, giving information on vegetation.
- Linke, F.**
 Der Vulkan in Sawail.
 D. Kolonialbl. 18: 164-165, 1907.
 Mention of a volcanic eruption in Sawail (1905) and description of lava flows.
- Linton, A. M.**
 Notes on the vegetation of Penrhyn and Manihiki Islands.
 Jour. Polyn. Soc. 42: 300-307, 1933.
 More a list of species, with notes on habitat and uses than a description of vegetation. Mentions presence of guano on some of the islets.
- Lisiansky, U.**
 A voyage round the world....
 1-388, London, 1814 (transl. from Russian ed., 2 vols., St. Petersburg, 1812).
 Includes a description of Easter Island, p. 52, mentioning vegetation, occasional casual notes on the vegetation of the Marquesas and very minor ones on that of Hawaii. LC: G420. L73, rare books.
- Lister, J. J.**
 A visit to the newly emerged Falcon Island, Tonga Group.
 Proc. R. Geogr. Soc. London n. s. 12: 157-160, 1890.
 Detailed description of this little island, with mention of the few plants living on it at the time. In 1898 it had disappeared, and reappeared in 1927.
- The geology of the Tonga Islands.
 Quart. Jour. Geol. Soc. London 47: 590-617, 1891.

Description of topography and geology. Includes a word on the vegetation of Eua.

Looser, G. ed.

La Isla de Pascua.

Rev. Chil. Hist. Geogr. 73: 157-160, 1932.

Compiled information on Easter Island including vegetation and flora.

Low, J. S. and Judd, C. S.

Hawaiian forest areas.

Univ. Hawaii Agr. St. 1: 1-8, 1927.

Brief notes on forests, with maps showing extension of native and Algaroba forests on main islands.

[Lucatt,]

Rovings in the Pacific

2 vols., London, 1851.

Narrative of author's many years in the Pacific, verbose, but with much information on various islands, some notes on vegetation are of interest in showing subsequent changes. LC: G477. L93.

[Lübbert, ed.]

Forschungreise S. M. S. "Planet" 1906-1907, herausgegeben vom Reichs-Marine-Amt.

5 vols., Berlin, 1909.

Account and scientific results of the voyage of the "Planet" in the Indian and Pacific Oceans. Visited the Bismarck Archipelago and passed Micronesia on the way to the Philippines. See Krämer, 1909. LC: Q115. P7.

Lütke, F. P. (also written Lutke)

Voyage autour du monde exécuté par ordre de Sa Majesté l'Empereur Nicolas Ier, sur la corvette Le Seniavine, dans les années 1826, 1827, 1828, et 1829. Partie historique.

3 vols., Paris, 1835-1836; atlas 1-38, 51 plates, Paris, [1835].

Vol. 1 includes visit to Brown's range and Uaian, with description of islands and a few words on vegetation. Vol. 2 describes some of the Caroline and Marianas Is. with a few mentions of vegetation. For vol. 3, see Kittlitz, Mertens, Postels. The atlas includes views of the Carolines showing vegetation, with explanatory notes by Postels and Kittlitz. LC: G420. L93, rare books.

Luke, H.

Fonuafo'o or Falcon Island.

Geogr. Jour. 98: 33-34, 1941.

Notes on Falcon, with three photos taken in

1940. Vegetation: one coconut seedling.

Luschan, F. von

Zur Ethnographie der Matty-Insel.

Int. Arch. Ethn. 8: 41-56, 1895.

Mainly material culture, but with a brief reference to vegetation.

Lydgate, J. M.

Reminiscences of an amateur collector.

Hawaiian Annual 46: 120-126, 1919; 47: 68-76, 1920; 48: 61-67, 1921.

Account of collecting trips on Lanai, Molokai and west Maui, with Hillebrand; includes notes on vegetation traversed.

Lyon, H. L.

The forest disease on Maui.

Hawaiian Pl. Rec. 1: 151-159, 1909.

Results of investigation of the dying-out of forests on windward Maui, with theory as to the causes.

The forests of Hawaii.

Hawaiian Pl. Rec. 18: 276-280, 1918.

Notes on the destruction of Hawaiian forests, and the changes in environment which will bring about their further disappearance. Recommendations for reforestation.

Some observations on the forest problem of Hawaii. Hawaiian Pl. Rec. 21: 289-300, 1919.

Discussion of problems brought about by the necessity for reforestation, including notes on relationships between forests and soils and water-supply. Photos.

Hawaiian forests.

Hawaiian For. Agr. 19: 159-162, 1922.

Discussion of Hawaiian vegetation dynamics with special reference to effects of invasion by *Paspalum conjugatum*.

Forestry on Oahu.

Hawaiian Pl. Rec. 27: 283-310, 1923.

Account of reforestation policies and activities with some description of forests and of changes that have occurred in them, photos of seedlings of introduced trees used in reforestation, map showing forest reserves and plantings.

Lyon, H. L.

Forestry on Oahu.

Hawaiian For. Agr. 26: 11-15, 1929 a.

Discusses problems involved in reestablishing a forest cover on the Hawaiian watersheds.

Ten years in Hawaiian forestry.

Hawaiian Pl. Rec. 33: 54-97, 1929 b.

Account of forestry program of Hawaiian Sugar Planters Association, with lists of trees introduced and many photographs of Hawaiian forests and of introduced trees.

The flora of Maunaloa 160,000 years ago.

Bishop Mus. Spec. Pub. 16: 6-7, 1930.

Paleobotanical study bearing on changes in vegetation of Oahu.

MacCaughy, V.

The mountain trail from Wahiawa to Kahana.

Hawaiian For. Agr. 7: 352-358, 1910.

Contains some description of the vegetation along the trail.

The kukui forests of Hawaii.

Parad. Pac. 25 (1): 21-22; (6): 14-16, 1912.

Popular description of an important forest type. The article in no. 6 is a reprint of that in no. 1, with the addition of some good photographs.

The Kooleau mountains between Wahiawa and Kahana, Oahu.

Hawaiian For. Agr. 11: 325-329, 1914.

Account of an expedition to study vegetation, with some notes on vegetation and a number of photographs, unfortunately badly reproduced.

A biological survey of Oahu.

Hawaiian For. Agr. 12: 23-33, 1915.

A proposal for a survey, with short description of Oahu, including brief notes on vegetation.

Vegetation of the Hawaiian summit bogs.

Am. Bot. 22: 45-52, 1916 a.

Excellent description of the bogs and their vegetation.

The forests of the Hawaiian Islands.

Plant World 19: 162-166, 1916 b.

Brief description of vegetation zones and discussion of ecological factors, with two poorly reproduced photographs.

MacCaughy, V.

Gunnera petalaidea Gaud., a remarkable plant of the Hawaiian Islands.

Am. Jour. Bot. 4: 33-39, 1917 a.

Mainly a description of the plant, but with some information on the vegetation of which it is a component.

The guavas of the Hawaiian Islands.

Bull. Torrey Bot. Club 44: 513-524, 1917 b.

Mainly describes the plants, but also discusses the vegetation of which they are a part.

The mangrove in the Hawaiian Islands.

Hawaiian For. Agr. 14: 361-366, 1917 c.

Verbose general account of mangroves, with notes on original introductions of mangroves which now form a conspicuous vegetation type in Hawaii.

The phytogeography of Manoa Valley, Hawaiian Islands.

Am. Jour. Bot. 4: 561-603, 1917 d.

Detailed account of the ecology of Manoa Valley, Oahu, treating vegetation, with lists of species in different habitats, and poorly reproduced photos of vegetation.

The Oahu rain forest.

Am. Forestry 23: 276-278, 1917 e.

Popular description of some aspects of vegetation on Oahu, with a few photos.

Vegetation of Hawaiian lava flows.

Bot. Gaz. 64: 386-420, 1917 f.

Comprehensive description and discussion of many aspects of Hawaiian vegetation, and some attempt at interpretation of its behavior, with many poorly reproduced photos.

Algae of the Hawaiian Archipelago I. II.

Bot. Gaz. 65: 42-57, 121-140, 1918 a.

Includes a consideration of algal vegetation.

A survey of the Hawaiian coral reefs.

Am. Nat. 52: 409-438, 1918 b.

Contains a rather superficial discussion of algal vegetation and its relation to reef-building.

MacCaughey, V.

An ecological survey of the Hawaiian pteridophytes.

Jour. Ecol. 6: 199-219, 1918 c.

Contains a short description of vegetation zones, with short lists of ferns characteristic of each, as well as a systematic list of species.

The genus *Gleichenia* (Dicranopteris) in the Hawaiian Islands.

Torrey 18: 41-52, 1918 d.

Discusses the place and behavior of the species of *Gleichenia* in Hawaiian vegetation.

The Hawaiian sumach

Torrey 18: 183-188, 1918 e.

Considers the place of this species in the lowland vegetation and its reduction by competition from introduced plants.

The native bananas of the Hawaiian Islands.

Plant World 21: 1-12, 1918 f.

Contains some information on the place of these bananas in the vegetation.

The strand flora of the Hawaiian Archipelago.

I. Geographical relations, origin, and composition. II. Ecological relations.

Bull. Torrey Bot. Club 45: 259-277, 483-502, 1918 g.

Detailed discussion, floristic, geographic, descriptive, and ecological.

History of botanical exploration in Hawaii.

Hawaiian For. Agr. 15: 388-396, 417-429, 508-510, 1918; 16: 25-28, 49-54, 1919.

Chronological account, quoting some notes on vegetation from records of expeditions, mentioning the original introductions of the grazing animals which have been the most influential single factor in the alteration of the Hawaiian vegetation. Bibliography.

Hawaii's tapestry forests.

Bot. Gaz. 70: 137-147, 1920.

Good description of montane rain-forest, with

a number of photographs.

MacDonald, G. A., and Hubbard, D. H.

Volcanoes of Hawaii National Park.

Hawaii Nat. Notes 4 (2): 1-[43], 1961.

Geological but contains several photographs showing vegetation.

Macdonald, J. D.

Proceedings of the expedition for the exploration of the Rewa River and its tributaries, in Na Viti Levu, Fiji Islands.

Jour. R. Geogr. Soc. London, 27: 232-268, 1857.

Detailed account of a trip. Descriptions of vegetation are rather vague. A few notes on economic plants, and a list of timbers (native names only, and a brief description).

MacGillivray, J.

Sketch of the natural history of such portions of the Louisiade Archipelago and New Guinea, as were visited by H. M. S. "Rattlesnake," June to September, 1849.

Jour. R. Geogr. Soc. London 21: 15-18, 1851.

Includes notes on coastal vegetation of the Louisiade Archipelago.

Narrative of the voyage of H. M. S. Rattlesnake

2 vols. 1: 1-402, London, 1852.

Includes account of visit to the Louisiade Archipelago, with description of several islands and mentions of vegetation. See also Huxley, 1935. 2: 1-395, 1852 concerns mostly Australia. LC: DU21 M19.

Letter from John Macgillivray, Esq., naturalist of H. M. Surveying-ship Herald, commanded by Captain Denham, dated Sydney, March 3rd, 1854. Hook. Jour. Bot. Kew Miscel. 6: 353-363, 1854.

Includes description of collecting on Isle of Pines, and the New Hebrides, with brief notes on vegetation (*Ancistrum*, Futuna and Tanna).

Macmillan, L.

Note sur les oiseaux des îles Loyauté.

Ex. Mélan. 1 (1): 22-26, 1938, (2): 39-41, 1939.

Description of birds observed and collected in the Loyalty Islands (American Mus. of Nat. Hist. Exped. 1937-38). The first part is a description of topography, vegetation, etc. Including one of the few accounts of *Beautemps Beupré* Atoll, and sand bank *Motan Tabou*.

- Macrae, J.
see Wilson, W. F., 1921.
- Malden, J. H.
Notes on the botany of Pitcairn Island.
Australas. Assoc. Adv. Sci. 8: 261-270, 1901.
Almost entirely historical and floristic, but with bibliography and some notes that might be of use, considering the scarcity of information on the vegetation. Reprint. LC: QK473. P7M2.
- Maitland, A. G.
The salient geological features of British New Guinea (Papua).
Jour. W. Austr. Nat. Hist. Soc. [2] (2): 32-56, 1904.
Contains remarks on the geological character of some of the Louisiade Is., with emphasis on elevated coral reefs, and only slight mention of vegetation.
- Malinowski, S.
Coral gardens and their magic.
1: 1-500, London, 1935.
Study of native gardening customs in the Trobriand Is., with much information on economic plants. Very little information on structure of islands or vegetation. LC: GN671.N5 M33.
- Manchester, C. A., Jr.
The Caroline Islands; in; Freeman, *Geography of the Pacific*, 236-269, 1951.
Contains brief accounts of the vegetation of the important islands; maps, photographs, bibliography.
- Mann, H.
[Denudation on the Hawaiian Islands.]
Proc. Boston Soc. Nat. Hist. 10: 232-234, 1866.
Short description of the dry west coast of Hawaii, with notes on the dry portions of some of the other Hawaiian Islands.
- Enumeration of Hawaiian plants.
Proc. Am. Acad. 7: 143-235 1867.
Systematic enumeration, but with a short description of the vegetation on pp. 145-148. Reprint in LC: QK473. H4 M2.
- Notes on *Alsinidendron*, *Platydeuma*, and *Brighamia* ... with an analysis of the Hawaiian flora.
Mem. Boston Soc. Nat. Hist. 1: 529-541, 1860 a.
Systematic, but contains an outline of the vegetation zones with floristic lists for each written by W. T. Brigham.
- Mann, H.
Statistics and geographical range of Hawaiian (Sandwich Islands) plants.
Jour. Bot. 7: 171-183, 1860 b.
Reprinted from 1860 a.
- Marche, A.
Mon voyage aux îles Mariannes.
Bull. Soc. Géogr. Marseille 14: 22-30, 1890.
Includes notes on geography of islands, cultivated plants, brief mentions of vegetation.
- Rapport général sur une mission aux îles Mariannes.
N. Arch. Mus. Sci. et Lit. Paris 1: 241-280, 1891.
Official report of a French anthropological mission (1887). Author visited most of the islands staying several months on the larger ones. The report has brief mentions of soil, water supply, vegetation.
- Notes de voyage sur les îles Mariannes.
Bull. Soc. Géogr. Comm. Havre 25: 40-61, 65-96, 1893.
Note on geography and history of the islands. Excursions on both southern and northern islands, with superficial notes on vegetation.
- Marques, A.
Notes pour servir à une monographie des îles Samoa.
Bol. Soc. Geogr. Lisboa 8: 5-158, 1889.
Important source of information, the author having apparently visited the islands. Includes account of topography, geology, volcanoes, soils, climate, vegetation and economic plants. Map.
- Marrlett, Mrs. I. (Lee) ed.
Captain Bligh's second voyage to the South Sea.
1-290, London, 1920.
Includes mentions of Bligh's lagoon island (Tamatangi, Tuamotu), and Society, Fiji and New Hebrides groups, with descriptions of some islands, and occasional brief mentions of vegetation. LC: DU20, B5.
- Marshall, A. J.
The black muntsteers.
1-329, London, 1937.
Narrative of the author's stay in the New Hebrides. Includes occasional mentions of vegetation, with a few photos. LC: DU700. M36.

Marshall, C.

Forestry problems of the south Pacific.

Agr. Jour. [Fiji], 20 (4): 1-7, 1949.

States case for conservation, describes history of the degradation of forests, principally in Fiji, suggests methods for reforestation; excellent aerial photographs of Fijian vegetation.

Report on forestry in American Samoa.

SIM Rept. 11: 1-172, 1951 a (mimeographed).

Discussion of general forest situation, with extensive recommendations, and with incidental information on vegetation. An appendix includes an index of plants of interest to foresters, compiled from various sources, and a bibliography, as well as much forestry and meteorological information. DA: 99. 28 M35.

Report on forestry in the Trust Territory of the Pacific Islands.

SIM Rept. 14: 1-94, 1951 b (mimeographed).

Discusses forestry problems, with casual references to vegetation; some extracts from unpublished reports by E. G. Holt.

Marshall, J. T., Jr.

The endemic avifauna of Saipan, Tinian, Guam and Palau.

Condor 51: 200-221, 1949.

Includes incidental mentions of vegetation and plants and some photos showing vegetation of Tinian.

Marshall, P.

Geology of Mangaia.

Bishop Mus. Bull. 36: 1-48, 1927.

Includes occasional mentions of vegetation. Several topographic sketches, and two rather poor photos showing vegetation.

Geology of Rarotonga and Atiu.

Bishop Mus. Bull. 72: 1-75, 1930.

Includes several mentions of vegetation.

Martin, W. F. and Pierce, C. H.

Water resources of Hawaii 1909-1911.

U. S. G. S. Water-supply Pap. 318: 1-552, 1913.

The brief descriptions of each of the main islands include mentions of vegetation. The paper includes tables of rainfall records obtained at many stations in the main islands, in 1910 and 1911. A few photos. Maps.

Matsunaka, S.

[Ethnography of Micronesia] (Micronesia Minzokushu).

[1-687, Tokyo, 1943].

In Japanese, includes much material culture involving plants, many photos incidentally showing vegetation. (Copy seen in Bishop Museum, Honolulu, dated 1938, in pencil).

Mayor, A. G.

Rose Atoll, American Samoa.

Proc. Am. Philos. Soc. 60: 62-70, 1921.

Detailed study of the atoll, with description of geography, corals, and, pp. 62-63, vegetation.

Rose Atoll, American Samoa.

Carnegie Inst. Pub. 340: 73-79, 1924.

Reprinted from Mayor, 1921 with photographs showing vegetation.

McEldowney, G. A.

Forestry on Oahu.

Hawaiian Fl. Rec. 34: 267-287, 1930.

Account of reforestation on Oahu, with many photographs.

McLellan, M. E.

Expedition of the California Academy of Sciences to the Revillagigedo Islands.

Science n. s. 62: 171-173, 1925.

Includes brief general description of islands with a word on vegetation and history of scientific collecting on them.

Mead, J. P.

The forests of the Fiji Islands.

Emp. For. Jour. 7: 47-54, 1928 a.

General notes, with description of main forest types, and mention of main useful trees.

The forests of the Colony of Fiji.

Legislative Council Paper Fiji 4: 1-47, 1928 b.

General report on forests, their composition, exploitation, etc. Includes brief paragraphs on soils, climate, main forest types, and list of species, with annotations and native names.

A tour in Fiji.

Malay. Forest. 2: 24-32, 61-71, 1933.

Account of a visit to Fiji, with brief descriptions of vegetation.

Meincke, C. E.

Die Gilbert- und Marshall-Inseln.

Zeitschr. f. Allg. Erdk. Berlin n. s. 15: 369-417, 1863.

Comprehensive compilation from many sources, all of them constantly acknowledged. Includes geographical description, climate, vegetation, flora, etc.

Der Gebirgsbau der Gruppe Hawaii.

Petermanns Mitt. 20: 208-219, 1874.

Geographical description of the Hawaiian Is. and especially their mountains, with casual very brief mentions of vegetation.

Die Inseln des Stillen Oceans. I. Melanesien und Neuseeland, 1-382, 1875; II. Polynesien und Mikronesien, 1-487, Leipzig, 1876.

Detailed geographical monograph, with sources constantly acknowledged in footnotes, and with occasional original notes and remarks. Includes descriptions of vegetation and climate. CY: En. 875.

Menzies, A.

Ascent of Mount Hualalai; extract from A. Menzies' journal of Vancouver's voyage 1790-1794. Hawaiian Annual 36: 72-89, 1909.

Includes description of vegetation encountered during excursion.

------(W.F. Wilson ed.)

Hawaii nei 128 years ago.

1-199, Honolulu, 1920.

The portion of Menzies' journal relating to the Hawaiian Islands, with an introduction by Wilson. Contains a great amount of information on the vegetation as observed by a botanist in the late 18th century, with some drawings made at the time and many modern photographs, some showing vegetation. Bish: DU623. M55.

Merrill, E. D.

An enumeration of the plants of Guam.

Philip. Jour. Sci. C. Bot. 9: 17-155, 1914.

Discussion of Guam vegetation and flora (origin, etc.) Enumeration of species known at the time including many described for the first time.

Man's influence on the vegetation of Polynesia with special reference to introduced species.

Proc. 6th Pac. Sci. Cong. 4: 629-639, 1940.

Contains little on vegetation as such, but a very important historical survey of the introduction of exotic plants into the Pacific, a subject that must be considered in any study of vegetation of the region.

Merrill, E. D.

Plant life of the Pacific world.

1-295, N. Y., 1945 (Fighting Forces ed., pub. by the Infantry Journal, 1-298, Washington, 1945).

A popular, but highly informative account of the common plants, especially economic ones and the vegetation of the tropical Pacific region. Excellent introduction to area. LC: QK471. M4.

Mertens, [K. H.]

Mémoires sur l'archipel des Carolines, particulièrement sur les îles basses.

Rec. Act. Séances Pub. Acad. St. Pétersbourg 1829: 95-186, 1830.

Relation of the geography, aspect and native life of the islands. A few mentions of vegetation pp. 101-109.

Notices sur les îles Carolines: in, Lütke, Voyage autour du monde ... Le Séniavine

3: 132-144, 1836.

Notes on vegetation and plants: pp. 132-141, high Carolines, pp. 141-143, low Carolines, pp. 143-144, Feys (Fais). Reprinted from Mertens, 1830.

Métraux, A.

Ethnology of Easter Island.

Bishop Mus. Bull. 160: 1-432, 1940.

Includes a chapter on geography, water resources, climate. Notes on vegetation as described by earlier visitors.

[Mettler, R. ed.]

Schilderungen von Küstenländern und Inseln des Stillen Oceans.

Neue Allg. d. Gart. Zeit. 1: 342-353, 389-398, 1845.

Extensive comments on Kittlitz 1844-45. In the first part, general popular notes on the influence of climate on vegetation. In the second part, description of vegetation of Ualan, pp. 389 et seq. and Guam, p. 394, as seen in Kittlitz' pictures.

Mayen, F. J. F.

Reise um die Erde ausgeführt auf dem ... Prinzess Louise ... in den Jahren 1830, 1831 und 1832.

2 vols., 2: 1-411, Berlin, 1835.

Narrative of voyage, with large section on

- Hawaiian Islands, with descriptions of vegetation of places visited. LC: G420. M6.
- Meyen, F. J. F.
 Outlines of the geography of plants....
 1-422, London, 1846.
 Translation by Margaret Johnston. For its time a very erudite summary of plant geography in its inclusive sense, including long discussions of vegetation in relation to environment, with scattered bits of information on the Hawaiian Islands and other Pacific groups, some of it based on the author's own observations. LC: QK101. M6.
- Mialaret, T.
 L'île des Pins; son passé, son présent, son avenir; colonisation et ressources agricoles.
 1-222, Paris, 1897.
 Geographic treatment, including scattered notes on vegetation; a section, pp. 71-80, on forest types and a section on economic plants; map. AA: Vg M58.
- Miller, H. A.
 Moss societies on Oahu.
 Proc. Haw. Acad. Sci. 28: 8, 1953.
 Classification of mosses according to Gams' system, with brief ecological notes.
- Milne, W.
 The voyage of H. M. S. Herald; being an extract of a letter from M. Milne, dated Island of Tanna, New Hebrides, December 4, 1854.
 Hook. Jour. Bot. Kew Miscel. 7: 151-155, 1855.
 Notes on the trip of the "Herald" from Australia to Fiji and Tanna. Includes a few mentions of the vegetation of some of the small Fiji Islands, and a word on Tanna and its volcano.
- Excursion into the interior of Naviti Levue, the principal of the Feejee Islands; being extracts of a letter...dated island of Ovolau, Feejee, Oct. 7, 1856.
 Hook. Jour. Bot. Kew Miscel. 9: 106-115, 1857.
 Account of a trip up the Navua river in Viti Levu. Mentions of plants, and descriptions of vegetation.
- Mitchell, S. A.
 With an astronomer on an eclipse expedition.
 Sci. Mo. 47: 5-21, 1938.
 Total solar eclipse observed from Canton Island (1937). Includes a word on aspect and vegetation of island.
- Moerenhout, J. A.
 Voyages aux îles du Grand Océan.
 1: 1-574, 2: 1-520. Paris, 1837.
 Valuable account of the author's voyages through the South Pacific. The first volume includes description of Easter, Pitcairn, the Gambier, Tuamotu and Society Islands, with notes on foods and brief mentions of vegetation. LC: DU21. M69.
- Moresby, J.
 Discoveries and surveys in New-Guinea and the d'Entrecasteaux Islands.
 1-327, London, 1876.
 Account of surveys of H. M. S. Basilisk. Some mention of vegetation in Tonga, Ellice, Santa Cruz, New Hebrides and d'Entrecasteaux Islands. LC: DU740. M84.
- Morrell, B., Jr.
 A narrative of four voyages to the South Sea, north and south Pacific Ocean...1822 to 1831.
 1-492, N. Y., 1832.
 Morrell visited many islands in the Pacific, Hawaii, Carolines, Tann (Massacre), various islands in the Bismarck Archipelago and in the Eastern Pacific: Galapagos, Clipperton, etc. Includes incidental brief mentions of vegetation. See Dumont d'Urville, 1833. LC: G463. M87.
- Morrison, A.
 The natural features of the New Hebrides: in, Robertson, H. A., Erromanga, the martyr isle, 449-463, N.Y., London, 1902.
 Includes general geographical characteristics and descriptive notes on vegetation. Morrison visited the islands in 1896. NYPL.
- Moseley, H. N.
 Notes on plants collected and observed at the Admiralty Islands.
 Jour. Linn. Soc. Bot. 15: 73-82, 1876.
 Description of vegetation and notes on plants; chapter on economic plants.
- Notes by a naturalist on the "Challenger".
 1-620, London, 1879.
 See next entry. Smi.: 508. 2 C437.
- Notes by a naturalist. An account made during the voyage of H. M. S. "Challenger"....
 1-540, London, 1892 (new and revised ed.)
 Includes valuable description of vegetation for several groups: Tonga, Fiji, New Hebrides,

Admiralty, Hawaii and Tahiti. LC: QH11.M88.

Metoda, S.

Plankton productivity of Iwayama Bay in Palao, South Seas.

Palao ... Studies 2: 219-238, 1941.

Attempt to decide whether there is seasonal change in plankton distribution. Phytoplankton and zooplankton treated separately in tables of observations. Results not yet conclusive.

Moul, E. T.

Algae of Onotoa, Gilbert Islands.

Phyc. News Bull. 6: 19-20, 1953.

Abstract of paper on distribution of algae, with some information on algal vegetation, reef zonation, and role of algae in reef-building.

Moverley, A. V.

Pitcairn Island: an economic survey.

Fiji Soc. Sci. Ind. 4: 61-67, 1953.

Includes discussion of soil, climate, etc. Discussion of plant pests, deforestation and soil erosion indirectly provides information on vegetation.

Müller, W.

Yap: in, G. Thilenius, Erg. Stds. Exp. II B 2, 1: 1-380, 1917; 2: 381-810, 1918.

First volume includes brief mentions of plants and vegetation, not original. Good photos.

Munro, G. C.

Hilo grass and trails.

Hawaiian For. Agr. 18: 195, 1921.

Discussion of Judd 1921 a, with reply by Judd.

Forest covers.

Hawaiian Agr. For. 19: 45-46, 1922.

Remarks on dynamics of Hawaiian forests in reply to Judd 1922 a.

Windbreaks for wind eroded lands.

Hawaiian For. Agr. 26: 124-125, 1929.

Discussion of reestablishment of vegetation on denuded areas of the island of Lanai, Hawaiian Is.

Myriad-nested Laysan.

Asia 39: 686-689, 1930.

Popular but very informative account of the island, especially the birds, but also of vegetation, from notes made by author on visit in 1891, with discussion of ecology and subsequent changes, with good early photographs.

Munro, G. C.

The rotation and distribution of plants.

Bishop Mus. Spec. Pub. 20: 22-23, 1932.

Briefly discusses a theory of vegetational succession relating to aging of volcanic soils with illustrations from island of Lanai, Hawaii.

My first bird walks in Hawaii.

Elepaio 5: 6-7, 13-15, 1944.

Contains important notes on vegetation observed many years ago by a keen student.

Revisiting the island of Lanai in 1952.

Elepaio 12 (10): 61-64, 1952 a.

Includes information on recent changes in vegetation; mentions the role of invading introduced plants such as *Leucaena*, *Lantana*, etc.

Attempts to save the shoreline and dryland plants of Hawaii.

Elepaio 13 (1): 1-5, 1952 b.

Notes on ecology and conservation of various Hawaiian plants. Useful to follow changes in vegetation.

Na laau Hawaii (plants belonging to Hawaii).

Elepaio 14 (9): 63-65, 1954 a.

Describes progress of an experiment in reestablishing native dry-land vegetation in a "living museum of the xerophytic ... plants of Hawaii" on the slopes of Diamond Head, Oahu. Records results of extreme drought.

Dry-land plants in a dry season.

Elepaio 14: 69-70, 1954 b.

Short note on the effect of an unusual dry spell on experimental plantings of Hawaiian dry-land species on Diamond Head, Oahu.

Murphy, R. C.

The romance of science in Polynesia.

Nat. Geogr. Mag. 48: 355-426, 1925.

Popular account of visits to south Pacific Islands. Includes some mentions of food plants but hardly anything on vegetation. Some of the photos show vegetation of Rapa, Rurutu and some of the Marquesas.

Oceanic birds of South America.

2 vols., N. Y., 1936.

Contains descriptions and photos of Desventuradas (pp. 258-262), Galapagos (pp. 296-303), Cocos (pp. 317-319), Sala y Gomez (pp. 262-263), including vegetation; bibliography. LC: QL689. Al M8.

Murphy, R. E.

Geographic studies in the easternmost Carolines. CIMA Rept. 5; 1-136, 1948 a (unpublished).

Contains photos showing vegetation on Mokil, Pingslap, and Ponape.

Landownership on a Micronesian atoll.

Geogr. Rev. 38: 598-614, 1948 b.

Geographical, only incidentally botanical, but has some excellent photos showing vegetation of Mokil in the Carolines.

"High" and "low" islands in the eastern Carolines. Geogr. Rev. 39 (3): 425-439, 1949.

Describes contrasts in physical aspects, climate, agriculture, life, etc. between the two types of islands (Mokil and Pingslap, atolls, and Kusaie and Ponape, high islands). Listed here because of several good photographs showing vegetation.

The economic geography of a Micronesian atoll. Ann. Assoc. Am. Geogr. 49: 58-83, 1950.

Includes detailed description of native agriculture on Mokil (Caroline Islands), with several good photos of plants and vegetation.

[Nadeand, J.]

On the botany of Tahiti.

Trans. Proc. N.Z. Inst. 8: lxxvi-lxxx, 1874.

See Anon. 1874.

Nakai, T.

The flora of the Bonin Islands.

Bull. Biogeogr. Soc. Japan 1 (3): 249-278, 1930.

Text in Japanese, lists of plants in Roman type. Several photos giving an idea of vegetation.

Naudin, C.

Un coup d'oeil sur la Nouvelle Calédonie.

Fl. Serr. Jard. Eur. 12: 129-133, 1857.

Brief general note with a word on vegetation; information transmitted by Pancher.

Naumann,

Ueber den Vegetationscharakter der Inseln des Neu-Britannischen Archipels und der Insel Bougainville.

Bot. Jahrb. 6: 422-426, 1885.

Brief general description.

Neal, M. C.

South Point, island of Hawaii.

Parad. Pac. 49 (11): 17-18, 30, 1937.

Popular article, with notes on vegetation.

The vegetation of Lake Waiau, Hawaii.

Parad. Pac. 51 (10): 7, 32, 1939.

Account of the plants, mainly microscopic aquatic ones, of the lake in the summit crater of Mauna Kea.

In gardens of Hawaii.

Bishop Mus. Spec. Pub. 49: 1-806, 1948.

Popular flora, with occasional information on vegetation. LC: QK473. H4 N30.

Nevermann, H.

St. Matthias-Gruppe: in, G. Thilenius, Erg.

88ds. Exp. II A 2: 1-250, 1933.

The chapter on geography, pp. 11-34, includes information on topography, geology, climate and vegetation and plants of the group.

Admiralitäts-Inseln: in, G. Thilenius, Erg. 88ds. Exp. II A 3: 1-309, 1934.

The chapter on geography, pp. 18-48, includes information on topography, geology, climate and vegetation and plants. Some of the photos show vegetation.

Nutting, C. C. et al.

Fiji-New Zealand expedition. Narrative and preliminary report of a scientific expedition from the University of Iowa to the South Seas.

Univ. Iowa Studies Nat. Hist. 10: 1-300, 1924.

Includes brief mentions of vegetation of Fiji, and some photographs showing vegetation. Notes on botany by R. B. Wylie, pp. 142-153.

O'Connell, J. F.

Elf Jahre in Australien 1929.

See Hambruch, P. ed.

Ogura, Y.

Searching the mangrove in the South Sea Islands. Nat. Sci. and Mus. 11 (5): 4-12, 1940.

Includes description of mangrove vegetation, and ecological notes. Tr. Takeda.

Ogura, Y.

[Mangrove plants in Eastern Asia].
Bot. and Zool. 16: 145-149, 233-237, 1941.

Information on distribution and biology of mangroves. Enumeration and description of mangrove species. The author's own observations were mostly made in Palau, where the photos were taken. Tr. Takeda.

Ojala, E. M.

Grassland plains soil of Guadalcanal, British Solomon Islands.

N. Z. Jour. Sci. Tech. 29A: 18-21, 1947.

Seems to regard the grassland vegetation as natural, does not mention fires or other human influence until cultivation started in 1944; describes profile and gives chemical analyses, agricultural characteristics, principal grass species.

Okabe, M.

[Investigation on the vegetation of coral reefs of the South Sea Islands, (preliminary report). (The vegetation of the island of Peleliu).]
1-38, 1940. (mimeographed).

Includes information on vegetation, with description of main formations, and list of 213 species of plants found. Tr. Takeda.

[A botanical research of the Marshall Islands].
Sangyō no Nanyō 4 (5): 1-19, 1941 a.

Includes history of botanical exploration, description of the vegetation of Jaluit, and detailed information on economical utilization of indigenous and cultivated plants, with tables summarizing it. Tr. Takeda.

An enumeration of the plants collected in Marshall Islands.

Jour. Jap. For. Soc. 23: 261-272, 1941 b.

Includes brief description of the vegetation of Jaluit, enumerating a number of associations recognized by the author. Tr. Takeda.

Okubo, S.

On the plants of Sulphur Island.

Jour. Coll. Sci. Univ. Tokyo 2: 143-147, 1888.

Includes a word on vegetation: The plain is covered with plants such as Vitex, Cassytha, Ipomoea. The plateau with Scaevola, Pandanus, Morinda. Present volcano (southeast end of island) almost destitute of vegetation. List of 29 plants.

Oldham, C. F.

Ena Island, Tonga group.

Nature 42: 85-86, 1890.

Brief note, including mentions of vegetation.

O'Reilly, P. et al.

Bibliographie de l'Océanie.

Jour. Sec. Océanistes 1: 187-231, 1945; 2: 289-317, 1946; 3: 173-200, 1947; 4: 205-244, 1948; 5: 233-269, 1949; 6: 293-335, 1950; 7: 327-370, 1951; 8: 329-361, 1952.

A bibliography of current items, arranged by subjects and main divisions of the Pacific; includes some items on vegetation, especially on New Caledonia. Collaborators vary, not listed here.

Osborn, F. ed.

The Pacific world.

1-218, N. Y., 1944.

Book tries to depict the geography and natural history of the whole Pacific Islands area. Pp. 94-102, good general chapter on plants and vegetation. LC: DU22.O75.

Palmer, H. S.

Geology of Kaula, Nihoa, Necker, and Gardner Islands, and French Frigates Shoal.

Bishop Mus. Bull. 35: 1-35, 1927.

Includes an occasional word on vegetation. Some of the photos show vegetation.

Geology of Molokini, with notes on the flora by E. L. Caum.

Occ. Pap. Bishop Mus. 9 (1): 1-18, 1930.

Geological survey, with description of topography and notes on the scant vegetation of herbs. Photos.

Pancher, I.

Notes sur la Nouvelle-Calédonie et sur sa flore, tirées de la correspondance de feu M. Pancher.

Ill. Hort. 28: 24-27, 1881.

Includes notes on vegetation. Pancher was director of a plant introduction garden in New Caledonia.

Papy, H. R.

Aperçu sommaire des zones de végétation à Tahiti.
Bull. Soc. Et. Océan. 7 (9): 317-323, 1947.

Brief classification of main vegetation zones in Tahiti.

Aperçu sommaire des étages de végétation à

Tahiti.

Bull. Soc. Hist. Nat. Toulouse 83: 217-222, 1948.

Revised and slightly enlarged edition of Papy, 1947. Simultaneously published in *Travaux du Laboratoire forestier de Toulouse*, 1948.

Papy, H. R.

Comparaison de la végétation des hauts sommets de Tahiti et du plateau Temehani à Raiatea (Océanie française).

Trav. Lab. For. Toulouse V (2), (2): 1-6, 1950.
See next entry.

Sur un problème écologique posé par la végétation des hauts sommets de Tahiti et du plateau Temehani à Raiatea (Océanie française).

Bull. Soc. Et. Océan. 8 (5): 183-191, 1951.

Discussion of ecological conditions which permit the existence of a certain vegetation formation at different altitudes on Tahiti and Raiatea.

Papy, H. R. and Bagnouls, F.

Note relative à l'établissement de cartes topographiques provisoires des îles de la Société et de Makatea (Océanie française).

Bull. Soc. Et. Océan. 8 (4): 119-126, 1950.

Gives information on topographic maps which are being prepared for the Society Islands and Makatea. Eventually these will be used to draw a vegetation map of French Oceania.

Parham, B. E. V.

The naturalized flora of Fiji, with special reference to the grasses, legumes, and weeds.

Proc. 7th Pac. Sci. Cong. 5: 221-253, 1953 a.

Includes information on plant communities in which the naturalized plants appear.

Notes on the alien flora of Fiji or The effect of settlement upon the vegetation of Fiji.

Fiji Soc. Sci. Ind. 2: 76-88, 1953 b.

Includes discussion of role of introduced plants in vegetation.

Parham, W. L.

Observations on pasture improvement.

Agr. Jour. [Fiji] 13: 36-38, 1942.

Note on methods and species used in Fiji for pasture improvement.

Parkinson, R.

Im Bismarck Archipel.

1-154, Leipzig, 1887.

General account, including notes on native life, economy, etc., and incidental mentions of vegetation for Matupi, Duke of York, New Ireland and New Britain. The author lived there for many years. LC: DU550. P2.

Parkinson, R.

Dreissig Jahre in der Südsee.

1-876, Stuttgart, 1907.

Detailed study of native culture and general notes on Bismarck Archipelago and Solomon Is. The geographical descriptions include mentions of vegetation, which is shown in several good photos. LC: DU60. P3.

[-----].]

Squally Island.

D. Kolonialbl. 18: 924-925, 1907 b.

A brief note, (excerpt from Parkinson, 1907 a), including a few words on vegetation.

Paulding, H.

Journal of a cruise of the United States Schooner Dolphin . . .

1-258, N. Y., 1831.

Includes brief mentions of vegetation of various Pacific Islands, especially some atolls. LC: DU21. P32.

Pease, W. H.

On the existence of an atoll near the west coast of America . . .

Proc. Calif. Acad. Sci. 3: 199-201, 1863.

Descriptive note on Clipperton, quoting from various accounts, and including vegetation.

Pendleton, R. C.

The rain shadow effect on the plant formations of Guadalcanal.

Ecol. Monogr. 19: 75-93, 1949.

Describes and presents the author's interpretation of the vegetation of Guadalcanal, Solomon Is., with some geographical data, photographs, bibliography.

Perkins, E. T.

Na motu; or, reef-rovings in the South Seas . . .

1-456, N. Y., 1854.

Narrative of a whaling voyage, with many random observations on vegetation in the Hawaiian and Society Islands, many engravings from drawings by the author, appendices on geography, etc. of Polynesia. LC: DU21. P44.

Pfeil, J. G.

Studien und Beobachtungen am der Südsee.

- 1-322, Brannschweig, 1899.
 Observations in Kerawara (Duke of York) and New Britain, with mentions of trips to New Ireland and Bougainville. Besides a chapter on volcanism, climate and other natural features, there are incidental mentions of vegetation; some of the photos show vegetation. LC: DU550. P5.
- Pickering, C.
 Geographical distribution of animals and plants. [Part II]: {in, U. S. Exploring Exped. 19 (3)}: 1-524, [1876].
 Extensive information on distribution of species of plants, but little on vegetation except casual notes in running account of voyage; 4 maps of world showing certain data on vegetation, but with inadequate explanations. For bibliographic data see Haskell, 1942. L.C. copies have no title page but pencilled notation giving title as in other vols. and saying "From undistributed stock of vol. XIX in sheets" and "[XIX, pt. 2]".
- Pinart, A.
 Exploration de l'Île de Pâques.
 Bull. Soc. Géogr. Paris VI. 16: 193-213, 1878.
 Summary of former expeditions and account of visit in 1877. Mostly concerned with the statues and their makers, but includes some descriptive notes on the island, with occasional words on the meager vegetation.
- Pollock, J. B.
 Fringing and fossil coral reefs of Oahu.
 Bishop Mus. Bull. 55: 1-56, 1928.
 Discusses place of calcareous algae in reef ecology and structure; photographs. See Edmondson, 1928.
- Pope, H. B.
 Nauru and Ocean Island. Their phosphate deposits and workings.
 Jour. Dept. Agr. Vict. 19: 449-460, 1921.
 Geographical and historical account, with only the most incidental mention of vegetation, but with a number of photographs showing vegetation.
- Powell, W.
 Observations on New Britain and neighboring islands, during six years' exploration.
 Proc. R. Geogr. Soc. 3: 84-97, 1881.
 Geographical description, and mentions of vegetation.
- Wanderings in a wild country.
- 1-283, London, 1883.
 Account of exploration in Bismarck Archipelago. Includes descriptions of vegetation of New Britain, Matupi I., Duke of York group and other islands near New Britain. LC: DU550. P8, 1883.
- Prewazek, S. J. von
 Die deutschen Marianen, ihre Natur und Geschichte. 1-125, Leipzig, 1913.
 A monograph written after a visit to the Marianas. Pp. 74-86, chapter entitled "Die Natur der Marianen" includes geological, geographical and climatic data with mentions of vegetation. "Die Flora", pp. 104 et seq., contains notes on vegetation and a list of species recorded from the Marianas by various authors. LC: DU643. P7.
- Purey-Cust, H. E.
 The eruption of Ambrym Island, New Hebrides, south-west Pacific, 1891.
 Geog. Jour. 8: 585-602, 1896.
 Detailed description of eruption of Oct. 1894, with brief mentions of effects on vegetation.
- Ramsay, C. H. and Plumb, C. P.
 Tin Can Island.
 1-320, Plymouth, England, 1938.
 Contains several photos showing vegetation of Niuafoou, Tonga. LC: DU880. R3.
- Rascher, M.
 Eine Reise quer durch die Gazelle-Halbinsel (Neupommern).
 Globus 85: 136-140, 1904.
 Includes some mentions of vegetation encountered.
- [Rascher-M.]
 Baining, Land und Leute.
 D. Kolonialbl. 17: 286-291, 1906.
 Description of the Baining Province in Gazelle Peninsula (New Britain), with notes on vegetation.
- Rechinger, K.
 Ueber eine botanische Forschungsreise nach den Samoa- und Salomons-Inseln.
 Mitt. Naturw. Ver. Steiermark 44: 244-254, 1908 a.
 Narrative of expedition to Samoa and the Salomon Islands, with general notes on the vegetation.
- Samoa.
 Vegetationsbilder 6 (1): t. 1-6, 1908 b.
 Photographs of aspects of vegetation, with notes.

Rechinger, K.

Vegetationsbilder aus dem Neu-Guinea Archipel. Vegetationsbilder 6 (2): t. 7-12, 1908 c.

Photographs of various types of vegetation, with comments, most of them from the Solomon Islands, one from New Britain, one from New Guinea.

Botanische und zoologische Ergebnisse einer wissenschaftlichen Forschungsreise nach den Samoa-Inseln

Denkschr. Akad. Wiss. Wien 85: 175-432, 1910.

Includes, pp. 206-238, description of vegetation formations of Samoa (including plantations and gardens), with a list of phanerogams for each. P. 227, vegetation of Apollima I. Some of the illustrations in the systematic part show vegetation. Distribution of ferns in the formations is described in 84: 401-407, 1909.

Rechinger, L. and Rechinger, K.

Streifzüge in Deutsch-Neu-Guinea und auf den Salomons-Inseln.

1-108, Berlin, 1908.

Includes a chapter on the Solomon Is., with mentions of vegetation encountered in visits to Buka and Bougainville. Photos.

Reed, W.

Climatological data for the tropical islands of the Pacific (Oceania).

Monthly Weather Rev. Suppl. 28: 1-22, 1927.

Gives tables and brief summaries of various meteorological data for Pacific Islands.

Rehder, A.

The Bradley bibliography. A guide to the woody plants of the world published before the beginning of the twentieth century. Compiled at the Arnold Arboretum of Harvard University under the direction of Charles Sprague Sargent.

Pub. Arnold Arb. no. 3, vols. 1-5, 1911-1918.

Arranged by subjects, vol. 5 being an index by author and title. The arrangement and additional material may be found useful. LC: Z5356.T8 M.

Reiche, K.

Grundzüge der Pflanzenverbreitung in Chile: in, Engler, A. and Prade, O., Die Vegetation der Erde, 8: 1-374, Leipzig, 1907.

Includes, pp. 267-270, brief notes on plants and vegetation of Juan-Fernandez, San Ambrosio and San Felix. Smi.: 581.9 V42.

Reiche, K.

Islas oceánicas que pertenecen a Chile: in, Geografía botánica de Chile.

Rev. Chil. Hist. Geogr. 73: 153-157, 1932.

Compiled notes on vegetation of Juan Fernandez, San Felix, San Ambrosio and Salas y Gomez. For Easter, see Looser, 1932.

Reinecke, F.

Samoa.

Jahresb. Schles. Ges. Vaterl. Cult. 73 (2b): 66-80, 1895.

Accounts of plant collecting in Samoa, with notes on economic plants, and description of a collecting trip on Savail, with mentions of vegetation.

Die letzten vulkanischen Bildungen auf den Samoa-Inseln.

Globus 69: 265-267, 1896.

Description of recent volcanic formations in west Savail, with mentions of the vegetation covering them.

Die Flora der Samoa-Inseln.

Bot. Jahrb. 23: 237-246, 1896; 25: 578-708, 1898.

The general description of the islands includes some notes on their aspect, climate, etc., but hardly anything on vegetation.

Deutsch-Samoa.

Beitr. Kol. Politik u. Kol. Wirtschaft. 2: 397-402, 420-439, 461-467, 1900-1901.

Includes notes on climate (part 1), vegetation (part 2) and cultivated plants (part 3).

Samoa.

1-312, Berlin, 1902.

General treatment of German Samoa, with geographical, historical, and ethnographical parts. The first includes notes on topography, climate, and water supply. Vegetation mentioned in topography and description of coasts, and in a special chapter, pp. 295-301, distinguishing mostly coastal, and mountain vegetation. Chapters on plantations, agricultural products, etc. LC: DU913.R36.

Die Vegetation der Samoa-Inseln.

Prometheus 14: 725-729; 743-745, 1903 a.

Includes notes on flora, mentions of climate, and general description of vegetation for Savali and Upolu, with a few photographs.

Reinecke, F.

Die Samoa-Inseln und ihre Vegetation in pflanzen-geographischer Beziehung.

Petermanns Mitt. 49: 241-249, 1903 b.

General notes on topography, vegetation and flora, with discussion of relationships of flora.

Savali.

Petermanns Mitt. 49: 1-7, 1903 c.

General description, with a large map. Includes notes on geography, geology and soils, etc. and mentions of vegetation, especially in the field notes taken during a trip to the interior (Nov. 1, 1894).

Vulcanische Vorgänge auf Savali.

Prometheus 14: 245-251, 1903 d.

Notes on recent volcanic activity in Savali, with occasional mentions of vegetation, and a few photographs.

Richards, A. F. and Walker, L. W.

Operation cremation.

Nat. Hist. 63: 56-64, 1954.

Popular account of formation of new volcanic cone on San Benedicto I. (1952), with several photographs.

Richards, P. W.

The tropical rain forest.

i-xviii, 1-450, Cambridge, 1952.

Really a general treatment of tropical forests, mainly based on continental areas but with occasional references to Pacific island examples. Discusses, at length, environment as well as vegetation. Dynamic viewpoint emphasized. Well illustrated with photographs, diagrams, and maps. A very important work. LC: QK938. F6 R5.

Richardson, F.

Notes on the birds of French Frigate Shoal. Part I: General account of visit of October 1953.

Elepaie 14: 61-63, 1954.

Includes a few notes on vegetation or lack of it.

Richmond, D. B.

Report on Oahu forestry work.

Hawaiian For. Agr. 26: 15-18, 1929.

Discusses ecological factors in Hawaiian forests,

and trees that might be introduced.

Riley, L. A. M.

Notes on the flora of Rapa.

Kew Bull. 1926: 51-56, 1926.

Includes a paragraph on vegetation by Colleenette.

Ripperton, J. C. and Hosaka, E. K.

Vegetation zones of Hawaii.

Hawaii Agr. Exp. St. Bull. 89: 1-60, 1942.

A general arrangement of the vegetation, with vegetation, maps of islands; quite agriculturally biased, with a section on pastures.

Robertson, G.

The discovery of Tahiti.

1-292, London, 1948 (Hakluyt Society II, 98).

Journal of Wallis' voyage in the Dolphin, by the master of the vessel. Contains incidental notes on the vegetation of several of the Tuamotus and Tahiti, important because of their early date. LC: G161. H2, II no. 98.

Robson, R. W.

The Pacific Islands handbook.

1-371, N. Y., 1945 (North American ed.)

General information on the Pacific Islands, including much useful data on geography, and incidental mentions of vegetation, weather and economic plants. Maps. LC: DUL. F143, 1944.

Robyns, W., and Lamb, S. H.

Preliminary ecological survey of the island of Hawaii.

Bull. Jard. Bot. Bruxelles 15: 241-293, 1939.

Description of vegetation, consideration of environmental factors, succession, etc. Photos.

Rock, J. F.

The indigenous trees of the Hawaiian Islands.

1-518, Honolulu, 1913.

A systematic account of the trees, with, pp. 1-87, a comprehensive description of the vegetation of the islands, the most satisfactory treatment of the vegetation yet available; many photographs. LC: QK493. H4 R6.

Vegetation der Hawaii-Inseln.

Bot. Jahrb. 53: 275-311, 1915.

Mostly based on a translation of the general part of Rock, 1913, which see.

Palmyra Island, with a description of its flora.

Col. Hawaii Bull. 4: 1-53, 1916.

History of the island, and detailed description of the main islets, including vegetation. List of flora, including descriptions of some new species. 15 beautiful photographs, illustrating well the aspects of vegetation. Chart. LC: QK473. P3 R6, 1916 a.

Rock, J. F.

Distribution of *Pritchardia* in the Hawaiian Islands: in, Beccari, O. and Rock, J. F.. A monographic study of the genus *Pritchardia*. Bishop Mus. Mem. 8 (1): 12-19, 1921.

Notes on the vegetation of the various islands, discussing especially the occurrence of groves of *Pritchardia*; photographs.

The voyage of the *Luca* to Palmyra Island. Atl. Mo. 144: 360-366, 1929.

Narrative of visit, with excellent popular description of vegetation.

Rollin, L.

Les îles Marquises. 1-334. Paris, 1929.

General information, including chapter on geography, list of economic plants, foods, etc. Hardly any mention of vegetation. A few photos. LC: DU700. R6.

Roosevelt, K.

The mountain party on Indefatigable Island. Bull. N. Y. Zool. Soc. 33: 156-163, 1939.

Includes mentions of vegetation encountered during exploration of interior of island. Photos.

Rossel, E. P. E. de

Voyage de D'Entrecasteaux 1: 1-704, 2: 1-692, Paris, 1808.

Rossel edited D'Entrecasteaux's Journal, and completed the account of the voyage and scientific observations (observations contained in vol. 2). Vol. 1 includes mentions of New Caledonia, the Solomon Is., various islands in the Bismarck group and Tonga. Very little on vegetation. See also Labillardiere, 1800, for a more useful account of the same expedition. LC: G430. L28 E4.

Rothschild, W.

The avifauna of Laysan and the neighbouring islands 1-320, London, 1893-1900, with separate vol. of plates.

Treats whole Hawaiian group and has much general information including notes on the vege-

tation and plates showing vegetation; between pp. 58 and 59 are 21 pp., separately paged, of a resumé of Palmer's diary, with many acute observations on the vegetation of the main Hawaiian Is. LC: QL694. H3 R6, folio.

Rougier, E.

Ile Christmas, South Seas (Océanie). 1-158, Briende, 1914.

Geographic monograph and collection of reports, with much information and many photographs of vegetation. Bish: DU950. C4 R85.

Ile de Christmas.

Bull. Soc. Et. Océan. 1 (1): 25-30, 1917.

Miscellaneous notes, mentioning good water supply in spite of scarcity of rain, and a few plants.

Ile de Christmas.

Océan. Franç. 14: 23-25, 1918.

Reproduced from Rougier, 1917.

L'eau potable dans les atolls.

Bull. Soc. Et. Océan. 1 (6): 29-32, 1922.

Brief notes on fresh well-water on Fanning and Washington atolls. Account of evolution of vegetation on Christmas (almost none at time of Cook's discovery, 1777) and change in water: briny according to reports up to 1902, now fresh water is abundant (depth of wells 3-4 m). A word on climate.

Routledge, S.

Easter Island.

Geogr. Jour. 49: 321-340, 1917.

Concerns mostly the stone images, but includes a word on vegetation, which is shown in some of the photos.

Routledge, Mrs. S.

The mystery of Easter Island.

1-404, London, [1919].

Includes description of the island, with brief mention of vegetation and many photos incidentally showing it. Account of Seccore I., pp. 340-346 includes some mentions of vegetation. LC: F5169. R86.

Royal Society of London

The atoll of Funafuti. Borings into a coral reef and the results.

1-428, London, 1904.

General account of the boring expeditions.
See David and Sweet, 1904. *Smi*: 593. 6 L847.

Rübel, E.

Pflanzengesellschaften der Erde.
1-464, Bern, Berlin, 1930.

Treatment of the vegetation of the earth, classified on a physiognomic basis; more emphasis on temperate than tropical regions, no direct reference to the Pacific islands; vegetation map of earth, very poor for Pacific; important only in giving a tentative outline for major classification of vegetation. LC: QK901. R83, 1930.

Russ, G. W.

A study of natural regeneration in some introduced species of trees.

Hawaiian For. Agr. 26: 117-124, 1929.

Discussion of Hawaiian vegetational successions and the place of certain introduced species in them.

Notes on the distribution of *Neowawraea*.
Bishop Mms. Spec. Pub. 20: 6-7, 1932.

Brief notes on the vegetational changes which have led to the virtual extermination of this Hawaiian tree.

Sachet, M. -H.

Present status of vegetation studies in the Pacific Basin.

Eighth Pac. Sci. Congr. Abstr. 151-153, 1953.

Abstract of paper for symposium, outlining principal literature on vegetation of various parts of Pacific and mentioning several problems in the use of this literature.

The vegetation of Melanesia: a summary of the literature.

Eighth Pac. Sci. Congr. Abstr. 153-156, 1953.

Abstract of paper prepared for symposium, summarizes briefly the available information on vegetation of Melanesia.

Safford, W. E.

Guam and its people.

Am. Anthropol. n. s. 4: 707-729, 1902 (reprinted with revisions in *Ann. Rept. Smiths. Inst. Append.* 1902: 493-508, 1903).

Includes notes on vegetation, climate, cultivated and introduced plants, etc.

Extracts from the note-book of a naturalist on the

island of Guam.

Plant World 5: 161-168, 193-198, 1902; 6: 25-32, 49-54, 73-78, 97-103, 123-130, 147-153, 173-179, 205-211, 232-237, 257-262, 278-284, 1903; 7: 1-8, 25-31, 53-60, 81-87, 113-118, 141-146, 163-169, 190-195, 213-220, 237-245, 261-268, 285-298, 1904.

Includes many important notes on plants and vegetation.

Safford, W. E.

The useful plants of the island of Guam.
Contr. U. S. Nat. Herb. 9: 1-416, 1905.

Comprehensive account of history, exploration, vegetation, ethnobotany, flora, etc.

A year on the island of Guam
1-190, 1910?

Reprinted, without date, from *Plant World*.
(See Safford, 1902-1904). LC: DU647. 84.

St. John, H.

Cyrtandra as an indicator of the former extent of forest on Oahu.

Proc. Hawaiian Acad. Sci. [16]: 13, 1945.

Brief note suggesting that the Schofield-Wahia-wa saddle was formerly well forested.

Report on the flora of Pingelap Atoll, Caroline Islands, Micronesia, and observations on the vocabulary of the native inhabitants: Pacific plant studies 7.

Pac. Sci. 2: 96-113, 1948.

Catalogue of plants collected by St. John in Dec. 1945, with notes. The first part includes brief mention of vegetation; some of the photos show vegetation.

Vegetational provinces of the Pacific--Hawaiian.
Eighth Pac. Sci. Congr. Abstr. 159-160, 1953.

Brief summary of zonation of vegetation in Hawaiian Islands, mainly based on Ripperton and Hosaka, 1942.

St. John, H. and Fosberg, F. R.

Vegetation of Flint Island, central Pacific.
Bishop Mms. Spec. Pub. 30: 21, 1937 a.

Abstract, with a few remarks on change in vegetation and statistics on flora, but no list. See St. John and Fosberg 1937 b.

Vegetation of Flint Island, central Pacific.

Occ. Pap. Bishop Mus. 12 (24): 1-4, 1937 b.

Brief note describing vegetation (mostly reduced to coconut plantation), with a list of plants.

St. John, H. and Hosaka, E. Y.

Noxious weeds of the Hawaiian pineapple fields. Bishop Mus. Spec. Pub. 20: 7, 1932.

Brief abstract of study on Hawaiian weeds, their origins and modes of dispersal.

Sapper, K.

Beiträge zur Landeskunde von Neu-Mecklenburg und seinen Nachbarinseln.

Mitt. deutsch. Schutzgeb. Ergänzungsheft 3: 1-130, 1910 a.

Geographical results of an expedition to the Bismarck Archipelago (1908). Includes chapters on surveys, geology, climate, soils, etc. with incidental information on vegetation. Pp. 71-73, very general chapter on vegetation formations by C. Lauterbach. Several maps, including one of vegetation formations. LC: Q115.M7, supplt.

Buka.

Mitt. deutsch. Schutzgeb. 23: 193-206, 1910 b.

General remarks on the island, especially description of the coasts, from Sapper's own observations, and notes by Friederici and Schön. Includes material on topography, geology, climate and only incidental mentions of vegetation.

Eine Durchquerung von Bougainville.

Mitt. deutsch. Schutzgeb. 23: 206-217, 1910 c.

Account of an expedition into Bougainville. Includes observations on topography, climate, and only incidental mentions of vegetation.

Sarasin, F.

Neu-Caledonien und die Loyalty-Inseln. Reise-Erinnerungen eines Naturforschers.

1-281, Basel, 1917 a.

Translated into French by Jean Roux, who accompanied the author, see next entry. NYPL: B I R.

La Nouvelle-Calédonie et les îles Loyalty.

Souvenirs de voyage d'un naturaliste. Traduit de l'allemand par Jean Roux.

1-296, Paris, 1917 b.

General geographic, ethnographic and natural history account; includes many interesting descriptions of vegetation and mentions of plants.

Very good photographs, many showing vegetation.

LC: QH198. N4 543.

Sarfert, E.

Knaae: in. G. Thilenius, Erg. Söds. Exp. II B 4, 1: 1-298, 1919; 2: 299-540, 1920.

Vol. 1 includes geography, with mentions of vegetation, climate, plants, cultivated plants, etc. Beautiful photos showing vegetation.

Sarfert, E. and Damm, H.

Luangina und Nukumann: in. G. Thilenius, Erg. Söds. Exp. II B 12, 1: 1-244, 1929; 2: 245-506, 1931.

Very brief geographical description with photos showing vegetation. Short lists of plants for both islands.

Sarlin, P.

Les forêts de la Nouvelle-Calédonie.

Bois For. Trop. 12: 393-406, 1949.

Includes notes on climate, soil, etc., and description of main types of forests, with maps and photos.

La forêt et le sol du nord de Santo (Nouvelles Hébrides).

Bois For. Trop. 13: 4-13, 1950.

Includes information on soils and aspect of forest (with map showing distribution of forest in north part of island) in Santo.

Schamsland, H.

Drei Monate auf einer Korallen-Insel (Laysan). 1-104, Bremen, 1899.

Account of a trip to Laysan, with detailed description of the island, mentions of guano, a brief note on plants, most of the book being devoted to bird life. The appendix contains a chapter on plants, their description giving a good idea of the vegetation. LC: DU950. L4 53.

Ein Besuch auf Molekai, der Insel der Amseltigen. Abh. Naturw. Ver. Bremen 16: 513-543, 1900.

Account of a visit, with notes on geology, geography, and occasional mentions of vegetation and plants, e. g. p. 525.

[Scherzer, K.]

Reise der Oesterröichischen Fregatte "Novara" um die Erde in den Jahren 1857, 1858, 1859, unter den Befehlen des Commodore B. von Willerstorff-Urbair. Beschreibender Theil.

3 vols. Wien, 1861.

Written by Scherzer, but not signed. Vol. 2: 1-454, includes pp. 276-289, description of Paynipt or Ponape, with mentions of cultivated plants, and brief notes on vegetation; pp. 434-449, description of Stewart Island (Sikaiana). Vol. 3: 1-436, includes notes on Tahiti, little information on vegetation. LC: Q115. N9.

Scherzer, K.

Narrative of the circumnavigation of the globe by the Austrian frigate Novara

3 vols., London, 1861-1863.

For original edition see [Scherzer, K.], 1861. LC: Q115. N8987 and Q115. N92.

Schimper, A. F. W.

Pflanzen-Geographie auf physiologischer Grundlage.

1-876, Jena, 1898.

See next entry. LC: QK101. 533.

Plant-geography upon a physiological basis.

1-839, Oxford, 1903 (English ed. translated by W. R. Fisher, revised and edited by P. Groom and I. B. Balfour).

Classical work on vegetation of the world, basic to any study. Pacific Islands more meagerly treated than most other parts of the world. LC: QK101. 534.

Pflanzengeographie auf physiologischer Grundlage. 1: 1-588; 2: 589-1612, Jena, 1935 (third edition, edited by F. C. von Faber).

A revised and enlarged edition of Schimper, 1898. Mostly of general interest, but includes information on tropical vegetation, with some examples taken from Pacific Islands, and some photos illustrating them. DA: 463.8Sch3P.

Schlaginhaufen, O.

Orientierungsmärsche an der Ostküste von Süd-Neu-Mecklenburg.

Mitt. deutsch. Schutzgeb. 21: 213-220, 1908.

Account of an expedition along the southeast coast of New Ireland; includes mentions of vegetation. Detailed map of region explored and some photos showing vegetation.

Geographisches und sprachliches von den Feni-Inseln.

Globus 95: 69-71, 1909.

Description of geographic features, and discus-

sion of native names for them. A word on vegetation. Map.

Schlechter, R.

Pflanzengeographische Gliederung der Insel Neu-Caledonien.

Bot. Jahrb. 36: 1-41, 1905.

General notes on soil, climate, botanical exploration and vegetation; description of main vegetation types with emphasis on floristic composition. Author spent several months there in 1902-3.

Schmidt, R. G.

Geology of the vicinity of Mt. Santa Rosa, Guam, Marianas Islands.

1-51, Saipan, 1948.

Typescript draft report, filed in the U. S. Geological Survey and in the Office of the Governor of Guam, unpublished. Contains detailed discussion of geology with study, pp. 6-8, of the relation of vegetation to underlying soil and rock. Concludes that the difference between the vegetation of volcanic soil and limestone, is not due to soil moisture as thought by Stearns, but that "it is likely that a fundamental difference in the mineral composition and chemistry of the soils may play the primary part in establishing the vegetation pattern." See Stearns, 1937.

Schmiele, G.

Die Insel Nisan.

Mitt. deutsch. Schutzgeb. 4: 100-112, 1891.

Observations made in 1890; see also pp. 65-66, for map and editorial notes. Includes information on structure of island, soils and vegetation. Map has some indication of vegetation.

Schnee, [H.]

Bericht der stellvertretenden Gouverneurs Dr.

Schnee über einen Zug in die Bainingherge.

D. Kolonialbl. 11: 209-211, 1900 a.

Account of a trip through the Baining mountains of the Gazelle Peninsula (New Britain), including a word on vegetation and plantations traversed.

Bericht über eine Fahrt nach der Südküste Neu-Pommerns.

Mitt. deutsch. Schutzgeb. 13: 75-85, 1900 b.

Account of a trip in New Britain, with mentions of vegetation encountered. Sketch-map of the region explored.

----- ed.

Deutsches Kolonial-Lexicon.

1: 1-776; 2: 1-698; 3: 1-778, Leipzig, 1920.

Much interesting data, by different specialists under such headings as: Names of islands, mangrove, vegetation, etc. Maps, and some good photos of plants and vegetation. LC: JV2007.D4.

Schnee, [P.]

Die Noddy-Insel im Jaluitatell.

Zool. Gart. 43: 301-302, 1902.

Brief description of a small islet of Jaluit, with mention of vegetation.

Bemerkungen über die Tierwelt der Litoralregion von Jaluit.

Zeitschr. f. Naturw. 75: 373-384, 1903.

Includes description of vegetation at top of beach.

Einiges über Fauna und Flora: in, Schnee, H., Bilder aus der Südsee, 273-298, Berlin, 1904.

Includes some brief general notes on main types of vegetation of the Bismarck Archipelago, mangrove, grassland, etc. A few photos. LC: DU550. S35.

Die verwilderten Haustiere auf Tinian.

Zeitschr. Kol. Politik 11: 350-362, 1911.

Includes brief description of island with valuable notes on vegetation.

Schott, G.

Klimatologie der Südsee-Inseln: in, Köppen, and Geiger, Handbuch der Klimatologie 4 (T): 1-114, 1938.

Comprehensive summary of available climatic data for the island groups of the Pacific including occasional remarks on vegetation. NYPL: PRB.

Schumann, K. M. et al.

Die Flora von Neu-Pommern.

Notizbl. 2: 59-158, 1898.

Enumeration of the plants then known from New Britain and neighboring islands. The introduction includes brief notes on the vegetation of the Galle Peninsula.

Schwabe, K. ed.

Die deutschen Kolonien.

2: 1-164, Berlin, [1909].

Includes two chapters by Krämer on the German Pacific island colonies; general descriptions, illustrated by many colored photos showing vegetation. LC: JV2027. S4.

Schwartz, Q. W. and Schwartz, E. R.

A reconnaissance of the game birds in Hawaii. 1-168, [Honolulu], 1949.

Ecological study emphasizing environment and discussing vegetation and its relation to distribution and management of birds. Many excellent photographs of vegetation. Maps, including one of vegetation zones, after Ripperton and Hosaka, 1942. LC: SK578. H3 S39.

Seemann, B.

Notes on the Sandwich Islands.

Hook. Jour. Bot. Kew Miscel. 4: 335-341, 1852.

Contains notes on vegetation, especially of Oahu, but is mainly on economic plants.

Narrative of the voyage of H. M. S. Herald during the years 1845-51, under the command of Henry Killebrack, R. N., C. B.

1: 1-322; 2: 1-295, London 1853.

Describes visits to Galapagos (vol. 1: 54-62), and Hawaii (vol. 2). Only the briefest mention of vegetation for the former. LC: G429. S4, 1853.

Viti: An account of a government mission to the Viti or Fijian Islands in the years 1800-61.

1-447, Cambridge, London, 1862.

Includes scattered notes on geography and vegetation. Pp. 274-279, notes on climate and soil with brief description of vegetation types. LC: DU690. S45.

Selling, O. H.

The post-glacial vegetation history of the Hawaiian Islands.

Acta Hort. Gotob. 15: 31-34, 1942.

Preliminary report; information from observation of fossil pollens.

Studies in Hawaiian pollen statistics. Part III.

On the late quaternary history of the Hawaiian vegetation.

Bishop Mus. Spec. Pub. 29: 1-154, 1948.

A fundamental paper in interpretation of present as well as past Hawaiian vegetation. In addition to paleoecological interpretations, contains much descriptive information and many excellent photos of present-day vegetation; diagrams, maps, bibliography.

A contribution to the history of the Hawaiian veg-

etation.

Svensk Bot. Tidsk. 45: 12-41, 1951.

Detailed reply to Fagerlind, 1949, on the relation of pollen diagrams (see Sellling, 1948), to the history of Hawaiian vegetation.

Selling, O. H.

Later quaternary history of the Hawaiian vegetation.

Proc. 7th Pac. Sci. Cong. 5: 99, 1953.

Abstract. See Sellling, 1948.

Semper, K.

Die Palau-Inseln im Stillen Ocean.
1-372, Leipzig, 1873.

Account of sojourn in Palau in 1861-62 (?). The author lived at Tabatteldil in Babelthaub, visited other islands such as Kreiangel, Coröre, Malakkk and the southern islands of the group. There are mentions of some plants and some descriptions of vegetation. LC: DU789. S47.

Seafft, A.

Bericht über den Besuch einiger Inselgruppen der West-Karolinen.

Mitt. deutsch. Schutzgeb. 17: 192-197, 1904.

Includes brief notes on food plants and vegetation of several islands, e. g. Fels, Aurepik, etc.

Bericht über seine Rundreise durch die Westkarolinen und Palau-Inseln.

D. Kolonialbl. 17: 281-284, 1906.

Includes brief notes on vegetation of Oleai, Lamotrek, Satawal, Gaferut, Fais, and Ulithi. Gaferut is uninhabited, forest mostly "mangrove," indications of typhoon damage.

Seinstevens, A. T'

Tahiti et sa couronne.

3 vols., Paris, 1950-1951.

Account of travel and life in French Polynesia. The third volume, especially, contains many photos showing vegetation of Society, Marquesas, Austral and Tuamotu Islands. LC: DU870. S4.

Setchell, W. A.

A reconnaissance of the vegetation of Tahiti, with special reference to that of the reefs.

Carnegie Inst. Yearb. 21: 180-187, 1922.

General sketch of results. See Setchell, 1926.

American Samoa. Part I: Vegetation of Tutuila Island.

Carnegie Inst. Pub. 341: 1-188, 1924 a.

Pp. 1-40 include description of physical environment, vegetation formations and main associations, discussion on flora, and notes on reef vegetation. The rest is enumeration of plants.

Setchell, W. A.

American Samoa. Part III. Vegetation of Rese Atoll.

Carnegie Inst. Pub. 341: 225-261, 1924 b.

Pp. 225-246 include description of atoll and its vegetation, including reef vegetation. Enumeration of species, and bibliography.

Phytogeographical notes on Tahiti. I. Land vegetation.

Univ. Calif. Pub. Bot. 12: 241-290, 1926 a.

Contains a description of the island, with its soils, climate, and the major divisions of the vegetation (that of lower elevations based on author's own experience, of higher compiled from other sources), and brief remarks on succession. Bibliography.

Phytogeographical notes on Tahiti. II. Marine vegetation.

Univ. Calif. Pub. Bot. 12: 291-324, 1926 b.

Largely floristic, but contains an extended discussion of the ecology of the algal vegetation of the coral reefs and its relation to reef formation. Bibliography.

Coral reefs as zonal plant formations.

Science 68: 119-121, 1928 a.

Stresses the importance of calcareous algae in the formation of "coral" reefs.

Migration and endemism with reference to Pacific insular floras.

Proc. 3rd Pan-Pac. Sci. Cong. 1: 869-875, 1928 b.

Mainly about origin of floras but with some remarks bearing on the influence of more and more closed vegetation on the establishment of newly arrived migrants.

The coral reef problem in the Pacific.

Proc. 3rd Pan-Pac. Sci. Cong. 1: 323-329, 1928 c.

Discusses reefs as vegetational formations, with ideas on their ecology and the symbiosis involved.

Setchell, W. A., Hoffmeister, J. E. and Ostergaard, J. M.

The Tonga expedition of 1926.
Science II, 64: 440-442, 1926.

The report by Setchell includes notes on vegetation of Tongatabu and Eua.

Seurat, L. G.

Observations sur la structure de l'île Timor (Crescent).

1-8, Papeete, 1903 a.

Geographical and geological account, with treatment of vegetation and flora. Bish.

Observations sur la structure, la faune et la flore de l'île Marutea du Sud (archipel des Tuamotu).

1-18, Papeete, 1903 b.

Includes description of the atoll and its vegetation. Paris Mus.

Observations biologiques sur les cénobites (Canoëta perlata, Edwards).

Bull. Mus. Hist. Nat. Paris 10: 238-242, 1904 a.

The notes on habitat include valuable information on plants and vegetation in Timor and South Marutea.

Observations sur quelques îles orientales de l'archipel Tuamotu.

1-11, Papeete, 1904 b.

Includes brief mention of vegetation of Fakahina, Pukapuka and Fangatau. Paris: Mus.

Flore économique de la Polynésie française.

Bull. Soc. Nat. Acclim. France 52: 310-326, 355-359, 369-376, 1905.

Includes pp. 310-317, some general notes on climate and vegetation on high and low islands of French Polynesia.

Tahiti et les établissements français de l'Océanie.

1-127, PNB, 1906.

Monograph, with notes on climate, geology, vegetation, economic plants, etc. Concerns Society, Tuamotu, Gambier, Marquesas Is. and Rapa. Bibliography. DA: 128 Se 82.

Shepard, F. P., Macdonald, G. A. and Cox, D. C.

The tsunami of April 1, 1946.

Bull. Scripps Inst. 5: 391-528, 1950.

Includes some mention of effect on vegetation

of the Hawaiian Islands.

Sherman, G. D.

The genesis and morphology of Hawaiian ferruginous laterite crusts.

Pac. Sci. 4: 315-322, 1950.

Describes certain laterite soils and points out vegetational features correlated with them; two generalized profile diagrams; bibliography.

[Shinkosha Press]

Nihon chiri taikai.

[4: 1-535, 1939; Supplement 2: 1939].

Includes photos showing vegetation of the Bonin and Micronesian islands. Text in Japanese. LC: Orient. Jap. 291. Y32.

[-----]

Nihon chiri fūzoku taikai.

[1: 1-792, Tokyo, 1937, revised edition].

Includes photographs showing vegetation of Micronesia and the Bonin Islands. Text in Japanese. LC: Orient. Jap. 291. N15.

Shurcliff, S. N.

Jungle islands; the Illyria in the South Seas.

1-298, N. Y., London, 1930.

Narrative of expedition which visited Cocos, Galapagos, Marquesas, Society Is., Fiji, New Hebrides, Solomons, and New Guinea, with only casual information on vegetation, but with many fine photographs. LC: QL5. C76.

Sibley, C. G.

Breeding habits of megapodes on Simbo, central Solomon Islands.

Condor 48: 92-93, 1946.

Contains a few notes on the vegetation of Simbo.

Skogman, C. [J.]

Fregatten Eugénie Resa Omkring Jordan Åren 1851-1853 under Befäl af C. A. Virgin.

2 vols., Stockholm, 1855.

In Swedish; see Anderson 1854, and Skogman, 1856. Sml: 508. 2 E87.

Erdumsegelung der Königl. Schwedischen Fregatte Eugénie

2 vols., Berlin, 1856.

Narrative of expedition, transl. from Skogman, 1855, by A. von Etzel; includes accounts of visits to the Galapagos, Hawaiian Is., some of the Tuamotus, Tahiti and other Society Is., Savage I., some of the Tongan Is., Inui I., Ono Is., Stewart I., Schanks I., Single I., and some of the Caro-

lines, with brief notes on the vegetation of most of them, an engraving of Eimeo (Moorea) showing vegetation, chart of route and maps of island groups; see also Anderson 1854, 1857. Acad. Sci. Phila.: V & T 1007.

Skottsberg, C.

Den svenska Pacific-expeditionen 1916-17.

Ymer 37: 191-196, 336-338, 1917.

Brief general notes with a word on vegetation of Easter and Desventuradas Is.

Notes on a visit to Easter Islands in, The natural history of Juan Fernandez and Easter Island.

1 (1): 1-20, 1920.

Account of visit in 1917, with brief mention of vegetation and photographs incidentally showing it. LC: QH198. A1. 85.

The vegetation of Easter Islands in, The natural history of Juan Fernandez and Easter Island.

2: 487-502, 1928.

Comprehensive treatment, including information on climate, water supply, general aspect of vegetation and description of associations. Several good photographs of vegetation. LC: QH198. A1 85.

The flora of the high Hawaiian volcanoes.

Proc. 5th Int. Bot. Cong. 91-97, 1931.

Mainly floristic-phytogeography, but contains some information on vegetation.

Die Flora der Desventuradas-Inseln (San Felix und San Ambrosio) nach den Sammlungen F. Johow's mit Einfügung seiner hinterlassenen Schriften. Göteborgs K. Vet. o. Vitterh. Samh. Handl. V, 5B (6): 1-88, 1937.

Includes a chapter on exploration, geography and botanical collections; description of Johow's collections, based on Johow's unpublished manuscript, with addition of other information available.

Report on Hawaiian bogs.

Proc. 6th Pac. Sci. Cong. 4: 659-661, 1940 a.

Brief but careful description of the vegetation of the open bogs, and discussion of the relationships of their species.

Skottsberg, C.

Report of the standing committee for the protection of nature in and around the Pacific for the years 1933-38.

Proc. 6th Pac. Sci. Cong. 4: 499-546, 1940 b.

Brief reports (mostly by other authors) answering a questionnaire on various regions of the Pacific, including many island groups, with brief remarks on vegetation. Include Fanning, Christmas, Vestek, Fliar, Henderson, Oeno, Pitcairn, Fiji, Wallis and Futuna, Society, Austral, Rapa, Tuamotu, Mangareva, Hawaii, Marquesas.

En excursion till Hawaii-öarna Sommaren 1938.

Ymer 60: 1-22, 1940 c.

An account, in Swedish, of the vegetation of the Hawaiian bogs, resulting from the Bog Survey of 1938, with photographs.

Plant succession on recent lava flows in the island of Hawaii.

Göteborgs K. Vet. o. Vitterh. Samh. Handl. VI, B, 1 (8): 1-32, 1941.

Description of vegetation on lava flows of various ages, with map of flows, and photos showing vegetation invading them.

The Juan Fernandez and Desventuradas Islands: in, Verdorn, Plants and plant science in Latin America, 150-153, Waltham, Mass., 1945.

General notes on flora and vegetation with brief description of islands. LC: QK205. V4.

Vegetation of the Hawaiian Islands.

Proc. 7th Pac. Sci. Cong. 5: 92, 1953 a.

Abstract.

The vegetation of the Juan Fernandez and Desventuradas islands.

Eighth Pac. Sci. Congr. Abstr. Suppl. 34-39, 1953 b.

Brief summary of vegetation.

Slevin, J. R.

Log of the schooner "Academy" on a voyage of scientific research to the Galapagos Islands 1905-1906.

Calif. Acad. Sci. Occ. Pap. 17: 1-102, 1931.

Includes scattered descriptions of vegetation of the Galapagos Islands, with photos showing vege-

tation. One photo, and some mentions of Cocos Island. P. 21, says that Clipperton has no vegetation except one coconut tree.

Smith, A. C.

Plant collecting in Fiji.

Jour. N. Y. Bot. Gard. 35: 261-280, 1934.

Includes descriptions of vegetation in Kandavu, Vanna-Levu, Taveuni, Koro and islands of the Lau group. Several photos show vegetation.

Botanical exploration of the Fiji Islands.

Trop. Woods 41: 1-5, 1935 a.

Brief account of a visit to Fiji, with short description of the aspects of vegetation on Mt. Ndiheva (Vanna Levu).

Plant collecting in Fiji.

Proc. Linn. Soc. 148: 5-7, 1935 b.

Brief notes on botanical exploration and vegetation.

Reminiscences of fern collecting in Fiji.

Am. Fern Jour. 34: 1-16, 1944.

Includes notes on rain-forest in Vanna-Levu.

The vegetation and flora of Fiji.

Sci. Mo. 73 (1): 3-15, 1951.

Includes general account of vegetation, with photos.

Snodgrass, R. E. and Heller, E.

The birds of Clipperton and Cocos Islands.

Proc. Washington Acad. Sci. 4: 501-520, 1902.

Islands visited in 1899. Includes, pp. 501-505, detailed description of geography of both islands, mentions of climate, and brief notations on vegetation.

Sollas, W. J.

Funafuti: The study of a coral atoll.

Nat. Sci. 14: 17-37, 1899 a.

Contains notes on vegetation, and photographs.

Funafuti: the story of a coral atoll.

Ann. Smiths. Inst. 1898: 389-406, 1899 b.

Reprinted from Sollas, 1899 a.

Somerville, B. T.

Account of a visit to Niuafo'u, South Pacific.

Geogr. Jour. 7: 65-71, 1896.

Detailed description, with occasional, brief mentions of vegetation. Visit in 1896. See also Trotter, 1896.

Somerville, B. T.

The chart-makers.

1-302, London, 1928.

Account of hydrographic surveys in the Pacific especially around the New Hebrides. Includes a few words on their vegetation. LC: DU700.56.

Speiser, F.

Two years with the natives in the western Pacific. 1-291, London, 1919.

Narrative of the author's sojourn in the New Hebrides. There are incidental mentions of vegetation, which is illustrated in several photos. LC: DU700.873.

Spoehr, A.

Majuro, a village in the Marshall Islands.

Fieldiana: Anthropology 30: 1-266, 1949.

Study of an atoll culture. Includes mentions of climate, vegetation and food plants. Some of the photos show vegetation. Separate LC: DU710.56.

Spry, W. J. J.

The cruise of H. M. S. Challenger.

1-368, N. Y., 1877.

Running account of the Challenger expedition by a naval man. Almost devoid of any scientific interest. Superficial notes on vegetation scattered through it concerning many islands, mostly unimportant. Map of route. LC: G420. C4 37.

Stachelin, L.

Bergfahrten auf Moorea in Polynesien.

Alpen 11: 121-124, 1935.

Hardly any mention of vegetation, but some good photographs of the island.

Stanley, G. A.

Report on the geological reconnaissance of Rennell Island

Gt. Brit. Ann. Col. Rept. 1421: 13-26, 1929.

Appendix A of general report for 1927; includes a brief paragraph on vegetation and description of physiography and geology.

Stearns, H. T.

Geology and water resources of the Island of Guam, Marianas Islands.

1-94 [Honolulu?], 1937.

Unpublished report in U. S. Geological Survey files, photostat in file of Governor of Guam. Discussing geology in some detail, with, on pp. 35-36, a short discussion of the vegetation in relation to the type of rock. Author points out the occurrence of forest on limestone, and sword-gram on volcanic rocks, except for forest in wet valley bottoms, and considers "soil moisture relationship" as the important factor. Sword-gram is useful in mapping, but several places were noted where it grew on limestone. Forest was probably once much more prevalent than it is now, and burning is probably responsible for its disappearance.

Stearns, H. T.

Geologic map and guide of the island of Oahu, Hawaii.

Bull. T. H. Div. Hydr. 2: 1-75, 1939.

Geologic but with good photos showing vegetation.

Geology and ground-water resources of Lanai and Kahoolawe, Hawaii.

Bull. T. H. Div. Hydr. 6: 1-177, 1940.

Brief sketches of vegetation and its history, and good photos showing it.

Geology of the Wallis Islands.

Bull. Geol. Sec. Am. 56: 849-860, 1945.

No mention of vegetation, but maps and photos give a little information on these little-known islands.

Geology of the Hawaiian Islands.

Bull. T. H. Div. Hydr. 8: 1-106, 1946.

General, with information necessary to understanding of Hawaiian vegetation; many photos showing vegetation.

Stearns, H. T. and Macdonald, G. A.

Geology and ground-water resources of the island of Maui, Hawaii.

Bull. T. H. Div. Hydr. 7: 1-344, 1942.

Contains many excellent photos showing vegetation.

Geology and ground-water resources of the island of Hawaii.

Bull. T. H. Div. Hydr. 9: 1-363, 1946.

Contains a brief statement on vegetation and

many excellent photos showing vegetation.

Stearns, H. T. and Macdonald, G. A.

Geology and ground-water resources of the island of Molokai, Hawaii.

Bull. T. H. Div. Hydr. 11: 1-113, 1947.

Contains a simple vegetation map and several photos showing vegetation.

Stearns, H. T. and Vaksvik, K. N.

Geology and ground-water resources of the island of Oahu, Hawaii.

Bull. T. H. Div. Hydr. 1: 1-479, 1935.

Includes much information on topography and water supply, with many photos illustrating vegetation.

Stearns, N. D.

An island is born.

1-115, Honolulu, 1935.

Includes many good photos of Oahu, showing vegetation. LC: DU629. O3 88.

Steinbach, E.

Die Marshall-Inseln und ihre Bewohner.

Verh. Ges. Erdk. Berlin 22: 449-488, 1895.

General notes on geography, climate, etc. Some notes on vegetation and flora, mostly cultivated plants.

Stewart, A.

A botanical survey of the Galapagos Islands.

Proc. Calif. Acad. Sci. IV, 1: 7-288, 1911.

A catalog of the flora, but includes sections on "Botanical regions", pp. 206-211, general description of vegetation, and "Ecological factors", pp. 219-233, soil, climate, etc. Bibliography. Some of the photos show vegetation.

Notes on the botany of Cocos Island.

Proc. Calif. Acad. Sci. IV, 1: 375-404, 1912 a.

Account of author's visit to the island in 1905.

Descriptions of vegetation, list of plants. Several photos show vegetation.

Notes on the lichens of the Galapagos Islands.

Proc. Calif. Acad. Sci. IV, 1: 431-446, 1912 b.

Includes notes on role of lichens in vegetation.

Some observations concerning the botanical conditions on the Galapagos Islands.

Trans. Wisc. Acad. Sci. 18: 272-340, 1915.

Detailed description of the vegetation of individual islands.

Stewart, C. S.

A visit to the South Seas, in the U. S. Ship Vincennes during the years 1829 and 1830. 2 vols., N. Y., 1831.

Includes brief, unimportant mentions of vegetation of Marquesas, Society and Hawaiian Islands. LC: G477. S84.

Stone, E. L., Jr.

The soils of Arne Atoll, Marshall Islands.

Atoll Res. Bull. 5: 1-56, 1951 a.

Includes considerable information on vegetation.

The agriculture of Arne Atoll, Marshall Islands. Atoll Res. Bull. 6: 6-46, 1951 b.

Includes incidental information on the vegetation.

Studer, T.

Die Tongainseln.

D. Geogr. Bl. 1: 18-31, 1877 a.

General observations made during the "Gazelle" expedition. Includes very brief mentions of vegetation.

Ein Besuch auf den Papuainseln.

D. Geogr. Bl. 1: 182-200, 1877 b.

Includes brief description of vegetation encountered on a trip in New Hanover (in company with Naumann), and mentions of vegetation on New Ireland.

Svenson, H. K.

Report on a botanical exploration trip to the Galapagos Islands.

Brookl. Bot. Gard. Rec. 19: 269-284, 1930 a.

A botanical account of the Astor Expedition with descriptions and photographs of vegetation.

The vegetation of Indefatigable Island.

Bull. N. Y. Zool. Soc. 33: 163-170, 1930 b.

Description of vegetation, with good photos. Some comparison with other Galapagos Is.

Plants of the Astor Expedition 1930 (Galapagos and Cocos Islands).

Am. Jour. Bot. 22: 208-277, 1935.

Catalogue of flora, with, pp. 209-220, notes on phytogeography and descriptions of vegetation of the Galapagos. On pp. 275-277, some photos showing vegetation.

Svenson, H. K.

A brief review of the Galapagos flora: in Verdoorn, *Flora and plant science in Latin America*, 149-150, Waltham, Mass., 1945.

Includes brief mention of vegetation zones. LC: QK205. V4.

Vegetation of the coast of Ecuador and Peru and its relation to the Galapagos Islands. I. Geographical relations of the flora.

Am. Jour. Bot. 33: 304-426, 1946.

Contains some information on the vegetation of the Galapagos.

Vegetation provinces of the Pacific Basin. Galapagan.

Eighth Pac. Sci. Congr. Abstr. 167-168, 1953.

Brief summary of vegetation of the Galapagos.

Swanson, F. A.

Geology and ground-water resources of Iwo Jima. Bull. Geol. Soc. Am. 59: 995-1008, 1948.

The chapter on geography and topography includes brief mentions of vegetation. Map.

Tanakadate, H.

Evolution of a new volcanic islet near Iwo-jima. Proc. Imp. Acad. (Tokyo) 11: 152-154, 1935.

Description of a submarine volcanic eruption near Iwo-jima, resulting in the formation of a new islet; mentions, p. 153, effect of smoke and ash on plants of Iwo.

Tayama, R.

Topography, geology and coral reefs of the Palau group.

[Contr. Inst. Geol. and Pal. Tohoku Univ.] 18: 1-67, 1935.

The topographical descriptions of individual islands include brief mentions of vegetation. Maps and charts. Some of the sketches and photographs show vegetation.

Coral reefs in the South Seas.

Hydrogr. Bull. 11: 1-202, appendix I, views: 1-333, appendix II, figures: 1-18 plus table, 1952.

Mainly geological, but contains incidental in-

formation on vegetation, especially marine and mangrove vegetation, and many photographs showing vegetation of many islands, both high and low. In Japanese but with extensive English summary, pp. 183-286.

Tayama, R., Yamamoto, S. and Tsuyama, T.
Investigation of ground water on Angaur Island,
Palau
1-59, Tokyo, 1951.

Report on an investigation of the effects of phosphate mining on resources of the island; the botanical part (by Tsuyama) includes a chapter describing vegetation and agriculture (with maps of vegetation and cultivated land), and a list of plants with botanical, Japanese and native names. (Tsuyama is alternative spelling for Tuyama).
GS.

Taylor, P. G.
Forgotten island.
1-345, London, 1948.

Account of an exploring flight over the south Pacific, including a long stay on Clipperton; some popular notes describing this island and its vegetation, and photos illustrating it; also some rather poorly reproduced photos of Bora-Bora, Tahiti and atolls in the Tuamotus. LC: TL721. T35 A3.

Taylor, W. R.
Plants of Bikini and other northern Marshall Islands.
1-227, Ann Arbor, 1950.
Contains detailed descriptions of terrestrial and marine vegetation of Bikini, Eniwetok, Rongerik, and Rongelap atolls. Many excellent plates showing vegetation. LC: QK473. M36 T39.

Tennent, G. J.
Displaying New Guinea to the Philippines.
1-256, Sydney, 1945.
A volume of war photos, including many showing vegetation of Melanesia, Polynesia, and Micronesia.

Tenney, E. D.
Oahu water resources.
Hawaiian For. Agr. 6: 130-132, 1909.
Contains some remarks on the deforestation of Kahoolawe, and conclusions on resulting change of climate.

Thilenius, G.
Ethnographische Ergebnisse aus Melanesien. II
Die westlichen Inseln des Bismarck-Archipel.

Abhandl. Leop.-Carol. Akad. Naturf. 80: 103-365, 1903.

Includes Admiralty Islands, and islands west of them such as Hermit, Kaniet, Ninigo and other small atolls and islands. The introduction includes some material on their vegetation.

Thilenius, G. ed.
Ergebnisse der Südeee Expedition, 1908-1910.
Hamburg, 1914-1938.

I Thilenius, G. and Hellwig, F. E.:
Allgemeines, Hamburg, 1927

II A. Melanesia.

2. Nevermann, H.: St. Mathias-Gruppe, 1933.
3. Nevermann, H.: Admiralitäts-Inseln; 1934.

II B. Micronesia.

1. Hambruch, P.: Nauru 1: 1914; 2: 1915
2. Müller, W.: Yap 1: 1917; 2: 1918
3. Krämer, A.: Palau 1: 1917; 2: 1919; 3: 1926; 4: 1929; 5: 1929.
4. Sarfert, E.: Kusais 1: 1919; 2: 1920
5. Krämer, A.: Truk 1932
6. Krämer, A.: Inseln um Truk 1: 1935
7. Damm, H. et al.: Inseln um Truk 2: 1935
7. Hambruch, P.: Ponape 1: 1932; 2: 1936; 3: 1936
8. Eilers, A.: Inseln um Ponape 1934
9. Eilers, A.: Westkarolinen 1: 1935; 2: 1936
10. Krämer, A.: Zentralkarolinen 1: 1937
Damm, H. et al.: Zentralkarolinen 2: 1938
11. Krämer and Nevermann: Ralik-Ratak 1938
12. Sarfert, E. and Damm, H.: Luangius und Nukumann 1: 1929; 2: 1931

For complete references and notes, see under each author. Vol. 1 of Part II A concerns New Guinea.

This enormous ethnological work includes much useful data on vegetation and plants, in the geographical, and economics chapters. Much of the botanical information is not original (sources usually cited), and quite a few determinations are inaccurate. Most volumes are beautifully illustrated, some of the photographs of vegetation are valuable. But on the whole, the space and attention devoted to environment and botanical information are relatively little. CY: Nkd 91/913 h.

Thilenius, G. and Hellwig, F. E.
Allgemeines: in, G. Thilenius, Erg. Süde. Exp. I: 1-489, 1927.

- Log of the important German Expedition, with much valuable information, especially on geography, with mentions of vegetation, climate, plants. Photographs showing vegetation.
- Thomson, B.**
Narrative of an exploring expedition to the eastern part of New Guinea.
Scott. Geogr. Mag. 5: 513-527, 1889 a.
Notes on Louisiade and d'Entrecasteaux Islands. Includes geographical descriptions with brief mentions of vegetation.
-
- New Guinea: Narrative of an exploring expedition to the Louisiade and d'Entrecasteaux Islands. Proc. R. Geogr. Soc. 11 (9): 525-542, 1889 b.
Includes some mentions of vegetation, and a map.
- Thomson, J. A.**
The geology of Western Samoa.
N. Z. Jour. Sci. Techn. 4: 49-66, 1921.
Principally a history of volcanic activity, historic and prehistoric, with very little actual data on vegetation, though of great importance in understanding the vegetation.
- Thomson, J. P.**
The island of Kadavu.
Scott. Geogr. Mag. 5: 638-652, 1889.
Detailed geographical study, with descriptions of vegetation. Paragraphs on soils, climate and flora (economic plants only). The author spent "many months" there, in 1884.
-
- British New Guinea.
1-356, London, 1892.
Includes chapters on Louisiade and d'Entrecasteaux groups, describing Sir William MacGregor's explorations. Notes on geography, brief mentions of vegetation. LC: DU740. T48.
- Thomson, W. J.**
Te pito te henua, or Easter Island.
Ann. Rept. U. S. Nat. Mus. 1889: 447-552, 1891.
Includes some information on plants and vegetation, with a summary of earlier accounts.
- Tizard, T. H., Moseley, H. N., Buchanan, J. Y. and Murray, J.**
Narrative of the cruise of H. M. S. Challenger
Challenger Reports, Narr. 1: 1-1110, 1885.
Includes observations on the vegetation of the
- Tonga, Fiji, New Hebrides, Admiralty, Sandwich, Society, and Juan Fernandez islands, photographs and drawings, map.
- Townsend, C. H.**
Scientific results of explorations by the U. S. Fish Commission steamer Albatross. no. XIV. - Birds from the coasts of western North America and adjacent islands, collected in 1888-'89
Proc. U. S. Nat. Mus. 13: 132-142, 1890.
Includes, pp. 131-132, brief description of Revillagigedo Islands and their vegetation.
- Toyoshima, H.**
On the vegetation and the useful tropical plants in the Ogasawara [Bonin] Islands.
Bull. Imp. For. Exp. Sta. Tokyo 36: 1-251, 1938.
In Japanese, lists of species, in Roman type. The brief English summary, pp. 250-251, concerns only the characteristics of the flora. Many good photos of vegetation.
- Tracey, J. I., Jr., Ladd, H. S. and Hoffmeister, J. E.**
Reefs of Bikini, Marshall Islands.
Bull. Geol. Soc. Am. 59: 861-878, 1948.
Geological, but contains much information on marine algal vegetation.
- Trelease, W.**
Plants collected in Caroline Island by Dr. Dixon.
Mem. Nat. Acad. Sci. Wash. 2: 88-90, 1884.
See Holden, E. S., 1884.
- Tresilian, F. H.**
Remarks on Christmas Island.
Hawaiian Spectator 1: 241-247, 1838.
Geographical data supplementary to Benson, 1838, containing information on vegetation, partly copied from Cook, but largely original, based on author's observations while a castaway on island for seven months.
- Trotter, C.**
The island of Niuafoou.
Geogr. Jour. 7: 210-211, 1896.
Brief note, describing the effect of the volcanic eruption of 1896. See also Somerville, 1896.
- Tsuyama, T.**
See Tuyama, T.
- Tucker, E. M.**
Catalogue of the Library of the Arnold Arboretum of Harvard University, compiled under the direction of Charles Sprague Sargent.
Pub. Arnold Arb. no. 6, 1: 1-782, 1914; 2: 1-542.

1917; 3: 1-346. Cambridge, 1933.

Arranged by authors and names of periodicals, and by subjects. Will be found especially useful to locate important old or rare books and publications. LC: Z5356. T8 H2.

Turner, G. A.

Samoa.

Scott. Geogr. Mag. 5: 235-256, 1889.

General notes, including geography, climate, economic plants. Very brief mentions of vegetation.

Tuyama, T.

On Rumphius' "Arbor ovigera" and the related species, with reference to *Hernandia sonora*. *Bulletin. Shigenkagaku Kenkyūsho* 1: 27-44, 1943.

Critical notes in Japanese with English summary. *Hernandia labyrinthica* sp. nov. is described from Rota on p. 42. The discussion of habitats includes mention of vegetation. Tr.

On the phytogeographical status of the Bonin and Volcano Islands.

Proc. 7th Pac. Sci. Cong. 5: 208-212, 1953.

Summarizes botanical knowledge of these two groups, discussing briefly their vegetation and its history.

Tyerman, D. and Bennet, G. (Montgomery, J. ed.)

Journal of voyages and travels... in the South Sea Islands...

2 vols., London, 1831.

Narrative of voyage to visit missions; includes many observations on natural history, with occasional descriptions of vegetation. Unimportant except that early accounts of certain places may be significant. LC: BV3705. T8 A3, 1831.

U. S. Commercial Company

Economic Survey of Micronesia.

Honolulu, 1946-1947.

A series of reports, some of which are cited in this bibliography by authors. Microfilm of the series in several libraries, including LC: Microfilm HC-2.

U. S. Geological Survey

Certain western Carolines. Terrain intelligence. *Strat. Eng. Study* 111: 1-33, 1944 a.

Fully illustrated discussion of terrain, climate and vegetation from military viewpoint, with maps. Includes those atolls west of Truk, excluding those southwest of Palau.

U. S. Geological Survey

Kusaie (Ualan) Island, Carolines. Terrain intelligence.

Strat. Eng. Study 108: 1-28, 1944 b.

Fully illustrated discussion of terrain, climate and vegetation, from military viewpoint, with maps.

Marianas (except Guam). Terrain intelligence. *Strat. Eng. Study* 113: 1-47, 1944 c.

Fully illustrated discussion of terrain, climate and vegetation from a military viewpoint, with maps.

Nomoi, Nukuoro and Kapingamarangi Islands (Carolines). Terrain intelligence.

Strat. Eng. Study 107: 1-21, 1944 d.

Fully illustrated discussion of terrain, climate and vegetation of these atolls from a military viewpoint, with maps.

Palau Islands (Carolines). Terrain intelligence. *Strat. Eng. Study* 110: 1-35, 1944 e.

Fully illustrated discussion of terrain, climate and vegetation from a military viewpoint, with maps.

Ponape including Pakin and Ant Islands (Carolines). Terrain intelligence.

Strat. Eng. Study 109: 1-63, 1944 f.

Well illustrated discussion of topography, vegetation and climate.

Truk Islands (Carolines). Terrain intelligence. *Strat. Eng. Study* 104: 1-63, 1944 g (rev. ed.)

Fully illustrated discussion of terrain, climate and vegetation from military viewpoint, with maps.

Yap Islands (Carolines). Terrain intelligence. *Strat. Eng. Study* 112: 1-26, 1944 h.

Fully illustrated discussion of terrain, climate and vegetation from a military viewpoint, with maps.

Photo interpretation of vegetation in the tropical Pacific area and its use as an indicator of kind of ground.

Engineering notes no. 20: 1-115, Washington, 1944 i.

(published by Military Intelligence, Division Office, Chief of Engineers, U. S. Army).

Treats the main vegetation types both natural and planted, of the tropical Pacific without reference to locality; profusely illustrated with cuts and actual photos, some of them stereo-pairs.

U. S. Hydrographic Office

Sailing directions [exact titles vary].

60 vols., Washington, various dates.

Hydrographic Office Publications, numbered, numbers identical in different editions. Give brief geographic descriptions of practically all islands, often including remarks on vegetation. Nos. 84, 123A, 165A, 165B, 166, and 174 pertinent here. Similar series issued by English, French, and Dutch hydrographic offices, all four utilizing data exchanged with others.

Gazetteer [of the Pacific Islands], ed 2. Nos. 1, 2, 4, 6, 7, Washington, 1943-1944 (H. O. pub. nos. 881, 882, 884, 886, 887).

Give place names and latitude and longitude, with some synonymy, for the various island groups and regions of the Pacific, with general maps of areas covered. LC: G193. U55.

Sailing directions. The Pacific Islands. 3 vols., Washington, 1952 (H. O. Pub. Nos. 165A, 165B, 166).

Give brief geographical descriptions of islands often including remarks on vegetation, principally useful in determining exact location and general character of islands. LC: VK915. U7, 1952.

[U. S.] National Park Service

Hawaii National Park.

At least 14 vols., Honolulu, 1923-1926, Washington 1928-1939.

A brochure describing the park, apparently re-issued annually but not numbered; most issues contain natural history notes, all have excellent photographs showing vegetation and volcanic phenomena. LC: SB484. H3 A32.

U. S. Navy

Civil affairs guide. Agriculture in the Japanese Mandated Islands.

1-47, Washington, 1944 (OPNAV 13-17).

Summary of agricultural conditions, soils, economic plants, etc., with excellent air photos showing vegetation. LC: S471.M35 U5, 1944.

U. S. Navy

Pacific landforms and vegetation.

Photographic Intelligence Center Report, OPNAV 16 VP 107: 1.01-10.09, Washington, 1945.

Album of aerial photographs, some of them stereo-pairs, with notes, illustrating types of landforms and vegetation found in the Pacific; includes photos from Micronesia, Solomon Is., New Hebrides, New Britain and Bonin Is.

Handbook on the Trust Territory of the Pacific Islands.

1-311, Washington, 1948.

Comprehensive survey including information on plant life and vegetation (from Hosaka 1946, and Fosberg 1946 [1947]). LC: DU500. S8.

Vancouver, G.

A voyage of discovery to the north Pacific Ocean and round the world

3 vols., London, 1798.

Vancouver went to the Hawaiian Is. several times, and visited also Tahiti and Cocos I. He discovered Rapa and gave a useful general description of it, vol. 1: 73-78. Some brief scattered mentions of vegetation of Hawaiian Is., Tahiti and Cocos. Edited by John Vancouver. LC: G420. V22.

Vanderbilt, W. K.

Taking one's own ship around the world.

1-264, N. Y., 1929.

Includes unimportant mentions of vegetation of Jaluit, Kusaie, Ponape, and Truk, with some good photographs showing vegetation. Chart of voyage. LC: G440. V2.

West made east with loss of a day.

1-379, N. Y., 1933.

Account of author's voyage around the world, with map of route, non-scientific, but with many good photographs, some showing vegetation of various islands. LC: G440. V22.

Van Zwaluwenburg, R. H.

Canton Island.

Hawaiian Pl. Rec. 45: 15-24, 1941.

Description of the island, with mentions of vegetation, and list of plants. Illustrations show vegetation.

Notes on the temporary establishment of insect and plant species on Canton Island.

- Hawaiian Pl. Rec. 46: 49-52, 1942.
Includes mentions of climate and vegetation.
- Vaupel, F.
Die Vegetation der Samoa-Inseln.
Bot. Jahrb. 44, Beibl. 102: 47-58, 1910.
Includes discussion of flora, and description of main vegetation formations, with some good photographs.
- Veitch, J. G.
Extracts from the journal of Mr. J. G. Veitch during a trip to the Australian Colonies and the South Sea Islands.
Gard. Chron. 1866: 172, 195, 220, 243, 267, 291, 1866.
Includes mentions of vegetation and economic plants of Samoa, Tonga, Fiji, New Hebrides, Bank's Is., Santa Cruz, New Caledonia.
- Viala, M.
Les îles Wallis et Horn.
Bull. Soc. Neuch. Géogr. 28: 209-283, 1919.
A monograph, with geographical description and a word on vegetation. Brief mentions of economic plants, paragraph on climate. Map of Uvea.
- Vieillard, E. and Deplanché, E.
Essais sur la Nouvelle-Calédonie.
1-150, Paris, 1863.
Monograph, including description of physical environment, and chapter on plants, mostly economic ones. Very little on vegetation. LC: DU720. V65.
- Viguer, R.
La végétation de Tahiti.
Archiv. Bot. Viguer 4: Bull. 85-92, 1930.
Notes on vegetation and flora, mostly a review of Sutchell 1926, and other works on the subject.
- Virgin, C. A.
See Skogman, 1866.
- Virost, R.
Esquisse phytogéographique néo-calédonienne.
Et. Melan. (2) 3: 25-29, 1939.
Account of botanical collections in New Caledonia. Description of main vegetation types.
- Volkens, G.
Einige Ergebnisse einer Reise nach den Karolinen und Marianen.
Verhandl. des XIII d. Geographentages Breslau, 167-179, Berlin, 1901 a.
Includes notes on geology, geography, climate and vegetation.
- Skizzen von einer Reise nach den Karolinen und Marianen.
Gartenfl. 50: 453-463, 1901 b.
Popular account of his trip to Micronesia; on pp. 459-462, description of Marshalls, Carolines and Marianas, with brief mentions of plants and vegetation.
- Ueber die Karolinen-Insel Yap.
Verh. Ges. Erdk. Berlin 28: 62-76, 1901 c.
Notes on geography, climate, native life, zoology, etc. The notes on vegetation and flora are abridged from Volkens 1901 d.
- Vegetation der Karolinen mit besonderer Berücksichtigung der von Yap.
Bot. Jahrb. 31: 412-477, 1901 d.
Important paper, with description of vegetation of islands visited. Largely devoted to Yap, with main types of vegetation studied in detail. Enumeration of flora.
- [-----]
[Vegetation der Marianen im Stillen Ozean].
Allgem. Bot. Zeitschr. 10: 61, 1904.
Account by W. Lackowitz of Volkens' brief talk on the subject at a botanical meeting. Oversimplified, slightly inaccurate or at least obscure in places. Main vegetation types briefly described.
- Wagner, W. H., Jr.
Ferns on Pacific island coconut trees.
Am. Fern Jour. 35: 74-76, 1945.
Notes on species growing on coconut boles, with examples cited from Guam and the Admiralty Islands.
- Ferns naturalized in Hawaii.
Occ. Pap. Bishop Mus. 20: 95-121, 1950.
Incidentally discusses vegetation and the places occupied in it by introduced pteridophytes.
- The fern genus *Diellia*
- Associations végétales de la Nouvelle-Calédonie et leur protection.
Jour. Soc. Océanistes 7 (7): 263-269, 1951.
Includes description of vegetation formations.

- Univ. Calif. Pub. Bot. 26: 1-212, 1952.
Morphological and systematic, but contains, pp. 9-18, information on the vegetation in the habitat of *Diellia* in the Hawaiian Islands, also some good photographs showing the vegetation.
- Wagner, W. H., Jr. and Grether, D. F.
Pteridophytes of Guam.
Occ. Pap. Bishop Mus. 19: 25-99, 1948 a.
Includes a few mentions of vegetation as habitat for ferns.
-
- The Pteridophytes of the Admiralty Islands.
Univ. Calif. Pub. Bot. 23: 17-110, 1948 b.
Includes, pp. 18-20, brief notes on the group, and general description of main characteristics of vegetation.
- Waldegrave, W.
Extracts from a private journal kept on board H. M. S. *Seringapatam* in the Pacific, 1830.
Jour. R. Geogr. Soc. London 3: 168-196, 1833.
Mentions visits to the Marquesas, Tahiti, Raiatea and Tonga, with notes on economic plants and vegetation of Tonga and Vavau.
- Walker, F. S.
The forests of the British Solomon Islands Protectorate.
1-186, London, 1948.
Excellent description of vegetation, with lists of species with native names, descriptions of principal tree species and their timbers; many maps. AA.
- Walker, R.
A visit to the volcano twenty-four years ago.
Parad. Pac. 25 (6): 19-22, 1912.
A popular account, with some information on vegetation of Hawaii and several good photographs.
- Wallace, A. R.
Island life, or the phenomena and causes of insular faunas and floras including a revision and attempted solution of the problem of geological climates. Ed. 2.
1-563, London, 1892 (1st ed., 1880).
Biogeographic, but includes casual information on vegetation of many Pacific Islands, with suggestions on history. Ed. 1: LC: QH85. W18.
- Wallis, S.
An account of a voyage round the world in the years 1766, 1767 and 1768: in. Hawkesworth, 1: 140-522, 1773.
Includes account of visit to Tahiti, with, pp. 433-490, brief mentions of vegetation encountered in an excursion inland; on p. 499, describes Tinian as "one continued thicket."
- Warburg, O.
Eine Reise nach den Bonin- und Volcano Inseln.
Verh. Ges. Erdk. Berlin 18: 248-268, 1891.
Detailed general account of the islands with discussion of origin and relationships of flora. Hardly any mention of aspects of vegetation.
- Warner, H. H.
University in the South Pacific.
Parad. Pac. 51 (12): 74-75, 1939.
Popular article with brief description of vegetation on Canton, Enderbury, Jarvis, and Baker Islands.
- Watson, S.
On the flora of Guadalupe Island, Lower California, and, List of a collection of plants from Guadalupe Island, made by Dr. Edward Palmer, with his notes upon them.
Proc. Am. Acad. 11: 112-121, 1876.
Include some information on vegetation, especially in Palmer's notes.
- Wawra, H.
Skizzen von der Erdumseglung S. M. Fregatte "Donau." Die Hawailische Inseln.
Oester. Bot. Zeitschr. 22: 222-227, 259-265, 297-302, 332-335, 362-368, 397-405, 1872; 23: 23-29, 60-64, 94-99, 1873.
General notes on the vegetation of the main Hawaiian Islands, with altitudinal classification of vegetation types. Detailed description of vegetation observed on excursion on Oahu and Kauai.
- Webster, H. Cayley-
See Cayley-Webster, H.
- Webster, J.
The last cruise of the "Wanderer."
1-128, Sydney, [1851].
Includes notes on coconut plantations in the Gilbert Islands and on vegetation on Ocean Island. A word on soil and vegetation of Sikaiana. Bish: DU12. W38.
- Wedgwood, C. H.
Report on research work on Nauru Island, central Pacific.
Oceania 6: 359-391; 7: 1-33, 1936.
Includes, pp. 366-367, brief notes on vegetation, distinguishing coconut belt, and tangled

vegetation of the interior.

Wegener, G.

Deutschland im Stillen Ozean.
1-156, Bielefeld, Leipzig, 1903.

Geography of German Pacific colonies; includes notes on vegetation, and climate, and some photos. Author visited at least the Marshall, Samoa and Solomon Islands. LC: DU66. W41.

Wentworth, C. K.

The desert strip of West Molokai.
Univ. Iowa Studies Nat. Hist. 11 (4): 41-56,
1925 a.

Description and discussion of this eolian formation, including a paragraph on climate, and mentioning a few plants forming the sparse vegetation.

The geology of Lanai.

Bishop Mus. Bull. 24: 1-72, 1925 b.

Includes chapters on climate and water supply, and occasional mentions of vegetation which is shown in some of the photos. Maps.

Pyroclastic geology of Oahu.

Bishop Mus. Bull. 30: 1-121, 1926.

Some of the photos show vegetation.

Geology of the Pacific equatorial islands.

Occ. Pap. Bishop Mus. 9 (15): 1-25, 1931.

Topographical and geological descriptions of Fanning, Christmas, Jarvis, Washington and Palmyra Islands, with maps and incidental brief mentions of vegetation which is also shown in some of the photos.

Ash formations of the island Hawaii.

1-183, Honolulu, 1938.

Mainly geological, but contains a treatment of the "geomorphic divisions" of the island that may be of interest in connection with vegetation studies, as well as a short discussion of climate and vegetation with reference to ash beds; some excellent photographs showing vegetation or the lack of it; also a summary of geologic history, and chronology on the island. LC: QE524. H2. 3rd, 1938.

Wentworth, C. K. and Powers, W. E.

Multiple glaciation of Mauna Kea, Hawaii.

Bull. Geol. Soc. Am. 52: 1199-1218, 1941.

Some information, and photos of interest in connection with vegetation.

Wernicke, W.

Die Gazelle-Halbinsel.

Mitt. deutsch. Schutzgeb. 25: 176-185, 1912.

Geographical description of the peninsula, with incidental mentions of vegetation.

Wetmore, A.

Bird life among lava rock and coral sand.

Nat. Geogr. Mag. 48: 77-108, 1925.

Popular account of the Tanager expedition with descriptions of Leeward Hawaiian Islands emphasizing birds, but discussing vegetation and ecology to some extent; many photographs.

Wheeler, J.

Report on the island of Guam.

1-51, Washington, 1900.

General report on conditions on Guam published by the Office of the Adjutant General. A few plants are mentioned on pp. 9-12, and several good photos show vegetation. LC: DU647.U6, 1900.

White, C. T.

Flora of Melanesia.

Queensland Geogr. Jour. n. s. 49: 64-67, [1945?].

Includes very brief mentions of vegetation formations.

Botanizing in the British Solomon Islands.

Austr. Jour. Sci. 9: 62-64, 1946.

Includes a few notes on some types of vegetation (grassland, mangrove, rain forest) in the Solomons, especially Guadalcanal and Malaita.

Wilder, G. P.

A short trip to the Midway Islands with Capt. A.

P. Niblack in the U. S. S. "Iroquois."

Hawaiian For. Agr. 2: 390-396, 1905.

Includes short descriptions of the vegetation of Laysan and Midway, as well as accounts of introduction of various plants, and records of the presence of livestock.

Flora of Rarotonga.

Bishop Mus. Bull. 86: 1-113, 1931.

The introduction has a brief description of the island. Some of the photos show vegetation.

Wilder, G. P.

The flora of Makatea.
Bishop Mus. Bull. 120: 1-49, 1934.

The introduction includes notes on climate, soil, and brief descriptions of vegetation. The detailed notes in the list of species give information on vegetation as do some of the photographs.

Wilkes, C.

Narrative of the United States Exploring Expedition during the years 1838, 1839, 1840, 1841, and 1842.

5 vols., Philadelphia, 1844.

Journal of voyage, with important data on vegetation of many islands scattered through text; charts. For details of various eds. see Haskell, 1942. LC: Q115. W66.

Williams,

Bericht über den Ausbruch des Vulkans auf Savaii.
D. Kolonialbl. 17: 143, 1906.

Description of lava flows after Dec. 1905 eruption, with sketch. See also anonymous note on earlier flow, p. 305.

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Der Vulkan auf Savaii.
D. Kolonialbl. 18: 405-406, 1907.

Description of the extension of lava flows on the island, with maps.

Williams, F. X.

The butterflies and hawk-moths of the Galapagos Islands.
Proc. Calif. Acad. Sci. IV, 1: 289-322, 1911.

The introduction contains a brief geographical description and a summary of the zonation of the vegetation, with a diagram of the zones on Indefatigable Island, and some consideration of ecological factors.

Williams, H.

Geology of Tahiti, Moorea and Maiao.
Bishop Mus. Bull. 105: 1-89, 1933.

Includes brief chapter on climate, and several photos showing vegetation.

Williams, J.

A narrative of missionary enterprise in the South Sea Islands.
1-525, N. Y., [1837] (previously published in London).

Contains much information on natural history, but with only very casual notes on vegetation; on pp. 353-360 is an account of a hurricane on Rarotonga with severe damage to vegetation and every-

thing else; much information on economic plants; drawings of island landscapes; principally treats Cook Is., Samoa, Tonga, and Niue. LC: BV 3672. W5A3, 1837.

Willis, B.

Earthquake conditions in Chile.
Carnegie Inst. Pub. 382: 1-178, 1929.

Includes pp. 120-124, a description of San Felix and San Ambrosio. Hardly any mention of vegetation, but many photographs of the islands.

Willis, B. and Washington, H. S.

San Felix and San Ambrosio: their geology and petrology.
Bull. Geol. Soc. Am. 35: 365-384, 1924.

Includes general description, with a word on vegetation of San Ambrosio: "The summit plateau ... covered with vegetation consisting, according to reports, of low spreading bushes (*Thaumoecris lacerata* Ph.);" some poorly reproduced photos of islands.

Wilson, E. H.

The Bonin Islands and their ligneous vegetation.
Jour. Arnold Arb. 1: 97-115, 1919.

Includes account of topography, history, mentions of vegetation, and discussion of flora. The notes on some of the main plants give information on vegetation.

Wilson, N. H. C.

Geological reconnaissance of the islands of Owa Raha (Santa Anna) and Owa Riki (Santa Catalina), Eastern Solomons.
Gt. Brit. Ann. Col. Rept. 1421: 27-28, 1929.

Appendix B of Report for 1927; physiographic and geologic description, with a word on vegetation; both islands are of raised coral.

Wilson, W.

A missionary voyage to the southern Pacific Ocean
i-c, 1-395, London, 1799.

Narrative of voyage, with long historical and geographical "Preliminary discourse;" incidental notes on vegetation of many islands, especially the Society, Gambier, and Tonga groups, and several atolls; a number of maps, including one of the route of the voyage of the "Duff." Compiled by W. Wilson, published by the London missionary society. LC: DU26. L84.

Wilson, W. F.

David Douglas, botanist at Hawaii.
1-83, Honolulu, 1919.

Historical and biographical account, with extracts from letters and from Douglas' diary, containing much information on the vegetation, especially on the island of Hawaii, as it was in 1834. Bish.

Wilson, W. F.

Hawaii Nel 128 years ago, by Archibald Menzies. 1-199, Honolulu, 1920.

See Menzies, A.

With Lord Byron at the Sandwich Islands in 1825; being extracts from the MS. diary of James Macrae, Scottish botanist. 1-75, Honolulu, 1922.

Valuable early accounts of excursions in the Hawaiian Islands, including notes on vegetation and plants. LC: DU623. M3.

Wolfe, E.

Die Hanseatische Südsee-Expedition im Jahre 1809. Reisebericht. Abhandl. Senckenb. naturforsch. Ges. 36: 108-164, 1915.

Account of the expedition of the "Natma;" includes descriptive notes on various islands and island groups in the Pacific, with only a few mentions of vegetation; a few of the photos show vegetation.

Wolf, T.

Die Galapagos Inseln. Verhandl. Ges. Erdk. Berlin 30: 246-265, 1895 a. General geographical notes on the group, with emphasis on geology and volcanism, but with sections on climate, vegetation and fauna.

The Galapagos Islands.

Geogr. Jour. 6: 560-564, 1895 b.

Geographical description, with notes on geology and brief references to vegetation, soil, climate.

Woodbury, D. O.

Bulldozers for battle.

1-415, N. Y., 1946.

Popular account of the conversion of Johnston, Palmyra, Midway, and Wake Islands into military bases, including incidental information on their geography and physical features. Drawings, maps, sketches. LC: DU95. U6 W6.

Woodford, C. M.

Further exploration of the Solomon Islands.

Proc. R. Geogr. Soc. London n. s. 12: 393-418, 1890.

Includes casual mentions of vegetation of several islands.

Woodford, C. M.

The Gilbert Islands.

Geogr. Jour. 6 (4): 325-350, 1895.

Important paper including notes on aspect of islands, mentions of vegetation, and list of 23 plants.

Notes on Rennell Island.

Man 7: 33-37, 1907.

Brief note, with a short description of the island, and a word on its vegetation.

Wüllerstorff-Urbair, B. von

See Scherzer, K.

Wylie, R. B.

Some experiences of a botanist in Fiji.

Univ. Iowa Studies Nat. Hist. 10 (5): 142-153, 1924.

See Nutting, 1924.

Yunker, T. G.

Some botanical aspects of the Hawaiian Islands. Torreya 34: 29-36, 1934.

Popular description of botanical features including vegetation.

Botanizing on Niue Island.

Torreya 42: 121-128, 1942.

Brief account of vegetation, with lists of principal species, and photographs.

The flora of Niue Island.

Bishop Mus. Bull. 178: 1-126, 1943.

Introduction contains brief description of climate, soil and vegetation. Several photographs showing vegetation.

Plants of the Manna Islands.

Bishop Mus. Bull. 184: 1-73, 1945.

Vegetation mentioned only to say that it has been largely destroyed to make room for plantations. Annotated list of 421 species.

Zimmerman, E. C.

Insects of Hawaii, vol. 1.

1-206, Honolulu, 1948.

Zoogeographic discussion including many
photographs showing vegetation. LC: QL617.
8. Z5.

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Munro, 1929, 1932, 1952 a
Stearns, 1940
Wentworth, 1925 b

LAYSAN; see also Leeward Hawaiian Is.

Anon., 1942 b
Bryan, E. H., Jr., 1942
Dill and Bryan, W. A., 1912
Fisher, W. K., 1903
Munro, 1930
Schauinsland, 1899
Wilder, 1905

LEeward HAWAIIAN IS.

Anon., 1868 a
Bryan, E. H., Jr. et al., 1926
Bryan, W. A., 1915
Christophersen and Caum, 1931
Elschner, 1915
Fisher, W. K., 1903
Palmer, 1927
Wetmore, 1925

LEHUA; see also Hawaiian Is.

Birgham, 1878
Caum, 1936

LIFU; see also Loyalty Is.

Balansa, 1873 a
Hadfield, 1920

LINE IS.; see CENTRAL PACIFIC ATOLLS

LESIANSKI; see also Leeward Hawaiian Is.

Bryan, E. H., Jr., 1942

LONG; see also Bismarck Archipelago

Evans, 1939
Finsch, 1885 b

LOUISIADÉ IS.

Douglas, J., 1887
Huxley, 1935
Labillardière, 1800
Macgillivray, 1852
Maitland, 1904
Thomson, B., 1889 a, 1889 b
Thomson, J. P., 1892

LOYALTY IS.; see also New Caledonia
Archambault, 1914

Campbell, A. J., 1873
Däniker, 1931
Macmillan, 1938-39
Sarsain, 1917 a, 1917 b

MAKATEA; see also Tuamotu Is.

Elachner, 1913
Friederici, 1911
Papy and Bagnouls, 1960
Wilder, 1934

MAJURO; see also Marshall Is.

Spechr, 1949

MALA; see also Solomon Is.

Ivans, 1939

MALDEN; see also Central Pacific Atolls

Bloxam, 1925
Bryan, E. H., Jr., 1942
Dixon, 1877

MANGAIA; see also Cook Is.

Cook, J., 1784
Marshall, P., 1927

MANGAREVA

Agassiz, 1905, 1906 a, 1906 b
Beechey, 1831
Cuzent, 1884
Lesson, P. A., 1844
Moerenhout, 1857
Seurat, 1906
Skottsberg, 1940
Wilson, W., 1799

MANIHIKI; see also Central Pacific Atolls

Bryan, E. H., Jr., 1942
Linton, 1933

MANUA; see also Samoa Is.

Yuncker, 1945

MAPIA; see also Caroline Is. and Melanesia

Jung, 1899
Kubary, 1889-95

MARCUS

Bryan, W. A., 1903
Kuroda, 1954

MARIA; see also Austral Is.

Fosberg and St. John, 1952

MARIANAS IS.

Agassiz, 1903
 Anson, 1748
 Bennigsen, 1900
 Bowers, 1950, 1951
 Corte y Ruano Calderon, 1875
 Fritz, 1902
 Hamert, 1903
 Hosokawa, 1934 c
 Kanohira, 1934 a
 Lackowitz, 1904
 Marche, 1890, 1891, 1898
 Prowazek, 1913
 U. S. Geological Survey, 1944 c
 Volkens, 1901 a, 1904

MARQUEBAS IS.

Adamsen, 1936
 Agassiz, 1903
 Allmen, 1950
 Belcher, 1843
 Bennett, F. D., 1840
 Benoit, G., 1933
 Brown, F. B. H., 1924, 1931
 Christian, 1910
 Collenette, 1926
 Douglas, A. J. A., and Johnson, 1926
 Freeman, 1951 b
 Heyerdahl, 1949
 Jardin, 1857; 1862
 Jouan, 1865
 Krusenstern, 1813
 Langsdorff, 1812
 Lisiansky, 1814
 Murphy, R. C., 1925
 Rollin, 1929
 Semtevens, 1950-51
 Seurat, 1906
 Shurcliff, 1930
 Skottsberg, 1940
 Stewart, C. S., 1831

MARSHALL IS.

Agassiz, 1903
 Betcke, 1884
 Bryan, E. H., Jr., 1944 b
 Chamisso, 1821, 1830, 1842
 Erdland, 1914
 Fosberg, 1953 b, 1953 c
 Gilbert, 1789
 Hammet, 1854
 Krämer, 1906
 Krämer and Nevermann, 1938
 Meinicke, 1863
 Steinbach, 1895

MATTY

Anon., 1907 a
 Luschan, 1895

MATUPI; see also Bismarck Archipelago
 Gronemann, 1885

Parkinson, 1887
 Powell, 1883

MAUI; see also Hawaiian Is.

Alexander, 1883
 Anon., 1912
 Campbell, D. H., 1920
 Curran, 1911
 Hubbard, 1952
 Judd, 1927 a
 La Pérouse, 1797
 Lewton-Brain, 1909
 Lydgate, 1919-21
 Lyon, 1909
 Stearns and MacDonald, 1943

MAUIKE; see also Cook Is.

Bloxam, 1925

MC KEAN; see also Phoenix Is.

Bryan, E. H., Jr., 1942

MELANESIA

Australia, Commonwealth Government, 1943
 Bowman, 1951
 Codrington, 1889
 Coulter, J. W., 1951
 Goodenough, 1876
 Grange, 1949
 Hunter, 1793
 Jung, K. E., 1882-1883
 Meiniche, 1875-1876
 Sacht, 1953
 Tennent, 1945
 White, 1945

MERIR; see also Caroline Is.

Buse, 1919

MICRONESIA

Aso, 1940
 Baker, R. H., 1946
 Coolidge, 1948
 Fosberg, 1947 a, 1947 b, 1940, 1953 e, 1953 f,
 1953 g
 Hosaka, 1946
 Hosokawa, 1950, 1953 c
 Jung, K. E., 1882-83
 Kanohira, 1915, 1915-16, 1931, 1932, 1935 07

Karig, 1948
 Kirtlitz, 1858, 1861
 Kusano, 1917
 Marshall, C., 1951
 Matsuoka, 1943
 Meinicke, 1875-76
 Ogura, 1940
 Shinkooha Press, 1930, 1937
 Tayama, 1952
 Tennent, 1945
 U. S. Commercial Company, 1946-47
 U. S. Navy, 1944, 1945, 1948
 Volkens, 1901 b

MIDWAY; see also Leeward Hawaiian Is.
 Anon., 1868 a, 1942 a, 1942 b
 Bryan, E. H., Jr., 1942
 Fisher, H. I., 1949
 Fisher and Baldwin, 1946
 Hadden, 1941
 Kaucher, 1947
 Wilder, 1905
 Woodbury, 1946

MISIMA; see also Louisiade Is.
 Brown, 1925

MOKIL; see also Caroline Is.
 Anderson, 1854
 Murphy, R. E., 1948 a, 1948 b, 1949, 1950

MOLOKAI; see also Hawaiian Is.
 Lindgren, 1903; 1908
 Lydgate, 1919-1921
 Schaninsland, 1900
 Stearns and MacDonald, 1947
 Wentworth, 1925 a

MOLOKINI; see also Hawaiian Is.
 Forbes, 1913 b
 Palmer, 1930

MOOREA; see also Society Is.
 Crampton, 1932
 Staehelin, 1935
 Williams, H., 1933

NAPUKA; see also Tuamotu Is.
 Audran, 1918
 Cheesman, 1927 a

NASSAU; see also Central Pacific Atolls
 Bryan, E. H., Jr.

NAURU (Nawodo, Pleasant)
 Dakin, 1935

Ellis, A. F., 1935, 1946
 Elachner, 1913
 Hambrach, 1914-15
 Kayser, 1934
 Pope, 1921
 Wedgwood, 1936

NAWODO: see NAURU

NECKER; see also Leeward Hawaiian Is.
 Bryan, E. H., Jr., 1942
 Emery, 1928
 Fisher, 1903
 La Pérouse, 1797

NEW BRITAIN; see also Bismarck Archipelago
 Anon., 1907 a, 1949
 Brown, G., 1877, 1908, 1910
 Burcham, 1948
 Cayley-Webster, 1898
 Finckh, 1885 a
 Gronemann, 1885
 Lane-Poole, 1925
 Lauterbach, 1928-30
 Parkinson, 1887
 Pfeil, 1899
 Powell, 1881, 1883
 Rascher, 1904, 1906
 Reehinger, 1908 c
 Schnee, H., 1900 a, 1900 b
 Schumann et al., 1898
 U. S. Navy, 1945
 Werniche, 1912

NEW CALEDONIA; see also Melanesia
 Archambault, 1914
 Balansa, 1872, 1873 a, 1873 b
 Barrau, 1949, 1951, 1953
 Benoit, 1933
 Bernard, 1895
 Birrell and Wright, 1945
 Boothby, 1944
 Braumiche, 1884
 Burcham, 1948
 Catala, 1950, 1953
 Chambeyron, 1875
 Compton, 1917
 Cook, J., 1777
 Daniher, 1929, 1930
 Dealongchamps, 1864
 Forster, 1777
 Gullfoyle, 1869
 Guillaumin, 1921, 1953
 Hechel, 1892, 1911
 Jeannene, 1894
 Labillardière, 1800

Macgillivray, 1854
 Mialaret, 1897
 Naudin, 1857
 Pancher, 1881
 Rossel, 1898
 Sarasin, 1917 a, 1917 b
 Sarlin, 1949
 Schlechter, 1905
 Skottsberg, 1953 c
 Veitch, 1866
 Vieillard and Deplanche, 1863
 Virot, 1939, 1951

NEW HANOVER; see also Bismarck Archipelago
 Cayley-Webster, 1898
 Studer, 1877 b

NEW HEBRIDES; see also Melanesia
 Archambault, 1914
 Aubert de la Rho, 1936, 1937 a, 1937 b, 1945
 Baker, J. R., 1929 b
 Baker, J. R. and Baker, I., 1936
 Baker, J. R. and Harrison, 1936
 Benoit, G., 1933
 Brown, G., 1919
 Buxton and Hopkins, 1927
 Campbell, A. J., 1873
 Campbell, G. G., 1876
 Chessman, 1932, 1933, 1949
 Cook, J., 1777
 Davillé, 1895
 Forster, 1777
 Frederick, 1893
 Graeffe, 1867
 Gullfoyle, 1869
 Kajewski, 1939
 Macgillivray, 1854
 Marriott, 1920
 Marshall, A. J., 1937
 Moresby, 1876
 Morrison, 1902
 Moseley, 1892
 Shurcliff, 1936
 Somerville, 1928
 Speiser, 1913
 Tizard et al., 1885
 U. S. Navy, 1945
 Veitch, 1866

NEW IRELAND; see also Bismarck Archipelago
 Belcher, 1843
 Brown, G., 1877, 1881, 1908
 Cayley-Webster, 1898
 Grommann, 1885
 Hinds, R. B., 1842
 Labillardière, 1800

Lane-Poole, 1925
 Lesson, R. P., 1838
 Lesson, R. P. and Garnot, 1826-28
 Parkinson, 1887
 Pfeil, 1899
 Schlaginhaufen, 1908
 Studer, 1877 b

NIHOA; see also Leeward Hawaiian Is.
 Bryan, E. H., Jr., 1942
 Emery, 1928
 Fisher, W. K., 1903

NIHAU; see also Hawaiian Is.
 Birgham, 1878
 Forbes, 1913 a
 Hinds, N. E. A., 1930

NINIGO; see also Bismarck Archipelago
 Labillardière, 1800
 Thilenius, 1903

NISSAN; see also Bismarck Archipelago
 Anon., 1891
 Cayley-Webster, 1898
 Schmitz, 1891

NIUAFU; see also Tonga Is.
 Gräffe, 1868
 Jaggard, 1936, 1935
 Kellers, 1931
 Ramsay and Plumb, 1938
 Sommerville, 1896
 Trotter, 1896

NIUE (Savage)
 Cook, J., 1777
 Williams, J., 1837
 Yunker, 1942

NORTHERN COOK IS.: see CENTRAL PACIFIC ATOLLS

NUKUHIVA; see also Marquesas Is.
 Chessman, 1932

NUKUMANU; see also Solomon Is.
 Sarfert and Damm, 1931

NUKUNONO; see also Tokelau Is.
 Bryan, E. H., Jr., 1942

OAHU; see also Hawaiian Is.
 Campbell, D. H., 1920
 Edmondson, 1928
 Egler, 1937, 1939, 1947

Forbes, 1920
 Fosberg and Hosaka, 1938
 Hall, E. O., 1839
 Hatheway, 1952
 Hosaka, 1937 a, 1937 b, 1939
 Judd, 1929 a, 1929 b
 Lyon, 1923, 1929 a, 1930
 MacCaughy, 1910, 1914, 1915, 1917 d, 1917 e
 McEldowney, 1930
 Miller, 1953
 Pollock, 1928
 Richmond, 1929
 St. John, 1945
 Stearns, H. T., 1939
 Stearns and Vakavik, 1935
 Stearns, N. D., 1935
 Wawra, 1872-73
 Wentworth, 1926

OCEAN (Banaba)

Ellis, A. F., 1935, 1946
 Elschner, 1913
 Pope, 1921
 Webster, J., 1851

OCEAN; see KURE

OENO; see also Tuamotu Is.

Beechey, 1831
 Skottsberg, 1940 b

ONOTOA; see also Gilbert Is.

Cloud, 1952 a
 Moul, 1953

ONTONG JAVA; see also Solomon Is.

Hogbin, 1929, 1931, 1934, 1945
 Sarfert and Damm, 1929-31

OVALAU; see also Fiji Is.

Gullfoyle, 1869

**PACIFIC EQUATORIAL IS.: see CENTRAL
 PACIFIC ATOLLS, Howland, Baker**

PALAU; see also Caroline Is.

Abe, 1937
 Abe et al., 1937
 Anon., 1907 b
 Bennigsen, 1900
 Fosberg, 1947 b
 Gressitt, 1952, 1953
 Hosokawa, 1949
 Kanda, 1944
 Krämer, 1908, 1917-1929, 1932
 Kubary, 1873

Marshall, J. T., Jr., 1949
 Motoda, 1941
 Ogura, 1941
 Semper, 1873
 Tayama, 1935
 U. S. Geological Survey, 1944 e

PALMERSTON; see also Central Pacific Atolls
 Bryan, E. H., Jr., 1942
 Cook, J., 1784

PALMYRA; see also Central Pacific Atolls
 Bryan, E. H., Jr., 1942
 Christophersen, 1927
 Rock, 1916; 1929
 Wentworth, 1931
 Woodbury, 1946

PAUMOTU IS.: see TUAMOTU IS.

PAVUVU; see also Russell Is.
 Burcham, 1948

**PEARL AND HERMES REEF; see also Leeward
 Hawaiian Is.**
 Bryan, E. H., Jr., 1942
 Galstoff, 1933

PELILIU; see also Palau Is., Caroline Is.
 Burcham, 1948
 Okabe, 1940

PENNYHYN; see TONGAREVA

PHOENIX; see also Phoenix Is.
 Bryan, E. H., Jr., 1942

PHOENIX IS.
 Bryan, E. H., Jr., 1930 a
 Ellis, A. F., 1937, 1946
 Maude, 1953

PINGELAP; see also Caroline Is.
 Murphy, R. E., 1948 a, 1949

PITCAIRN
 Beechey, 1831
 Bennett, 1840
 Cooke, 1935
 E., M., 1938
 Lacroix, 1939
 Maiden, 1901
 Moeranheit, 1837
 Moverley, 1953
 Skottsberg, 1940

PLEASANT; see NAURU

POLYNESIA

Brown, F. B. H., 1931
 Bryan, E. H., Jr., 1945
 Fosberg, 1953 e
 Grange, 1949
 Jung, K. E., 1882-1883
 Meinicke, 1875-1876
 Perkins, 1854
 Sourat, 1905
 Tennant, 1945

PONAPE; see also Caroline Is.

Anderson, 1854
 Christian, 1899 a, 1899 c
 Daiber, 1902
 Fraunfeld, 1859 b
 Glassman, 1950, 1952
 Gulick, 1858 a, 1858 b, 1862
 Hambruch, 1830, 1832-36
 Hochstetter, 1885
 Hosokawa, 1935, 1943 b, 1961, 1952 a
 Kariyane, 1927
 Murphy, R. E., 1948 a, 1949
 Scharner, 1861, 1861-63
 U. S. Geological Survey, 1944 f
 Vanderbilt, 1929

PUKAPUKA; see also Tuamotu Is.
 Sourat, 1904 b

PUKAPUKA (Danger Is.); see also Central Pacific Atolls
 Bryan, E. H., Jr., 1942
 Donaghoe, 1952-53

PULO ANNA; see also Caroline Is.
 Buss, 1910

RAIATEA; see also Society Is.
 Cheesman, 1927 b
 Papy, 1950, 1951

RAKAHANGA; see also Central Pacific Atolla
 Bryan, E. H., Jr., 1942

RAPA; see also Austral Is.
 Anon., 1868
 Caillot, 1932
 Collanette, 1926
 Coche, 1935
 Chubb, 1927
 Freeman, 1951 b
 Garnier, 1870
 Murphy, R. C., 1925

Riley, 1926
 Sourat, 1906
 Skottsberg, 1949
 Vancouver, 1798

RAROTONGA; see also Cook Is.

Anon., 1953
 Belcher, 1843
 Burnett, 1911
 Cheesman, 1903
 Cumberland, 1953
 Marshall, P., 1930
 Wilder, 1931
 Williams, J., 1837

RENNELL; see also Solomon Is.

Black, 1952
 Deck, 1921
 Kennedy, D. G., 1953
 Lambert, 1931
 Stanley, 1929
 Woodford, 1907

REVILLAGIGEDO IS.

Anthony, 1898
 Brandegee, 1900
 Frazer, 1943
 Freeman, 1951 d
 Gentry, 1949
 Hanna, 1926
 Johnston, 1931
 McLellan, 1925
 Townsend, 1899

RONGELAP; see also Marshall Is.
 Taylor, W. R., 1950

RONGERIK; see also Marshall Is.
 Taylor, W. R., 1950

ROSE; see also Samoan Is.
 Bryan, E. H., Jr., 1939 b, 1942
 Dana, 1851
 Donaghoe, 1952-53
 Mayer, 1921, 1924
 Setchall, 1924 b

ROSSEL; see also Louisiade Is.
 Armstrong, 1928
 Huxley, 1935

ROTA; see also Marianas Is.
 Gandichand, 1826
 Kanahira, 1836

ROTUMA

Allardyce, 1886
 Allen, 1895
 Bennett, G., 1832
 Gardiner, 1898

RURUTU; see also Austral Is.

Murphy, R. C., 1925

RUSSELL IS.; see also Solomon Is.

Burcham, 1947
 Davis, C. M., 1947

ST. MATTHIAS; see also Bismarck Archipelago

Hesse-Wartegg, 1902
 Nevermann, 1933

SAIPAN; see also Marianas Is.

Anon., 1947
 Byron, 1773
 Crampton, 1921, 1925
 Kanehira, 1937
 Marshall, J. T., Jr., 1949

SALA Y GOMEZ

Chamisso, 1821
 Falke, 1941
 Freeman, 1951 d
 Murphy, R. C., 1936
 Reiche, 1932

SAMOA IS.

Ahner, 1885
 Anderson, T., 1910
 Behrens, 1737, 1739
 Brown, G., 1908, 1910
 Bryan, E. H., Jr., 1942
 Buxton, 1930
 Buxton and Hopkins, 1927
 Daly, 1924
 Deeken, 1902
 Gräffe, 1873 a
 Guilfoyle, 1869
 Hassert, 1903
 Hesse-Wartegg, 1902
 Krämer, 1902-03, 1906
 La Pérouse, 1797
 Marques, 1889
 Marshall, C., 1951
 Reisinger, K., 1908 a, 1908 b, 1910
 Reinecke, 1895, 1898, 1900-01, 1902, 1903 b
 Thomson, J. A., 1921
 Turner, 1889
 Vaupel, 1910
 Veitch, 1866
 Williams, J., 1837

SAN BENEDICTO; see also Revillagigedo Is.

Bailey, 1941
 Betche, 1881
 Richards and Walker, 1954

SANDWICH; see also Bismarck Archipelago

Hesse-Wartegg, 1902
 Labillardière, 1809

SANDWICH IS.; see HAWAIIAN IS.**SAN FRANCISCO; see also Bismarck Archipelago**

Bennigsen, 1900 a

SANTA CRUZ IS.; see also New Hebrides

Kajewski, 1930
 Moresby, 1876
 Veitch, 1866

SAVAGE; see NIUE**SAVAII; see also Samoa Is.**

Anderson, T., 1910
 Betche, 1881
 Bülow, 1896, 1897
 Jensen, 1907
 Linke, 1907
 Reinecke, 1895, 1896, 1903 a, 1903 c, 1903 d
 Williams, 1906, 1907

SIDNEY; see also Phoenix Is.

Bryan, E. H., Jr., 1942

SIKAIANA; see also Solomon Is.

Beck, 1888
 Frauenfeld, 1859 b
 Hochstetter, 1866
 Scherzer, 1861, 1861-63
 Webster, J., 1851

SOCIETY IS.

Agassiz, 1903
 Banks, 1896
 Bennett, F. D., 1840
 Benoit, G., 1933
 Burnett, 1911
 Collenette, 1926
 Cook, J., 1784, 1893
 Cooke, 1935
 Curton, 1942
 Cusent, 1860, 1885
 Debenham, 1945
 Douglas, A. J. A. and Johnson, 1926
 Ellis, W., 1829, 1842, 1859
 Freeman, 1951 b
 Marriott, 1920

Moerenhout, 1857
 Perkins, 1854
 Papy and Bagnouls, 1950
 Pensteven, 1950-51
 Senrat, 1906
 Shurcliff, 1930
 Skottsberg, 1940
 Stewart, 1831
 Tizard et al., 1885
 Wilson, W., 1799

SOCORRO; see also Revillagigedo Is.
 Belcher, 1843
 Grayson, 1872
 Routledge, Mrs. S., 1919

SOLOMON IS.
 Bennigsen, 1901
 Braak, 1931
 Brown, G., 1910
 Burnett, 1911
 Cayley-Webster, 1898
 Guppy, 1887 a, 1887 b
 Hogbin, 1945
 Kajewski, 1946
 Knibbs, 1929
 Labillardiere, 1800
 Lever, 1937
 Parkinson, 1907 a
 Reehinger, K., 1908 a, 1908 c
 Reehinger, L. and Reehinger, K., 1908
 Romel, 1808
 Shurcliff, 1930
 Sibley, 1946
 U. S. Navy, 1945
 Walker, F. S., 1948
 White, 1946
 Wilson, N. H. C., 1929
 Woodford, 1899

SONSOROL; see also Caroline Is.
 Buse, 1910

SOUTH MARUTEA; see also Tuamotu Is.
 Senrat, 1903 b, 1904 a

SQUALLY; see EMIRAU

STARBUCK; see also Central Pacific Atolls
 Bryan, E. H., Jr., 1942

STEWART; see SIKAIANA

SULPHUR IS.; see VOLCANO IS.

SUVAROV; see also Central Pacific Atolls
 Bryan, E. H., Jr., 1942

SWAINS; see also Tokelau Is.
 Bryan, E. H., Jr., 1930 c, 1942
 Donaghho, 1952-53

TABAR IS.; see also Bismarck Archipelago
 Groves, 1934

TAHITI; see also Society Is.
 Anderson, 1854
 Anon., 1874
 Beechey, 1831
 Belcher, 1843
 Campbell, G. G., 1876
 Cheesman, 1927 b, 1932
 Christian, 1910
 Cook, J., 1777
 Crampton, 1916
 Crealand, 1928
 Curten, 1942
 Cusent, 1860
 Darwin, 1839, 1852
 Forster, G., 1777
 Frauenfeld, 1859 a
 Giovanelli, 1945
 Leson, R. P., 1838
 Leson, R. P. and Garnot, 1825-30
 Moseley, 1892
 Papy, 1947, 1948, 1950, 1951
 Robertson, 1948
 Scherzer, 1861, 1861-63
 Setchell, 1922, 1926 a, 1926 b
 Taylor, P. G., 1948
 Vancouver, 1798
 Viguer, 1800
 Wallis, 1773
 Williams, H., 1933

TAKAROA; see also Tuamotu Is.
 Forster, G., 1777

TANNA; see also New Hebrides
 Hildor, 1951
 Hind, R. B., 1842
 Kajewski, 1930
 Macgillivray, 1854
 Milne, 1855

TAUU; see also Solomon Is.
 Merrill, 1832

TEMATANGI; see also Tuamotu Is.
 Marriott, 1920

TENCH; see also Bismarck Archipelago
Danniel, 1902

TEPOTO; see also Tuamotu Is.
Audran, 1918

TIKEI; see also Tuamotu Is.
Chamisso, 1830

TIKOPIA; see also Santa Cruz Is.
Dumont d'Urville, 1832-33

TIMOE
Beechey, 1831
Seurat, 1903 a, 1904 a

TINIAN; see also Marianas Is.
Byron, 1773
Fritz, 1901
Gaudichaud, 1826
Gilbert, 1789
Kanehira, 1937
Marshall, J. T., Jr., 1949
Schnee, P., 1911
Wallis, 1773

TOBI; see also Caroline Is.
Aso, 1937
Buse, 1910

TOKELAU IS.
Bryan, E. H., Jr., 1942

TONGA IS.
Agassiz, 1903
Anderson, 1854
Brown, G., 1908, 1910
Buxton and Hopkins, 1927
Campbell, G. G., 1876
Cook, J., 1777, 1784
Debenham, 1945
Dumont d'Urville, 1832-33
Forster, G., 1777
Gräffe, 1867
Labillardière, 1800
La Pérouse, 1797
Lister, 1891
Moresby, 1876
Moseley, 1892
Rossel, 1808
Studer, 1877a
Tizard et al., 1885
Veltch, 1866
Waldegrave, 1833
Williams, J., 1837
Wilson, W., 1799

TONGATABU; see also Tonga Is.
Setchell et al., 1926

TONGAREVA; see also Central Pacific Atolls
Bryan, E. H., Jr., 1942
Chamisso, 1821
Linton, 1933

TROBRIAND IS.
Austen, 1936
Malinowski, 1935

TROPICAL PACIFIC ISLANDS (general)

Alexander, 1895, 1908
Allied Forces, 1944
Aso, 1940
Baarslag, 1941
Behm, 1859
Behrens, 1737, 1739
Behrmann, 1930
Bellingshausen, 1831
Bennett, F. D., 1840
Blake and Atwood, 1942
Brigham, 1900
Bryan, E. H., Jr., 1944a
Campbell, D. H., 1926
Carson, 1950, 1951
Carteret, 1773
Cheyne, 1852
Collenette, 1926
Cook, J., 1773, 1893
Cooke, 1935
Coulter, J., 1847
Dana, 1851
Daniel, 1943
Darby et al., 1943-45
Davis, W. M., 1928
Douglas, A. J. A. and Johnson, 1926
Drake del Castillo, 1886-92
Drude, 1890, 1897
Dumont d'Urville, 1835
Elschner, 1913
Engler, 1882
Forster, G., 1777
Forster, J. R., 1778
Fosberg, 1951 a, 1951 b, 1953 a, 1953 b, 1953 c,
1953 d
Freeman, 1951 a
Gardiner, 1931
Gill, 1876, 1885
Glock, 1923
Great Britain, 1951
Great Britain Hydrographic Department, 1943-46
Grisebach, 1866-76, 1872, 1875-78, 1884
Guillaumin, 1928

Guillemard, 1894
 Guppy, 1903-06
 Hawkesworth, 1773
 Hinds, R. B., 1843
 Hosokawa, 1943 a
 Hutchinson, 1950
 Köppen and Geiger, 1930-39
 Kotzebue, 1821, 1825, 1830
 Lucatt, 1851
 Merrill, 1940, 1945
 Meyen, 1846
 Morrell, 1832
 Osborn, 1944
 Paulding, 1831
 Pickering, 1876
 Reed, 1927
 Richards, P. W., 1952
 Robson, 1945
 Rübel, 1930
 Sachet, 1953
 Schimper, 1903, 1935
 Schnee, H., 1920
 Schott, 1938
 Schwabe, 1909
 Setchell, 1928 b, 1928 c
 Skogman, 1856
 Spry, 1877
 Tyerman and Bennet, G., 1831
 U. S. Geological Survey, 1944 i
 U. S. Hydrographic Office, 1943-44
 Vanderbilt, 1933
 Wallace, 1892
 Wegener, 1903
 Wilkes, 1844
 Wilson, W., 1799
 Wolf, E., 1915

TRUK IS.: see also Caroline Is.

Bollig, 1927
 Hosokawa, 1937 a, 1937 b
 Kariyone, 1927
 Krämer, 1908, 1922
 Kubary, 1888
 Vanderbilt, 1929

TUAMOTU IS.

Agassiz, 1903
 Banks, 1896
 Beechey, 1831
 Behrens, 1737, 1739
 Benoit, G., 1933
 Byron, 1773
 Chamisso, 1821
 Collenette, 1926
 Cook, J., 1893
 Cooke, 1935

Cuzent, 1884
 Dana, 1851
 Debenham, 1945
 Freeman, 1951 b
 Friederici, 1911
 Meerenhout, 1857
 Robertson, 1948
 Serstevens, 1950-51
 Seurat, 1906
 Skottsberg, 1940
 Taylor, P. G., 1948

TUBUAI; see also Austral Is.
 Aitken, 1939

TUBUAI IS: see AUSTRAL IS.

TUTUULA; see also Samoa Is.
 Chamberlin, 1924
 Setchell, 1924 a

UPOLU; see also Samoa Is.

Ahner, 1885
 Bêche, 1881
 Reinecke, 1903 a

UVEA; see also Loyalty Is.

Hadfield, 1920

UVEA; see also Wallis I.

Burrows, 1937, 1938
 Fechner, 1931
 Gräffe, 1868

VANIKORO; see also Santa Cruz Is.

Dumont d'Urville, 1832-33
 Kajewski, 1930

VANUA LAVA; see also Banks Is.

Kajewski, 1930

VANUA-LEVU; see also Fiji Is.

Guppy, 1903
 Smith, 1935 a

VAVAU; see also Tonga Is.

Burkill and Crosby, 1901
 Crosby, 1901
 Gullfoyle, 1869
 Waldegrave, 1833

VITI IS.: see FIJI IS.

VITI LEVU; see also Fiji Is.

Gräffe, 1869
 Im Thurn, 1912

Macdonald, 1857
Milne, 1857

VOLCANO IS.

King, 1784
Okubo, 1888
Tuyama, 1953
Warburg, 1891

VOSTOK; see also Central Pacific Atolls
Fosberg, 1936 b
Skottsberg, 1940

VULKAN; see also Bismarck Archipelago
Finsch, 1886

WAKE

Bryan, E. H., Jr., 1942
Bryan, E. H., Jr. et al., 1926
Christophersen, 1931
Kaucher, 1947
Woodbury, 1946

WALLIS IS.

Anon., 1926
Cohic, 1950
Skottsberg, 1940
Stearns, 1945
Thévenot, 1952
Vi ala, 1919

WASHINGTON; see also Central Pacific Atolls
Bryan, E. H., Jr., 1942
Christophersen, 1927
Herns, 1926
Wentworth, 1931

YAP; see also Caroline Is. and Micronesia
Gräffe, 1873 c
Hartlaub and Finsch, 1872
Volkens, 1901 c, 1901 d

LIST OF SERIAL ABBREVIATIONS

Here are listed, alphabetically, the abbreviations for titles of serials used in the references in the three bibliographies, with the full titles that they represent. The place of publication is added after a / where it is not obvious in the title of the serial.

The numbers following the title and place of publication are the call numbers for these serials in libraries where they are known to exist, with the Library of Congress number given wherever possible. No particular attempt has been made to get other library numbers except where a set of the serial has not been found in the Library of Congress, or where the set there is incomplete. The letters preceding the colon before the call number indicate the name of the library. These abbreviations, with their equivalents, are: AA--Arnold Arboretum; AML--Armed Forces Medical Library; DA--U.S. Department of Agriculture; GS: U.S. Geological Survey; LC: Library of Congress; Smi.--Smithsonian Institution and U. S. National Museum; WB-- U. S. Weather Bureau; Acad. Sci. Phila.--Academy of Natural Sciences of Philadelphia; Peabody Inst.--Peabody Institute, Baltimore; Harvard Peabody Mus.--Peabody Museum, Harvard University; NYPL--New York Public Library; NYBG--New York Botanical Garden; AGS--American Geographical Society; AMNH--American Museum of Natural History; CY--Yale University; Bish.--B. P. Bishop

Museum; LH--Library of Hawaii; UH--University of Hawaii; Paris Mus.--Muséum d'Histoire Naturelle, Paris; Paris MH--Musée de l'Homme, Paris; Paris AGOM--Agence Générale de la France d'Outre-Mer, Paris; Leiden Mus.--Rijksmuseum van Natuurlijke Historie, Leiden; Leiden Herb.--Rijks-herbarium, Leiden; Amsterdam Inst. Trop.--Royal Tropical Institute, Amsterdam. These same library abbreviations are used with the call numbers of books in the body of the bibliographies.

Notes are occasionally added to indicate changes or peculiarities in dates, places of publications, titles, or any other circumstances of bibliographic interest that we have encountered. In certain instances the publishing agency or society is indicated, but not usually.

The abbreviations do not follow any published system, though those used by E. D. Merrill, in his *Bibliography of the Botany of the Pacific Islands*, Contr. U. S. Nat. Herb. 30: 1-404, 1947, have been used as a guide except where the more cumbersome abbreviations used there have been simplified. In the many cases where serials were not included by Merrill, abbreviations were made up in a somewhat similar style to that used by him. No particular principles were employed in making these abbreviations, nor are the same words necessarily always abbreviated in the same way in different titles.

Alphabetical List

- A. W. S. Sp. St.**
Air Weather Service Special Studies. / Washington, D. C.
- Abh. Ber. K. zool. anthr.-ethn. Mus. Dresden**
Abhandlungen und Berichte des königlichen zoologischen und anthropologisch-ethnographischen Museums zu Dresden.
LC: Q11.D7.
- Abh. Böhm. Ges.**
Abhandlungen der Königlischen Böhmischen Gesellschaft der Wissenschaften. / Prague.
LC: AS 142. C31.
In LC: 1785-1892, only.
- Abh. Naturw. Ver. Bremen**
Abhandlungen herausgegeben vom Naturwissenschaftlichen Verein zu Bremen.
LC: Q49. B8.
- Abh. Naturw. Ver. Hamburg**
Abhandlungen aus dem Gebiete der Naturwissenschaften herausgegeben vom Naturwissenschaftlichen Verein in Hamburg.
LC: Q49. H4.
- Abhandl. Leop.-Carol. Akad. Naturf.**
Abhandlungen der Kaiserlichen Leopoldinisch-Carolinischen Deutschen Akademie der Naturforscher.
LC: Q49.H18; CY: A31. 05.
See also Nova Acta Academiae Naturae Curiosum.
- Abhandl. Senckenb. Naturforsch. Ges.**
Abhandlungen herausgegeben von der Senckenbergischen Naturforschenden Gesellschaft. / Frankfurt am Main.
LC: QH5. S38.
- Act. Phytotax. Geobot.**
Acta Phytotaxonomica et Geobotanica. / Kyoto.
DA: 450 Ac 83.
- Act. Soc. Helv. Sci. Nat.**
Actes de la Société Helvétique des Sciences Naturelles; or: Verhandlungen der Schweizerischen Naturforschenden Gesellschaft.
LC: Q87. S4.
Place of publication varies.
- Acta Hort. Gotob.**
Acta Horti Gothoburgensis [or Gothoburgensis].
- Meddelanden den från Göteborgs Botaniska Trädgård. / Göteborg (Göteborg).**
Smi.: Botany Div.
- Adansonia**
Adansonia. Recueil périodique d'observations botaniques. / Paris.
Smi.: 589. 544. A22 J.D.S.
- Adv. Sci.**
The Advancement of Science. / London.
LC: Q41. B812; GS: S (520) B79.
- Agr. Jour. [Fiji]**
Agricultural Journal. / Suva (Fiji).
LC: S400. F5 A63.
- Agron. Trop.**
L'Agronomie Tropicale/Nogent-sur-Marne.
LC: S5. A46.
- Allg. bot. Zeitschr.**
Allgemeine botanische Zeitschrift für Systematik, Floristik, Pflanzengeographie, etc. / Carlsruhe.
DA: 450 A1 5.
- Allg. Missions-Zeitschr.**
Allgemeine Missions-Zeitschrift. / Berlin.
LC: BV2354. A6.
- Alpen**
Die Alpen - Les Alpes - Le Alpi. / Bern.
AG6: 571.
- Am. Anthrop.**
The American Anthropologist.
LC: GNI. A5.
Place of publication varies.
- Am. Bot.**
American Botanist. / Joliet, Ill.
LC: QK1. A385.
- Am. Fern Jour.**
American Fern Journal. / Lancaster, Pa.
LC: QK520. A6.
- Am. For. Serv. Jour.**
The American Foreign Service Journal. / Washington, D. C.
LC: JX 1. A53.
- Am. Forestry**
American Forestry. / Washington, D. C.

- LC: SD1. A55.
Published by American Forestry Association.
- Am. Geogr. Soc. Bull.
Bulletin of the American Geographical Society./
New York.
LC: G3. A5.
- Am. Jour. Bot.
American Journal of Botany. Organ of the Botanical Society of America.
LC: QK1. B345; DA: 450 Am 36.
Place of publication varies.
- Am. Jour. Conch.
American Journal of Conchology. / Philadelphia.
LC: QL401. A5.
- Am. Jour. Hyg. Monogr.
American Journal of Hygiene, Monographic Series. / Baltimore, Md.
LC: filed by author.
- Am. Jour. Pub. Health
American Journal of Public Health and the Nation's Health. / New York.
LC: RA421. A41.
- Am. Jour. Sci.
The American Journal of Science and Arts. / New Haven.
LC: Q1. A5.
Title varies (Am. Jour. Science).
- Am. Jour. Trop. Med.
The American Journal of Tropical Medicine. / Baltimore, Md.
LC: RC960. A4.
- Am. Midl. Nat.
The American Midland Naturalist. / Notre Dame, Indiana.
LC: QH1. A35; GS:
- Am. Mus. Jour.
The American Museum Journal. / New York.
LC: QH1. N13.
Published by American Museum of Natural History.
- Am. Mus. Novit.
American Museum Novitates. / New York.
Smi.: 507. 73 N7 A37.
Published by American Museum of Natural History.
- Am. Nat.
The American Naturalist. A monthly journal, devoted to the Advancement of the Biological Sciences / Lancaster, Pa.
LC: QH1. A5.
- Am. Neptune
The American Neptune; a quarterly journal of maritime history. / Salem, Mass.
LC: V1. A4.
- [Amer.] Mission. Herald
The Missionary Herald. / Boston.
LC: BV2350. M5.
- Anal. Cienc. Nat.
Anales de Ciencias Naturales. / Madrid.
Smi. 505. 46.
- Ann. Acad. Sci. Fenn.
Annales Academiæ Scientiarum Fennicæ. / Helsingfors.
LC: Q00. H53; DA: 260 H52.
- Ann. Agr. Col. Trop.
Annales de l'Agriculture des Colonies et des Régions Tropicales. / Paris.
LC: SB11. A2 A6.
- Ann. Assoc. Am. Geogr.
Annals of the Association of American Geographers. / Lancaster, Pa.
LC: G70. A7.
- Ann. Bryol.
Annales Bryologici. A yearbook devoted to the study of the mosses and hepatics. / The Hague.
DA: 450 Am 73; LC: QK534. A6.
- Ann. Conserv. Jard. Bot. Genève
Annuaire du Conservatoire et du Jardin Botaniques de Genève.
DA: 461 G28.
Continued as: Candollea.
- Ann. Ent. Soc. America
Annals of the Entomological Society of America. / Columbus, O.
LC: QL461. E62.
- Ann. Fac. Sci. Marseille
Annales de la Faculté des Sciences de Marseille.
LC: Q46. M3.
- Ann. Géogr.
Annales de Géographie; Bulletin de la Société

- de Géographie. / Paris.
LC: G1.A6.
- Ann. Hist.-Nat. Mus. Nat. Hung.
Annales Historico-Naturales Musei Nationalis
Hungarici. / Budapest.
LC: QH7. B9.
- Ann. Hydrogr.
Annalen der Hydrographie und Maritimen Meteorologie. / Berlin.
LC: VK798. A6.
- Ann. Hydrogr. [France]
Annales Hydrographiques; Service Hydrographique de la Marine, Paris.
LC: VK798.F8.
- Ann. Inst. Océanogr.
Annales de l'Institut Océanographique. / Paris.
LC: GCl.B5 (incomplete); AGS: L70; GS: 530
qIn 7.
- Ann. Jard. Bot. Buitenzorg
Annales du Jardin Botanique de Buitenzorg.
/Leliden.
DA: 451 B 86A; LC: QK1. B97.
DA has 1876-1926; LC has 1876-1905.
- Ann. Landw. Wochenbl.
Annalen der Landwirtschaft in dem Königlich
Preussischen Staaten. Wochenblatt. / Berlin.
LC: 87. A52.
- Ann. Mag. Nat. Hist.
The Annals and Magazine of Natural History,
including Zoology, Botany and Geology. /London.
Smi.: 505. 42.
LC: QH1. A6.
Incomplete in LC. "Being a continuation of
the Annals combined with Loudon and Charles-
worth's "Magazine of Natural History."
- Ann. Med. Pharm. Col.
Annales de Médecine et de Pharmacie Coloniales. / Paris. AML.
- Ann. Mines
Annales des Mines. /Paris.
GS: S(540) An75; LC: TN2. A48.
Incomplete in LC.
- Ann. Missouri Bot. Gard.
Annals of the Missouri Botanical Garden. / St.
Louis.
LC: QK1. M65.
- Ann. Mus. Col. Marseille
Annales du Musée Colonial de Marseille.
LC: QK1. M39.
- Ann. Mus. Sto. Nat. Genova
Annali del Museo Civico di Storia Naturale di
Genova. / Genova.
LC: QH7. G3.
- Ann. N. Y. Acad. Sci.
Annals of the New York Academy of Sciences.
LC: Q11.N5.
Until 1890: Lyceum of Natural History.
- Ann. Naturhist. Mus. Wien
Annalen des Naturhistorischen Museums in Wien
(Annalen des K. K. Naturhistorischen Hofmuseums in Wien).
LC: QH5. V815.
Title varies.
- Ann. R. Bot. Gard. Peradeniya
Annals of the Royal Botanical Gardens, Peradeniya.
/Colombo, London.
DA: 451 P.41
LC: QK1. C37.
- Ann. Dept. Dept. Agr. Mauritius
Colony of Mauritius. Annual Report of the Department of Agriculture. / Port Louis.
DA: 24 M443A; LC: S338. M3 A4.
- Ann. Rept. R. Soc. Sci. Mauritius
Royal Society of Arts and Sciences, Mauritius.
Annual Report.
LC: Q85. M189.
Title varied, originally in French.
- Ann. Rept. Severn Wildf. Trust.
Severn Wildfowl Trust. Annual Report. /London.
Smi.: Bird Div.
- Ann. Rept. Smithsonian Inst.
Annual Report of the Smithsonian Institution. /
Washington, D. C.
LC: Q11. 566.
- Ann. Sci. Nat.
Annales des Sciences Naturelles. /Paris.
LC: QH3. A6 (1824-1833).
In 1834, serial divided into two parts: Annales
des Sciences Naturelles ... série, botanique

- (QH3. A61) and Ann. Sci. Nat. ... série, zoologie (QH3. A62).
- Ann. Sci. Nat. Bot.
See Ann. Sci. Nat.
- Ann. Sci. Nat. Zool.
See Ann. Sci. Nat.
- Ann. Soc. Ent. Belgique
Annales de la Société Entomologique de Belgique.
/Bruxelles.
LC: QL461. S4.
- Ann. Soc. Ent. France
Annales de la Société Entomologique de France.
/Paris.
LC: QL461. S6.
- Ann. Soc. Sci. Nat. Charente-Maritime
Annales de la Société des Sciences Naturelles de la Charente-Maritime.
GS: 8(540) R67.
- Ann. Wien. Mus. Naturgesch.
Annalen des Wiener Museums der Naturgeschichte.
LC: QH5. V8.
- Annot. zool. Jap.
Annotationes zoologicae Japonenses. /Tokyo.
LC: QLI. A5.
Published by Zoological Society of Japan.
- Anthropos
Anthropos; ephemeris internationalis ethnologica et linguistica.
LC: GNI. A7.
Place of publication varies.
- Anthropos Ethn. Bibl.
Anthropos Ethnologische Bibliothek. /Münster.
LC: GNI. A73.
- App. Jour. N. Z. Home Repr.
Appendix to the Journals of the House of Representatives of New Zealand. Parliament of New Zealand. /Wellington.
LC: J941. K3.
- Arb. Bot. Inst. Akad. Braunsb.
Arbeiten am dem botanischen Institut der Kgl. Akademie (vorm. Kgl. Lyceum Hosianum) in Braunschweig, Ostpreussen.
NYBG
Title varies.
- Arb. Gesundheit.
Arbeiten aus dem Kaiserlichen Gesundheitsamte. /Berlin.
AML
- Arbeit. biol. Anst. Land-Forstw.
Arbeiten aus der Kaiserlichen biologischen Anstalt für Land- und Forstwirtschaft. /Berlin.
LC: SB673. B4.
Title varies.
- Arch. Anthrop.
Archiv für Anthropologie. /Braunschweig.
LC: GN2. D32.
- Arch. d. Seewarte
Aus dem Archiv der deutschen Seewarte. /Hamburg.
LC: QC801. H3.
- Arch. f. Naturg.
Archiv für Naturgeschichte; Zeitschrift für systematische Zoologie; neue Folge. /Leipzig.
LC: QLI. A57.
- Arch. Klaus-Stiftung
Archiv der Julius Klaus-Stiftung für Vererbungs-forschung Sozialanthropologie und Rassenhygiene. /Zürich.
LC: QH43L.A1J8.
- Arch. Med. Nav.
Archives de Médecine Navale. /Paris.
LC: RC981. A7.
- Arch. Molluskenk.
Archiv für Molluskenkunde. /Frankfurt am Main.
Smf.: Div. of Mollusks.
- Arch. Mus. Hist. Nat. Paris
Archives du Muséum d'Histoire Naturelle de Paris. /Paris.
LC: QH3. P2.
- Arch. Naturg.
Archiv für Naturgeschichte. /Berlin.
DA: 410. AR 2.
- Arch. Néerl. Zool.
Archives Néerlandaises de Zoologie. /Leiden.
LC: QLI. A65.
- Arch. Schiffs- Tropen-Hyg.
Archiv für Schiffs- und Tropen-Hygiene. /Leipzig.
AML

Archiv. Bot. Viguiar

Archives de Botanique, publiées par R. Viguiar.
/Caen.
DA: 450 Ar 25.

Ark. f. Bot.

Arkiv för Botanik utgivet av K. Svenska Vetenskapsakademien. /Stockholm.
LC: QK1. A55.
DA: 451 8v 2.

Ark. Zool.

Arkiv för Zoologi. /Stockholm.
LC: Q11. A56.

Asia

Asia. /New York.
LC: HF3119. A5.
Title varies.

Atl. Mo.

Atlantic Monthly. /Boston and New York.
LC: AP2. A8.

Atoll Res. Bull.

Atoll Research Bulletin. / Washington, D. C.
Smi.: 506. 73 A2 P1175.
Mimeographed publication issued by the Pacific Science Board, National Research Council (1951--).

Atti Soc. Tosc. Sci. Nat.

Atti della Società Toscana di Scienze Naturali residente in Pisa. Memorie.
LC: QH7. 867.

Atti Soc. Tosc. Sci. Nat. Proc. verb.

Atti della Società Toscana di Scienze Naturali residente in Pisa. Processi verbali.
LC: QH7. 868.

Audubon Mag.

Audubon Magazine (formerly Bird-Lore). /New York.
LC: QL671. A82.

Auk

The Auk; a Quarterly Journal of Ornithology. /Lancaster, Pa.
LC: QL671. N9.
"Continuation of the Bulletin of the Nuttall Ornithological Club."

Aus allen Weltt.

Aus allen Welttheilen; illustrierte Monatshefte für Länder- und Völkerkunde und verwandte

Fischer. /Leipzig.

LC: G1. A8.

Ausland

Das Ausland; Ueberschau der neuesten Forschungen auf dem Gebiete der Natur-, Erd-, und Völkerkunde. /Augsburg.
LC: G1. A9.

Anstr. Avian Rec.

The Austral Avian Record. /London.
Smi.: Bird Div.

Anstr. Jour. Sci.

The Australian Journal of Science. /Sydney.
LC: Q1. A77.

Anstr. Mus. Mag.

The Australian Museum Magazine. /Sydney.
LC: QH1. A986.

Anstr. Zool.

The Australian Zoologist. /Sydney.
LC: Q11. A87.

Austral. Geogr.

The Australian Geographer. /Sydney.
LC: G1. A93.

Australas. Assoc. Adv. Sci.

Report of the ... meeting of the Australasian Association for the Advancement of Science [include Proceedings or Transactions of Sections]. /Sydney.
LC: Q93. A9.

Apparent place of publication on title page may be merely place where printing was done. From 1930, Australian and New Zealand Association

Australian Mus. Mem.

Australian Museum, Sydney. Memoir.
LC: QH1. A9853.

Baessler-Archiv

Baessler-Archiv, Beiträge zur Völkerkunde /Leipzig und Berlin.
LC: GN1. B3, Folio.

Beih. Bot. Centralbl.

Beihäfte zum botanischen Centralblatt. /Cassel, later Dresden.
LC: QK1. B61. DA: 450B 85B.

Place of publication varies.

Beitr. Kolon. Politik u. Kol. Wirtsch.

Beiträge zur Kolonialpolitik und Kolonialwirtschaft.

- Koloniale Monatsblätter. /Berlin.
LC: JV5. K6.
Title varied: Zeitschrift für ...
- Ber. d. Bot. Ges.
Berichte der deutschen botanischen Gesellschaft.
/Berlin.
LC: QK1. D4; DA: 451 D48.
- Ber. Senckenb. naturf. Ges.
Bericht über die Senckenbergische naturforschende
Gesellschaft in Frankfurt am Main.
LC: QH5. S4.
- Berlin. Ent. Zeitschr.,
Berliner Entomologische Zeitschrift. /Berlin.
LC: QL461. B5.
Title varied: 1875-1880, Deutsche Ent.
Zeitschr.
- Biologe
Der Biologe. /München.
LC: QH301. B36.
- Bird-Lore
Bird-Lore; an illustrated bi-monthly magazine
devoted to the study and protection of birds.
/Harrisburg, Pa.; New York.
LC: QL671. A82.
- Bishop Mus. Bull.
Bernice P. Bishop Museum Bulletin. /Honolulu.
LC: GN670. B4.
- Bishop Mus. Mem.
Memoirs of the Bernice P. Bishop Museum. /Honolulu.
LC: GN670. B5.
- Bishop Mus. Spec. Pub.
Bernice P. Bishop Museum Special Publications.
/Honolulu.
LC: Listed by authors.
- Bl. Aqu. Terr. -Kunde
Blätter für Aquarien- und Terrarien - Kunde.
/Magdeburg.
Leiden Mus.
- Blackwood's Mag. London
Blackwood's Magazine. /London, Edinburgh.
LC: AP4. B6.
Title varies: Blackwood's Edinburgh Magazine.
- Blumea
Blumea (A journal of plant-taxonomy and plant-
geography). /Leiden.
- LC: QK1. B18; DA: 450 B62.
- Bois For. Trop.
Bois et Forêts des Tropiques. /Paris.
DA: 99. 8 B632.
- Bol. Soc. Geogr. Lisboa
Boletim da Sociedade de Geographia de Lisboa.
LC: G27. S5.
- Bol. Soc. Geogr. Madrid
Boletín de la Sociedad geografica de Madrid.
LC: G27. S6.
- Bol. Soc. Venez. Ciencias Nat.
Boletín, Sociedad venezolana de ciencias natura-
les. /Caracas.
DA: 516 C172; LC: Q47. S663.
- Boston Jour. Nat. Hist.
Boston Journal of Natural History ... Boston
Society of Natural History.
LC: QH1. B649.
- Bot. and Zool.
Botany and Zoology (Shokubutsu oyobi Dōbutsu).
/Tokyo.
AA; DA: 410 B65.
Incomplete in DA.
- Bot. Centralbl.
Botanisches Centralblatt. Referirendes Organ für
das Gesamtgebiet der Botanik des In- und Auslan-
des. /Cassel, later Iena.
LC: QK1. B6; DA: 450 B65.
Place of publication and title vary (Zentralbl.)
- Bot. Gaz.
The Botanical Gazette. /Chicago.
LC: QK1. B3.
- Bot. Jahrb.
Botanische Jahrbücher für Systematik, Pflanzen-
geschichte und Pflanzengeographie herausgegeben
von A. Engler. /Leipzig.
DA: 450 En 3B; Smi.: Botany Div.
- Bot. Jahrb. (Littber.)
Separately paged section in early volumes of
preceding entry with reviews of literature, en-
titled Litteraturbericht.
- Bot. Mag.
The Botanical Magazine; or, flower-garden dis-
played ... /London.
LC: QK1. C9; DA: 450. C94.

- Called Curtis' Bot. Mag. from 1801 on.
- Bot. Mag. (Tokyo)**
The Botanical Magazine, Tokyo Botanical Society. /Tokyo.
DA: 450 B 651; Sml.: Botany Div.
- Bot. Misc. Hook.**
Botanical Miscellany; containing figures and descriptions of such plants as recommend themselves by their novelty, rarity or history--with occasional botanical notices and information, W. J. Hooker ed. / London.
LC: QK1.H7.
Succeeded by Jour. Bot. Hook.
- Bot. Mus. Leaflet. Harvard Univ.**
Botanical Museum Leaflets, Harvard University.
DA: 451 H 252; LC: QK1. H35.
- Bot. Rev.**
The Botanical Review. / New York.
LC: QK 1. B395.
- Bot. Zeit.**
Botanische Zeitung. / Leipzig.
DA: 450 B 655.
- Brookl. Bot. Gard. Rec.**
Brooklyn Botanic Garden, Record.
DA: 451 B 79 R.
- Brotéria zool.**
Brotéria; série zoológica. / Braga.
LC: QH7. B874.
- Bryol.**
The bryologist, an illustrated bimonthly devoted to North American mosses, hepatics and lichens. /Brooklyn, N. Y.
LC: QK534. B9 ; DA: 450 B84.
- Bull. AFAS**
Bulletin de l'Association Française pour l'Avancement des Sciences. /Paris.
LC: Q46. A765.
- Bull. Agence gale. Coi.**
Bulletin de l'Agence générale des Colonies. / Paris.
Paris Mus:
- Bull. Am. Met. Soc.**
Bulletin of the American Meteorological Society.
LC: QC851. A6.
Place of publication varies.
- Bull. Am. Mus. Nat. Hist.**
Bulletin of the American Museum of Natural History. / New York.
LC: QH1. A4; G6; DA: 500 N483 B
- Bull. Ann. Soc. Ent. Belgique**
Bulletin et Annales de la Société Entomologique de Belgique. /Bruxelles.
Sml.: Insect Div.
- Bull. Biogeogr. Soc. Japan**
Bulletin of the Biogeographical Society of Japan. / Tokyo.
AA; LC: QH7. B45.
Incomplete in LC.
- Bull. Biol. France Belg.**
Bulletin biologique de la France et de la Belgique. / Paris.
LC: QH3. B9.
- Bull. British Ornith. Club**
Bulletin of the British Ornithologists' Club. /London.
Sml.: Bird Div.
- Bull. Calif. Acad. Sci.**
Bulletin of the California Academy of Sciences. /San Francisco.
LC: Q11. C15.
- Bull. Dept. Agr. Fiji**
Department of Agriculture, Fiji; bulletin. / Suva.
DA: 25 F47 B.
- Bull. Dept. Agr. Seychelles**
Bulletin du Département de l'Agriculture et de la Pêche -- Colony of Seychelles. / Victoria, Mahé, Seychelles.
DA: 25 Se 92.
- Bull. Ecol. Soc. Am.**
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Place of publication varies.
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Bulletin Economique de l'Indochine. /Hanoi.
LC: HC441. A4.
- Bull. Ent. Res.**
Bulletin of Entomological Research. / London.
LC: QL461. B85; Sml. Insect Div.
- Bull. Géogr. Hist. Descr.**
Bulletin de Géographie Historique et Descriptive.

- / Paris.
LC: G11. F8.
- Bull. Geol. Soc. Am.**
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/ New York.
LC: QEL. G2.
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LC: QEL. G2295; GS: G (610) G29 b.
Place of publication varies.
- Bull. Imp. For. Exp. Sta. Tokyo.**
Bulletin of the Imperial Forestry Experiment
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DA: 99.8 R47.
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LC: HC245. I2.
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LC: GCI. I45.
Earlier title: Bulletin du Musée Océan. de
Monaco.
- Bull. Jard. Bot. Bruxelles**
Bulletin du Jardin Botanique de l'Etat, Bruxelles.
LC: QK1. B9; DA: 451 B83B.
- Bull. Jard. Bot. Buitenzorg**
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LC: QK1. B976; DA: 451 B86B.
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DA: 107.6 K111.
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LC: Q11. H3.
- Bull. Mus. Hist. Nat. Paris**
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LC: QH3. P22.
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GS: S (620) T7b.
- Continuation of Bull. Tokyo Sci. Mus.
- Bull. N. Y. Zool. Soc.**
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LC: Q11. N5.
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/ Tokyo.
LC: Orientalia Jap.
- Bull. Nuttall Club**
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Bulletin no. ... / Djakarta.
GS: S (910) qN29b.
- Bull. Raffles Mus.**
Bulletin of the Raffles Museum. / Singapore.
LC: QL319. R3; Smi.: 507. 595 R13.
- Bull. Sci. Acad. Sci. St Petersburg.**
Bulletin Scientifique publié par l'Académie
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LC: AS282. S335.
- Bull. Scripps Inst.**
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nia. / Berkeley, Los Angeles.
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DA: 513. T 5722B.
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Bulletin de la Société Académique de Brest.
LC: DC611. B841 S3.
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Bulletin de la Société Botanique de France.
/ Paris.
LC: QK1. S66; DA: 451 F84B.
- Bull. Soc. Ent. France**
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/ Paris.
LC: QL461. S61.

- Bull. Soc. Et. Océan.**
Bulletin de la Société d'Etudes Océaniques.
/Papeete.
LC: DU510. A1 S6.
- Bull. Soc. Géogr. Comm.**
Bulletin de la Société de Géographie Commerciale de Paris.
LC: G11. S46.
- Bull. Soc. Géogr. Comm. Bordeaux**
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LC: G11. S44.
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LC: G11. S5.
- Bull. Soc. Géogr. Est**
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/Nancy.
LC: G11. S56.
- Bull. Soc. Géogr. Lille**
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LC: G11. S6.
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LC: G11. S64.
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Bulletin de la Société de Géographie de Marseille.
LC: G11. S67.
- Bull. Soc. Géogr. Paris**
Bulletin de la Société de Géographie. / Paris.
LC: G11. S4.
- Bull. Soc. Hist. Nat. Toulouse**
Bulletin de la Société d'Histoire Naturelle de Toulouse.
LC: QH3. S55; Sml.: 506. 44 S 628.
- Bull. Soc. Linn. Normandie**
Bulletin de la Société Linnéenne de Normandie.
/Caen.
LC: QH3. S75.
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/Paris.
DA: 451 P213.
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LC: G29. S7.
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LC: Q46. P2.
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/Bruxelles.
LC: G19. S67.
- Bull. T. H. Div. Hydr.**
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Bulletin. /Honolulu.
LC: GB332. H4 A4; GS: 789 (950) H32 b.
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LC: Orientalia Jap. nos. 57-67, incomplete.
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With no. 25, became Bull. Nat. Sci. Mus.
- Bull. Torrey Bot. Club**
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LC: QK1. T6.
DA: 451 T 63 B.
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/Washington, D. C.
LC: SH11. A13.
- Bull. U. S. Nat. Mus.**
Bulletin of the United States National Museum.
/Washington, D. C.
LC: Q11. U6.
- Bull. Vanderbilt Mar. Mus.**
Bulletin of the Vanderbilt Marine Museum.
/Hamington, L. I., N. Y.
LC: QH1. V3.

- Bull. Volcan.**
Bulletin Volcanologique. /Naples.
LC: QE521. 5. B8.
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Byōchūgai Zasshi [Journal of Plant Protection].
/ Tokyo.
DA: 464. 9 N62.
Published by Nihon Shokubutsu Aigokai
[Japanese Plant Protection Club].
- C. R. Acad. Sci. Paris**
Comptes rendus hebdomadaires des séances de
l'Académie des Sciences. / Paris.
LC: Q46. A14.
- Calif. Acad. Sci. Occ. Pap.**
Occasional Papers of the California Academy of
Sciences. / San Francisco.
LC: Q11. C18.
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LC: G1. C3.
- Candollea**
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din botaniques de la ville de Genève.
LC: QK1. C215; DA: 451 C 16.
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Capita Zoologica.
/s'Gravenhage (The Hague).
LC: Q11. C3.
- Carnegie Inst. Pub.**
Carnegie Institution of Washington, Publications.
LC: AS32. A5.
- Carnegie Inst. Yearb.**
Carnegie Institution of Washington, Yearbook.
LC: AS32. A3.
- Challenger Reports**
Report on the Scientific Results of the Voyage of
H. M. S. Challenger during the years 1873-76.
/London.
LC: Q115. C4.
Edited by Thomson, C. W., and Murray, J.
Several series issued, designated by subject,
volumes numbered separately in each.
- Chem. Centralbl.**
Chemisches Centralblatt. /Leipzig.
LC: QD1. C7.
- China Jour.**
The China Journal. /Shanghai.
LC: DS701. C4.
- Chron. Bot.**
Chronica botanica. /Waltham, Mass.
LC: QK1. C55; DA: 450 C 46.
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Chronica Naturae. /Batavia.
LC: Q4. N25.
- CIMA Rept.**
Reports of Coordinated Investigation of Microne-
sian Anthropology, "CIMA", under the auspices
of the Pacific Science Board of the National Re-
search Council. A series of 32 manuscript reports,
dated 1948-1953, on file in the offices of the
Pacific Science Board, Washington, D. C., Ho-
nolulu. Several have been duplicated or published.
Smi.: 506. 73 A2 P118.
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LC: DS503. U55.
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LC: filed by author.
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DA: 427 Sch2 L.
Lists of new species, with bibliographic refer-
ences, different groups treated by various special-
ists, edited by S. Schenkling.
- Collecting and Breeding**
Collecting and Breeding (Saishū to Shiiku).
/ Tokyo.
LC: Orientalia Jap. 1946-1951 only.
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Communications. / Harpenden, England.
LC: S590. I52.
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Companion to the Botanical Magazine. / London.
Smi.: Botany Div. ; LC: QK1. C7, rare books.
- Condor**
The Condor; a Magazine of Western Ornithology.
/Berkeley.

- LC: QL671. C7.
- Contr. Herb. Taihoku Univ.
Contributions from the Herbarium of Taihoku Imperial University. /Taihoku, Formosa.
DA: 451 T 13 C.
- [Contr. Inst. Geol. Pal. Tohoku Univ.]
[Contributions from the Institute of Geology and Paleontology, Tohoku University]. /Sendai?, Japan.
Not seen, except for some translations in GS.
- Contr. Inst. Hort. Ec. Bot. Taihoku
Contributions from the Institute of Horticulture and Economic Botany, Faculty of Agriculture, Taihoku Imperial University.
Not seen, except for separate in Smi.
- Contr. Lab. Syst. Bot. Taihoku Univ.
Contributions from the Laboratory of Systematic Botany and Plant Ecology, Taihoku University.
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- Contr. U. S. Nat. Herb.
Contributions from the United States National Herbarium. /Washington, D. C.
DA: 450 C76; LC: QK1. U5.
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LC: QL1. C65; Smi: 590. 573.
Place of publication varies.
- Cornell Univ. Agr. Exp. Sta. Mem.
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DA: 100 N48 C.
- D. Geogr. Bl.
Deutsche Geographische Blätter. /Bremen.
LC: G1. D2.
- D. Kolon. Zeit.
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LC: JV5. D5; DA: 265 D48 (1900-1914).
- D. Kolonialbl.
Deutsches Kolonialblatt. /Berlin.
LC: JV33. G3 A3; DA: 265 D482 (1903-1914).
- D. Rundsch.
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- LC: G1. D3.
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- Dai Nihon shokubutsu-shi
Dai Nihon shokubutsu-shi [Record of Japanese Botany]. /Tokyo.
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DA: 450 D23.
- DC. Monogr. Phan.
Monographiae phanerogamarum prodromi nunc continuatio, nunc revisio, auctoribus Alphonso et Casimir de Candolle aliisque botanicis ultra memoratis. Suites au "prodromus systematis naturalis regni vegetabilis". /Paris.
DA: 452 D35 M; LC: QK97. C22.
- DC. Prodr.
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LC: QK97. C2; DA: 452 D352 P.
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Smi.: 506. 436. A315; GS: S(533)q W69.
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Dienst van den Mijnbouw in Nederlandsch-Indië Wetenschappelijke Mededeelingen. /Bandoeng.
LC: QE301. D8 A3.
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LC: AP4. D6.
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Ecological Monographs; official publication of the Ecological Society of America. /Durham, N. C.
LC: QH540. E28; DA: 410 Ec 72.
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Ecological Review. (Seiraigaku Kenkyū). /Sendai, Japan.
DA: 410 Ec 73.

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Ecology. /Brooklyn, Lancaster, Pa.
LC: QH540. E3.

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LC: S81. E3; DA: 450 Ec 7.

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LC: HF1021. E4; GS: S (200) Ec 6 g.

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LC: QE1.E15.

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Advance publication of abstracts of papers to
be delivered at the Congress, distributed to the
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Smi.: 598. 20959 E 39, Bird Div.
Mimeographed by Hawaii Audubon Society.

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Empire Forestry Journal. /London.
DA: 99. 8 Em 72.

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The Emu; official organ of the Australasian
Ornithologists' Union. /Melbourne.
Smi.: Bird Div.; LC: QL671. E5.

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Society of Japan. /Kyoto.
Smi.: Insect Div.

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The Entomologist's Monthly Magazine. /London.
LC: QL461. E98; Smi.: Insect Div.

Ent. News

Entomological News and Proceedings of the
Entomological Section of the Academy of Natu-
ral Sciences of Philadelphia.
Smi.: 595. 70573, Insect Div.
After 1925, Entomological News; now published

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Pa.

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LC: QL461. E9.

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AGS: 561
Incomplete in AGS.

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Historical Collections, Essex Institute, Salem,
Mass.
LC: F22. E7 E81.

Et. Mélan.

Etudes Mélanésiennes. /Nouméa.
CY: B1 2. 050; LC:

Ethnol. Notizbl.

Ethnologisches Notizblatt. /Berlin.
LC: GN1. E85; CY: Nk 10. Et5.

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Kongliga Svenska Fregatten Eugenies Resa Omkring
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Botanik. / Stockholm.
Acad. Sci. Phila.

Eugenies Resa Vet. Inskr.

Kongliga Svenska Fregatten Eugenies Resa
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LC: Q115. V8.
See Anon. 1857, often regarded as edited by
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LC: Q11. F37.

Festschr. E. Strand

Festschrift zum 60 Geburtstag von Professor
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DA: 411 St 83 F.
5 vols., 1936-1939.

Field Mus. Nat. Hist. Bot. Ser.

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LC: QK1. F4; Smi.: 509. 73 M; DA: 500 C
432 B.
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- Field Columbian Museum Publications, Botany.**
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LC: QL671. F4.
- Fieldiana: Anthropology**
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History Museum.
LC: GN 2. F4.
- Fieldiana Zool.**
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Museum.
LC: QLI. F4; Smi.
- Fiji Leg. Pap.**
Colony of Fiji. Legislative Council Papers.
/ Suva.
LC: J961. H3.
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Transactions and Proceedings of the Fiji Society
of Science and Industry. /Suva.
Pacific Science Board; Smi.
- Fl. Pomol.**
The Florist and Pomologist: a pictorial monthly
magazine of flowers, fruits and general horticul-
ture. / London.
DA: 80 F 663.
- Fl. Serr. Jard. Eur.**
Flore des Serres et des Jardins de l'Europe.
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DA: 80 F 662.
- Flora**
Flora oder allgemeine botanische Zeitung.
/ Regensburg, Jena.
DA: 450 F66; LC: QK1. F33.
Place of publication varies; incomplete in LC.
- For. Agr.**
Foreign Agriculture. Office of Foreign Agricultu-
ral Relations, USDA. / Washington, D. C.
LC: HD101. F6.
- Formosan Agr. Rev.**
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DA: 22. 5 F 76.
- Fortn.**
The Fortnightly. / London.
LC: AP4. F7.
- 14th Int. Geol. Congr.**
Les réserves mondiales en phosphates.
GS: 443 In8r; DA: 398 In8.
2 volumes of papers by various authors com-
piled for the 14th International Geological Con-
gress, Madrid, 1926, published in 1928.
- Friend**
The Friend: a journal devoted to temperance,
seaman, marine and general intelligence.
/ Honolulu.
LC: BV2660. F7.
- Frontiers**
Frontiers. / Academy of Natural Sciences of
Philadelphia.
GS: S (223) q F92; LC: QH1. F78.
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Gakugei Zasshi, or, La Buiteno scienza de'la
Fakultato terkultura Kjusu Imperia Univernitato,
Fukuoka Japannjo. /Fukuoka.
DA: 107. 6 K995 B
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The Gardener's Chronicle. A weekly illustrated
journal of agriculture and allied subjects. /Lon-
don.
LC: SB4. G3; DA: 80 G162.
- Garden**
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horticulture in all its branches. /London.
DA: 80 G 16.
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Garten-Zeitung. Monatschrift (Wochenschrift)
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DA: 80 G 198.
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Pflanzenkunde. Begründet von Eduard Regel.
/ Berlin.
DA: 80 G 19; LC: SB10. G28.
Subtitle varies; incomplete in LC.
- Genera Insectarum**
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DA: 422 W99.

A series of systematic monographs on insects,
by various specialists, edited by P. Wytsman.

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Le Génie Civil. /Paris.
LC: TA2. G3.

Géogr.

La Géographie. /Paris.
LC: G1. 24.
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Geogr. Jour.

The Geographical Journal. /London.
LC: G7. B91; DA: 473 G 29.

Geogr. Jahrb.

Geographisches Jahrbuch. /Gotha.
LC: G1. G4.

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Geographische Kulturkunde. /Leipzig.
CY: Nhs 32. 944f.
Series of excerpts from travel accounts, Probenius, L., ed. One volume only, 1904.

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LC: G1. G94 (1874-1878); G1. G943 (1935 to date).
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LC: G1. G35.

Geogr. Zeitschr.

Geographische Zeitschrift. /Leipzig.
LC: G1. G37.

Geographia

Geographia. /Paris.
GS: S (542) G 275; LC:

Geol. Mag.

The Geological Magazine. /London.
LC: QH. G15.

Globus

Globus. Illustrierte Zeitschrift für Länder- und Völkerkunde. /Braunschweig.
LC: G1. G57.

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GS: S (539) qG53.

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LC: A9284. G7.

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LC: AP4. G7.

Gr. Brit. Ann. Col. Rept.

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Guam Agricultural Experiment Station, Annual Report. /Washington, D. C.
DA: 1 Ex 67.

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DA: 1 Ex 67; UH: A.10 22¹

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DA: 1 Ex 67; UH: A 10. 22³

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LC: DU447. A28.

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Not seen. Published by Nanyō Chō Sangyō Shihanjō Nai, Gumtō Sangyō Kenkyūkai [South Sea Islands Industrial Research Society of the South Sea Government Industrial Experiment Station].

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Not seen, except for reprints.

Hamburg. Gart. Blumenseit.

Hamburger Garten- und Blumenseitung. Zeitschrift für Garten und Blumenfreunde, Kunst- und Handelsgärtner.
DA: 89 H 17.

Hancock Pac. Exped.

Allan Hancock Pacific Expedition. University of Southern California. /Los Angeles.

- LC: Q115. L66.
- Haw. Club Pap.
Hawaiian Club Papers. / Boston.
LC: DU620. H3.
- Hawaii Agr. Exp. St. Bull.
Hawaii Agricultural Experiment Station, Honolulu, Hawaii; Bulletin.
LC: 8399. H3.
- Hawaii Bd. Agr. For. Bot. Bull.
Territory of Hawaii; Board of Agriculture and Forestry; Division of Forestry; Botanical Bulletin. / Honolulu.
LC: QK473. H4 A5.
- Hawaii Nat. Notes
Hawaii Nature Notes. Publication of the Naturalist Division, Hawaii National Park, Hawaii Natural History Association.
GS: 220 (920) M14v.
Incomplete in GS and LC. Complete set in Park Naturalist's Office, National Park Service.
- Hawaiian Annual
The Hawaiian Annual; T. G. Thrum, compiler and publisher. / Honolulu.
LC: DU621. T5.
Title varied: Hawaiian Almanac and Annual.
- Hawaiian For. Agr.
The Hawaiian Forester and Agriculturist. / Honolulu.
LC: 817. H3.
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LC: SB215. H4; DA: 25 H 311.
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LC: DU620. H5.
Only two volumes published.
- Hedwigia
Hedwigia. Ein Notizblatt für kryptogamische Studien. / Dresden.
DA: 450 H 35; LC: QK1. H4.
- Hikobia
Hikobia; Journal of the Hiroshima botanical club. Sml.: 580. 852 H63.
- Hook. Ic.
Icones Plantarum; or figures, with brief descriptive character and remarks, of new or rare plants, selected from the author's herbarium. W. J. Hooker ed. / London.
LC: QK98. H8. DA: 450 H 761.
- Hook. Jour. Bot. Kew Miscel.
Hooker's Journal of Botany and Kew Garden Miscellany. / London.
LC: QK1. H7; DA: 450 H 76 Lh.
Successor to the London Journal of Botany.
- Human Organization
Human Organization. / New York.
LC: GM1. H83.
- Hydrogr. Bull.
Hydrographic Bulletin (Suirei yobō) / Tokyo.
LC: Orientalia Jap.: 565.06 K13; GS: P (620) H99 b.
- Hydrogr. Mitt.
Hydrographische Mittheilungen. / Berlin.
LC: VK798. A6.
Early title of Annalen der Hydrographie ... which see.
- Hyōgo-ken Chūto kyōiku Hakubutsu-gaku Zasshi
Hyōgo-ken Chūto kyōiku Hakubutsu-gaku Zasshi [Natural History Magazine of the Hyogo Prefecture Middle School].
Not seen.
- Ibis
The Ibis, a quarterly Journal of Ornithology. / London.
LC: QL671. H2.
- Ill. Hort.
L'illustration horticole. Journal international populaire de l'horticulture dans toutes ses branches. / Bruxelles.
DA: 80 I 16.
- Illustr.
L'illustration. / Paris.
LC: AP20. I3.
- Ind. Mercur
De Indische Mercur. Organ voor Handel, Landbouw, Nijverheid en Mijwesen in Nederlandch-Oost- en West-Indië. / Amsterdam.
Amsterdam Inst. Trop.
- Ind. Schol. Gymn. Hamburg.
Index Scholarum in Gymnasio Hamburgensium Academico. / Hamburg.

- NYBG.**
Title varies.
- Indian Mus. Notes**
Indian Museum Notes. / Calcutta.
LC: SB903. 14.
- Ins. Matsum.**
Insecta Matsumurana; issued by the Entomological Institute, Hokkaido Imperial University, Sapporo.
Smi.: Insect Div.; DA: 421 In 77.
- Insect World**
The Insect World (Konryū Sekai). / Gifu, Japan.
Smi.: Insect Div.; DA: 421 In 7.
Published by Nawa Entomological Laboratory.
Institute of Nawa Entomological Laboratory
- Inst. Brit. Geogr. Trans. Pap.**
The Institute of British Geographers Transactions and Papers. / London.
GS: S (520) Inl b.
- Inst. Océanogr. Indochine Note**
Institut Océanographique de l'Indochine. Notes. / Saigon.
Paris Mus.: Pr 1879.
- Int. Arch. Ethn.**
Internationales Archiv für Ethnographie. / Leiden.
LC: GNI. 16.
- Iris**
Iris, deutsche entomologische Zeitschrift. / Dresden.
LC: QL641. I7.
- J. Murray Exp. Rept.**
The John Murray Expedition, 1933-1934. Scientific reports. / London.
GS: 562 q M96Sr.
- Jahrb. Bot. Gard. Berlin**
Jahrbuch des Königlichen botanischen Gartens und des botanischen Museums zu Berlin. / Berlin.
DA: 451 B45J.
- Jahrb. Hamb. Wiss. Anst.**
Jahrbuch der Hamburgischen Wissenschaftlichen Anstalten. / Hamburg.
Smi.: 506. 43 J25; LC: Q49. H47.
- Jahresb. Schles. Ges. Vaterl. Cult.**
Jahres-Berichte der Schlesischen Gesellschaft für Vaterländische Cultur. / Breslau.
LC: AS182. S5.
- Jap. Jour. Bot.**
Japanese Journal of Botany, National Research Council of Japan. / Tokyo.
DA: 450 J27.
- Jap. Jour. Ethn.**
Japanese Journal of Ethnology (Minzokugaku Keakyū). / Tokyo.
Harvard, Peab. Mus.: L. Soc. 69. 142. 25. 49;
LC: Orientalia Jap.
Incomplete in LC.
- Jap. Jour. Limnology**
Japanese Journal of Limnology (Rikusui-gaku Zasshi). / Tokyo.
Not seen.
- Jap. Jour. Physiol.**
Japanese Journal of Physiology (Nihon Serigaku Zasshi). / Tokyo.
Not seen.
- Jour. Acad. Nat. Sci. Phila.**
Journal of the Academy of Natural Sciences of Philadelphia.
LC: QH1. A19.
- Jour. Anthr. Inst. Gt. Brit.**
Journal of the Anthropological Institute of Great Britain and Ireland. / London.
LC: GN2. A3.
Title varies.
- Jour. Anthropol. Soc. Nippon**
Journal of the Anthropological Society, Nippon (Jinrui-gaku Zasshi). / Tokyo.
Harvard, Peab. Mus.: L. Soc. 69. 142.
- Jour. Arnold Arb.**
Journal of the Arnold Arboretum. / Cambridge, Mass.
LC: QK475. A3; DA: 451 A26J.
- Jour. Asiat. Soc. Bengal**
Journal of the Asiatic Society of Bengal. / Calcutta.
LC: AS472. B3; new series from 1905: AS472. B33.
- Jour. Bombay Nat. Hist. Soc.**
The Journal of the Bombay Natural History Society.

- LC: QH1. B61.
- Jour. Bot.**
The Journal of Botany, British and Foreign.
/ London.
DA: 450 J82; LC: QK1. H7; Smi.
- Jour. Coll. Sci. Imp. Univ. Tokyo**
Journal of the College of Science, Imperial
University of Tokyo.
DA: 513 T57; LC: Q77. T6.
- Jour. Conch.**
Journal de Conchyliologie / / Paris.
Smi.: Div. of Mollusks.
- Jour. Dept. Agr. Kyushu Univ.**
Journal of the Department of Agriculture, Kyushu
University. / Fukuoka.
DA: 107.6 K995.
- Jour. Dept. Agr. Vict.**
The Journal of the Department of Agriculture of
Victoria. / Melbourne.
DA: 23 V66J.
- Jour. Dept. Agr. W. Austr.**
Journal of the Department of Agriculture of
Western Australia. / Perth.
DA: 23 W52J; LC: S17. W6.
- Jour. Ecol.**
The Journal of Ecology. / Cambridge, England.
DA: 450 J829; LC: QH540. J68.
Only a few volumes in LC.
- Jour. Econ. Biol.**
The Journal of Economic Biology. / London.
LC: QH201. J7.
- Jour. Econ. Ent.**
Journal of Economic Entomology.
LC: SB599. J5.
American Association of Economic Entomolo-
gists at Menasha, Wisconsin.
- Jour. f. Bot.**
Journal für die Botanik. Herausgegeben von
Medicinalrath Schrader. / Göttingen.
DA: 450 J822.
- Jour. f. Ornith.**
Journal für Ornithologie; deutschen ornithologi-
schen Gesellschaft. / Leipzig.
LC: QL671. J8.
- Jour. Fac. Agr. Hokkaido**
Journal of the Faculty of Agriculture, Hokkaido
Imperial University. / Sendai.
DA: 107.6 J273J.
- Jour. Feder. Malay St. Mus.**
Journal of the Federated Malay States Museums
(Selangor Museum, Kuala Lumpur). / Singapore.
LC: QH1. F3.
- Jour. For.**
Journal of Forestry published by the Society of
American Foresters. / Washington, D. C.
LC: SD1. S63.
- Jour. Geogr.**
The Journal of Geography. / Chicago.
LC: G1. J87.
- Jour. Geogr. [Tokyo]**
Journal of Geography (Chigaku Zasshi).
LC: Orientalia Jap.: 450.5 C21; GS: S(620) T59.
Published by Tokyo Geographical Society.
- Jour. Geol.**
The Journal of Geology. / Chicago.
LC: QE1. J8.
- Jour. Geol. Soc. Jap.**
The Journal of the Geological Society of Japan.
/ Tokyo.
GS: G (620) T57.
- Jour. Jap. Bot.**
The Journal of Japanese Botany. / Tokyo.
DA: 450 J8223.
- Jour. Jap. For. Soc.**
Journal of the Japanese Forestry Society.
See Nihon Ringaku Kaishi, and, Ringakkai
Zasshi.
- Jour. Linn. Soc. Bot.**
The Journal of the Linnean Society of London.
Botany.
LC: QH1. L53; DA: 451 L54J.
Title varies.
- Jour. Linn. Soc. Zool.**
The Journal of the Linnean Society of London.
Zoology.
LC: QH1. L54.
Title varies.
- Jour. Malay. Br. R. Asiat. Soc.**

- Journal of the Malayan Branch of the Royal Asiatic Society.** / Singapore.
Smi.: 596. 595.
- Jour. Mus. Godeffroy**
Journal des Muséums Godeffroy. Geographische, ethnographische und naturwissenschaftliche Mittheilungen. / Hamburg.
LC: Q49. H36.
- Jour. N. Y. Bot. Gard.**
Journal of the New York Botanical Garden.
LC: QK1. N52; DA: 451 N 48 J.
- Jour. New Zeal. Inst. Hort.**
Journal of the New Zealand Institute of Horticulture.
DA: 87 N 485 J.
- Jour. of Conch.**
The Journal of Conchology. /London.
LC: QL401. J8.
- Jour. Off. Océan.**
Journal Officiel des Etablissements Français d'Océanie. /Papeete.
LC: J8. F82.
- Jour. Parasit.**
The Journal of Parasitology. /Lancaster, Pa.
DA: 448.8 J 824.
- Jour. Polyn. Soc.**
Journal of the Polynesian Society. /Wellington, N. Z.
LC: GN2. P7.
- Jour. Proc. R. Soc. N. S. W.**
Journal and Proceedings of the Royal Society of New South Wales. /Sydney.
LC: Q93. N51.
- Jour. R. Agr. Soc.**
The Journal of the Royal Agricultural Society of England. /London.
LC: 83. R8.
- Jour. R. Asiat. Soc.**
The Journal of the Royal Asiatic Society of Great Britain and Ireland. /London.
LC: AS122. L72.
- Jour. R. Geogr. Soc. London**
Journal of the Royal Geographical Society of London. /London.
LC: G7. R8.
- Jour. R. Hort. Soc.**
Journal of the Royal Horticultural Society. /London.
LC: SB4. R8.
- Jour. R. Soc. West. Austr.**
Journal of the Royal Society of Western Australia, Inc. /Perth.
LC: Q93. W5.
Title changed: formerly, Journal and Proceedings
- Jour. Sci. Hiroshima Univ.**
Journal of Science of the Hiroshima University.
LC: Q 77 H 5.
This number for ser. B, div.2, only.
- Jour. Sci. Res.**
Journal of Scientific Research. /Jakarta.
Smi.: 505. 91 J86.
- Jour. Sci. Soil and Manure**
Journal of the Science of Soil and Manure, Nippon (Nihon Dojo Hiryo-gaku Zasshi). /Tokyo.
DA: 56.8 J27
- Jour. Sed. Petr.**
Journal of Sedimentary Petrology.
GS: G(200) J84.
Place of publication varies.
- Jour. Soc. Océanistes**
Journal de la Société des Océanistes. /Paris.
LC: DU1. 8553.
- Jour. Soc. Trop. Agr. Taihoku**
Journal of the Society of Tropical Agriculture (Taihoku Imperial University) (Nettai Nōgaku Kaishi). /Taihoku, Formosa.
DA: 475 T 13.
- Jour. Tenn. Acad. Sci.**
Journal of the Tennessee Academy of Science. /Nashville, Tenn.
LC: Q11. T32; GS:
- Jour. Trans. Victoria Inst.**
Journal of the Transactions of the Victoria Institute, or Philosophical Society of Great Britain. /London.
LC: AS122. L9.
- Jour. Trop. Med. Hyg.**
The Journal of Tropical Medicine and Hygiene. /London.
DA: 448. 8 J 827.

- Jour. Voyages**
Journal des Voyages. /Paris.
LC: G161. J86.
- Jour. W. Austr. Nat. Hist. Soc.**
Journal of the West Australian Natural History Society. /Perth.
LC: Q93. W48.
Under this title only second vol.; started as Journal of Proceedings of the Mueller Botanic Society, second volume pub. with above title but no volume number; with vol. 3 a numbered series established (with the two unnumbered vols. as first two of series) under title of Journal of the Natural History and Science Society of Western Australia, later evidently changed to the Royal Society of Western Australia.
- Jour. Wash. Acad. Sci.**
Journal of the Washington Academy of Sciences. / Washington, D. C.
LC: Q11. W32; DA: 239W 272.
- K. Vet. Akad. Handl.**
Kongl. Vetenskaps-Akademiens Handlingar. /Stockholm.
LC: Q64. S84.
For later series, see Svenska Vet. Akad.
- Kagaku**
Kagaku [Science]. /Tokyo.
LC: Orientalia Jap.: 405 K 12 a.
- Kagaku Gahō**
Kagaku Gahō [Illustrated Science] (La scienca grafica Jo). /Tokyo.
LC: Orientalia Jap.: 405 K12g.
Incomplete in LC.
- Kagaku Nanyō**
Kagaku Nanyō [Science of the South Seas]. /Tokyo.
Published by [Japanese Society for the Promotion of Scientific Research], last issue by [Natural Resources Research Institute].
- Kagoshima Kōtō Nōrin Gakkō Hakubutsu Dōshi-kai kaihō.**
Kagoshima Kōtō Nōrin Gakkō Hakubutsu Dōshi-kai kaihō [Transactions of the Natural History Society of Kagoshima].
Not seen.
- Kagoshima Kōtō Nōrin Gakkō Kōyūkai-hō**
Kagoshima Kōtō Nōrin Gakkō Kōyūkai-hō [Transactions of the Kagoshima Imperial College of Agriculture and Forestry Students' Association].
Not seen.
- Kew Bull.**
Royal Botanic Gardens, Kew. Bulletin of miscellaneous information.
LC: QK1. K41; DA: 451 K 51 B.
- Komyū**
Komyū, [Insects]. /Tokyo.
DA: 421 K 833.
Published by Entomological Society of Nippon.
- Komyū Kenkyū**
Komyū Kenkyū [Study of Insects].
Only reprints seen.
- Kudoa**
Kudoa. /Taihoku, Formosa.
AA.
Reproduced by a process which duplicates handwriting.
- La Nat.**
La Nature. /Paris.
LC: Q2. N2.
- Lansania**
Lansania: Journal of Archaeology and Zoology. /Tokyo.
DA: 410 L29.
Incomplete in DA.
- Linnaea**
Linnaea. Ein Journal für Botanik in ihrem ganzen Umfang. /Berlin.
DA: 450 L 642; LC: QK1. L 75.
- Lloydia**
Lloydia, a quarterly journal of biological science. / Cincinnati.
LC: QH1. L94.
- London Jour. Bot.**
The London Journal of Botany.
LC: QK1. H7.
Succeeded by Hooker's Jour. Bot. Kew Miscel.
- Lunds Univ. Årskr.**
Acta universitatis Lundensis. Lunds Universitets års-skrift.
LC: AS284. L78; DA: 502 L97.
- Madras Fish. Dept. Rept.**
Madras Fisheries Department. Report.
LC: SH300. M2 A18.

- The reports seem to be issued as parts of the
Madras Fisheries Bulletin.
- Madras Jour. Lit. Sci.**
The Madras Journal of Literature and Science.
LC: A8472. M2.
- Mag. Nat. Hist.**
The Magazine of Natural History, and Journal of
Zoology, Botany, Mineralogy, Geology and
Meteorology. /London.
LC: QH1. M2.
Later merged with Annals of Nat. Hist. into:
Ann. Mag. Nat. Hist.
- Magazin von merkwürdigen neuen Reisebeschrei-
bungen aus fremden Sprachen überstetst und mit
erlauternden Anmerkungen begleitet.**
/Berlin.
CY: Eca 790 M.
- Malay Forester.**
The Malayan Forester. /Kuala Lumpur.
DA: 99. 8 M 292.
- Malpighia**
Malpighia. Rassegna mensuale di Botanica.
/Palermo.
DA: 450 M 29; LC: QK1. M27.
Place of publication varies.
- Man**
Man; a monthly record of anthropological
science. /London.
LC: GN1. M25.
- Marcellia**
Marcellia, Rivista internazionale di Cecidologia.
/Naples.
DA: 421 M33.
- Marine-Runschau**
Marine-Runschau. /Berlin.
LC: V3. M3.
- Mauritius Inst. Bull.**
The Mauritius Institute Bulletin. /Port Louis,
Mauritius.
- Med. Bot. Mns. Univ. Utrecht**
Mededeelingen van het Botanisch Museum en
Herbarium van de Rijks Universiteit te Utrecht.
DA: filed by authors.
- Med. Encyclop. Bur.**
Mededeelingen van het Bureau voor de Bestuurza-
ken Buitengewesten, bewerkt door het Encyclo-
paedisch Bureau. /Batavia.
NYPL: GAYE; LC: D8 613. A3.
- Med. Jour. Austr.**
The Medical Journal of Australia. /Sydney.
AML.
- Med. Naturhist. Ver.**
Mededeelingen van de Naturhistorische Vereniging.
(War-time stencilled edition). /Bogor.
A small mimeographed publication of the
Naturhistorische Vereniging voor Indonesië, in-
tended to replace De Tropische Natuur during the
the war. The latter has now resumed publication.
- Med. Rijks Herb. Leiden**
Mededeelingen van 's Rijks Herbarium, Leiden.
DA: 451 L 59.
- Meddelanden den från Göteborgs Botaniska Trädgård.**
See Acta Hort. Gotob.
- Mélanges exot.-ent.**
Mélanges exotico-entomologiques, pub. by M.
Pic. /Moulins (France).
DA: 422. P58.
- Mém. Acad. Imp. St Petersburg Savants Etrangers
Académie Impériale de St Petersburg, Mémoires
des Savants étrangers.**
Smi.: A3262. S319.
- Mem. Acad. Sci. Bruxelles**
Nouveaux Mémoires de l'Académie Royale des
Sciences et Belles-Lettres de Bruxelles.
LC: A5242. B321.
Title varies several times within series.
- Mém. Acad. Sci. Lyon**
Mémoires de l'Académie de Lyon, section
Sciences.
LC: A5163. L811.
- Mém. Acad. Sci. Paris**
Mémoires de l'Académie des Sciences de l'
Institut de France. /Paris.
LC: Q46. A13.
- Mém. Acad. Sci. St. Pétersbourg**
Mémoires de l'Académie Impériale des Sciences,
St Pétersbourg.
Smi.: 506. 47 A33.
This is Series 7 (1859-1897); others have various
titles, some of them listed here.

- Mem. Am. Acad. Arts Sci.**
Memoirs of the American Academy of Arts and Sciences. /Boston.
LC: Q11. B68.
- Mem. Boston Soc. Nat. Hist.**
Memoirs read before the Boston Society of Natural History; being a new series of the Boston Journal of Natural History.
LC: QH1. B65.
- Mem. Col. Sci. Kyoto Univ.**
Memoirs of the college of Science, Kyoto Imperial University.
LC: Q77. K7 (series A), Q77. K 72 (series B).
- Mem. Fac. Sci. Agr. Taihoku Imp. Univ.**
Memoirs of the Faculty of Science and Agriculture, Taihoku Imperial University. /Taihoku, Formosa.
LC: Q77. T32.
- Mem. Fac. Sci. Kyushu Univ.**
Memoirs of the Faculty of Science, Kyushu University. /Fukuoka, Japan.
Seen only as reprint. Series E is Biology.
- Mem. Indian Mus.**
Memoirs of the Indian Museum. /Calcutta.
LC: Q11. I35.
- Mem. Mus. Comp. Zool. Harvard**
Memoirs of the Museum of Comparative Zoölogy, Harvard University. /Cambridge, Mass.
LC: Q11. H35.
- Mem. Nat. Acad. Sci.**
Memoirs of the National Academy of Sciences. /Washington, D. C.
LC: Q11. N2.
- Mem. Polyn. Soc.**
Memoirs of the Polynesian Society. /Wellington, N. Z.
LC: filed by authors.
- Mem. R. Accad. Sci. Torino**
Memorie della Reale Accademia delle Scienze di Torino. /Torino.
LC: AS222. T61; Sm1.: 506. 45. A 177.
- Mém. Soc. Biogéogr. Paris**
Mémoires de la Société de Biogéographie de Paris.
DA: 410.9 So 123.
- Mem. Soc. Fauna Fl. Fenn.**
Memoranda Societatis pro Fauna et Flora Fennica. /Helsingfors.
DA: 511 H 365 Me; LC: QH7. S722.
- Mem. Soc. Hist. Nat. Paris**
Mémoires de la Société d'Histoire Naturelle de Paris.
LC: QH3. S53.
- Mém. Soc. Linn. Paris**
Mémoires de la Société Linnéenne de Paris.
LC: QH3. S793.
- Mém. Soc. Sci. Nat. Charbourg**
Mémoires de la Société des Sciences Naturelles de Charbourg.
LC: Q46. C5.
Title varies.
- Mem. Torrey Bot. Club**
Memoirs of the Torrey Botanical Club. /New York.
LC: QK1. T62; DA: 451 T63 M.
- Merc. Mar. Mag.**
The Mercantile Marine Magazine. /London.
LC: VK1. M43.
- Met. abstr. bibl.**
Meteorological abstracts and bibliography. /Boston.
GS: S (200) Am 576 m; LC: QC 851. A62.
Published by American Meteorological Society.
- Meteor. Monogr.**
Meteorological Monographs; American Meteorological Society. / Boston.
LC: filed by author.
- Meteor. Zeitschr.**
Meteorologische Zeitschrift. /Wien.
LC: QC851. M3.
- Micronesian Mo.**
Micronesian Monthly. /Headquarters, Trust Territory of the Pacific Islands, Honolulu.
Offset publication.
- Mid-Pac. Mag.**
Mid-Pacific Magazine. /Honolulu.
LC: DU1. M6.
- Minn. Bot. St.**
Minnesota Botanical Studies; geological and natural history survey of Minnesota. /Minneapolis.
DA: 451 M66.

- Misc. Rept. Inst. Nat. Resources**
 Miscellaneous Reports of the Research Institute
 for Natural Resources (Shigen Kagaku Kenkyū-sho
 ihd). /Tokyo.
 Not seen except for reprints and translations.
- Missouri Bot. Gard. Rep.**
 Missouri Botanical Garden Report. / St. Louis.
 DA: 451 M 69 A; LC: QK1. M41.
 Incomplete in LC.
- Mitt. Bot. Mus. Univ. Zürich**
 Mitteilungen aus dem Botanischen Museum der
 Universität Zürich.
 DA: 451. Z 82.
- Mitt. deutsch. Schutzgeb.**
 Mitteilungen aus den deutschen Schutzgebieten.
 /Berlin.
 LC: Q 115. M7.
 Title varies.
- Mitt. Geogr. Ges. Hamburg**
 Mitteilungen der Geographischen Gesellschaft
 in Hamburg.
 LC: G13. G32.
- Mitt. Geogr. Ges. Iena**
 Mitteilungen der Geographischen Gesellschaft
 (für Thüringen zu Iena). /Iena.
 LC: G13. G4.
- Mitt. Geogr. Ges. Wien**
 Mitteilungen der Geographischen Gesellschaft
 in Wien.
 LC: G9. G3.
 Title varies.
- Mitt. Mus. Völkerk. Hamburg**
 Mitteilungen aus dem Museum für Völkerkunde
 im Hamburg. Beihefte zum Jahrbuch der
 Hamburgischen Wissenschaftlichen Anstalten.
 Sml.: 506.43 J25.
- Mitt. Naturh. Mus. Hamburg**
 Mitteilungen aus dem Naturhistorischen Museum
 in Hamburg.
 Sml.: 506.43 J 25; LC: Q49. H47.
 Published as supplement (Beiheft) to "Jahrbuch
 der Hamburgischen Wissenschaftlichen Anstalten"
 and filed with it in LC.
- Mitt. Naturw. Ver. Steiermark**
 Mitteilungen des Naturwissenschaftlichen Vereines
 für Steiermark. /Graz.
 LC: Q44. S8.
- Mitt. ornith. Ver. Wien**
 Mitteilungen des ornithologischen Vereines in
 Wien.
 LC: QL671.D7.
- Mitt. Ver. Erdk. Leipzig**
 Mitteilungen des Vereines für Erdkunde zu Leipzig.
 LC: G13. G 57.
 After 1910 Verein changed to Gesellschaft.
- Mitt. Zool. Mus. Berlin**
 see Mitt. zool. Sammlung Mus. Naturk. Berlin.
- Mitt. Zool. Mus. Hamburg**
 Mitteilungen aus dem zoologischen Staatinstitut
 und zoologischen Museum in Hamburg.
 Sml.: 506.43 J25; LC: QL1.H23.
 Title varies; vols. 1-28 publ. in Jahrb. Hamb.
 Wiss. Anst. or as "Beihefte" of same.
- Mitt. zool. Sammlung Mus. Naturk. Berlin**
 Mitteilungen aus der zoologischen Sammlung des
 Museums für Naturkunde in Berlin.
 LC: QL1. B38.
 Title varies.
- Mittheil. Bot.**
 Mitteilungen aus dem Gesamtgebiete der
 Botanik. /Leipzig.
 NYBG: 589. 8 M69.
- Monatsb. Akad. Wissensch. Berlin**
 Monatsberichte der Königlich Preussischen
 Akademie der Wissenschaften zu Berlin.
 LC: AS182. B35.
 Title varies.
- Monatschr. Ver. Gartenb. Preuss.**
 Monatschrift des Vereines zur Beförderung des
 Gartenbaues in den Königl. Preuss. Staaten und
 der Gesellschaft der Gartenfreunde Berlins.
 /Berlin.
 LC: SB10.V4.
- Mo. Rev. Wellington**
 Monthly Review. /Wellington.
 Bish.
- Monthly Weather Rev.**
 Monthly Weather-Review. /Washington, D. C.
 LC: QC 983. A2.
 Published by U. S. Weather Bureau.
- Monthly Weather Rev. Suppl.**
 Monthly Weather Review Supplement. /Washing-
 ton, D. C.

- LC: QC983. A21.
- Mus. Pict.**
Museum Pictorial. /Denver, Colo.
Smi.: 567:73 C7 C888; LC:
Published by Denver Museum of Natural History.
- Mus. Senckenb.**
Museum Senckenbergianum. Abhandlungen aus dem Gebiete der beschreibenden Naturgeschichte von Mitgliedern der Senckenbergischen naturforschenden Gesellschaft in Frankfurt am Main.
LC: QH5. 843.
- Mushi**
Mushi. /Fukuoka.
DA: 421 M97.
Published by Fukuoka Entomological Society.
- Mycologia**
Mycologia. /New York Botanical Garden.
LC: QK609. M8.
DA: 459 M99.
Subtitle varies.
- N. Arch. Mss. Sci. Lit. Paris**
Nouvelles Archives des Missions Scientifiques et Littéraires. /Paris.
LC: AS 162. F8.
- N. Arch. Mus. Hist. Nat. Paris**
Nouvelles Archives du Muséum d'Histoire Naturelle. /Paris.
LC: QH3. F2.
- N. Guin. n. s.**
Nova Guinea: a journal of botany, zoology ... New Series. /Leiden.
LC: QH1. N885.
- N. Guinea Agr. Gaz.**
The New Guinea Agricultural Gazette. /Rabaul.
DA: 23 N453.
- N. Z. Geogr.**
The New Zealand Geographer. /Christchurch.
LC: G55. N45.
- N. Z. Jour. Sci. Tech.**
The New Zealand Journal of Science and Technology. /Wellington.
LC: Q1. N55.
- Nakai Icon.**
Iconographia plantarum Asiae Orientalis, T. Nakai ed. /Tokyo.
- AA; DA: 400.14 N14.
- Nankyo**
Nankyo Series. /Palau.
Excerpted from Sangyō no Nanyō. In Japanese. Copy seen in personal library of Y. Ashizawa, Tokyo.
- Nanyō Kyōkai Zasshi**
Nanyō Kyōkai Zasshi [Journal of the South Sea Association]. /Tokyo.
Not seen. Japanese title varies.
- Nat. Appl. Sci. Bull. Univ. Philip.**
Natural and Applied Science Bulletin, University of the Philippines. /Manila.
LC: Q1. M25.
- Nat. Geogr. Mag.**
National Geographic Magazine. /Washington, D.C.
LC: G1. N27; DA: 470 N 313.
- Nat. Hist.**
Natural History, the Magazine of the American Museum of Natural History. /New York.
LC: QH1. N13.
Replaced American Museum Journal.
- Nat. Hist. Bull. (Hawaii Nat. Park)**
Natural History Bulletin. /Hawaii National Park
LC: QH198. H3 A33.
Mimeographed.
- Nat. Hist. Rev.**
The Natural History Review. /London, Dublin.
LC: QH1. N2.
- Nat. Sci.**
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LC: QH1. N35.
- Nat. Tijdschr. N. I.**
Naturkundig Tijdschrift voor Nederlandsch-Indië. /Batavia.
LC: Q4. N25.
Continued by Chronica Naturae.
- Nat. Sci. and Mus.**
Natural Science and Museum (Shizen Kagaku to Hakubutsu-kan). /Tokyo.
NYBG: V.o.7.952. T571.
- Natur**
Die Natur. Zeitung zur Verbreitung naturwissenschaftlicher Kenntnisse und Naturanschauung für

- Leser aller Stände. /Halle.**
 LC: Q3. N2.
- Natur u. Volk**
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 LC: QH5. S4.
- Nature**
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 /London, New York.
 LC: Q1. N2.
- Naturen**
 Naturen: Illustraert Maanedskrift for Populaer Naturvidenskap. /Bergen.
 LC: Q4. N15.
- Naturw. Wochenschr.**
 Naturwissenschaftliche Wochenschrift. /Berlin, Jena.
 LC: Q3. N9.
- Naut. Mag.**
 Nautical Magazine and Naval Chronicle. /London.
 LC: V1. N25.
 Title varies.
- Nautilus**
 The Nautilus; a quarterly devoted to the interests of conchologists. /Philadelphia.
 LC: QL401. N25.
- Nav. Chron.**
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 LC: V1. N3.
- Ned. Zeewesen**
 Tijdschrift van de vereeniging het Nederlandsche Zeewesen. /The Hague.
 Amsterdam Inst. Trop.
- Nederl. Kruidk. Arch.**
 Nederlandsch Kruidkundig Archief. /Amsterdam.
 LC: QK1. N37; DA: 451 N28.
- Nettai Engel**
 Nettai Engel (Tropical Horticulture). /Taihoku.
 DA: 80 T75.
- Nettai sangyō Kenkyū-sho ihō**
 Nettai sangyō Kenkyū-sho ihō. [Bulletin of the Tropical Industries Institute, Palau].
 Not seen.
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 DA: 80 H17.
 Vol. 8 to 46; Hamburg. Gart. Blumenzeit.
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 The New Phytologist. /London; New York.
 LC: QK1. N45; GS: S(520) N42.
- Nihon Gakujutsu Kyōkai Hōkoku**
 Nihon Gakujutsu Kyōkai Hōkoku [Proceedings of the Japanese Association for the Advancement of Science]. /Tokyo.
 DA: 513 J273; LC: Orientalia Jap.
- Nihon no Kōchū**
 Nihon no Kōchū [Beetles of Japan]. /Tokyo.
 DA: 420 N62.
 Published by Entomological Laboratory, Tokyo Agricultural University.
- Nihon Ringaku Kaishi**
 Nihon Ringaku Kaishi [Journal of the Japanese Forestry Society]. /Tokyo.
 Seen only as reprints. Successor to Ringakkai Zasshi.
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 Det Kongelige Norske Videnskabers Selskabs Skrifter. /Trondheim.
 LC: AS283. T8.
- Notes Leyden Mus.**
 Notes from the Leyden Museum.
 LC: QH1. L4.
- Notizbl.**
 Notizblatt des Königlichen botanischen Gartens und Museums zu Berlin.
 LC: QK1. B12; DA: 451 B45N.
- Nov. Caled.**
 Sarasin, F. and Roux, J.: Nova Caledonia, Forschungen in Neu-Caledonien und auf den Loyalty-Inseln; A. Zoologie. B. Botanik.
 /Berlin, Wiesbaden.
 LC: QH198. N4 S3.
- Nova-Acta Acad. Leop.-Carol.**
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 LC: Q49. H162.
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Nova Guinea

Résultats de l'expédition scientifique néerlandaise à la Nouvelle-Guinée. /Leiden.
LC: Q115. N5; GS: 502 (930) qW63.

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Novitates Zoologicae (Tring Museum) /London.
Smi.: 590. 542.

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O Le Fa'atoua. /Pago Pago.
LC: DU819. A1 A2.
1903-1914 in Samoan, later Samoan and English.

Occ. Pap. Bishop Mus.

Occasional Papers of the Bernice Pauahi Bishop Museum of Polynesian Ethnology and Natural History. /Honolulu.
LC: GN670. B6; DA: 500 B 450.

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L'Océanie Française; bulletin mensuel du Comité de l'Océanie Française. /Paris.
LC: DU50. A1 O3.

Oceania

Oceania: A Journal devoted to the study of the Native Peoples of Australia, New Guinea and the Islands of the Pacific Ocean. /Sydney.
LC: DU28. O3.

Oesterr. Bot. Zeitschr.

Oesterreichische botanische Zeitschrift. /Wien.
DA: 450. Os⁷¹.

Oiseau Rev. Fr. Ornith.

L'Oiseau et la Revue Française d'Ornithologie. /Paris.
Smi.: Bird Div.

Ornith. Monatsb.

Ornithologische Monatsberichte. /Berlin.
LC: QL 671. O76.

Oxford For. Mem.

Oxford Forestry Memoirs. /Oxford.
DA: 99.9 Ox 22.

Oxford Imp. For. Inst. Pap.

Imperial Forestry Institute, University of Oxford, Papers. /Oxford.

DA: 99.9 Ox 23.

Overland Mo.

The Overland Monthly. /San Francisco.
LC: AP2.006

Oyô Kouyû

Oyô Kouyû. /Tokyo.
DA: 421 Oy 6.

Published by the Nippon Society of Applied Entomology.

Pac. Disc.

Pacific Discovery. /San Francisco.
DA: 500 P12; LC: Q1. P15.

Pac. Isl. Mo.

Pacific Islands Monthly. /Sydney.
Bish.; LC: DUI. P145.
Incomplete in LC.

Pac. Sci.

Pacific Science. /Honolulu.
DA: 475 P 11; LC: QH1. P2.

Pac. Sci. As. Inf. Bull.

Pacific Science Association Information Bulletin.
Bish.; Pacific Science Board.
A mimeographed monthly leaflet issued by The Permanent Secretariat of the Pacific Science Council, Honolulu, Hawaii.

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Palao Tropical Biological Station Studies. /Tokyo.
AA; LC: Q11. P28.
Only vol. 1 and part of 2 in LC.

Pan-Am. Geol.

The Pan-American Geologist. /Des Moines, Iowa.
LC: QH1. P3.

Pan-Pacific Entom.

Pan-Pacific Entomologist. /San Francisco.
LC: Q1461. P3.

Pap. Proc. R. Soc. Tasmania

Papers and Proceedings of the Royal Society of Tasmania. /Hobart.
LC: Q93. T2.

Parad. Pac.

Paradise of the Pacific. /Honolulu.
LC: DU620. P3.

Parasitology

Parasitology. /Cambridge, England.

- LC: QL757. A3.
- Petermanns Mitt.**
Dr. A. Petermanns Mitteilungen aus Justus Perthes Geographischer Anstalt. /Gotha.
LC: G1. P43.
- Petermanns Mitt. Ergänzungsheft**
LC: G1. P44.
Series of Supplements to Petermanns Mitt.
- Pflr.**
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LC: QK97. E62; DA: 452 En 3 P.
- Philip. Agr. Rev.**
The Philippine Agricultural Review. /Manila.
LC: S17. P4.
- Philip. Jour. Sci.**
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The Philippine Journal of Science. /Manila.
LC: Q75. P51; DA: 475 P 53.
In vols. 2-13, botanical papers in special section C.
- Philos. Sci.**
Philosophy of Science. /Baltimore.
LC: Q1. P55.
- Photogr. Engin.**
Photogrammetric Engineering. /Washington, D.C.
LC: TA593. A2 P5.
Published by the American Society of Photogrammetry.
- Phyc. News Bull.**
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Place of publication varies.
- Phytologia**
Phytologia. /New York Botanical Garden.
DA: 450 P 563; LC: QK1. P58.
Processed.
- Plant Disease Rep.**
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LC: SB599. P95.
Published by U. S. Dept. Agriculture.
- Plant World**
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Population Index. /Princeton, N. J.
LC: Z7164. D3 P83.
- Popular Sci. Mo.**
The Popular Science Monthly. /New York.
LC: AP2. P8.
- Proc. Acad. Nat. Sci. Phila.**
Proceedings of the Academy of Natural Sciences of Philadelphia.
LC: QH1. A2.
- Proc. Am. Acad.**
Proceedings of the American Academy of Arts and Sciences. /Boston.
LC: Q11. B7.
- Proc. Am. Philos. Soc.**
Proceedings of the American Philosophical Society. /Philadelphia.
LC: Q11. P63.
- Proc. Biol. Soc. Wash.**
Proceedings of the Biological Society of Washington. /Washington, D. C.
LC: QH1. B4; Sml.: 574.0673.
- Proc. Boston Soc. Nat. Hist.**
Proceedings of the Boston Society of Natural History.
LC: QH1. B7.
- Proc. Calif. Acad. Sci.**
Proceedings of the California Academy of Sciences. /San Francisco.
LC: Q11. C253.
- Proc. Cambridge Phil. Soc.**
Proceedings of the Cambridge Philosophical Society. /Cambridge, England.
LC: Q41. C17.
- Proc. Ent. Soc. London**
The Proceedings of the Royal Entomological Society of London.
Sml.: Insect Div.; LC: Series A: QL 461. R6512; Series B: QL 461. R6513.
- Proc. Ent. Soc. Washington**
Proceedings of the Entomological Society of Washington. /Washington, D. C.
LC: QL461. E69.

- Proc. Haw. Acad. Sci.**
 Proceedings of the Hawaiian Academy of Science.
 / Honolulu.
 LC: Q99. H3.
 Early numbers published as Bishop Museum
 Special Publications. Separately published from
 1940-1941 on, without volume numbers but with
 annual meeting numbers.
- Proc. Hawaiian Ent. Soc.**
 Proceedings of the Hawaiian Entomological
 Society. /Honolulu.
 LC: QL461. H3; DA: 420 H312.
- Proc. Imp. Acad. (Tokyo)**
 Proceedings of the Imperial Academy (of Japan).
 /Tokyo.
 LC: AS552. T7; DA: 513 T576.
- Proc. Int. Bot. Congr.**
 Proceedings of the ... International Botanical
 Congress.
 LC: QK1. I 7.
- Proc. Linn. Soc. N. S. W.**
 Proceedings of the Linnean Society of New South
 Wales. /Sydney.
 LC: QH1. L8.
- Proc. Malac. Soc. London**
 Proceedings of the Malacological Society of Lon-
 don.
 Smi.: Mollusks Div.
- Proc. Nat. Acad. Sci.**
 Proceedings of the National Academy of Sciences
 of the United States of America. /Washington,
 D. C.
 LC: Q11. N26.
- Proc. New England Zool. Club**
 Proceedings of the New England Zoological Club.
 /Cambridge, Mass.
 LC: Q11.N35; Smi.: 590. 673.
- Proc. Pac. Sci. Cong.**
 Proceedings of the ... Pacific Science Cong-
 ress
 LC: Q101. P3; DA: 330.9 P194.
 Place of publication varies.
- Proc. 1st Pan-Pac. Sci. Conf.**
 Proceedings of the first Pan-Pacific Science Com-
 ference. /Honolulu.
 LC: Q101. P3.
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 LC: Q101. P3; DA: 330.9 P194.
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- Proc. R. Geogr. Soc. London**
 Proceedings of the Royal Geographical Society of
 London.
 LC: G7. R9.
- Proc. R. Inst. Great Br.**
 Proceedings of the Royal Institute of Great Britain.
 /London.
 LC: Q41. R8.
- Proc. R. Irish Acad.**
 Proceedings of the Royal Irish Academy. /Dublin.
 LC: AS122. D81.
 (Sect. B of each vol. contains biological,
 geological and chemical sciences).
- Proc. R. Soc. Edinburgh**
 Proceedings of the Royal Society of Edinburgh.
 LC: Q41. E21.
- Proc. R. Soc. London**
 Proceedings of the Royal Society of London.
 LC: Q41. L7.
- Proc. R. Soc. Victoria**
 Proceedings of the Royal Society of Victoria.
 /Melbourne.
 LC: Q93. V6.
- Proc. Sect. Sci. Akad. Wetensch. Amst.**
 Proceedings of the Section of Sciences, Konink-
 lijke Akademie van Wetenschappen te Amsterdam.
 LC: Q57. A561; GS: S(591)q Akl7.
 The Proc. are translated from the "Verslagen".
- Proc. 6th Cong. Int. Soc. Sugar Cane Techn.**
 Proceedings of the sixth Congress; International
 Society of Sugar Cane Technologists. /Baton
 Rouge, La.
 LC: TP375.I5, 1938.
- Proc. Soc. Exp. Biol. Med.**
 Proceedings of the Society for Experimental Biol-
 ogy and Medicine. /New York.
 LC: QP1.S8.
- Proc. Trans. R. Geogr. Soc. Australas. Queensl.Br.**
 Proceedings and Transactions of the Royal Geog-
 raphical Society of Australasia, Queensland
 Branch. /Brisbane.

- LC: G51. R88.
- Proc. Trans. R. Geogr. Soc. Australas. S. Austr. Br.
 Proceedings and Transactions of the Royal Geographical Society of Australasia, South Australian Branch. /Adelaide.
 LC: G51. R87.
- Proc. Trans. R. Soc. Canada
 Proceedings and Transactions of the Royal Society of Canada. /Toronto.
 LC: AS42. R6.
- Proc. U. S. Nat. Mus.
 Proceedings of the United States National Museum. /Washington, D.C.
 LC: Q11. U55.
- Proc. Wash. Acad. Sci.
 Proceedings of the Washington Academy of Sciences. /Washington, D.C.
 LC: Q11. W3.
- Proc. Zool. Soc. London
 Proceedings of the ... Zoological Society of London.
 LC: QL1. Z7.
 Title varies.
- Prometheus
 Prometheus. Illustrierte Wochenschrift über die Fortschritte in Gewerbe, Industrie und Wissenschaft. /Berlin.
 LC: T3. P9.
 Title varies.
- Psyche
 Psyche, a Journal of Entomology. /Cambridge, Mass.
 LC: QL461. P9 (now filed in Sml., Div. Insects).
- Pub. Weather Res. Cent.
 Publications of the Weather Research Center. /Washington, D.C.
 WB.
- Quart. Jour. Geol. Soc. London
 Quarterly Journal of the Geological Society of London.
 LC: QE1. G4.
- Quart. Jour. R. Met. Soc.
 Quarterly Journal of the Royal Meteorological Society. /London.
 LC: QC851. R8.
- Quart. Jour. Sci.
 The Quarterly Journal of Science. /London.
 LC: Q1. J8.
- Quart. Rev. Biol.
 The Quarterly Review of Biology. /Baltimore.
 LC: QH301. Q3.
- Queensl. Geogr. Jour.
 Queensland Geographical Journal. /Brisbane.
 LC: G51. R88.
- Queensland Nat.
 The Queensland Naturalist. /Brisbane.
 LC: QH1. Q4.
- Rec. Act. Séances Pub. Acad. St Petersburg
 Recueil des Actes des Séances Publiques de l'Académie de St Petersburg.
 LC: AS262. S363.
- Rec. Auckl. Mus.
 Records of the Auckland Institute and Museum. /Auckland, N. Z.
 LC: Q93. A82.
- Rec. Austr. Mus.
 Records of the Australian Museum. /Sydney.
 LC: QH1. A985.
- Rec. Oceanogr. Works Japan
 Records of Oceanographic Works in Japan. /Tokyo.
 GS: 530. N22 pr.; LC: GC771. R4.
- Rec. Trav. Bot. Néerl.
 Recueil des Travaux Botaniques Néerlandais. /Utrecht.
 LC: QK1. R3; DA: 451 N28R.
- Rep. Com. Agr. For. Hawaii
 Report of the board of Commissioners of Agriculture and Forestry of the Territory of Hawaii. /Honolulu.
 DA: 25 H14Re; LC: S399. A2.
- Repert. Sp. Nov.
 Repertorium novarum specierum regni vegetabilis. Centralblatt für Sammlung und Veröffentlichung von Einzeldiagnosen neuer Pflanzen. /Berlin.
 LC: QK1. R33; DA: 450 R29.
 Often called Fedde Repertorium.
- Report ... of the 'Alert'
 Report on the zoological collections made in the Indo-Pacific Ocean during the voyage of H. M. S. 'Alert' 1881-2. /London.

- LC: QL5. A55.
Published by British Museum (Natural History),
ed. by A. Günther.
- Rept. Mauritius Inst.
Colony of Mauritius. Report of the Mauritius
Institute. /Port-Louis.
Smi.: 506. 6982.
- Res. Rev.
Research Reviews; U. S. Navy, Office of Naval
Research. /Washington, D.C.
National Research Council Library; LC.
- Rev. Agr. Maurice
La Revue Agricole de l'Île Maurice. /Port-Louis.
DA: 24 M44.
- Rev. Agr. N. Caléd.
Revue Agricole de la Nouvelle-Calédonie.
/Noumea.
DA: 25 R322.
Superseded next entry.
- Rev. Agr. N. Calédonie
Revue Agricole. Organe de la chambre d'agricul-
ture de la Nouvelle-Calédonie. /Noumea.
DA: 25 N43.
- Rev. Algol.
Revue Algologique. /Paris.
DA: 450 R3213.
- Rev. Bryol.
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DA: 450 R325.
Later, Rev. bryol. et lichénologique, now,
Travaux bryologiques.
- Rev. Chil. Hist. Geogr.
Revista Chilena de Historia y Geografía. /San-
tiago de Chile.
LC: F3051. R45.
- Rev. Cult. Colon.
Revue des Cultures Coloniales. /Paris.
DA: 26 R32.
1897-1904: later absorbed by "Quinzaine colo-
niale."
- Rev. Entom.
Revue d'Entomologie (Société Française d'Ento-
mologie). /Caen.
LC: QL461. R45.
- Rev. Geogr. Chile
Revista Geografica de Chile. /Santiago.
GS: S(430) R32; LC.
- Rev. Hort.
Revue Horticole. Journal d'horticulture pratique.
/Paris.
DA: 80 R32.
- Rev. Int. Bot. Appl. Agr. Trop.
Revue Internationale de Botanique Appliquée et
d'Agriculture Tropicale. /Paris.
DA: 26 R323.
Title varies.
- Rev. Mar.
La Revue Maritime. /Paris.
LC: V2. R4.
- Rev. Sudam. Bot.
Revista Sudamericana de Botánica. /Montevideo.
Smi.: 580. 6895. R45. Div. of Bot.; DA: 450.
R3242.
- Rev. Sci. Bourb.
Revue Scientifique du Bourbonnais et du Centre de
la France. /Moulins, France.
Smi.: 505. 44.
- Rev. Univ. Mines
Revue Universelle des Mines.... /Paris, Liège.
GS: S (593) R33; S (593) q R33.
- Rev. Zool. Bot. Afr.
Revue de Zoologie et de Botanique Africaines.
/Tervuren, Belgique.
DA: 410 R326.
Title and place of publication vary.
- Rigaku-kai
Rigaku-kai [The Scientific World]. /Tokyo.
Not seen.
- Ringakkai Zasshi
Ringakkai Zasshi [Journal of the Forestry Society].
/Tokyo.
Not seen, except for reprints. Succeeded by
Nihon Ringaku Kaishi.
- Rpt. Exper. Sta. Hawaiian Sugar Pl. Assoc.
Report of the Committee in charge of the Experi-
ment Station; Hawaiian Sugar Planters' Associa-
tion. /Honolulu.
LC: SB215. H35.

- S. Pac. Comm. Techn. Pap.**
South Pacific Commission. Technical Papers.
/Noumea.
Pacific Science Board; LC.
- Sangyō no Nanyō**
Sangyō no Nanyō [Industry of the South Seas].
Not seen. Published by [Industrial Association
of the South Seas], Koror, and printed in Koror.
- Sangyō Sochō**
Sangyō Sochō.
Not seen, except as reprints. Published and
printed in Koror with Sangyō no Nanyō, contains
selected papers from that serial.
- Sanrin**
Sanrin [Forests]. /Tokyo.
DA: 99.9 J273.
Successor to Dai Nihon Sanrin Kaihō. Published
by Dai Nihon Sanrinkai [Japanese Forestry Associa-
tion].
- Sargentia**
Sargentia, a continuation of the contributions
from the Arnold Arboretum of Harvard University.
LC: QK1. 817.
- Sci. Mem. Med. Off. Army India**
Scientific Memoirs of the Medical Officers of the
Army of India. /Calcutta.
KML:
- Sci. Mo.**
Scientific Monthly.
LC: Q1. S817.
Place of publication varies.
- Sci. Pap. Inst. Algol. Hokkaido**
Scientific Papers of the Institute of Algological
Research of the Faculty of Science of the Hokka-
ido Imperial University, Sapporo.
NYBG; DA: 451 H 682; LC: QK564. 83.
- Sci. Rept. Kagoshima Agr. For. Sch.**
[Scientific Report, Kagoshima Prefectural Higher
Agricultural and Forestry School].
In Japanese. Copy seen in personal library of
T. Tuzama, Tokyo.
- Sci. Rept. Tohoku Univ. IV Biol.**
The Science Reports of the Tohoku Imperial
University; Fourth Series, Biology. /Sendai,
Japan.
LC: Q77. S44.
- Science**
Science.
LC: Q1. S35.
Published by American Association for the
Advancement of Science; place of publication
varies.
- Scient. Am.**
Scientific American. /New York.
LC: T1. 85.
- Scott. Geogr. Mag.**
Scottish Geographical Magazine. /Edinburgh.
LC: G1. 843.
- Seiken Zihō**
Seiken Zihō (Report of the Kihara Institute for
Biological Research). /Kyoto.
LC: Orientalia. Jap.
- Senckenbergiana**
Senckenbergiana; wissenschaftliche Mitteilungen
herausgegeben von der Senckenbergischen Natur-
forschenden Gesellschaft in Frankfurt a. M.
LC: QH5. 835.
- Shifuzō**
Shifuzō [Père David's Deer]. /Tokyo.
Not seen.
- Siboga Exped.**
Siboga Expeditie ... in Nederlandsch oost-
Indie ... 1899-1900. /Leiden.
Smi.: 508. 2. S564; LC: Q115. S56.
- SIM Rept.**
Reports of Scientific Investigations in Micronesia.
Series of manuscript reports, filed with Pacific
Science Board (Washington and Honolulu), from
which mimeographed copies have been made for
official distribution by the Navy but not available
for outside distribution, except for a few spare
copies which lack maps and illustrations.
- Sitzungsber. Akad. Wiss. München**
Sitzungsberichte der mathematisch-physikalischen
Klasse der K. B. Akademie der Wissenschaften
zu München. /Munich.
DA: 509 M 92 8; LC: AS 182. M 821 (1869-1870);
AS 182. M 822 (1871 to date).
- Sitzungsber. Ges. Naturforsch. Freunde Berlin**
Sitzungsberichte der Gesellschaft Naturforschender
Freunde zu Berlin.
LC: QH5. G4.

- Smi. War Backgr. St.**
Smithsonian Institution War Background Studies.
/Washington, D. C.
LC: GN4. S6.
- Smiths. Explor.**
Smithsonian Institution, Explorations and Field-
Work. /Washington, D. C.
LC: Q11. S8 A2.
- Smiths. Misc. Coll.**
Smithsonian [Institution] Miscellaneous Collec-
tions. /Washington, D. C.
LC: Q11. S7.
Includes reprints of various publications of the
Institution.
- Soil Sci.**
Soil Science. /Baltimore.
LC: S590. S6.
- Spolia Zeyl.**
Spolia Zeylanica. Ceylon Journal of Science.
/Colombo.
LC: QH1. C37; GS: S(649) Sp 6.
- Str. Bull. Oceania**
Strategic Bulletins of Oceania.
LC: DU1. Y3.
Mimeographed by Institute of Human Relations,
Yale University.
- Strat. Eng. St.**
Strategic Engineering Studies. /Washington, D.C.
GS:
- Stray Feathers**
Stray Feathers; a journal of ornithology for India
and its dependencies. /Calcutta.
Smi.: Bird Div.
- Suisan Kenkyū-shi**
Suisan Kenkyū-shi [Journal of Fisheries Research].
/Tokyo.
Not seen. Published by Rakusui Society.
- Sunyatsenia**
Sunyatsenia. Botanical Institute, College of
Science, Sun Yatsen University, Canton, China.
LC: QK 1. S88; Smi.: Botany Div.; DA: 452
Su 7.
- Svensk Bot. Tidsk.**
Svensk Botanisk Tidskrift. /Uppsala.
DA: 450 Sv 27; LC: QK 1.S93.
In LC, starts with vol. 41.
- Svenaka Vet. Akad. Handl.**
Kungl. Svenaka Vetenskapsakademiens Handling-
gar. /Uppsala, Stockholm.
LC: Q64. S85.
- SW. Jour. Anthrop.**
Southwestern Journal of Anthropology. /Albuquer-
que.
LC: GNI. S64.
- Taiwan Kyōiku**
Taiwan kyōiku (Education review of Formosa).
Only reprint seen.
- Temminckia**
Temminckia. A Journal of Systematic Zoology.
/Leiden.
LC: QL 1. T35.
- Tenthredo**
Tenthredo. Acta Entomologica. /Kyoto.
Smi.: Insect Div.
Published by Takauchi Entomological Laboratory.
- Terre Vie**
La Terre et la Vie. /Paris.
LC: QH3. T4.
- Texas Jour. Sci.**
Texas Journal of Science. /San Marcos, Tex.
Smi.: 506.73 T3 T34.
- Teymania**
Teymania. /Batavia.
LC: SM13.T2.
- Tierreich**
Das Tierreich. /Berlin; Leipzig.
DA: 411 D48.
Series of zoological monographs.
- Tijdschr. Binnenl. Bestuur**
Tijdschrift voor het Binnenlandsch Bestuur.
/Batavia.
LC: JV3. T5.
- Tijdschr. Ind. Taal-, Volkenk.**
Tijdschrift voor Indische Taal-, Land- en Volken-
kunde. /Batavia, The Hague.
Amsterdam Inst. Trop.
- Tijdschr. Kon. Nederl. Aardrijksk. Genoot.**
Tijdschrift van het Koninklijk Nederlandsch
Aardrijkskundig Genootschap. /Leiden.
GS: S (591) Aal8.

Tori

Tori [Birds]; Bulletin of the Ornithological Society of Japan. /Tokyo.
Smi. : Bird Div.

Torrey

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LC: QK1. T65; DA: 450 T63.

Trans. Am. Ent. Soc.

Transactions of the American Entomological Society. /Philadelphia.
Smi. : Insect Div.; LC: QL461. A39.
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Trans. Am. Microscop. Soc.

Transactions of the American Microscopical Society. /Urbana, Illinois.
LC: QH201. A3.

Trans. Asiat. Soc. Japan

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Trans. Entom. Soc. London

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LC: QL461. R65; Smi. : Insect Div.

Trans. Herts. Nat. Hist. Soc.

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LC: QH1. H5; DA: 501 H44T.

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LC: Q11. K2.
Place of publication varies.

Trans. Linn. Soc.

Transactions of the Linnean Society, London.
LC: Q11. L6.

After 1875, separated in bot. and zool. series.

Trans. Linn. Soc. Bot.

The Transactions of the Linnean Society of London. Botany.
LC: QH1. L61.

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LC: Q11. N6.

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Transactions of the . . . North American Wildlife Conference. /Washington, D. C.
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Trans. Nat. Hist. Soc. Formosa [or Taiwan]

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Smi. : 506. 529 N28; DA: 410. 9 N19; LC: QH1. N343.
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LC: G51. V52.

Trans. R. Soc. Edinburgh

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LC: Q41. E2.

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LC: RC960. R6.

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- Trans. San Diego Soc. N. H.**
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LC: QH1. S3; GS: S (276) Sa 56.
- Trans. Sapporo Nat. Hist. Soc.**
Transactions of the Sapporo Natural History Society. /Sapporo, Japan.
DA: 410.9 Sa6; LC: QH7.S3.
- Trans. Wisc. Acad. Sci.**
Transactions of the Wisconsin Academy of Sciences, Arts and Letters. /Madison.
LC: AS36. W7.
- Trans. Zool. Soc. London**
Transactions of the Zoological Society of London.
LC: Q11. Z73.
- Trav. Lab. For. Toulouse**
Travaux du Laboratoire Forestier de Toulouse.
DA: 99.9 T64.
Arranged in Tomes, Sections and Volumes which are intended to provide a division by subjects when issues are properly bound.
- Trav. Serv. Océanogr. Mem.**
Travaux du Service Océanographique des Pêches de l'Indochine; Mémoires. /Saigon.
LC: filed by author.
- Treubia**
Treubia, Recueil de travaux zoologiques, hydrobiologiques et océanographiques, instituts scientifiques de Buitenzorg. /Batavia.
LC: QH186. T7.
- Trop. Agr. [Trinidad]**
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LC: QH7. T84.
- Trop. Woods**
Tropical Woods. /New Haven.
DA: 99.08 Y 1 Tr; LC: SD1.T8.
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- Tropenpfl.**
Die Tropenpflanzen; Zeitschrift für tropische Landwirtschaft. /Berlin.
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- Tropiques**
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LC: Paris AGOM.
- Univ. Calif. Pub. Bot.**
University of California Publications, Botany. /Berkeley, later Berkeley and Los Angeles.
LC: QK1. C2; DA: 500 C 125 B.
- Univ. Calif. Pub. Geol.**
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LC: QH1. C15.
- Univ. Calif. Pub. Zool.**
University of California Publications, Zoology. /Berkeley.
LC: Q11. C15.
- Univ. Hawaii Agr. St.**
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LC: S399. A35.
- Univ. Hawaii Occ. Pap.**
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LC: listed by authors.
- Univ. Iowa Studies Nat. Hist.**
University of Iowa Studies in Natural History. /Iowa City.
LC: QH1. I58; DA: 500 Io 9.
- Univ. Kansas Pub. Mus. Nat. Hist.**
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LC: QH7. K3.
- U. S. D. A. Biol. Surv. Bull.**
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LC: SD11. A2.
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United States Exploring Expedition ... [Reports].
/Philadelphia (some unofficial editions of certain
volumes published elsewhere, see Haskell, 1942).
LC: Q115. W6.
- U. S. G. S. Prof. Pap.**
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Papers. /Washington, D. C.
LC: QE75. P9.
- U. S. G. S. Water-supply Pap.**
U. S. Geological Survey, Water-supply Paper.
/Washington, D. C.
LC: TC601. U3.
- U. S. Geol. Surv. Ann. Rept.**
Annual Report of the United States Geological
Survey. /Washington, D. C.
LC: QE75. A6.
- U. S. Geol. Surv. Bull.**
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LC: QE75. B9.
- U. S. Naval Inst. Proc.**
U. S. Naval Institute Proceedings. /Annapolis,
Md.
LC: VI. U8.
- U. S. Naval Med. Bull.**
United States Naval Medical Bulletin.
/Washington, D. C.
LC: R11. U55.
Published by Bureau of Medicine and Surgery.
- Vegetationsbilder**
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Kartan und Dr. H. Schenck. /Inns.
LC: QK909. K18.
- Veaus**
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Smi.: Div. of Mollusks.
Published by Malacological Society of Japan;
place of publication varies.
- Verh. K. K. Zool. Bot. Ges. Wien**
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- Verhand. Batav. Genootschap Kunst. Wet.**
Verhandlungen van het Bataviasche Genootschap
van Kunsten en Wetenschappen. /Batavia.
LC: AS522. B29.
- Verhand. Kon. Ned. Akad. Wetens. Nat.**
Verhandelingen der Koninklijke Nederlandsche
Akademie van Wetenschappen Afd. Naturkunde.
/Amsterdam.
GS: S (591) q AK23.
Title varies.
- Verhandl. Berl. Ges. Anthrop.**
Verhandlungen der Berliner Gesellschaft für An-
thropologie, Ethnologie und Urgeschichte.
Bound with Zeitschr. Ethnol. Certain years
(1869-1894) also catalogued and bound separately
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- Verhandl. d. zool. Ges.**
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Gesellschaft. /Leipzig.
LC: Q11. D5.
- Verhandl. des ... d. Geographentages ...**
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LC: G56. D5.
- Verhandl. Ges. deutsch. Naturf. Aertze**
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Proceedings of scientific meetings held in dif-
ferent cities every year.
- Verhandl. Ges. Erdk. Berlin**
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Berlin.
LC: G13. G52; GS: S (539) B 45.
- Verhandl. Naturf. Ges. Basel**
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LC: Q67. B2.
- Verhandl. Ver. naturw. Unterhaltung Hamburg**
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liche Unterhaltung zu Hamburg. /Hamburg.
LC: Q49. H49.
- Verhandl. zool.-bot. Ges. Wien**
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LC: QH5. Z8.
Formerly Verhandl. des zool.-bot. Vereins.
- Veröffentl. Geobot. Inst. Rübél Zürich.**
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Rübél in Zürich.
DA: 451 Z 83 B.

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LC: Q57. A54.

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The Victorian Naturalist: The journal and
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LC: QH1. V55.

Vier. Naturf. Ges. Zürich

Vierteljahrschrift der Naturforschenden Gesell-
schaft in Zürich. /Zürich.

LC: Q67. Z94.

Vol. Jub. Yoshida

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2 vols., 1939.

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GS: 220 (950) qH 3v.

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NYPL: BHBA+ ; LC: DU90. W3.

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LC: QK3. W5.

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LC: QL671. W7.

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LC: Q115. V14.

Wiss. Veröffentl. Ver. Erdk. Leipzig

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LC: QH5. V7.

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LC: FL9000. Z36.

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DA: 421 Z36.

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schaft. /Berlin.

LC: QE1. D2; GS: G(530) D49.

Zeitschr. Ethnol.

Zeitschrift für Ethnologie. Organ der Berliner
Gesellschaft für Anthropologie, Ethnologie und
Urgeschichte. /Berlin.

LC: GN1. Z4.

Includes (separately paged), the Proceedings
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LC: G13. G5.

Zeitschr. f. Naturwiss.

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Zeitschr. Landw. Ver. Bayern

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LC: S7. L385.

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Zeitschrift für Malakozologie. /Hannover.

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LC: QC851. M299.

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Zeitschr. wiss. Zool.

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Hartlaub, G. and Finsch, O.

On a fourth collection of birds from the Pelew and Mackenzie Islands.

Proc. Zool. Soc. London 1872: 87-114, 1872.

Report on a collection of birds made by Kubary in Palau and Yap (Mackenzie group commonly regarded as synonymous with Ulithi, but here includes several of the northwest Carolines with statement that "Uap" was the only one explored), with a short note on the vegetation of Yap.

Hedwig, J. (Schwaegrichen, F. ed.)

Species muscorum frondosorum descriptae et tabulis aeneis LXXVII coloratis illustratae.

i-vi, 1-352, Leipzig, 1801; Suppl. 1 (1): i-xiv, 1-196, 1811; 1 (2): i-vii, 1-374, 1816; 2 (1): i-vi, 1-86, 1823; 2 (2): 87-179, 1824; 2 (2-1): 1-79, 1826; 2 (2-2): 81-210, 1827; 3 (1): no pagination, 1829; 3 (2): no pagination, 1828; 3 (2-1): no pagination, 1829; 3 (2-2): no pagination, 1830; 4 (1): no pagination, 1842.

Colored plates of mosses (77, in 1st volume, 325 in supplements) with descriptions. Include some collected by Gaudichaud in the Marianas. LC: QK537. H45.

Heinl, R. D. and Crown, J. A.

The Marshalls: increasing the tempo.

1-188, Washington, 1954 (U. S. Marine Corps Historical Monograph).

Detailed account of the capture of the Marshalls in 1944, with many photos showing plants; some also of Kusaie and Truk. LC: D767.99. M3 U52.

Hooker, W. J.

Species filicum....

5 vols., London, 1844-1864.

Systematic enumeration of all known species of ferns including some Micronesian ones, as on pp. 55 and 220 of vol. 1. LC: QK523. H76.

Hosokawa, T.

A synchorological consideration of the *Camptosperma* forests in Micronesia.

Eighth Pac. Sci. Congr. Abstr. 201, 1953 b.

Briefly summarizes five forest associations, mentioning their principal species, on the higher islands

in the Carolines.

Hosokawa T.

On the nomenclature of aerosynnaeae.

Proc. 7th Int. Bot. Cong. 691-694, 1953 c.

Phytosociological discussion in which Micronesian rain forest communities are used as examples, with tables and a profile diagram.

On the structure and composition of the *Camptosperma* forests in Palau, Micronesia.

Mem. Fac. Sci. Kyushu Univ. Ser. E (Biology) 1 (4): 199-218, 1954 a.

Phytosociological study, with photographs.

On the *Camptosperma* forests of Yap, Ponape and Kusaie in Micronesia.

Mem. Fac. Sci. Kyushu Univ. Ser. E (Biology) 1 (4): 219-243, 1954 b.

Phytosociological study, many species mentioned.

On the vascular-epiphyte communities in tropical rainforests of Micronesia.

8^{me} Congr. Int. Bot. Rapp. Comm. 7, 8: 190-191, 1954 c.

Discusses phytosociological investigations in the high Caroline Islands.

Outline of the mangrove and strand forests of the Micronesian islands.

8^{me} Congr. Int. Bot. Rapp. Comm. 13: 61-62, 1954 d.

Abstract, mentioning principal types with brief characterizations and mentioning dominant species.

On the *Camptosperma* forests of Kusaie in Micronesia, with special reference to the community units of epiphytes.

Vegetatio 5 (Jubilee volume for Dr. J. Braun-Blanquet): in press.

Hough, F. O.

The assault on Peleliu.

1-209, Washington, 1950 (U. S. Marine Corps Historical Monograph).

Account of military operations in 1944; some of the photos show their effect on vegetation. LC: D767. 99. P4 U5, 1950.

- Inami, T.
[The sugar industry in the Pacific Islands].
Kagaku Chishiki [Scientific Knowledge] 1 (4):
441-445, 1921].
Not seen.
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Fall von Dermatitis acuta durch "Aongot" - Baum
(*Semicarpus venosa* volkems) [sic].
Acta Dermat. 19 (1-2): 31-33, 1932.
In German. Brief note reporting a case of der-
matitis caused by *Semicarpus* in Palau; photo of
tree. Apparently simultaneously published in the
Japanese issue of same serial, pp. 105-108, this
not seen.
- Ito, S.
[Special characteristics of agriculture in the
South Sea Islands].
[Quarterly Report of the Japanese Colonization
Association] (Nihon Takushoku Kyōkai Kihō)
2 (4): 1941
Not seen.
- Johnson, [J.] H.
Studies of reef-building algae by the U. S. Geo-
logical Survey.
8th Congr. Int. Bot. Rapp. Comm. 17: 158-
159, 1954 a.
Discusses briefly the progress of studies of re-
cent and fossil algae of Palau, Marianas and
Marshalls.
- Fossil calcareous algae from Bikini Atoll.
U. S. G. S. Prof. Pap. 260-M: 537-546, 1954 b
(in press).
- Johnson, M. W.
Plankton of northern Marshall Islands.
U. S. G. S. Prof. Pap. 260-F: 301-314, 1954
(in press).
- [Jung,]
Meteorologische Beobachtungen auf Nauru.
Mitt. deutsch. Schutzgeb. 9: 109-114, 1896.
Notes on climate and table of data.
- Kawaguti, S.
[Reef-building corals].
Kagaku Nanyō 2 (3): 159-169, 1940.
Includes discussion of *Zooxanthella* associated
with corals. Observations made in Palau. In
Japanese.
- Kawamura, K., Tanaka, T. and Inagaki, T.
On the soils of the Saipan, Tenian and Rota Is-
lands, Mariana. Parts I and II.
Jour. Sci. Soil and Manure 14: 439-484, 1940
(seen only as translation, U. S. Geol. Survey,
1949.)
A detailed description of soils, but with some
information on the former forested condition of
the islands and soil changes following deforesta-
tion.
- Kawamura, S.
[A special local element in the forest plants of
the South Sea Islands].
Sangyō no Nanyō 3 (5): 11-16, 1940.
Not seen.
- Kikuchi, M.
Yakushin no Nanyō [Advance to the South Seas].
1-276, [Tokyo, 1938].
Includes brief notes on economic plants in
Micronesia. In Japanese. LC: Orientalia Jap.
- Kotzebue, O. von.
Entdeckungs-Reise in die Süd-See und nach der
Berings-Strasse...1815...1818...auf dem Schiffe
Rurick....
3 vols., Weimar, 1821 b.
See annotation of English translation, 1821.
LC: G420. K76.
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Vorarbeiten zu einer Monographie der Rhynchos-
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Repert. Sp. Nov. 50: 19-50, 112-128, 1941;
51: 1-17, 139-193, 1942; 52: 52-111, 1943; 53:
85-100, 187-219, 1944. Bot. Jahrb. 74: 375-
509, 1949; 75: 90-126, 127-195, 1950; 273-314,
1951; 451-495, 1952.
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Die Farnkräuter....
1: 1-252, 1840-47, 2: 1-98, Leipzig, 1848-1851.
Published as supplement to Schkuhr's Farnkräu-
ter. Descriptions and excellent plates of ferns,
including at least one Micronesian one, *Scolopen-
drium darvillei*, vol. 1, p. 9. For information on
dates of publication see Stearn, W. F., Jour. Soc.
Bibl. Nat. Hist. 1: 139-140, 1938. NYBG: 587.
K961.
- Species filicum....

- Bot. Zeit. 2: 255-262, 278-284, 294-299, 311-314, 326-330, 342-346, 1844.
 Commentary on Hooker's *Species filicum*, with additional original observations based on material in Kunze's herbarium; Micronesian species discussed on pp. 283, 298, and 345.
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 Report on a trip to Marcus Island with notes on the birds.
 Pac. Sci. 8: 84-93, 1954.
 Includes brief description of island, notes on vegetation and plants. Some comparison of data obtained in 1952 with those in earlier reports.
- Lanjouw, J. and Stafleu, F. A.
 Index herbariorum. Part. I. The herbaria of the world. Second edition.
 Regnum Veg. 2: 1-179, 1954 (ed. 1, 1952).
 List of herbaria of world, with indication of regions in which they specialize and plant groups in which their staff members specialize. Micronesia mentioned for several institutions. Also lists staff members, facilities, and standard abbreviations for citation of herbaria. The first of four proposed parts.
- Lindley, J. and Moore, T.
 The treasury of botany.
 2 vols., London, 1866.
 A dictionary of botany. Includes reproductions of some of Kirilitz' plates of Micronesian vegetation. Smi: Bot.
- Lowenstam, H. A.
 Factors affecting the aragonite-calcite ratios in carbonate-secreting marine organisms.
 Jour. Geol. 62:284-322, 1954.
 Mentions certain aspects of the composition of several Micronesian marine algae.
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 The British Central Pacific Islands: a report on land classification and utilization.
 Proc. 7th Pac. Sci. Cong. 6: 89-97, 1953.
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 Bibliographic notes on G. Forster's "De plantis esculentis insularum oceani australis" (1786).
 Pac. Sci. 8: 35-40, 1954 a.
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- Merrill, E. D.
 The botany of Cook's voyages.
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 Results of examination of the Solander and Forster collections, leading to a study of the history and migration of cultivated plants and weeds in the Pacific, emphasizing their significance in relation to prehistoric contacts across the Pacific; mentions early introduction of American weeds into Guam.
- Mettenius, G.
 Filices, praesertim indicae et iaponicae.
 Ann. Mus. Bot. Lugd.-Bat. 1: 46-58, 1863; 222-241, 1864; 2: 219-240, 1866; 4: 170-174, 1868-1869.
 Includes some Micronesian ferns, e.g. *Cyathea nigricans*, vol. 1:56, described from Ualan (Mertens) and *Aspidium haenkei*, vol. 1:238, reported from the Marianas.
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 On the Barringtoniaceae.
 Trans. Linn. Soc. Bot. II, 1:47-118, 1875.
 Includes a discussion of *Burtonia samoensis* (*Barringtonia samoensis*), reported from the Marianas.
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 Bot. Jahrb. 74: 173-198, 1948.
 Biographical, with list of Diels' botanical works, including some on Micronesia.
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 Bryophytes collected by F. R. Fosberg in the Marshall Islands.
 Atoll Res. Bull. (in press).
 Report on collection of mosses and hepatics from northern Marshalls, with several recorded as new to Marshall Islands.
- Montagne, J. F. C.
 Sylloge generum specierumque cryptogamarum....
 i-xxiv, 1-498, Paris, 1858.
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- Mori, S.
 [Damages to coconut trees by rats].
 Nanyō [South Sea Islands 2 (2): 50-55, 69, 1936].
 Not seen.

- Moul, E. T.
Algae of Onotoa, Gilbert Islands.
Phyc. News Bull. 6: 19-20, 1953.
Abstract of paper on distribution of algae on island, mostly marine, but includes freshwater ones from wells and taro patches.
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Atoll Res. Bull. 28: 1-28, 1954.
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Succinct general notes on the flora of British New Guinea: in, Thomson, J. P., British New Guinea, 218-221, London, 1892.
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- Müller, K.
Synopsis muscorum frondosorum omnium hucusque cognitorum.
1: 1-812, 1849; 2: 1-772, Berlin, 1851.
Includes some Micronesian species e.g. *Leucophanes cuspidatum* from the Marianas (Gaudichaud) in 1: 83, *L. fragile* from Kusaie (Dumont d'Urville) p. 84. LC: QK537. M94.
- Murai, M.
Nutritional study in Micronesia.
Atoll Res. Bull. 27: 1-239, 1954.
Includes data on food plants in the Marshalls, especially Majuro, and in Truk, with native names; botanical names not always given, when given not always correct; of considerable ethnobotanical importance.
- Nakao, S.
Bread-fruit, yams and taros of Ponape Island.
Proc. 7th Pac. Sci. Cong. 6: 159-170, 1953.
Includes information on cultivated varieties of these plants recognized on Ponape.
- Nanyō Chō [South Seas Government]
Nanyō Guntō Shashin Chyō [Photo album of the South Sea Islands].
1-4, 1-90, [Palau, 1932].
Album of photos of Micronesia showing aspect of islands, vegetation, plants, material culture involving plants, etc. Very valuable to estimate changes brought by war. LC: Orientalia Jap.
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Nanyō Guntō Yōran [South Sea Islands Summary]. [1936: 1-278, 1936; 1938: 1-294, Tokyo, 1938].
Annual summary of information on Micronesia, of which at least these numbers are in LC. Include notes on food plants. Photos. In Japanese. LC: Orientalia Jap.
- Noble, G. P.
An island family.
1-49, Guam, M. I., 1947.
Elementary reader written for Micronesian schools, deals with everyday life in Micronesia; mentions food plants; illustrated with woodcuts.
- Okamoto, S.
[Ethnobotanical studies on introduced plants in the South Seas].
Nanyō Kyōkai Kaihō 19 (11): 13-27; (12): 23-29, 1933; 20 (2): 20-27; (3): 19-25; (4): 30-36; (10): 32-39; (11): 34-41; (12): 29-33, 1934; 21 (1): 36-41; (4): 71-77; (5): 35-44; (6): 30-36, 1935.
Not seen.
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[Guide to the South Sea Islands] (Nanyō Guntō Annai).
[1-267, Tokyo, 1939].
Includes some notes on economic plants, and photos. In Japanese. LC: Orientalia Jap.
- Oshima, M. ed.
Nankai no Kyōi [Wonders of the South Seas].
1-314, [Tokyo, 1943].
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Invertebrate Consultants Committee for the Pacific report for 1949-1954.
1-56, Washington, 1954 (processed by Pacific Science Board).
Mainly economic entomology but contains numerous references to host plants of Micronesian insects; mentions introduction of insect parasites to control Lantana in Ponape.
- Pigafetta, A. (Robertson, J. A. ed.)
Magellan's voyage around the world.
2 vols. and index, Cleveland, 1906.
Text of Ambrosian MS. with translation. Vol. 1: 90-99, account of discovery of the Marianas, mentioning some food plants including "batate" supposed by translator to be camote, sweet potato.

- toes. LC: G420. M2. P62.
- Riley, G. A. and Von Arx, R.
Phytoplankton of the western North Pacific.
Woods Hole Ocean. Inst. Techn. Rept. 4: 1-92, 1948 (mimeographed).
Compilation and interpretation of available data on phytoplankton including records from Micronesian waters. Mainly an attempt to evaluate environment and its effects on plankton. Bibliography. LC: QK103. R5.
- Roberty, G.
Gossypium revisions: tentamen.
Candollea 9: 19-103, 1942; 10: 345-398, 1946; 13: 9-165, 1950.
Monographic revision. *Gossypium hirsutum* var. *taitemense* new comb. recorded from the Marianas (Gaudichaud), in 13, p. 67.
- St. John, H.
Origin of the sustenance plants of the Polynesians.
Proc. 7th Int. Bot. Cong. 152-154, 1953 c.
Discussion of distribution of food plants and of linguistic affinities of their vernacular names; mentioning Micronesian occurrences of some of them and lack of others. Concludes that Polynesians migrated by Melanesian rather than Micronesian route.
- The galeate capers related to *Capparis spinosa*, species occurring from the Mediterranean to the Pacific.
8^{me} Congr. Int. Bot. Rapp. Comm. 2, 4, 5, 6: 114, 1954.
Recognizes *C. cordata* (*C. mariana*) from the Marianas.
- Sanchez y Zayas, E.
Islas Marianas.
An. Dir. Hidrogr. 3: 142-258, 1865.
Results of a survey of the Marianas in the ship *Narvaez*. Include geographical descriptions and scattered mentions of plants. Abstract translations in Ann. Hydrogr. [France] 28: 272-304, 1865, 29: 50-82, 223-250, 385-412, 1866 and in Merc. Mar. Mag. 16: 1869. See also Sanchez y Zayas 1865-66 in main bibliography.
- Sargent, M. C. and Austin, T. S.
Biologic economy of coral reefs.
U. S. G. S. Prof. Pap. 260-E: 293-300, 1954 (in press).
- Sasaki, K.
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Chiri Kyōiku [Lessons in Geography 24 (5): 561-576, 1932].
Not seen.
- Sasuke Nakao
See Nakao, S.
- Schiffner, V.
Conspectus hepaticarum archipelagi indici.
1-382, Batavia, 1898.
Includes some Micronesian species e.g. *Hygrolejeunea sordida* from the Marianas, p. 268.
LC: QK 560. S33.
- Schulze, G. M.
Hermann Harms. Nachruf und Bibliographie.
Bot. Jahrb. 74: 349-374, 1949.
Biographical note with list of botanical papers including some on Micronesia.
- Senfft,
Die Insel Nauru.
Mitt. deutsch. Schutzgeb. 9: 101-109, 1896.
Includes brief description of island and mentions of economic plants.
- [Shimada, S.]
Ryōnai Nanyō Shi [Report on the South Sea Territory].
4: 1-222, Tokyo, 1921.
Includes some information on agriculture and food plants. In Japanese. LC: Orientalia Jap.
- Spoehr, A.
Bernice P. Bishop Museum Annual Report 1953.
1-57, Honolulu, 1954 a.
Contains a few unimportant incidental mentions of botanical activities and publications concerning Micronesia. Earlier reports by Brigham, Stokes, Gregory, Buck, and Bryan, E. H., Jr. (1953).
- Saipan, the ethnology of a war-devastated island.
Fieldiana: Anthropology 41: 1-383, 1954 b.
In the geographical introduction is a paragraph on the vegetation of Saipan, with several plants mentioned by name.
- Sugiura, K.
[Taro cultivation of the Palauans].
Chirigaku Kenkyū 1 (8): 1017-1035, 1942.

Detailed description of cultivation on Palau, with notes on taro species and varieties. In Japanese.

Suzuki, K.

[Native agricultural practices in the Mariana Islands].

Tokyo Keizai Zasshi [Tokyo Economic Magazine] 24 (579): 20-22, 1891].

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Taiheiyō Kyōkai [Pacific Association]

Dai Nanyō -- Bunka to Nogyō [The Great South Seas -- Culture and agriculture].

496 + 23 pp., Tokyo, 1941.

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Shigen to Kanshō -- Nanpō no Seitai [Resources and their evaluation -- Ecology of the South].

1-332, Tokyo, 1942.

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Takasugi, S.

Studie über Dermatomykosis in Südseeinseln.

Jap. Zeitschr. Dermat. Urol. 18 (4): 311-338, 1918.

In Japanese, bibliography in Roman script. Includes information on fungi responsible for various affections in Micronesia.

Takushoku Kyoku [Colonization Bureau]

Nanyō Senryōchi Jijō Gaiyō [Outline of conditions in the South Seas Occupied Territory].

[1-109, Tokyo, 1918].

General notes on Micronesia, including some data on economic plants. In Japanese. LC: Orientalia Jap.

Tanaka, T.

Development of agricultural lands in the tropics.

Nanyō [South Sea Islands 5 (1) Suppl.: 16-21, 1938].

Not seen.

Tayama, R., 1939.

See main bibliography. Original is in Japanese Section, Orientalia Division, LC.

Tayama, R. and Ota, Y., 1940.

See main bibliography. Original is in Japanese Section, Orientalia Division, LC.

[Taylor, J. L.]

The breadfruit tree and its uses.

1-6, [Honolulu], 1952 a (mimeographed by Office of High Commissioner of the Trust Territory of the Pacific Islands).

Elementary but informative economic botany of the breadfruit, with notes on culture. Similar papers by same author on coconut, banana, and taro issued but not seen.

[-----]

The giant African snail.

1-14, [Honolulu], 1952 b (mimeographed by Office of High Commissioner of the Trust Territory of the Pacific Islands).

Elementary discussion of the snail and its ecology, especially the economic aspects, with history of its introduction; mentions plants eaten, mostly economic ones.

Teaching materials produced in the Trust Territory of the Pacific Islands.

S. Pac. Comm. Quart. Bull. 3 (3): 35, 1953 a.

Short discussion listing booklets issued for use in schools, some of them including information on economic plants.

The Truk District.

[1-90], Truk, 1953 b (mimeographed by Dept. of Education, Truk District).

Elementary geography of Truk and surrounding atolls written for use in schools; has section on vegetation and incidental information on economic plants.

Tochinai, T.

[Observations on agriculture in the islands of Palau].

Nanyō [South Sea Islands (12) - (13): 381-432, 1940].

Not seen.

U. S. Geological Survey

Bikini and nearby atolls, Marshall Islands.

U. S. G. S. Prof. Pap. 260: vols. 1-3, 1954 (in press); vol. 4, in preparation.

Contains results of Operation Crossroads survey and subsequent resurveys. Includes many separate chapters designated by capital letters, by various authors; those with data on plants (mainly algae and phytoplankton) listed separately here. Vol. 1, part 1, geology, chapter A; vol. 2, part 2,

- oceanography, chapters B-I; vol. 3, part 3, geophysics, chapters J-L, part 4, paleontology, chapters M-P; vol. 4, miscellaneous papers.
- U. S. Hydrographic Office
Marshall group. North Pacific Islands.
1-33, [Washington, 1870].
Description of the atolls, compiled from various sources, including observations by visiting vessels. Includes some mentions of economic plants. LC: VK933. M4 U6.
- U. S. Navy
Yap Islands.
CINCPAC-CINCPOA Bull. 123-44: 1-34, 1944 e.
Mainly military information, with short notes on vegetation and soils, photos showing vegetation; maps.
- Southern Palau.
CINCPAC-CINCPOA Bull. 124-44: 1-42, 1944 f.
Mainly military information, but contains short notes on vegetation and many photos showing it; maps.
- Palau gazetteer.
CINCPAC-CINCPOA Bull. 129-44: 1-44, 1944 g.
Mimeographed list of Palauan and Japanese place names with latitudes and longitudes. Useful in identifying localities of Japanese collections.
- Northern Palau.
CINCPAC-CINCPOA Bull. 136-44: 1-59, 1944 h.
Mainly military information, but contains brief notes on vegetation and many photos showing it; maps.
- Waggaman, W. H.
Phosphoric acid, phosphates and phosphatic fertilizers.
1-683, N. Y., 1952 (2nd ed., 1st ed. 1927).
On p. 125, poor photo of phosphate mining on Nauru showing vegetation. GS: 890 W12p 1952.
- Walker-Arnott, G.-A.
Nouvelle disposition méthodique des espèces de mousses exactement connues.
Mém. Soc. Hist. Nat. Paris 2: 249-320, 1825.
Arrangement of the mosses of the world which includes species from the Marianas originally described by Schwaegrichen from Gaudichaud's collections, but here discussed without mention of locality.
- Watanabe, A., Nishigaki, S. and Konishi, C.
Effect of nitrogen-fixing blue-green algae on the growth of rice plants.
Nature 168: 748-749, 1951.
Experimental material includes *Calothrix brevisima* from Palau.
- Willdenow, C. L.
Species plantarum....
6 vols., (incl. 10 parts), Berlin, 1797-1824.
This is the fourth edition of Linnaeus' *Species Plantarum*, revised by Willdenow; contains at least one Micronesian species, *Lycopodium marianum*, vol. 5, pt. 1, p. 31, here described as new. LC: QK91. S6, 1797.
- Wilson, W. S.
The copra industry in the Trust Territory of the Pacific Islands.
S. Pac. Comm. Quart. Bull. 3 (3): 33-34, 1953.
Discusses copra plantation industry with statistics on production, export, and acreage, utilizing both Japanese and American figures, talks about future of industry, makes recommendations; photo of plantation on Ponape.
- Yabe, H. and Aoki, R.
Reef conglomerate with small pellets of *Lepidocyclina*-limestone found on the atoll Jaluit.
Jap. Jour. Geol. Geogr. 1: 39-43, 1922.
Mentions Halimeda as a constituent of the limestone of the island. Botanically unimportant.
- Yokota, T.
Waga Nanyō no Seitai [Real aspect of the South Sea Islands].
[1-209, Tokyo, 1933].
Includes notes on foods, material culture, etc. Photographs. In Japanese. LC: Orientalia Jap.

ADDENDA
to the
BIBLIOGRAPHY OF THE LAND ECOLOGY AND ENVIRONMENT OF CORAL ATOLLS

Abe, N.

[The atoll of Kayangaru].
Dôbutsu Bungaku 67: 1940 (reprinted in Abe,
1942, pp. 104-122).
Not seen.

[Record of zoological observations] (Dôbutsu kan-
satsu-ki).
1-237, Hsinking, Manchuria, 1942, Tokyo, 1943.
Not seen.

[A profile of the coconut crab]; in, Oshima,
[Wonders of the South Seas], 66-86, [1943].
Description of crab and its habits, includes
observations made on Kayangel Atoll.

Adamson, A. M.

Marquesan insects: environment.
Bishop Mus. Bull. 139: 1-73, 1936.
Includes, p. 70, a paragraph on Cotar (Coral
I.) in the Marquesas, citing observations of
LeBronnec who visited it in 1922 or 1923.

Alcock, A.

Report of the surgeon naturalist for the year ending
1st March 1892.
Adm. Rept. Marine Surv. India 1891-92: 5-18,
1892.
Report on work of the "Investigator." Includes
sections on the zoology and botany of the Lac-
cades and Minikoy (botany by J. F. Fleming).
This and other yearly reports of the Survey in-
clude brief notes on surveying operations in the
Maldives and Laccadives.

Allaire,

Renseignements sur quelques îles de l'océan
Pacifique.
Ann. Hydrogr. [France] 30: 181-186, 1867.
Includes brief description of Malden, visited
in 1865.

Anderson, R.

Report of the surgeon-naturalist for the year ending

March 31st, 1894.

Adm. Rept. Marine Surv. India 1893-94: 7-12,
1894.

Includes, pp. 8-9, note on *Ocypode ceratoph-
talma* observed on Bingarroo Island, Aukutta,
Laccadives.

Anderson, W. G.

Notes on food habits of sea birds of the Pacific.
Elepaio 14 (12): 80-84, 1954.

Informal observations made over a period of
many years of residence and travel in the Pacific
Islands. Records various sea birds from Central
Pacific and Hawaiian atolls.

Anon.

Midway Islands ... and Ocean Islands, Pearl and
Hermes Group.

U. S. Hydrogr. Notice 1867 (19): 1-9, 1868 b.

Results of survey by U.S.S. Lackawanna in 1867,
including good descriptions of islands. Reprinted
in Naut. Mag. 37: 269-274, 1868, see Anon.
1868.

Renseignements hydrographiques sur quelques îles
de l'océan Pacifique.

Ann. Hydrogr. [France] 31: 331-357, 1868 c.

Information on Midway, Kure and Pearl and
Hermes Reef, translated from the results of the
survey by U.S.S. Lackawanna. Reports grape vine
plants (quelques vignes), probably erroneous trans-
lation for vines.

Auszug aus einem Berichte S. M. Kreuzerkorvette
"Alexandrine", betreffend den Besuch der Lord
Howe-Gruppe (auch Ongtong-Java genannt), west-
lich der Salomon-Inseln.

Mitt. deutsch. Schutzgeb. 3: 87-88, 1890.

Includes brief notes on natives, unimportant.

Meteorologische Beobachtungen auf Uyelang
(Marshallinseln) vom 1. Januar 1894 bis 31.
Dezember 1897.

D. übersee. met. Beobacht. 12: 1-26, 1904 b.

Includes daily observations on atmospheric pressure, temperature and humidity, wind direction and strength, cloudiness and precipitation.

Anon.

Meteorologische Beobachtungen auf Yalut (Marshallinseln) vom 1. März 1893 bis 31. Dezember 1895.

D. übersee. met. Beobacht. 12: 27-40, 1904 c.

Includes daily observations on atmospheric pressure, temperature and humidity, wind direction and strength, cloudiness and precipitation.

Taifun in den Mortlock-Inseln.

D. Kolonialbl. 18: 864-866, 1907 c.

Account of effects of March 1907 typhoon in the Mortlock Atolls.

Campagnes du "De Lanessan" (1925-1929). Liste des stations.

Inst. Océanogr. Indochine Note 17: 1-93, 1931 b.

List of collecting stations of the Institute's research vessel. Includes brief observations on the Paracel and Spratly Islands, and notes on collections made.

The inspection cruise and fishing expedition of President Franklin D. Roosevelt on board USS Houston 16 July 1938-9 August 1938.

1-22, 1-ix, [Washington?, 1938? b] (duplicated).

Day by day account of the cruise, includes a word on Clipperton, mentioning presence of a few scattered palms. Appendix on fishes by W. L. Schmitt. LC: E807. H73 rare books.

[Majuro].

U. S. Naval Med. Bull. 45 (1): cover photograph, 1945 b.

Several photographs and half page of text on the evacuation of natives from Wotje to Majuro during World War II. Unimportant except historically.

Brontispa yoshinoi Barber.

Proc. Hawaiian Ent. Soc. 14: 227, 1951 c.

Mentions *B. chalybeipennis* known from the Marshalls.

Wake Island's big blow.

Life 33 (13): 28-29, 1952 i.

Brief account of Sept. 1952 typhoon, with photos showing effect on Wake.

Anon.

Abstracts and titles of papers and addresses read before the society during the period 1945 to 1947....
Fiji Soc. Sci. Ind. 3: 192-193, 1953 b.

Records discussion of a paper read by Maude (see Maude, 1952) with some notes on Gilbert and Phoenix Islands.

Research on atolls.

Pac. Sci. Ass. Inf. Bull. 6 (1): [8-9], 1954 a.

Announcement of Pacific Science Board expedition to Kapingamarangi with list of participants and a very brief account of the Coral Atoll Program to date.

Dwight Heine asks super safety H-bomb test rules by U. N.

Micronesian Mo. 3 (3): 1, 23, 1954 b.

Protest concerning effects of bomb tests in Marshalls.

Paradise lost.

Micronesian Mo. 3 (3): 2, 1954 c.

Comment on H-bomb tests in Marshalls, reprinted from New York Times.

Dr. Coulter here en route to Pingelap Island survey.

Micronesian Mo. 3 (3): 26, 1954 d.

Mainly biographical but mentions objectives of study on Pingelap of overpopulation problems.

Study of population problems.

Pac. Sci. Ass. Inf. Bull. 6 (3): 5, 1954 e.

Announces a study of population problems on Pingelap Atoll by J. W. Coulter.

Notes of field research.

Pac. Sci. Ass. Inf. Bull. 6 (4): 6-7, 1954 f.

Notes return of J. W. Coulter from trip to Pingelap Atoll to study population problems, mentioning that study was broadened to include various other island groups in Trust Territory (see Anon. 1954 e).

Weather instruments for Christmas Island.

Pac. Sci. Ass. Inf. Bull. 6(4): 8, 1954 g.

Brief description of establishment of a weather station on Christmas Island.

Anon.

Pacific atoll research.

News Rept. 4: 42-43, 1954 h.

Announcement of Coral Atoll Program expedition to Kapingamarangi, with brief notes on program, previous investigations, location and nature of island, and list of personnel.

Gonocephalum seriatum (Boisduval).

Proc. Hawaiian Ent. Soc. 15: 285, 1954 i.

Collected from Johnston by Maehler; new record.

 Biologists to study albatross problem on Midway.
Conservation News 19(21): 10, 1954 j.

Announcement of forthcoming study of albatross nesting habits and possibilities of control to prevent birds from colliding with airplanes.

 The Atomic Energy Commission recently established a marine biological laboratory at Eniwetok in the Marshall Islands.

A. I. B. S. Bull. 5(1): 7, 1955.

Brief note mentioning that the laboratory is also intended for research on land animals and plants.

Araki, S.

Impressions at Losap Island.

Astron. Herald 27(6): 106-109, 1934.

Brief description of island, visited to observe a solar eclipse, with notes on native life; two photos.

Auclair,

Iles Gilbert: le pays; ses habitants, son gouvernement, son histoire religieuse.

Les Missions Catholiques 2853: 104-105; 2854: 114-116, 1924.

Not seen.

Audy, J. R.

A summary topographical account of scrub typhus 1908-1946.

Bull. Inst. Med. Res. F.M.S. 1949(1): 1-84, 1949.

Includes brief mentions of occurrence of scrub typhus in the Maldives and Chagos, p. 29, and on Bat Island, Admiralty Is., p. 34. Bibliography.

Ayyangar, S. R.

Notes on the fauna and fishing industries of the

Laccadive Islands.

Madras Fish. Dept. Rept. 1922(2): 45-69, 1922.

Includes notes on islands visited mentioning size of population, native customs, foods, etc.; some mentions of land animals, mosquitoes, earthworms, etc.

Baker, R. H.

Migrations of shore birds in the central Pacific.

Proc. 7th Pac. Sci. Cong. 4: 383-397, 1953.

Some of the species discussed occur on atolls; a few specific records from the Marshalls are cited.

Balss, H.

Wanderungen bei Decapoden (Crustaceen).

Ergebn. Biol. 6: 305-326, 1930.

Review of information available on migrations of Crustacea. Includes observations made in the Maldives by Borradaile, on hermit-crabs and land crabs.

Bartholomeusz, O.

Minicoy and its people.

London, 1885.

Includes information on physical features of the island, flora, fauna and native life. Not seen, reviewed in *Naut. Mag.* 54: 826, 1885.

Bartlett, H. H.

The reports of the Wilkes expedition, and the work of the specialists in science.

Proc. Am. Philos. Soc. 82: 601-705, 1940.

Useful discussion of history of various reports, with notes on their contents. The appendix lists the species of mammals and birds described in Peale's book, and indicates how they were treated in Cassin's volume. Separate LC: Q115. W8 B3.

Baty, S. C. E.

A report on the Aldabra and Cosmoledo groups of islands.

Unpublished, 1896.

Not seen; said to be in Library, Royal Botanic Gardens, Kew, see Hemsley 1919, p. 110.

[Bell, H. C. P.]

Die Maldiven.

Ausland 60: 761-764, 1887.

Mostly excerpts from Bell 1883.

 Report on a visit to Malé.

Legislative Council of Ceylon, Sessional Paper 15: 1921.

Not seen.

- Bennett, G.
Gatherings of a naturalist in Australasia.
1-456, London, 1860.
Notes on natural history, include, p. 89, description of white-tailed tropic bird from Cocos Keeling; on p. 429, Coetivy described as low and covered with coconut palms. LC: QH197. B4.
- Blanchi, F. A.
Thysanoptera of Samoa.
Proc. Hawaiian Ent. Soc. 15: 93-108, 1953.
Records, p. 107, *Dichaetothrips setidens* (Moulton) from the Tuamotus and Swains.
- Bond, M. F. W.
Turneffe adventure.
Frontiers 18: 137-141, 1954.
Popular account of ornithological expedition to Turneffe Atoll in the Caribbean, with some geographical and natural history information, note on water supply; excellent photographs.
- Bradley, J. T.
The history of Seychelles.
1-465, separately paged and unpagged appendices, indices, etc., Victoria, Seychelles, 1940.
Part (or volume) II, English occupation, includes much information on the outlying atolls, said to be mostly taken from the South Indian Ocean pilot. Notes on guano and on natural history investigations, with various lists of animals. An appendix on butterflies, unpagged (3 pp.), and one on birds, by Vesey-Fitzgerald, i-xxi, include records from the atolls. LC: DT469. S4 B7.
- Brown, W. C. and Marshall, J. T., Jr.
New scincoid lizards from the Marshall Islands, with notes on their distribution.
Copeia 1953: 201-207, 1953.
Systematic and distributional notes with description of a new species and a new subspecies of *Emoia* from Arno Atoll; bibliography.
- Bryan, E. H., Jr.
The Hawaiian Chain.
1-71, Honolulu, 1954 (pub. by B. P. Bishop Museum).
A general geographic treatment with a very little information on the coral atolls of the Leeward Hawaiian Islands.
- Butler, H.
Report on the Trust Territory of the Pacific Islands.
1-40, Washington, 1953 (83rd Congress 1st session committee print).
- Report of U. S. Senate committee investigation of the government of the Trust Territory; little specific reference to atolls, but much general information which applies especially to economic and political matters, with a brief historical summary. LC: DU500. U52.
- Caillet,
Iles Tuamotus.
Ann. Hydrogr. [France] 21: 176-199, 1862.
Includes general geographical notes and a list of atolls with, for each, synonymy, location and brief descriptive paragraph.
- Caldwell, J.
Desperate voyage.
1-324, Boston, 1949.
Account of voyage across the Pacific in a small boat, including, pp. 151-159, a visit to Caroline Island, which, however, author describes as having an active volcano. LC: G530. P32 C28, 1949.
- Carr, A. F., Jr.
The passing of the fleet.
A. I. B. S. Bull. 4(5): 17-19, 1954.
Brief general account of the life history and the history of exploitation of the green turtle in the Caribbean, with suggestions for its conservation; mentions abundance of turtles on Mosquito Banks, with mention of fresh water on the cays of these atolls.
- Catala, R. L.
The economic development of coral atolls. Investigation for Commission in Gilbert Island Group.
S. Pac. Comm. Quart. Bull. 2 (2): 39-41, 1952 c.
Summary report of author's investigations in the Gilberts in 1951.
- Chave, K. E.
Aspects of the biogeochemistry of magnesium. 1. Calcareous marine organisms.
Jour. Geol. 62: 266-283, 1954.
Important analytical data and theoretical considerations on the material of which atolls are made, including analysis of at least one echinoid from Bikini, p. 270.
- Ch'en, M.-H.
Hainan Island.
Shanghai, 1933.
Not seen. Appendix 4, pp. 553-559 includes Paracel Islands.
- Chevey, P.
Rapport sur le fonctionnement de l'Institut Océano-

graphique de l'Indochine pendant l'année 1932-1933.

Inst. Océanogr. Indochine Note 22: 1-18, 1934.

Includes account of visit to Spratly Island, Tizard Bank and other coral islets in the South China Sea, with information on aspect and structure of islets, presence of guano and phosphates, fauna, vegetation, etc. Map.

Chilson, [L. M.]

Fleas on Wake Island.

Proc. Hawaiian Ent. Soc. 15: 1, 1953 a.

Xenopsylla cheopis (Rothschild) new record, identified by C. F. W. Muesebeck.

Insect records from Johnston Island.

Proc. Hawaiian Ent. Soc. 15: 81-84, 1953 b.

Enumeration of species recorded from 1923 to 1952.

Clagg, [C. F.]

[Midway insects].

Proc. Hawaiian Ent. Soc. 15: 269-270, 1954.

Brief paragraph mentioning that more species are now established than were known at the time of last published survey.

Clausen, R. T.

Ophioglossaceae in the Hawaiian Islands.

Am. Jour. Bot. 41: 493-500, 1954.

Incidentally mentions, p. 496, *Ophioglossum pendulum* from Mille, Marshall Is., noting that it approaches *ssp. falcatum* in certain characteristics.

Cloud, P. E., Jr.

Facies relationships of organic reefs.

Bull. Am. Ass. Petr. Geol. 36: 2125-2149, 1952 c.

Marine geology but with mention of islets, some small maps of atolls and table reefs, considerable data on materials of which reefs are composed; bibliography.

A general explanation for the superficial characteristics of existing organic reefs.

Science 117: 466, 1953 b.

Brief note on the recent 6-ft eustatic sea level fall.

Superficial aspects of modern reefs.

Sci. Mo. 79: 195-208, 1954.

Mainly marine geology, but discusses theoretical aspects of the formation of islets, gives data on

materials of which islets are made; several photos of features of Onotoa and Kwajalein atolls; bibliography.

Cole, W. S.

Larger foraminifera and smaller diagnostic foraminifera from Bikini drill holes.

U. S. G. S. Prof. Pap. 260-O: 569-608, 1954 (in press).

Colony of Seychelles

Annual Report of the Department of Agriculture.... 1918?-to date, Victoria, Mahé, continuing.

These reports include scattered information on the Outlying Islands (Amirantes, Glorioso, etc.). See especially 1928: 7-8, 1929; 1930: 5, 1931; 1937: 5, 25-26, 1938; 1949: 18-20, 1950; 1950: 4, [1951]. Notes on guano and phosphate, coconuts, agricultural pests, etc. LC: S338. S4 A3.

Coolidge, H. J.

Biological research in the Pacific area.

A. I. B. S. Bull. 4 (1): 19-20, 1954 a.

Includes information on Pacific Science Board coral atoll research.

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Seventh annual report. Pacific Science Board. 1953.

1-93, National Research Council, Washington, [1954 b].

Contains, pp. 21-28, a brief summary of the coral atoll program of the Board, with short account of summer field work on Ifaluk Atoll, Carolines, and a list of publications resulting from the program; account of coral atoll symposium at 8th Pacific Science Congress.

Couturier, M.

Etude sur les mollusques gastropodes recueillis par M. L.-G. Seurat dans les archipels de Tahiti, Paumotu et Gambier.

Jour. Conch. 55: 123-178, 1907.

Includes a few land species from the Tuamotus.

Cowan, J.

Suvarrow gold and other stories of the Great South Sea.

1-253, London, 1936.

Popular adventure tales, with much information on some Pacific atolls, especially Suvarov. LC: DU21. C8.

Crolzat, L.

Manual of phytogeography.

1-587, The Hague, 1952.

Contains, diffused in a great mass of heterogeneous information, various references to atoll plants, brought in to support the author's ideas on phytogeography. Few serious students are likely to accept the philosophy expounded, and the information, itself, should not be accepted uncritically. LC: QK101. C76.

Daly, R. A.

The glacial-control theory of coral reefs.
Proc. Am. Acad. 51: 155-251, 1915.

Marine geology, but with a close bearing on the age and origin of land on atolls.

Problems of the Pacific islands.
Am. Jour. Sci. 41: 153-186, 1916.

The part on atolls almost entirely marine geology, but discussion of glacial control theory has an important bearing on the origin and age of land on atoll reefs.

A recent worldwide sinking of ocean-level.
Geol. Mag. 57: 246-261, 1920.

Marine geology but with important bearing on the origin and age of land on coral reefs.

Dammerman, K. W.

Preservation of wild life and nature reserves in the Netherlands Indies.
1-91, [Batavia?, 1929].

Illustrated book published on the occasion of the Fourth Pacific Science Congress, Java, 1929; includes a brief description of Klein Kombuis atoll, made a nature reserve as an example of a coral island covered with primeval forest, pp. 35-36. LC: QH186. D3.

Danielsson, B.

Dernières recherches scientifiques à Raroia.
Bull. Soc. Et. Océan. 9: 139-141, 1953 a.

Brief note on the Pacific Science Board 1952 expedition to Raroia.

Raroia, happy island of the south seas.
1-304, Chicago, New York, San Francisco, 1953 b.
American edition of Danielsson, 1951 c and 1952.
More photographs than in 1952 ed. LC: DU 870.
D3454, 1953.

Raroian culture. Part 1. Economy of Raroia Atoll, Tuamotu Archipelago. Part 2. Native topographical terms in Raroia, Tuamotus. Part 3. Native

terminology of the coconut palm in Raroia Atoll. Part 4. Bird names in Raroia Atoll. Part 5. Check list of the native names of fishes of Raroia Atoll. Atoll Res. Bull. 32: 1-109, 1954.

Part 1 a description of material culture and means of livelihood, of very obvious ecological importance; part 2 presents a rational terminology which might contribute to general understanding; part 3 written in collaboration with Aurora Natua.

Dawson, L. S.

Memoirs of hydrography.
1: 1-135; 2: 1-211, Eastbourne, 1885.

Mostly a collection of biographical sketches including many on explorers and discoverers of atolls, with some bibliographical notes. LC: VK597. G9 D3.

Deeken, R.

Rauschende Palmen (Eine Reise durch die Marshall Inseln und Karolinen).
1-204, Oldenburg, 1902.
Not seen.

Doty, M. S.

Floristics and plant ecology of Raroia Atoll, Tuamotus. Part 1. Floristic and ecological notes on Raroia.
Atoll Res. Bull. 33: 1-41, 1954.

Discusses, to some extent, all groups of plants, emphasizing vascular plants, with most attention to ecological relationships including those with man; key to Tuamotuan vascular plants adapted from a manuscript one by F. R. Fosberg.

Doty, M. S. and Morrison, J. P. E.

Interrelationships of the organisms on Raroia aside from man.
Atoll Res. Bull. 35: 1-61, 1954.

Comprehensive discussion of ecological relationships, marine and land, leading to some generalizations; maps and diagrams.

Duffy, E. A. J.

The immature stages of *Sessinia livida* (Fabricius) (Coleoptera: Oedemeridae).
Proc. Hawaiian Ent. Soc. 14: 379-383, 1952.
Mentions occurrence of species in Funafuti and Elllice Islands.

Dumbleton, L. J.

A note on *Aleuroplatus (Orchamus) samoanus* Laing (Hemiptera-Homoptera: Aleyrodidae).
Proc. Hawaiian Ent. Soc. 15: 21-22, 1953.
Mentions a doubtful record from Hikueru, Tuamotus.

- DuMont, P. A. and Neff, J. A.
Report on Midway Islands--albatross study.
1-8, Washington, 1955 (mimeographed by Fish
and Wildlife Service).
Report on a study of albatrosses as a menace to
aviation; much incidental information.
- Dumont d'Urville, J.
Histoire du voyage: in, Dumont d'Urville, Voyage
de découvertes de la corvette l'Astrolabe ... ,
1830-1835.
5 vols., Paris, 1830-1833.
Includes, vol. 4: 487-489, 728-729, 1832, brief
description of Nada Atoll. LC: Q115. D92.
- Dupont [P.] R.
Report on a visit of inspection to St. Pierre,
Astove, Cosmoledo, Assumption and the Aldabra
group of the Seychelles Islands.
[Victoria, Mahé?], 1907.
Not seen; may be report in Library, Royal Botanic
Gardens, Kew, see Hemsley 1919, p. 111.
- Visit to the outlying islands by H. E. the Govern-
or....
Victoria, Mahé, Seychelles, 1929.
Not seen.
- L'archipel des Seychelles....
1938.
Includes much information on coral islands of
the Seychelles Colony. Not seen.
- Dussercle, R.
Archipel de Chagos. En mission. 10 novembre
1933-11 janvier 1934.
1-189, Port Louis, 1934.
Not seen.
- Archipel de Chagos. En mission. Diégo - Six
Iles - Péros. Septembre-novembre 1934.
1-215, Port Louis, 1935.
Not seen.
- L'Ile d'Aigle. Naufrage de la barque Diégo, 20
juin 1935.
1-304, Port Louis, 1936.
Not seen.
- Dans les "Ziles La-Haut", Archipel de Chagos.
1-176, Port Louis, 1937.
- Not seen.
- Dussercle, R.
Agaléga, petite Ile.
1-284, Port-Louis, 1949.
Not seen.
- Dyer, W. R.
Hurricanes.
Fiji Soc. Sci. Ind. 2: 89-96, 1953.
Discussion of tropical storms affecting Fiji. In-
cludes information on a storm which occurred in
1928 at Butaritari.
- Eighth Pacific Science Congress
Proceedings (in press).
Contain a number of papers on atolls, including
a Symposium on ecology of coral atolls.
- Emery, K. O., Tracey, J. I., Jr. and Ladd, H. S.
Geology of Bikini and nearby atolls.
U. S. G. S. Prof. Pap. 260-A: 1-264, 1954.
Not seen.
- Eschscholtz, F.
Beschreibung neuer ausländischer Schmetterlinge
nebst Abbildungen: in, Kotzebue, Entdeckungs-
Reise ... 3: 201-219, 1821.
Includes description of *Apatura rarik* from Radack,
shown in one of the colored plates.
- Exell, A. W.
Combretaceae.
Flora Males. I, 4⁵: 533-628, 1954.
Records *Terminalia samoensis* from the Gilbert,
Ellice and Marshall Islands.
- Finsch, O.
Zur Catalogisirung der ornithologischen Abtheilung.
I. Cuculi. III. Südsee-Papageien.
Notes Leyden Mus. 22: 75-125, 1900 b; 134-161,
1901.
Include a few atoll records.
- Forest, J.
Crustacés décapodes marcheurs des Iles de Tahiti
et des Tuamotu. - I. Paguridés (suite).
Bull. Mus. Hist. Nat. Paris II, 26: 71-79, 1954.
Records 3 species of *Coenobita*, and *Birgus latro*
from the Tuamotus.
- Forster, G.
De plantis esculentis insularum oceanii australis
commentatio botanica.
1-80, Berolini, 1786.
Enumeration of edible plants of the Pacific

Islands, with descriptions and notes on uses and preparation. Includes some records from "demersae" (Low Islands = Tuamotus). British Museum (Natural History).

Fosberg, F. R.

A conservation programme for Micronesia.

Proc. 7th Pac. Sci. Cong. 4: 670-673, 1953 f.

Discusses very briefly conservation problems on atolls, along with high islands.

Soils of the Northern Marshall Atolls, with special reference to the Jemo series.

Soil Sci. 78: 99-107, 1954.

Outlines present knowledge of northern Marshalls, describes a new soil series, discusses its ecological implications including relation to vegetation. Bibliography.

Northern Marshall Islands Expedition, 1951-1952. Narrative.

Atoll Res. Bull. (in press).

Includes extensive observations on geography, geology, natural history, and people.

Northern Marshalls Expedition land biota. Vascular Plants.

Atoll Res. Bull. (in press).

Lists vascular plants collected by author in 1951-1952.

The Pacific forms of *Lepturus* R. Br. (Gramineae). Occ. Pap. Bishop Mus. (in press).

Systematic account including many records from atolls, with one species and several varieties described as new.

[Foster, H. L.]

Catalogue of translations of Japanese geological literature of the Pacific islands.

1-34, [Tokyo], 1954.

List of translations prepared by the Geological Surveys Branch, Office of the Engineer, Headquarters, U. S. Army Forces, Far East, between 1946 and 1953, arranged geographically and by subject; contains a section on coral reefs. These translations are unpublished, but are on file in the library of the U. S. Geological Survey, Washington, D. C.

Frick, K. E.

Further studies on Hawaiian Agromyzidae (Diptera)

with descriptions of four new species.

Proc. Hawaiian Ent. Soc. 15: 207-215, 1953.

Ophiomyia scaevolae described from Canton I.

Gatty, H.

The use of fish poison plants in the Pacific.

Fiji Soc. Sci. Ind. 3: 152-159, 1953.

Includes discussion of drinking of sea-water, quoting an observation of R. Parkinson on Sikaiana.

Gibson-Hill, C. A.

The robber crab.

Malayan Nat. Jour. 3: 10-14, 1948 b.

See Gibson-Hill, 1949 b.

Palau Perak.

Malayan Nat. Jour. 5: 1-4, 1950 k.

Includes incidental bird records from Cocos-Keeling.

Goldman, E. A.

Biological investigations in Mexico.

Smiths. Misc. Coll. 115: 1-476, 1951.

On pp. 101-103, a very brief account of a visit in 1900 to Arcas and Triangle Keys with mention of sea birds and scant vegetation.

Gt. Britain, Colonial Office.

British islands in the southern hemisphere 1945-1951. 1-127, London, 1951 (Cmd. 8230).

Includes information on the Gilbert and Ellice Colony (includes Phoenix Islands), with brief notes on geography, history, economic situation, etc. LC: JV1027. A472.

An economic survey of the Colonial Territories 1951. Volume VI.

1-150, London 1953 (Colonial No. 281-6).

Chapter on Gilbert and Ellice Islands (includes Phoenix and Line Is.) with information on geography, population figures, food plants, timbers, etc. LC:

An economic survey of the Colonial Territories 1951. Volume II.

1-204, London, 1954 a (Colonial No. 281-2).

Includes the Seychelles, mentioning, p. 189, phosphate works of St. Pierre and Astove, exploitation being now much restricted on other islands. LC:

Digest of colonial statistics.

- No. 16: 1-92, London, 1954 b.
This and other numbers of this publication include population figures for atolls: Cochs-Keeling and Gilbert and Ellice colony. LC:
- Gressitt, [J. L.]
Collecting in the Carolines.
Proc. Hawaiian Ent. Soc. 15: 267-269, 1954 a.
Mentions stops made on Johnston, Wake, Kwajalein, Mokil and Pingelap.
- Insects of Micronesia -- Introduction.
Insects of Micronesia 1: 1-257, Honolulu, 1954.
The first of a forthcoming series published by the Bishop Museum resulting from the study by many specialists, of a number of insect collections from Micronesia. Plan of series described in prospectus in vol. 1. Vol. 2, bibliography, in press. The Introduction describes the habitat, including atolls, and gives a historical summary of collecting, as well as a discussion of floras and faunas; includes a list of collecting localities with their locations.
- Grey, E.
Legends of Micronesia. Book one; Book two.
1-119, 1-134, Honolulu, 1951.
Legends compiled for use in schools; many of them deal with atolls and contain some incidental information on natural history but of an unscientific nature.
- Griffin, F. J. et al.
Journal of the Society for the Bibliography of Natural History.
1-, London, 1936-date.
Includes papers on various aspects of bibliography, especially much information on dates of publication of natural history works. Edited by the Secretary of the Society. LC: Z7403. S68.
- Hall, J. N.
On the stream of travel.
1-365, Boston, N. Y., 1926.
Collection of essays, including one entitled "The forgotten one," pp. 297-344, set in an atoll of the Tuamotus and giving some interesting local background. LC: G463. H22.
- Hall, J. N. and Nordhoff, C. B.
Faery lands of the South Seas.
1-355, N. Y., London, 1921.
Collection of essays including several on atolls of the Tuamotus, with much authentic descriptive material. LC: DU510. H2.
- Hall, M.
Journey to the end of an era.
1-438, N. Y., 1947.
Memoirs of an air officer, with, pp. 372-375, brief notes on birds of Midway and Wake, recording slaughter of albatross on Midway just before World War II and a supposed reason why there are no albatrosses on Wake. LC: CT275. H2854. A3.
- Haneda, Y.
[A trip to the outlying islands of Yap].
Collecting and Breeding 1 (9): 419-430, 1939.
Not seen.
- Hansen, I. and Potztl, E.
Beiträge zur anatomie und systematik der Lepetureae.
Bot. Jahrb. 76: 250-270, 1954.
Nachträge, pp. 268-270, includes descriptions of new species of Lepturus from Canton Island and Marshall Is.
- Hardy, D. E.
Ischiodon penicillatus (Hull).
Proc. Hawaiian Ent. Soc. 14: 363, 1952 a.
Recorded from Canton Island.
- Additions and corrections to Bryan's check list of the Hawaiian Diptera.
Proc. Hawaiian Ent. Soc. 14: 443, 1952 b.
Includes a few records from Hawaiian and other atolls.
- Hasebe, K.
On the islanders of Togobei (Nevil's Island).
Jour. Anthropol. Soc. Nippon 43 (2): 63-70, 1928.
Physical anthropology; two plates. In Japanese.
- [The Pingelap Islanders].
Kagaku Nanyō 16: 13-18, 1944.
Not seen.
- Hay, C. P.
Scrub typhus at Port "X."
Jour. R. Nav. Med. Serv. 30 (3): 127-135, 1944.
Port "X" identified as Addu Atoll in Audy, 1949 p. 29. Includes discussion of vectors and alternate hosts i.e. mites and rats.
- Hayward, J. W.
[Report on Fanning and Washington Islands]: in, Fanning Island, Limited (Prospectus).
1-6, 1912.
Not seen.

Heidke, P. ed.

Monatsmittel aus den Terminbeobachtungen der... meteorologischen Stationen.

D. übersee. met. Beobacht. 14: 1-47, 1907.

Includes meteorological observations from Ujelang, pp. 30-32, and Butaritari, pp. 33-34.

Beobachtungen aus dem Schutzgebiet von Deutsch-Neu-Guinea

D. übersee. met. Beobacht. 22: F1-F36, 1912; 23: F1- F42, 1922.

Include data from Ujelang; see Heidke 1907, and Anon. 1904 b for earlier compilations.

Heinl, R. D. and Crown, J. A.

The Marshalls: increasing the tempo.

1-188, Washington, 1954 (U. S. Marine Corps Historical Monograph).

Detailed account of the capture of the Marshalls in 1944, with many photographs showing various aspects of the operations as well as effects on vegetation, much descriptive information; maps. LC: D767. 99. M3 U52.

Hemaley, W. B.

Flora of Seychelles and Aldabra.

Jour. Bot. 54 (640) suppl. II: 1-24; (648): 361-363, 1916; 55: 285-288, 1917.

W. B. Turrill coauthor for last part; the statements of distribution include some low islands of the Seychelles region.

Hermant, P. and Cileto, R. W.

Report of the Mission entrusted with a survey on health conditions in the Pacific Islands.

League of Nations Publications. III. Health. Document CH829: 1-116, 1929.

Includes information on some atolls, among them the Western Islands of the Bismarck Archipelago. Not seen.

Herre, A. W. C. T.

Lichens, including four new species, from Raroia, Tuamotu Archipelago.

Bryol. 56: 278-282, 1953.

Plants collected on Pacific Science Board Raroia expedition, 1952.

Hervé, F.

L'huître perlière et la perle dans les lagons de l'archipel des Tuamotu.

Inst. Océanogr. Indochine Note 29: 73-212, 1936.

Includes a few words describing some of the Tuamotu atolls.

Hickings, A.

Foodstuffs in the Gilbert Islands.

Nat. Med. Pract. Fiji 3: 432-437, 1939.

Notes on foods and the way they are prepared. Gives information on animals and plants present in the atolls.

Hinoyama, Y.

[Morning on an atoll].

Kagaku-Jin 2 (7): 1942.

Said to be also available, in Uchida, S., [Scientific Essays: Living things of the south] (Kagaku Zaihitsu: Minami no Seibutsu), pp. 156-168. Neither of these seen.

Hoogerwerf, A.

Nature protection in the Indonesian Archipelago (Netherlands Indies): in, Skottsberg, Report of the Standing Committee

Proc. 7th Pac. Sci. Cong. 4: 597-605, 1953 b.

On p. 602, a list of fauna- and nature-reserves includes Poelau-Ramboet (Middelburg).

Hooker, W. J.

Species filicum

5 vols., London, 1844-1864.

Systematic enumeration of all known ferns, with some records from atolls, e.g. Agalega, Diego Garcia, etc. Records of various species from "Coral Islands" based on Beechey collections, but whether these are from atolls or what coral islands are represented is not known. LC: QK523. H76.

Hornell, J.

Report on the results of a fishery cruise along the Malabar coast and to the Laccadive Islands in 1908. Madras Fish. Bur. Bull. 4: 71-126, 1908.

Includes brief mentions of aspect of islands and native life.

Report on the fisheries and fish resources of the Seychelles Islands.

1-76, [London], 1927 a.

Results of survey in 1926-27; includes brief notes on the coral island dependencies. LC: SH315. S4H6.

The turtle fisheries of the Seychelles Islands.

[London], 1927 b.

Not seen.

Hutchinson, G. E.

The biogeochemistry of phosphorus: in, Wolteriak, L. F., ed., The biology of phosphorus, 1-35, [East Lansing], 1952.

- Includes brief discussion of phosphate and guano accumulation on central Pacific atolls. LC: QP535. P1 W8.
- Ingle, R. M. and Smith, F. G. W.**
Sea turtles and the turtle industry of the West Indies, Florida and the Gulf of Mexico, with annotated bibliography.
1-107, Coral Gables, Fla., 1949.
No mention of atolls, except for some quotations from Homell, 1927 b, which refer probably to the coral island dependencies of the Seychelles, but useful general information on species which occur on atolls. LC: SH399. T9 I5.
- Johnson, J. H.**
Fossil calcareous algae from Bikini Atoll.
U. S. G. S. Prof. Pap. 260-M: 537-546, 1954.
Briefly discusses importance of algal remains in deposits on Bikini; describes and illustrates various species, some of them new, from fossils.
- Jouan, H.**
Notes sur quelques animaux et quelques végétaux... dans les îles du Grand-Océan....
Mém. Soc. Sci. Nat. Cherbourg 18: 129-264, 1874.
Mentions abundance of turtles on Christmas I., p. 242, and includes some notes on coconuts in the Tuamotus, pp. 252-253.
- **A propos du peuplement de la Polynésie.**
Mém. Soc. Sci. Nat. Cherbourg 24: 119-192, 1882 a.
General notes on origin of Pacific Islands and their colonization by plants and animals including man. Includes scattered notes on atolls.
- **Quelques mots sur le peuplement végétal des îles de l'Océanie.**
Bull. Soc. Linn. Normandie IV, 6: 173-198, 1882 b.
Notes on plant distribution and origin of floras in the Pacific; includes a few mentions of atoll plants and a note to the effect that all coconut palms in the Tuamotus were planted, according to local tradition.
- Jung, K. E.**
Weltteil Australien.
4 vols., Leipzig, Wien, Prag, 1882-1883 (pub. as vols. 6, 8, 11, and 13 of *Das Wissen der Gegenwart*).
Geographical description of Australia, New Guinea, Melanesia, Polynesia and Micronesia. Information on islands compiled from many sources. Includes various atoll groups. LC: DU22. J8.
- Kalra, S. L.**
Addu Atoll (Maldivé Islands), its people and its important diseases.
Jour. Ind. Army Med. Corps 3 (3): 137-141, 1947.
Includes brief description of atoll, information on water supply, foods, population numbers, and diseases, their agents and vectors.
- Kaszab, Z.**
A new species of *Gonocephalum* (Col., Tenebrionidae) from the Philippine Islands.
Ann. Mag. Nat. Hist. XII, 4: 182-185, 1951.
Records *Gonocephalum adpressiforme* n. sp. from Canton I.
- Keck, C. B.**
Midway Island insects.
Proc. Hawaiian Ent. Soc. 14: 351, 1952 a.
Brief report on identifications of Midway insects.
- **New records from Kwajalein.**
Proc. Hawaiian Ent. Soc. 14: 369, 1952 b.
Latrodectus geometricus and *Culex quinquefasciatus*.
- Kennedy, D. G.**
The Polynesian outliers of Melanesia.
Fiji Soc. Sci. Ind. 3: 28-44, 1953.
Includes brief geographical notes on Ontong Java and Sikaiana, with mentions of population figures, foods, material culture, etc.
- Kennedy, J. N.**
A little-known bird colony in the Gulf of Mexico.
Ibis X, 5: 41-43, 1917.
Notes on birds observed in 1912 on Alacran.
- Knoll, D. V.**
Climatology (Asiatic station).
H. O. No. 219: 1-97, Washington, 1941.
Includes summaries of climatological data for Cocos - Keeling, Diego Garcia, Minicoy, Jaluit, Midway, and Wake, and general discussion of typhoon tracks. LC: QC982. K6.
- Kotzebue, O. von**
Entdeckungs-Reise in die Süd-See und nach der Berings-Strasse ... 1815 ... 1818 ... auf dem Schiffe Rurick
3 vols., Weimar, 1821.
See annotation of English translation, 1821. LC: G420. K76.

- Krauss, L. N. H.
Insects and other invertebrates from Palmyra Atoll and Christmas Island.
Proc. Hawaiian Ent. Soc. 15: 217-220, 1953.
Enumeration including crustacea, arachnida, insects, land mollusks and a lizard.
- Krempf, A.
Rapport sur le fonctionnement de l'Institut Océanographique de l'Indochine pendant l'année 1929-1930. Inst. Océanogr. Indochine Note 15: 1-47, 1931 b.
Includes account of exploration of Spratly Island and Ladd Reef in South China Sea, with geographical description of Spratly, notes on water supply, vegetation, presence of phosphate, etc.
- Ladd, H. S.
Foundations of Eniwetok Atoll.
Bull. Geol. Soc. Am. 63: 1273, 1952.
Abstract, briefly summarizes results of drilling on Eniwetok; some mention of materials of which the atoll is composed.
- Ladd, H. S., Ingerson, E., Townsend, R. C., Russell, M. and Stephenson, H. K.
Drilling on Eniwetok Atoll, Marshall Islands.
Bull. Am. Ass. Petr. Geol. 37: 2257-2280, 1953.
Preliminary report on first boring ever to reach volcanic foundation of an atoll. Layers containing unidentifiable carbonaceous material encountered between 800 and 900 feet depth suggest land or shore vegetation in what is considered Miocene age limestone. The results of this work are fundamental to any consideration of the geological history of atolls.
- Ladd, H. S., Tracey, J. I. and Lill, G. C.
Drilling on Bikini Atoll, Marshall Islands.
Science 107: 51-55, 1948.
Brief account of drilling and indications of nature and age of materials encountered; comparison with earlier cores from other islands.
- Lamberty, E. W.
Met de "Kroja" naar Taha-uku.
1-240, Amsterdam, 1952.
Account of a voyage in a small boat through the South Seas, touching many islands including the atolls Caroline, Tongareva, and Christmas, discussing them superficially on pp. 214-230; many good photos of Tongareva, and one labelled Caroline which is doubtless mislabelled, as it shows a high island. Map. LC: G463. L22.
- Lanjouw, J. and Stafleu, F. A.
Index herbariorum. Part I. The herbaria of the world. Second edition.
Regnum Veg. 2: 1-179, 1954 (ed. 1 pub. 1952).
List of herbaria of world, with indication of regions in which they specialize. No direct mention of atolls but many of these herbaria contain specimens of plants from atolls.
- Leduc, S.-E.
Histoire d'Auguste Leduc dans l'île de Galéga. Nouvelle Revue Historique et Littéraire de l'île Maurice 1-5: 1897-1901.
Published from the original manuscript now preserved in the Archives Office of Mauritius. Not seen.
- Lee, C. Y.
Areas of 3338 islands along the coast of China. Jour. Geogr. Soc. China 2 (4): 17, 85-167, 1935 [1936].
Includes Pratas and the Paracel Islands, p. 167. Text in Chinese with abstract in English p. 17. Tables in Chinese and Roman script, altitudes and areas in Arabic numerals.
- Le Gras, A.
Renseignements géographiques, ethnographiques, etc., sur quelques îles de l'océan Pacifique, extraits de notes publiées par L.-H. Galick. Ann. Hydrogr. [France] 26: 75-135, 1864.
Includes information on the Marshalls, Carolines and Gilberts.
- [Lemasson, H.]
Notice sur les Etablissements français de l'Océanie. 1-127, [Paris, 1900].
General notes on French Oceania. Includes a chapter on the Tuamotus, with some geographical description but too general to be of much use. LC: JV1827. L6.
- Lessa, W. A. and Lay, T.
The somatology of Ulithi Atoll.
Am. Jour. Phys. Anthrop. n.s. 11: 405-412, 1953.
Study of physical anthropology with population figure for 1949. Photographs of people.
- Lever, R. J. A. W.
Life on a coral atoll.
Corona 4: 220-222, 1952.
Brief description of Sikaiana, with mention of cultivated plants and notes on native life.
- Life on a coral atoll with special reference to Sikaiana.
Fiji Soc. Sci. Ind. 2: 223-234, 1953 a.

- Includes general notes on the origin, geology, fauna and flora of atolls, occasionally not too accurate. Description of Sikalana, with notes on diseases, foods, animals; mentions use of pumice in gardens.
- Lever, R. J. A. W.
Distribution of faunal species in Oceania.
Fiji Soc. Sci. Ind. 3: 70-77, 1953 b.
Zoogeographic; mentions presence of a *Rhynogonus* on Wake and includes note by Maude recording recent arrival of mosquitoes on Christmas (absent in 1937, abundant in 1944) and an instance of crocodiles being stranded on Butaritari about 1925.
- Lieftinck, M. A.
Notes on some dragonflies (Odonata) of the Cook Islands.
Proc. Hawaiian Ent. Soc. 15: 45-49, 1953.
Includes records from Puka-puka.
- Lincoln, G.
Un voyage à Agaléga.
Revue Historique et Littéraire de l'Île Maurice 6: 295-298, 308-314, 1893.
Also printed separately with illustrations. Not seen.
- Linke, F.
Die Brandungsbewegungen des Erdbodens....
Abh. K. Ges. Wiss. Göttingen math.-phys. Kl. n.f. 7(3): 1-58, 1909.
Geophysical study on Samoa, includes incidental data on winds and storms on Pacific atolls, with dates of several hurricanes.
- Lionnet, J. F. G.
Coral islands.
Corona 4: 260-262, 1952.
General notes on coral islands near the Seychelles, including Cosmoledo, with notes on origin, aspect, vegetation, etc.
- Luke, H.
The Gilbert and Ellice Islands colony.
Geogr. Mag. 16: 242-247, 1943.
Brief general notes, with some photographs. Maps.
- Lynam, E. ed.
Richard Hakluyt & his successors. A volume issued to commemorate the centenary of the Hakluyt Society.
1-192, 1-1xviii, London, 1946 (Hakluyt Society II, 93)
Includes a list of the Society's publications, some of which are listed in this bibliography.
LC: G161. H2, II, no. 93.
- Macdonald, J. D. and Lawford, P. A.
Sight records of birds in the Pacific: compiled from the bird log kept during the recent cruises of H. M. S. Challenger.
Emu 54: 7-28, 1954.
Includes some birds recorded near Pacific atolls in 1950-52.
- MacMillan, H. G.
Symposium on atoll research.
S. Pac. Comm. Quart. Bull. 1(2): 26-27, 1951 b.
Brief account of Washington and Honolulu Atoll Symposia, 1951. For papers prepared for these meetings, see Atoll. Res. Bull. 1 and 2: 1951.
- MacNeill, F. S.
Organic reefs and banks and associated detrital sediments.
Am. Jour. Sci. 252: 385-401, 1954 a.
Mainly a discussion of geologic terminology but with some information on reefs and the islands on them. Special reference to northern Marshall atolls.
- The shape of atolls: an inheritance from subaerial erosion forms.
Am. Jour. Sci. 252: 402-427, 1954 b.
Marine geology, mainly an exposition of author's theory of atoll-formation, but with occasional mention of islands. Discusses significant sea-level changes in post-Tertiary time.
- Maehler, [K. L.]
Beetles intercepted in quarantine.
Proc. Hawaiian Ent. Soc. 15: 13, 1953.
Include two species of *Anomala* taken respectively on a ship from Midway and a plane from Wake.
- Märcker, M.
Sidney-Guano.
Magdeburgische Zeitung 121: 1884.
Not seen except for abstracts in Bierdermanns Centralbl. 13: 785, 1884 and Jour. London Chem. Soc. Abstr. 48: 429, 1885, which give analysis by Gilbert of guano from Sydney Island.
- Mason, L., Hiatt, R. W. and Cox, D. C.
The Arno Atoll project.
Proc. Haw. Acad. Sci. 26: 5, 1951.
Brief description of Pacific Science Board 1950 expedition to Arno.

Massal, E.

Dietary and nutritional problems in the Pacific.
S. Pac. Comm. Techn. Pap. 59: 1-13, 1954.
Includes discussion of such problems on atolls.

Matsumura, A.

[The physical characteristics of the natives of
Mokmok Island].
Jour. Anthropol. Soc. Nippon 33 (4): 112-113,
1918.
Anthropometric observations made on occupants
of a canoe which drifted to Japan. In Japanese.
LC: *Orientalia Jap.*: 468. O5 J7.

Maude, H. E.

Report on the colonization of the Phoenix Islands
by the surplus population of the Gilbert and Ellice
Islands.
Suva, Fiji (Govt. Printer), 1938.
Not seen.

The British Central Pacific Islands: a report on
land classification and utilization.
Proc. 7th Pac. Sci. Cong. 6: 89-97, 1953 c.
Brief geographic descriptions and economic ap-
praisals of the Gilbert, Ellice, Phoenix, Line,
Malden, Starbuck, Flint, Vostok, and Caroline is-
lands, with plans for their settlement and economic
development, under the continuing official illu-
sion that population problems can be solved by
emigration.

Mayr, E.

Report of the standing committee on distribution
of terrestrial faunas in the inner Pacific.
Proc. 7th Pac. Sci. Cong. 4: 5-11, 1953 a.
Includes information on recent researches in the
Pacific, including some on atolls.

On the origin of bird migration in the Pacific.
Proc. 7th Pac. Sci. Cong. 4: 387-394, 1953 b.
Includes discussion of birds which winter on cen-
tral Pacific atolls.

McCann, C.

Distribution of the Gekkonidae in the Pacific area.
Proc. 7th Pac. Sci. Cong. 4: 27-32, 1953.
Includes information on dispersal, and records
Hemidactylus frenatus from the Amirantes.

Meek, A. S.

A naturalist in cannibal land.
1-238, London, 1913.
Includes, pp. 201-202, brief description of

Bramble Cay mentioning immense numbers of sea
birds. LC: DU740. M4.

Merrill, E. D.

Bibliographic notes on G. Forster's "*De plantis
esculentis insularum oceani australis*" (1786).
Pac. Sci. 8: 35-40, 1954.
Discussion of this neglected work of Forster's with
critical remarks on some of the species mentioned
there including *Lepidium piscidium* Forst. f. stated
by Solander, m.s., to be "...copiosissime autem
in insulis depressionibus Oceani Pacifici."

[Midkiff, F. E.]

HICOM tells Trusteeship Council of progress made
in Trust Territory administration.
Micronesian Mo. 3 (4): 6, 15-17, 1964.
Extracts from report to United Nations, with var-
ious bits of miscellaneous items on atolls, mostly
of an economic nature.

Miller, H. A.

Bryophytes collected by F. R. Fosberg in the Mar-
shall Islands.
Atoll Res. Bull. (in press).
Report on collection of mosses and hepatics from
northern Marshalls, with several recorded as new
to Marshall Islands.

Miller, H. A. and Doty, M. S.

Floristics and plant ecology of Raroua Atoll, Tua-
motou. Part 3. Ecological and floristic notes on
the Bryophyta of Raroua.
Atoll Res. Bull. 33: 55-56, 1964.
Systematic list and brief ecological observations.

Montagne, C.

Seconde centurie de plantes cellulaires exotiques
nouvelles, Decade X (1).
Ann. Sci. Nat. II Bot. 16: 266-282, 1841.
List with descriptions of some new species, in-
cluding, pp. 271-276, a list of algae, fungi, hepa-
tics, and mosses collected by Leduc on Galega
(Agalega), some described as new.

Montagne, [J. F.] C.

Cryptogames cellulaires: Algues, lichens, hépa-
tiques et mousses: in, Voyage ... la Bonite, Bo-
tanique, III: 1-163, 205-314, Paris, 1844-1846.
Includes at least one atoll record, *Hookeria
leduceana* from Galega (Leduc) p. 292. LC:
Q115. V18.

Sylloge generum specierumque cryptogamarum....
1-xxiv, 1-498, Paris, 1856.

- Includes at least one atoll record, *Hookeria leduceana* from Galega (Leduc), p. 13. LC: QK507. M75.
- Morrison, J. P. E.**
 Animal ecology of Raroia Atoll, Tuamotus. Part 1. Ecological notes on the mollusks and other animals of Raroia. Part 2. Notes on the birds of Raroia.
 Atoll Res. Bull. 34: 1-26, 1954.
 Brings out numerous ecological relationships of many animals of various groups, both land and marine, and reports many species for the first time from the Tuamotus.
- Moul, E. T.**
 Algae of Onotoa, Gilbert Islands.
 Phyc. News Bull. 6: 19-20, 1953.
 Abstract of paper on distribution of algae on island, mostly marine but includes freshwater ones from wells and taro patches.
-
- Preliminary report on land animals at Onotoa Atoll, Gilbert Islands.
 Atoll Res. Bull. 28: 1-28, 1954.
 Result of expedition in 1951; vertebrates listed by species, invertebrates by classes and orders with such species as have been determined; important ecological observations, associating animals with habitats.
- Murai, M.**
 Nutrition study in Micronesia.
 Atoll Res. Bull. 27: 1-239, 1954.
 Detailed study of the foods and food habits of the inhabitants of Majuro, with analyses of certain foods; similar study for Udot, Truk and comparison of the nutrition of natives of these two communities (atoll and high island).
- Namiye [M.]**
 Zoological collection from Minami-Torishima.
 Zool. Mag. (Tokyo) 17 (201): 218-226, 1905.
 In Japanese with lists of species in Roman type; includes lists of birds, lizards, fish, crustacea and mollusks from Marcus. Title in English on cover.
- Nanyō Chō [South Seas Government]**
 Nanyō Guntō Shashin Chyō [Photo album of the South Sea Islands].
 1-4, 1-90, [Palau, 1932].
 Album of photos of Micronesian Islands, including Caroline and Marshall atolls, showing aspect of islands and natives, vegetation, plants, material culture, etc. LC: Orientalia Jap.
- Nanyō Chō [South Seas Government]**
 Nanyō Chō Tokel Nenpō [Annual Statistical Report].
 [1933: 1-431, 1933; 1934: 1-472, Tokyo, 1934].
 Yearly statistical reports, only these two seen in LC; include data on meteorology, population, etc. in the Marshalls. LC: Orientalia Jap.: 357. 4. N183.
-
- Nanyō Guntō Chihō-byō chōsa igaku ronbun-shū** [Collection of medical papers on local diseases in the South Seas Islands].
 [5 vols., Palau, 1933-1939].
 Only vol. 2: 1934, seen. The series includes reprints from medical literature and papers unpublished before. Some concern the Marshalls, and contain data on human parasites, infectious diseases, human serology, etc. LC: Orientalia Jap.
-
- Nanyō Guntō Tōsai Chōsasho [South Sea Islands Condition, Investigation Report].**
 [1937 (1): 1-731, Tokyo, 1937; (2): 1-86, 47 plates of maps, 1937].
 Part 1 includes population census for individual islands including atolls; part 2 includes maps of most of the islands, including atolls. LC: Orientalia Jap.
- Nay, G.**
 Mission géodésique des Tuamotu (Janvier 1947-Juin 1950).
 Ann. Hydrogr. [France] IV, 2: 1-31, 1952.
 Account of surveying work in the Tuamotus resulting in charting 46 atolls and obtaining various data on their location.
- Newell, N. D.**
 Expedition to Raroia, Tuamotus. Part 1. Expedition to Raroia, Tuamotus. Part 2. Physical characteristics of Raroia. Part 3. General map of Raroia Atoll.
 Atoll Res. Bull. 31: 1-21, 1954 a.
 Describes circumstances of expedition; some general discussion of Pacific atolls; description of physical features and geology of Raroia; maps.
-
- Reefs and sedimentary processes of Raroia.**
 Atoll Res. Bull. 36: 1-35, 1954 b.
 Mainly marine ecology but with considerable reference to the material of which the land is made and to its mode of deposition.

- Newhouse, J.
Floristics and plant ecology of Raroia Atoll, Tuamotus. Part 2. Ecological and floristic notes on the Myxophyta of Raroia.
Atoll Res. Bull. 33: 42-54, 1954.
In addition to listing species present gives important consideration to ecological role of blue-green algae in the soil and rock surfaces; diagrams.
- Ngôl, N.-D. and Tan, N.-T.
Visite botanique au récif Tizard.
Bull. Econ. Indoch. 39: 769-775, 1936.
Description of three islets on Tizard Bank, with information on plants, vegetation, soils, with soil samples analysed by Tkatchenko. Guano and phosphate present on one islet. Photos, map indicating distribution of plants on one islet.
- Nightingale, T.
Oceanic sketches.
1-132, London, 1835.
Narrative of visits to various Pacific Islands, with some natural history notes, includes, pp. 71-72, a word on Palmerston, mentioning abundance of red tropic birds. LC: DU21. N68.
- Nordhoff, C. and Hall, J. N.
The hurricane.
1-257, Boston, 1936.
Novel, set in the Tuamotus, with excellent descriptive matter and a graphic account of a hurricane and its effects on an atoll. LC: PZ3. N764 Hu.
- Numa, J.
Penrhyn Island.
Nat. Med. Pract. Fiji 3: 415-416, 1939.
Brief description of the atoll with notes on climate, population, diet, diseases, etc.
- Oakley, R. G.
Notes on economic insects of Micronesia.
Proc. 7th Pac. Sci. Cong. 4: 174-185, 1953.
Lists many pests of crops in the Caroline and Marshall Islands; includes results of U. S. Commercial Company survey.
- Oosting, H. J.
Ecological processes and vegetation of the maritime strand in the southeastern United States.
Bot. Rev. 20: 226-262, 1954.
Critical review, including occasional bits of information on the Dry Tortugas; bibliography.
- Oshima, M. ed.
Nankai no Kyôji [Wonders of the South Seas].
1-314, [Tokyo, 1943].
Includes chapters by various authors on natural history of Micronesia. See Abe, and Uchinomi, 1943. LC: Orientalia Jap.: 485. 74 O82.
- Papy, H. R.
Etude sur la végétation des îles de la Société et de Makatêa.
Ann. Biol. 29: 539-542, 1953.
Includes a few lines on the origin of atoll floras. Unimportant from the point of view of atolls.
- La végétation des îles de la Société et de Makatêa. (Océanie française). Première partie.
Trav. Lab. For. Toulouse V(2), 1(3): 1-162, 1954.
Contains, pp. 56-58, a short geographical account of the atolls of the Society Is., but nothing on their vegetation. Pl. XXII reproduces aerial photos of Tupai and Bellingshausen.
- Parham, B. E. V.
Recent scientific developments in the Pacific.
Fiji Soc. Sci. Ind. 4: 19-35, 1953.
Includes mention of various projects concerning atolls.
- Paynter, R. A., Jr.
Autumnal migrants on the Campeche Bank.
Auk 70: 338-349, 1953.
Includes brief description of Cayos Arcas, Cayo Arenas and Arrecifes Triángulos, mentioning plants and insects, and discussing bird migrants. Bibliography.
- Pease, W. H.
On the existence of an atoll near the west coast of America....
Proc. Calif. Acad. Sci. 3: 199-201, 1863.
Descriptive note on Clipperton quoting from various accounts. Mentions of plants and water supply.
- Pemberton, C. E.
Atolopus tamulus (F.)
Proc. Hawaiian Ent. Soc. 14: 348-349, 1952.
Records this grasshopper from Canton I., probably brought by airplanes.
- Economic entomology in Guam and Micronesia.
Proc. 7th Pac. Sci. Cong. 4: 94-96, 1953 b.
Includes information on insect pests, and the parasites introduced to control them, with examples from Majuro and Ulithi.

Pemberton, C. E.

Insect quarantines within the Pacific.

Proc. 7th Pac. Sci. Cong. 4: 314-317, 1953 c.

Includes information on quarantine stations at Midway and Canton Is., and mentions of recent introductions of pests on Johnston and Majuro.

Invertebrate Consultants Committee for the Pacific report for 1949-1954.

1-56, Washington, 1954 (processed by Pacific Science Board).

Mainly economic entomology; mentions many insects and other arthropods from Marshall and Caroline atolls; bibliography.

Peters, F. E.

Bibliography of the nutritional aspects of the coconut.

S. Pac. Comm. Techn. Pap. 58: 1-35, 1954.

Contains 181 titles, with annotations giving summaries of biochemical data.

Phillip, C. B. and Köhls, G. M.

Studies on Tsutsugamushi disease

Am. Jour. Hyg. 42: 195-203, 1945.

Study of disease on Bat Island, Purdy Islands.

Includes brief description of island, its vegetation and fauna. Photos showing vegetation, including one aerial view of island.

Phoenix Guano Company (Williams, Haven and Company, Agents)

Phoenix guano from McKean's Island, Pacific Ocean, imported by the Phoenix Guano Company. Analysis by S. W. Johnson, Yale.

1-8, New London, 1860.

Not seen.

Phoenix guano from Pacific Ocean, imported by the Phoenix Guano Company.

1-20, New London, 1871.

Not seen.

Poey, A.

Bibliographie cyclonique.

Ann. Hydrogr. [France] 28: 305-396, 1865.

List of 1008 papers on cyclones, typhoons, storms, etc., many of which may have affected atolls.

Poole, A. J. and Schantz, V. S.

Catalog of the type specimens of mammals in the United States National Museum. . . .

Bull. U. S. Nat. Mus. 178: 1-705, 1942.

Includes, p. 462, type of *Rattus exulans* Peale,

mentioning Peale's records from Tuamotus, Wake and Hull Islands.

Rabenhorst, R.

Malden, eine Guano-Insel im Grossen Ozean.

Aus allen Weltt. 8: 217-219, 1877.

Brief description of Malden after a visit in 1876; notes on guano and guano digging, and on archeological sites. A word on Oeno and a view of it.

Radford, C. D.

Larval and nymphal mites (Acarina; Trombiculidae) from Ceylon and the Maldive Islands.

Parasitology 37: 46-54, 1946.

Records several mites, some of them new species, mentioning their hosts, from the Maldives.

[Reed, J. W.]

China Sea.

Merc. Mar. Mag. 14: 321-330, 1867; 15: 266-270, 1868.

Includes descriptions of Tizard Bank and the Paracel Islands and other coral islets in the South China Sea. Survey by H. M. S. Rifleman in 1867. Same information in Naut. Mag. 36: 698-703, 1867 and U. S. Hydrographic Notices 1867 (16): 1867 and 1868 (14): 1868.

Riesenberg, S. H.

Modern atomic exiles.

Micronesian Mo. 3 (3): 3, 21-23, 1954 a.

Account of relocation of people from Utirik and Rongelap after H-bomb explosion which showered their atolls with radioactive dust, some figures on livestock lost on atolls.

Community development project at Kili progresses under James Milne's leadership.

Micronesian Mo. 3 (4): 8, 19-20, 1954 b.

Principally concerns agricultural development by the displaced Bikini people.

Riley, G. A.

Practical aspects of coral reef growth.

Woods Hole Ocean. Inst. Techn. Rept. 3: 1-28, 1948 (mimeographed).

Compilation of available information with bibliography. Includes incidental mentions of land formation on atolls from coral and other debris.

Ritzenthaler, R. E.

Native money of Palau.

Milw. Mus. Pub. Anthropol. 1: 1-46, 1954.

Mainly concerns high islands, but brief and rather unimportant mentions of Kayangel and Ngaruani.

Ross, E. S.

A new species of Embloptera from Oceania.
Proc. Hawaiian Ent. Soc. 14: 307-310, 1951.
Oligotoma (Aposthonia) oceania recorded from
Fanning and Laysan.

Rosset, C. W.

On the Maldivé Islands, more especially treating
of Málé Atol.
Jour. Anthr. Inst. Gt. Brit. 16: 164-174, 1886.
Brief geographical description, including men-
tion of presence of "lava rock and pumice stone";
mostly account of visit and notes on native life.

Minikoy und seine Bewohner.

Ausland 64: 16-19, 35-39, 67-71, 1891.
Geographical description with information on
plants and animals, foods, native life, etc.

Die 14000 Malediven-Inseln.

Mitt. Geogr. Ges. Wien 39 (n.f. 29): 597-
637, 1896.
Includes some geographical and much historical
information. Notes on plants and animals, es-
pecially economic ones.

Rumphius, G. E. [Rumpf]

Herbarium amboinense....
1: 1-200, Amsterdam, etc., 1741; 2: 1-270, 1741;
3: 1-218, 1743; 4: 1-154, 1743; 5: 1-492, 1747;
6: 1-256, 1750; Auctuarium: 1-74, 1755; Index
universalis: [20 pp. unpagged], 1755.

For discussion of this work see Merrill, E. D.,
An interpretation of Rumphius's Herbarium am-
boinense, Bureau of Science Pub. 9: Manila, 1917.
In Dutch and Latin on parallel columns. Latin
text, notes, Index universalis, etc. by J. Burman.
Vol. 1, pp. 1-25, discussion of coconut, men-
tioning its presence and uses in the Maldives. LC.

Sabatier, E.

Le poème de l'île Apemama du Pacifique. Les
Gilbert.
1-197, Paris, 1929.
Not seen.

Sous l'équateur du Pacifique, les îles Gilbert et
la mission catholique.

1-292, Paris, 1939.
Not seen.

Sachet, M.-H.

A summary of information on Rose Atoll.

Atoll Res. Bull. 29: 1-25, 1954.

A digest of all available information pertinent
to history, geography, and land ecology of this
island of the Samoan Group; bibliography.

Sachet, M.-H.

Pumice and other extraneous volcanic materials
on coral atolls.

Atoll Res. Bull. (in press).

Comprehensive literature review with biblio-
graphy.

St. John, H.

Origin of the sustenance plants of the Polynesians.
Proc. Seventh Int. Bot. Cong. 152-154, 1953.

Discussion of distribution of food plants of the
Polynesians, mentioning Polynesian vernacular
names for some of them in Nukuoro and Kapin-
gamarangi.

Sandermann, J.

Some observations on the problem of "self govern-
ment" in the Trust Territory of the Pacific Islands.
1-131, Honolulu, 1953.

An excellent essay in the political science of
island peoples; with much incidental information
on geographical and anthropological matters but
surprisingly little on economics; incidental figures
on human populations of atolls.

Schlaginhaufen, O.

Zur Anthropologie der mikronesischen Inselgruppe
Kapingamarangi (Greenwich-Inseln).

Arch. Klaus-Stiftung 4 (3): 215-287, 1929.

Account of a visit in 1908, with detailed physical
anthropological investigations; examination of the
ideas of origin of Kapingamarangi people in light
of this investigation, with special comparison with
the peoples of Nukumanu and Jaluit. Map, photo-
graphs of people.

Serventy, D. L.

Movements of pelagic sea-birds in the Indo-Pacific
region.

Proc. 7th Pac. Sci. Cong. 4: 394-407, 1953.

Includes discussion of migration of Puffinus
tenirostris, citing records from the Marshalls and
Tuamotus.

Seurat, L. G.

Vocabulaire des termes d'histoire naturelle (ani-
maux et plantes), dans les dialectes tahitien,
tuamotu, mangarévien et marquisien.

1-28, Chalons-sur-Saône, 1906 c.

Not seen.

- Shortt, J.
 Monograph of the cocoanut palm, or *Cocos nucifera*.
 1-22, Madras, 1888.
 Describes, p. 16, coir manufacture in the Laccadives. Not seen.
- Simmons, J. S. et al.
 Global epidemiology.
 Vol. 1: 1-504, Philadelphia, London, Montreal, 1944.
 Includes information on diseases and their vectors, sanitation, medical facilities, water supply, etc. for atoll groups of the Indian and Pacific Oceans. Bibliography. LC: RA651. S48.
- Sloan, N. R.
 Leprosy in the Trust Territory of the Pacific Islands.
 S. Pac. Comm. Techn. Pap. 57: 1-18, 1954.
 Includes mentions of need for an epidemiologic study of the Marshalls.
- Sogen, S.
 [Dengue fever in the South Sea Islands I.]
 Sei-I-Kai Med. Jour. 60: 958-986, 1941.
 Includes attempt to correlate the incidence of the disease with climatic conditions. Data on incidence in the Jaluit district. In Japanese.
- Someki, A.
 [A week's stay in the English Gilbert Islands].
 Jap. Jour. Ethn. 5(1): 47-74, 1939.
 Mostly information on material culture. Photos.
- Sonnenschein,
 Bemerkungen über die Wotje- oder Rumanzoff-Inseln (Radak-Archipel)....
 Mitt. deutsch. Schutzgeb. 2: 26-29, 1889.
 Includes reminiscences of a Marshallese who was on Wotje during the visit of Kotzebue with the Rurick, 1817, and recalls that Kotzebue left dogs and cats, which were later taken to Maloelap. Sketch maps of Wotje islets, diagrammatically showing vegetation.
- South Pacific Commission
 Summary of Project E. 6. Economic development of coral atolls.
 S. Pac. Comm. Quart. Bull. 1(1): 21, 1951.
 Brief notes on economic situation of atolls and description of the Commission's projected investigations. Succeeding numbers include brief progress reports, some of them with important information, on the project.
- [South Seas Government], 1927.
 See main bibliography. Copy in Japanese Section, Orientalia Division, LC.
- Sparhawk, W. N.
 Notes on forests and trees of the central and southwest Pacific area.
 [1-78, Washington, 1944] (mimeogr. by U. S. Forest Service).
 Compilation giving data on forests, trees, and their woods, with brief chapters on the principal atoll groups; bibliography.
- Sperry, A.
 Call it courage.
 1-95, N. Y., 1951.
 A fanciful children's story, said to be based on an ancient legend of Hikueru Atoll in the Tuamotus; gives an interesting reconstruction of ancient Polynesian life on an atoll.
- Spoehr, A.
 Bernice P. Bishop Museum Annual Report 1953.
 1-57, Honolulu, 1954.
 Contains incidental mention of work done on atolls in various disciplines. For earlier reports see under Gregory, H. E. 1920-1936 and Bryan, E. H., Jr. 1953 b.
- Stevenson, F. V. de G. (Mrs. R. L.)
 The cruise of the Janet Nichol among the South Sea Islands.
 1-189, N. Y., 1914.
 A diary of a cruise among the atolls of the central Pacific, including Swains, Nassau, Pukapuka, Manihiki, Penrhyn, the Tokelaus, Gilberts, southern Marshalls, and Ellice Is., giving much valuable geographical and historical information; a number of good photos and a map showing the route taken. LC: DU21. S8.
- Stevenson, R. L.
 In the South Seas.
 1-409, N. Y., 1922 (first published in 1896).
 Popular but well written and interesting account of the author's cruises in the Tuamotus (1888) and the Gilberts (1889); gives a picture of a period in the history of these groups that was very different from the present. LC: DU21. S845, 1922.
- Stockman, J. R.
 The battle for Tarawa.
 1-86, Washington, 1947 (U. S. Marine Corps Historical Monograph).
 Account of military operations in 1943; includes

- many photos showing the effect of war on vegetation. Maps. LC: D767. 917. U5, 1947.
- Stommel, H.
Science of the seven seas.
1-208, N. Y., 1945.
Popular account, rather brief, of everything imaginably connected with the sea; includes, pp. 188 and 191, photos of man-of-war birds on Hao atoll and of Laysan albatross. LC: GC21. S8.
- Suzuki, K. (or T.)
Account of Marshall Islands.
Jour. Tokyo Geogr. Soc. 10 (11): 3-10, 1888; 11 (9): 3-14, 1889.
Account of a visit in 1884, with brief description and vocabulary. In Japanese.
- Swezey, O. H.
Forest entomology of Hawaii.
Bishop Mus. Spec. Pub. 44: 1-266, 1954.
Includes at least one atoll record, *Oodemias laysanensis* Fullaway from Laysan, p. 190.
- Takashima, H.
"Marshallbolus," [an example from which we might learn].
Zool. Mag. (Tokyo) 51 (5): 314, 1939.
Records *Trigonululus* (*Marshallbolus*) *rugosus* from Koror, and discusses *T.* (*Marshallbolus*) *takakuwai*, described from the Marshalls, see Verhoeff 1938 a.
- Takatsukasa, N.
The birds of Nippon.
1 (1-7): London, Tokyo, 1932-1939.
Includes information on Micronesia. Part 2, 1933, includes geography of Marcus, p. xxiv, and Micronesia with gazetteer. Part 3, 1934, includes history of bird collecting in Micronesia. Bibliography. Smi.: Bird Div.
- Taylor, J. L.
The Truk District.
[1-90], Truk, 1953 (mimeographed by Dept. of Education, Truk District).
Elementary geography of Truk and surrounding atolls, including Mortlock, Hall and various others of the central Carolines, with much natural history information, including an account of how the atolls may have been formed, illustrated by drawings.
- Teissier, R.
Le Messenger de Tahiti.
Bull. Soc. Et. Océan. 9 (6): 261-274, 1954.
- Note on this Tahiti newspaper and official record, with an index of scientific and other papers of lasting interest published in it between 1852 and 1880. Many concern the Tuamotus and other atolls, Pacific island food plants, etc. Mentioned here especially because this newspaper could not be examined.
- Thirumalachar, M. J. and Jenkins, A. E.
Bitancourtia cassythae on *Cassytha filiformis* and proposed nomenclatorial changes among other Myriangiales.
Mycologia 45: 781-787, 1953.
Mentions, p. 782, that *Bitancourtia cassythae* was not found on a large collection of *Cassytha filiformis* from the Marshall Islands.
- Timmermann, G.
Studies on Mallophaga from the collections of the British Museum (Nat. Hist.), London. 1. A preliminary survey of the genus *Lunaceps* (Clay & Meinertzhagen), 1939.
Ann. Mag. Nat. Hist. XII, 7: 622-637, 1954.
Includes, p. 634, *Lunaceps hopkinsi*, n.sp., parasite on *Numenius tahitiensis*, from Canton I.
- Todd, R. and Post, R.
Smaller Foraminifera from Bikini drill holes.
U. S. G. S. Prof. Pap. 260-N: 547-568, 1954.
Describes and illustrates smaller fossil Foraminifera sediments at different levels.
- Toussaint, A.
Select bibliography of Mauritius.
1-60, Port Louis, 1951 (*Société de l'Histoire de l'Île Maurice* [Publication] 4).
Arranged by subjects, with author index; includes a section on the Dependencies, with references on Chagos and Agalega. LC: DT469. M4 S6, vol. 4.
- Tseng, T. B.
Shin Nan Chung Dao Shih Wo Men Dee [New South Archipelago is ours].
Ta Kung Pao (L'Impartial) 1946 (Aug. 4): 2, (Aug. 5): 3, Shanghai, 1946.
In Chinese. Newspaper account of annexation of the islets on Dangerous Reef, in South China Sea, with brief descriptive notes, including mentions of guano and phosphate. Small maps. LC: Orientalia, Chinese.
- Uchinomi, F. (alternate spelling for Utinomi, H.)
[Ecology of coral reefs]: in, Oshima, [Wonders of the South Seas], 222-269, [1943].
General notes on coral reefs and atolls, with

data on factors influencing the shape of atolls.
In Japanese.

Uhmann, E.

Brontispa chalybeipennis Zacher und *Brontispa palauensis* (Esaki & Chujō). 133. Beitrag zur Kenntnis der Hispinae (Coleopt. Chrysomelidae). Ann. Mag. Nat. Hist. XII, 4: 185-188, 1951.

Discusses *Brontispa chalybeipennis* from Likiep and Ailinglaplap.

U. S. Geological Survey

Bikini and nearby atolls, Marshall Islands.

U. S. G. S. Prof. Pap. 260: vols. 1-3, 1954 (in press); vol. 4, in preparation.

Contains results of Operation Crossroads survey and subsequent resurveys. Includes many separate chapters designated by capital letters, by various authors; those including information on land aspects listed separately here. Vol. 1, part 1, geology, chapter A; vol. 2, part 2, oceanography, chapters B-I; vol. 3, part 3, geophysics, chapters J-L, part 4, paleontology, chapters M-P; vol. 4, miscellaneous papers.

U. S. Hydrographic Office

Hydrographic Notices.

1867-1883.

Include results of surveys and information intended to supplement and maintain up to date charts, Pilots and other aids to navigation. Similar information available in Great Britain Hydrographic Notices, Nautical Magazine, Mercantile Marine Magazine, early volumes of Annalen der Hydrographie and Annales Hydrographiques, and other publications of various countries. Only a few papers listed separately here although many more contain geographical information on atolls. The Notices to Mariners issued by various countries do not contain geographical descriptions, but only the briefest navigational information. LC: VK798. U5.

Marshall group. North Pacific Islands.

1-33, [Washington, 1870].

Description of the atolls, compiled from various sources, including observations by visiting vessels. Includes some mentions of economic plants.

LC: VK933. M4 U6.

Oceanographic and meteorological conditions at Bikini Atoll, Marshall Islands, during April 1953. 1-12, Washington, 1953 (processed).

Mainly concerns waves and currents, but has

data on winds and cloud cover; maps, bibliography.

[U. S. Navy] Chief of Naval Operations, Aerology Section

A brief climatic summary of the Marshall Islands. 1-17, Washington, 1944 (NAVAER 50-IR-78) (processed).

Includes general information on climate and tables of meteorological data for Jaluit and Ujelang, mostly compiled from German sources. Maps of Jaluit and Ujelang.

U. S. War Dept., Historical Division

The capture of Makin (20 November-24 November 1943).

1-135, Washington, 1946.

Includes many photos showing aspect of atoll and effect of war operations on vegetation. Maps. LC: D767. 917. U5, 1946.

U. S. Weather Bureau

Local climatological data ... Wake Island, Pacific.

1952: [1-4], 1953; 1953: [1-3], 1954.

Continuation of U. S. Weather Bureau 1951.

Local climatological data ... 1953. Canton Island, south Pacific.

[1-3], Kansas City, 1954 b.

Description of characters of climate, and summary of available recorded data. Continuing yearly publication, starting with 1950.

Van Zwaluwenburg, R. H.

Calotermes from Canton Island.

Proc. Hawaiian Ent. Soc. 14: 351, 1952 a.

Brief discussion of *Calotermes curvithorax* Kelsey.

Gonocephalum adpressiforme Kaszab.

Proc. Hawaiian Ent. Soc. 14: 351-352, 1952 b.

Records this insect from Canton I.

The insects and certain other arthropods of Canton Island.

Atoll Res. Bull. (in press).

Report on collection of land arthropods made by Otto Degener, with records, also, from other collections and corrections in previous records.

Voeltzkow, A.

Die von Aldabra bis jetzt bekannte Flora und Fauna.

- Abhandl. Senckenb. Naturforsch. Ges. 26: 539-565, 1902.
Enumerations, with bibliographic sources indicated; statements of distribution, especially in list of birds, include records from atolls of Indian Ocean.
- Waggaman, W. H.
Phosphoric acid, phosphates and phosphatic fertilizers.
1-683, N. Y., 1952 (2nd ed., 1st ed. 1927).
On p. 123 a brief mention of phosphate mining on Sonsorol, Tobi and Ebon. GS: 890 W12p, 1952.
- Walker, H.
Air age brings life to Canton Island.
Nat. Geogr. Mag. 107: 117-132, 1955.
Popular article on present day conditions on island, with some plants and birds mentioned, as well as domestic animals, based on a short visit; map and excellent photos, some colored, some showing birds and vegetation.
- Ward, H. L.
Notes on the life-history of *Monachus tropicalis*, the West Indian seal.
Am. Nat. 21: 257-264, 1887 b.
Includes author's observations on the seals found in 1886 on Triangle Keys. Brief description of the islets, mentioning plants, birds, scorpions and house-flies.
- Warnecke,
Die nordwestlichen Inselgruppen des Bismarck-Archipels.
D. Kolonialbl. 13: 197-199, 220-222, 1902.
Includes notes on the Portland Islands (off northwest point of New Hanover) and the atolls west of the Admiralty Is., with descriptions of islands, brief mentions of economic plants especially coconut plantations, number of inhabitants, etc.
- Wells, J. W.
Fossil corals of Bikini Atoll.
U. S. G. S. Prof. Pap. 260-P: 609-618, 1954.
Describes and illustrates a number of species and discusses occurrence and stratigraphic significance of corals.
- Wight, E. L.
Memoirs of Elizabeth Kinau Wilder.
1-185, Honolulu, 1909.
Not seen. Includes information on Jarvis and Baker Is.
- Wilson, K.
Floristics and plant ecology of Rarola Atoll, Tuamotus. Part 4. Ecological and floristic notes on the Pteridophyta of Rarola.
Atoll Res. Bull. 33: 57-58, 1954.
Systematic list and brief ecological observations.
- Womenley, H.
The scrub-typhus and scrub-itch mites (Trombiculidae, Acarina) of the Asiatic-Pacific region.
Rec. S. Austr. Mus. 10: 1-673, 1952.
Systematic revision, including some atoll species e.g. pp. 169, 254, 262. Extensive bibliography.
- Wroth, L. C.
The early cartography of the Pacific.
1-268, N. Y., 1944 (published as vol. 38, no. 2 of The Papers of the Bibliographical Society of America).
Includes information on voyages and discoveries in the Pacific with reproductions of 22 old maps and charts; bibliography. LC: Z1008. B51P, vol. 38, no.2.
- Yabe, H. and Aoki, R.
Reef conglomerate with small pellets of *Lepidocyclina*-limestone found on the atoll Jaluit.
Jap. Jour. Geol. Geogr. 1: 39-43, 1922.
Describes certain constituents of the limestones of the island, with speculations on their origin; three poor photos showing views of the atoll, as well as several of the foraminiferal tests described.
- Yamamoto, M.
[Research Paper No. 2 on the Newly Occupied South Seas Territory, Investigation of Marshall Islands].
Keizai Ronsho 1(6): 719-733, 1915.
Mostly information on administration and economic situation, but with some brief notes on geography and history. In Japanese. LC: 330.6 K234.
- Yamashina, Y.
Phenotypic differentiation of endemic birds in relation to island size in Micronesia.
Proc. 7th Pac. Sci. Cong. 4: 61-66, 1953.
Includes observation that lack of variation in birds of the Caroline and Marshall atolls indicates "quite recent tenure of their present habitat."
- Yoneda, M.
[Guam, Midway, Wake].
Chiri-kyōiku [32(5)]: 733-747, [1940].
General notes on these islands, with some photos and maps.
- Yonge, C. M.
The form of coral reefs.

Endeavour 10 : 136-144 , 1951.

Mainly marine geology but with some information and diagrams on how islets are formed; maps.

ADDENDA
to the
SELECTED BIBLIOGRAPHY OF VEGETATION OF THE TROPICAL PACIFIC ISLANDS

Andersson, N. J.

Om Galapagos-Barnes Vegetation.

K. Vet. Akad. Handl. 1853: 61-256, 1855.

Includes, pp. 67-84, description of vegetation of individual islands, based on floristic composition.

Om Galapagos-Barnes vegetation.

Eugenies Resa Bot. 1: 1-34, 1857.

A detailed description of the vegetation by islands, from a viewpoint of floristic composition. In Swedish. Acad. Sci. Phila.

Ueber die Vegetation der Galapagos-Inseln.

Linnaea 31: 571-631, 1862.

Includes, pp. 575-593, description of vegetation for several individual islands, apparently translated from Swedish text, 1855.

Anon.

The "Hassler" expedition. The Galapagos Islands. Nature 6: 352-354, 1872.

Brief description of islands, with some mention of vegetation.

------(J. C. K. Marshall?)

Department of Forestry (Annual Report for 1948 and 1949).

Fiji Leg. Pap. 1950 (15): 1-40, 1951.

Includes some information on forest vegetation in Fiji.

Biological control in the Hawaiian Islands.

Pac. Sci. Ass. Inf. Bull. 6 (2): 9-10, 1954.

Includes notes on control of *Lantana* and *Schinus terebinthifolius* which cover large areas.

Aubert de la Rüe, E., Bourlière, F. and Harroy, J.-P. Tropiques.

1-206, Paris, 1954.

Popular illustrated treatment of natural history in the tropics with emphasis on vegetation containing some photographs of New Caledonian and

New Hebridean vegetation.

Baker, J. R.

Man and animals in the New Hebrides.

1-200, London, 1929 b.

An informal account of the author's researches on many scientific subjects in the New Hebrides and Banks Is., with a few photos showing vegetation and, pp. 85-86, 180-182, some information on the vegetation of Espirita Santo, especially Mt. Tabwemasana; p. 141, notes on Steaming Hill Lake, Gaus, Bank Is., with a little information on vegetation. Acad. Sci. Phila.: DU760. B3.

Barrau, J.

La classification, la répartition, l'utilisation des terres en Nouvelle-Calédonie.

Agron. Trop. 4: 175-182, 1949.

Information on land use, with brief summary of natural vegetation.

Quelques observations sur la végétation, les sols et les climats agricoles de la Nlle-Calédonie. Rev. Agr. N. Caléd. II, 2: 3-8, 1951.

Brief general notes on main types of vegetation, with sketch map.

Classification et utilisation des terres de la Nouvelle-Calédonie.

Proc. 7th Pac. Sci. Cong. 6: 85-88, 1953 a.

Includes brief mentions of vegetation.

L'utilisation agricole et pastorale des terres de la Nouvelle-Calédonie.

Et. Mélan. n.s. 5 (7): 35-54, 1953 b.

Includes information on climate, land use, brief summary of vegetation with a sketch map. Photos showing various types of land use.

Bartley, W. S.

Iwo Jima: amphibious epic.

1-253, Washington, 1954 (U. S. Marine Corps

- Historical Monograph).
Account of the capture of Iwo Jima in 1945. Some of the many photos show the effect of war operations on the vegetation. LC: D787. 99. 19 U52.
- Bennett, G.
Gatherings of a naturalist in Australasia. 1-456, London, 1860.
Includes notes on economic plants of Rotuma, Tahiti and the Hawaiian Islands, with some mention of the vegetation in which they occur. LC: QH197. B4.
- Blackie, W. J.
Soils of the humid tropics. Fiji Soc. Sci. Ind. 3: 14-27, 1953.
Comprehensive discussion of soils, especially tropical ones, with specific reference to Fijian soils and occasional remarks on vegetation in relation to soil.
- Brigham, W. T.
The volcanoes of Kilauea and Mauna Loa on the Island of Hawaii. Bishop Mus. Mem. 2: 379-600, 1909.
Detailed account of volcanism with scattered notes on vegetation; many fine photographs showing the lack of vegetation around the active craters.
- Bryan, E. H., Jr.
The Hawaiian Chain. 1-71, Honolulu, 1954 (published by Bishop Museum).
A general geographic treatment with some information on vegetation and with many photos showing vegetation.
- Carlson, N. K.
The vanishing fishponds of Molokai. Nat. Hist. 63: 248-254, 1954.
Notes on ponds, discussing their silting up after destruction of vegetation and overgrazing increased soil erosion on the island slopes. Photos showing results of erosion.
- Catala, R. L. A.
Protection de la nature en Nouvelle-Calédonie. Proc. 7th Pac. Sci. Cong. 4: 674-679, 1953.
Includes brief description of vegetation, notes on its destruction, and suggestions for the conservation of vegetation and soil.
- Chevalier, A.
Un grand voyageur naturaliste normand J.-J. La Billardière (1755-1834). Rev. Int. Bot. Appl. Agr. Trop. 32 (365-366): 97-124; (367-368): 185-202, 1953.
Biography, with much discussion of La Billardière's botanical works and quotations from them, including much material on Pacific Islands.
- Cohic, F.
Les insectes nuisibles aux plantes cultivées dans les îles Wallis et Futuna. Agron. Trop. 5: 563-581, 1950.
Includes brief note on extent and aspect of coconut plantations on Wallis.
- Cumberland, K. B.
Soil erosion and the world food situation. Fiji Soc. Sci. Ind. 4: 1-8, 1953.
Includes reference to deforestation in Fiji and Rarotonga, p. 4.
- Dawson, E. Y.
The marine flora of San Benedicto Island, Mexico, following the volcanic eruption of 1952-1953. 8^{me} Congr. Int. Bot. Rapp. Comm. 17: 157-158, 1954.
Gives notes on algal vegetation, including description of early stages in vegetation of new lava extrusions.
- Díaz Vial, C.
Reconnaissance soil survey of Isla de Pascua (Easter Island), Chile. Proc. 7th Pac. Sci. Cong. 6: 113-116, 1953.
Includes a few notes on vegetation.
- Dugain, F.
Dégradation et protection des sols de la Nouvelle-Calédonie. Et. Mélan. n.s. 5 (7): 69-86, 1953 a.
Includes notes on various types of erosion, their causes and how they can be remedied. Photos showing how destruction of vegetation leads to erosion.
- Premières observations sur l'érosion en Nouvelle-Calédonie. Agron. Trop. 8: 466-475, 1953 b.
Includes notes on geography, climate, soil erosion and vegetation. Photos showing soil erosion.
- Eighth Pacific Science Congress
Proceedings (in press).
Contain a number of papers on Pacific vegetation, including a Symposium on the vegetation provinces of the Pacific Basin.

Engler, A.

Versuch einer Entwicklungsgeschichte der Pflanzenwelt, insbesondere der Florenggebiete seit der Tertiarperiode. II. Die extratropischen Gebiete der südlichen Hemisphäre und die tropischen Gebiete. 1-386, Berlin, 1882.

Second part of a ponderous floristic and historic phytogeographic discussion with a chapter on Pacific island groups, especially the Hawaiian Is. and New Caledonia, with brief characterizations of their vegetation, lists of floras, etc. Vegetation map of the world in colors. Acad. Sci. Phila.: QK980. E93.

Espeissis, J. L. d'

Forestry in Fiji.

Fiji Soc. Sci. Ind. 3:130-139, 1953.

Mostly economic, but includes some information on forest types.

Fosberg, F. R.

Northern Marshall Islands Expedition, 1951-1952. Narrative.

Atoll Res. Bull. (in press).

Records, in preliminary form, many observations on vegetation of these atolls.

Fullaway, D. T.

Biological control of cactus in Hawaii.

Jour. Econ. Ent. 47: 696-700, 1954.

Reports introduction of a number of insects to attack *Opuntia megacantha*, as well as failure of attempt to control it by a fungus disease.

Glaumont,

La culture de l'igname et du taro en Nouvelle-Calédonie.

Et. Mélan. n.s. 5 (7): 25-34, 1953.

Information on cultivation methods in New Caledonia.

Grange, L. I. and Fox, J. P.

Soils of the Lower Cook Group.

N. Z. Soil Bur. Bull. n.s. 8: 1-55, 1953.

Includes Rarotonga, Mangaia, Atiu, Mauke, Mitiaro and Aitutaki. For each, brief notes on climate, vegetation, physiography and geology, discussion of soils and soils map. A few photos showing vegetation.

Guillaumin, A.

Les caractères de la végétation néo-calédonienne. C. R. Soc. Biogéogr. 251: 82-86, 1952.

Brief summary of vegetation of New Caledonia, with vegetation sketch-map and notes on origin and character of flora.

Guillaumin, A.

Mesures de conservation à prendre pour la sauvegarde de la flore de la Nouvelle-Calédonie.

Proc. 7th Pac. Sci. Cong. 4: 674, 1953.

A summary.

Heinl, R. D. and Crown, J. A.

The Marshalls: increasing the tempo.

1-188, Washington, 1954 (U. S. Marine Corps Historical Monograph).

Detailed account of the capture of the Marshalls in 1944, with many photos showing the effects of the operations on vegetation; some photos, also, of Truk and Kusaie. LC: D767. 99. M3 U52.

Hooker, J. D.

On the vegetation of the Galapagos Archipelago, as compared with that of some other tropical islands and of the continent of America.

Trans. Linn. Soc. London 20: 235-262, 1847.

Mostly a discussion of the flora but with a few notes on zonation of vegetation.

H[ooker], W. J.

A brief memoir of the life of Mr. David Douglas, with extracts from his letters.

Comp. Bot. Mag. 2: 79-182, 1836.

Includes, pp. 86-87, brief notes on the Galapagos with a few remarks on vegetation and, pp. 161-177, account of visit to Sandwich Is. with some information on vegetation. An earlier publication of Hooker, 1839.

Hosokawa, T.

On the structure and composition of the Campnosperma forests in Palau, Micronesia.

Mem. Fac. Sci. Kyushu Univ. Ser. E (Biology) 1 (4): 199-218, 1954 a.

Detailed phytosociological study, with profile diagram and photographs.

On the Campnosperma forests of Yap, Ponape and Kusaie in Micronesia.

Mem. Fac. Sci. Kyushu Univ. Ser. E (Biology) 1 (4): 219-243, 1954 b.

Phytosociological study, in considerable detail.

On the vascular-epiphyte communities in tropical rainforests of Micronesia.

8^{me} Congr. Int. Bot. Rapp. Comm. 7, 8: 190-191, 1954 c.

Discusses phytosociological investigations with special reference to life-forms prominent in different communities and areas.

Hosokawa, T.

Outline of the mangrove and strand forests of the Micronesian islands.
8^{me} Congr. Int. Bot. Rapp. Comm. 13: 61-62, 1954 d.

Abstract, outlining principal types of these forests with brief characterizations and dominant species.

On the *Camptosperma* forests of Kusale in Micronesia, with special reference to the community units of epiphytes.

Vegetatio 5 (Jubilee volume for Dr. J. Braun-Blanquet): in press.

Hough, F. O. and Crown, J. A.

The campaign on New Britain.
1-220, Washington, 1952 (U. S. Marine Corps Historical Monograph).

Account of military operations in 1944, with incidental mentions of vegetation and photos showing the effect of war upon it. Appendix II, by L. T. Burcham, describes main vegetation types and their importance in relation to military operations, pp. 191-195. LC: D767. 99.N4 U52, 1952.

Hürlimann, H.

Etude sur la structure des forêts de la Nouvelle-Calédonie. Experiences et propositions.
Et. Mélan. n.s. 5 (7): 55-68, 1953.

Ecological study of New Caledonian forest vegetation, giving an example of E. Schmid's method of vegetation analysis. Notes on conservation.

L'étude du développement des plantes jeunes dans les forêts tropicales.

8^{me} Congr. Int. Bot. Rapp. Comm. 7, 8: 187-188, 1954 a.

Abstract describing method of investigating structure and dynamics of forest vegetation in New Caledonia.

Die Untersuchung der Struktur tropischer Wälder.
Ber. Geobot. Inst. Rübel Zürich 1953: 49-53, 1954 b.

Description of a method of analysis for tropical vegetation, partly devised during author's work in New Caledonia and Tonga.

Johnson, [J.] H.

Studies of reef-building algae by the U. S. Geological Survey.
8^{me} Congr. Int. Bot. Rapp. Comm. 17: 158-159,

1954.

Brief abstract, mentioning role of algae in reef-building in the Marshalls and Marianas.

Karsten, G.

Die Mangrove-Vegetation.
Vegetationsbilder 2 (2): t. 7-12, 1904.

Photographs of mangrove vegetation and plants, with notes.

Kennedy, D. G.

The Polynesian outliers of Melanesia.
Fiji Soc. Sci. Ind. 3: 28-44, 1953.

Includes some description of Rennell and Bellona, with a word on vegetation.

Kotzebue, O. von

Entdeckungs-Reise in die Süd-See und nach der Bering's-Strasse... 1815 ... 1818 ... auf dem Schiffe Rurick....

3 vols., Weimar, 1821.

See annotation of English translation, 1821. LC: G420. K76.

Kroon, A. H.

Forestry in Western Samoa.
S. Pac. Comm. Quart. Bull. 3 (3): 29-30, 1953.

Review of Marshall and Thompson 1953, with several photographs and some discussion of forest vegetation.

Lanzarotti, J.

Tragic Island: misfortunes and mysteries of Chile's most remote possession.
Americas 5 (4): 9-12, 45, 1953.

Excellent popular and historical account of Easter I. with very little on vegetation but with a few photographs, some showing vegetation.

Lever, R. J. A. W.

Distribution of fauna species in Oceania.
Fiji Soc. Sci. Ind. 3: 70-77, 1953.

Includes, p. 77, a note by Maude mentioning the introduction of goats on Henderson Island.

Lodge, O. R.

The recapture of Guam.
1-214, Washington, 1954 (U. S. Marine Corps Historical Monograph).

Account of military operations, with photos showing their effect on vegetation. LC: D767.99. G8 U48.

Luke, H.

A visit to Easter Island.
Geogr. Mag. 25: 298-306, 1952.

Excellent popular account of the island and its people based on author's visit in 1952; some excellent photos showing the vegetation.

Mac Neil, F. S.

The shape of atolls: an inheritance from sub-aerial erosion forms.

Am. Jour. Sci. 252: 402-427, 1954.

Marine geology, but contains excellent photos of Eua, Tonga, and Kita Daito Jima, showing vegetation.

Marshall, C.

Sustained yield management of the mangrove, salt water swamp forest of Fiji.

1-19, Suva [1952?]

Well illustrated popular booklet on mangrove management, includes notes on mangrove vegetation. DA: 99.559. F47.

Forestry problems of the South Pacific.

Proc. 7th Pac. Sci. Cong. 6: 267-277, 1953.

General notes, with emphasis on Fiji, and several photos.

Marshall, C. and Thompson, T. S.

Forestry in Western Samoa.

1-64, Wellington, N. Z., 1953.

Contains description of forests by Thompson; not seen, see Kroon, 1953.

Maude, H. E.

The British Central Pacific Islands: a report on land classification and utilization.

Proc. 7th Pac. Sci. Cong. 6: 89-97, 1953.

Includes very brief mentions of vegetation in the Gilbert, Ellice, Phoenix and Line Islands.

Millaud, R.

Les sols des îles de l'Océan Pacifique Sud.

Agron. Trop. 8: 300-303, 1953.

Description of soils of Tubuai, with incidental mentions of vegetation and results of soil analyses. Profile showing relation of soils to topography and geology.

Munro, G. C.

Na Laau Hawaii in 1954.

Elepaio 15: 30, 1954.

Discusses present status of arboretum of native Hawaiian dryland plants which is yielding information on effects of droughts on these species.

Oberhanaley, F. R.

Some conservation problems in Hawaii National

Park.

Proc. 7th Pac. Sci. Cong. 4: 652-657, 1953.

Includes information on vegetation changes under various influences and problems in controlling the destruction of native vegetation.

Papy, H. R.

Etude sur la végétation des îles de la Société et de Makatea.

Ann. Biol. 29: 539-542, 1953.

Brief treatment including information on origin of flora, vegetation zones and environment.

La végétation des îles de la Société et de Makatée.

(Océanie française). Première partie.

Trav. Lab. For. Toulouse V (2), 1 (3): 1-162, 1954.

The first part of a two-volume work. In this volume are chapters on physical geography and geology, climatology, and soils, as well as a topographic map, and some excellent photographs. Detailed consideration of the vegetation will follow in the next volume.

Rouleau, J.

Les ressources forestières des Nouvelles-Hébrides.

Bois For. Trop. 34: 9-13, 1954.

Notes on timber resources in the New Hebrides with very little information on vegetation.

Sachet, M.-H.

A summary of information on Rose Atoll.

Atoll Res. Bull. 29: 1-25, 1954.

Includes a section describing in detail the simple land vegetation of this atoll.

St. John, H.

The vegetation of Hawaii at the time of Capt. James Cook in 1778-79, and a comparison with its present status.

8^{me} Congr. Int. Bot. Rapp. Comm. 21 à 27: 176-177, 1954.

Discussion of David Nelson's collections relating them to vegetation zones in which they occurred, also speculating on the origin of some of the species considered as adventive.

Sarlin, P.

The forest and the soil of northern Santo, New Hebrides.

Proc. 7th Pac. Sci. Cong. 6: 292, 1953.

Abstract.

Sherman, G. D.

The nature and potentialities of the humid tropical soils.

Proc. Haw. Acad. Sci. 29: 5-6, 1954.

Discusses tropical soils, particularly lateritic ones, with some indication of their relation to vegetation, especially agricultural and silvicultural vegetation.

Skottsberg, C.

Report of the standing committee for the protection of nature in and around the Pacific for the years 1939-1948.

Proc. 7th Pac. Sci. Cong. 4: 586-612, 1953 c.

Includes notes on vegetation and nature protection in the Desventuradas, New Caledonia, Galapagos and Hawaii, by Skottsberg and other observers.

Swezey, O. H.

Forest entomology in Hawaii--An annotated checklist of the insect faunas of the various components of the Hawaiian forests.

Bishop Mus. Spec. Pub. 44: 1-266, 1954.

Includes data on the vegetation incidental to descriptions of habitat of various insect species.

Sykes, R. A.

The forest of the colony of Fiji.

Fiji Leg. Pap. 9: 1-58, 1933.

Not seen.

Thévenot,

Monographie d'Uvéa ou Wallis.

Agron. Trop. 7: 276-287, 1952.

Brief description of island, with information on aspect of coconut plantations and other cultures. Analyses of soil samples, with information on vegetation under which they were collected.

Thompson, T. S.

The Territory of Western Samoa.

Emp. For. Rev. 32: 309-315, 1953.

Includes notes on geology and topography, climate and soils, vegetation and forestry. Photos.

U. S. Navy

Nanpo Shoto. Volume two. Bonin Islands & Izu Group.

CINCPAC-CINCPOA Bull. 122-44: 1-52, 1944 b.

Mainly military information, contains short notes on vegetation and many photographs showing it; maps.

Yap Islands.

CINCPAC-CINCPOA Bull. 123-44: 1-34, 1944 c.

Mainly military information, with short notes on vegetation and soils, many photos showing vegeta-

tion; maps.

U. S. Navy

Southern Palau.

CINCPAC-CINCPOA Bull. 124-44: 1-42, 1944 d.

Mainly military information, but contains short notes on vegetation and many photos showing it; maps.

Northern Palau.

CINCPAC-CINCPOA Bull. 136-44: 1-59, 1944 e.

Mainly military information, but contains brief notes on vegetation and many photos showing it; maps.

Field survey of Japanese defenses on Chichi Jima Retto. Part one--the report.

CINCPAC-CINCPOA Bull. 2-46: 1-114, 1946.

Mainly military information, text of no botanical interest except in dating changes in vegetation due to military activity, but with magnificent series of panoramic photos of great value in studying vegetation.

Virot, R.

Le santal néo-calédonien.

Rev. Int. Bot. Appl. Agr. Trop. 30 (327-328): 79-86, 1950.

Includes information on ecology of species, its place in vegetation and the types of soils it prefers.

Aperçu de l'organisation phytosociologique en Nouvelle-Calédonie.

8^{me} Congr. Int. Bot. Rapp. Comm. 7, 8: 189-190, 1954 a.

Discusses attempt to apply Braun-Blanquet system of phytosociology to New Caledonian vegetation.

Le problème de la protection de la nature en Nouvelle-Calédonie.

8^{me} Congr. Int. Bot. Rapp. Comm. 21 à 27: 14-144, 1954 b.

Discusses briefly the vegetation of New Caledonia, the human activities which are destroying or altering it, and measures to be taken to minimize this destruction.

Walker, F. S.

Pacific memories.

Malay. Forest. 11: 17-23, 1947.

Informal discussion of author's experiences while making a forest survey of the British Solomon Is., with much miscellaneous information on vegetation and flora.

Wolff, T.

Rennell en koralø langt fra alfarvej: in, Bruun, A. F. et al., Galathea's Jordomsejling 1950-1952, 207-218, Copenhagen, 1953.

Account of a visit to Rennell Island during the Danish deep-sea expedition. Information on natural history, including brief mention of vegetation. Map, photos. LC: Q115. D34.

ADDENDA
to the
LIST OF SERIAL ABBREVIATIONS

A. I. B. S. Bull.

The A. I. B. S. Bulletin. /Washington, D.C.
LC:

Published by The American Institute of Biological Sciences.

Abh. K. Ges. Wiss. Göttingen math.-phys. Kl.

Abhandlungen der Königlichen Gesellschaft der Wissenschaften zu Göttingen. Mathematisch-physikalische Klasse. /Berlin.
LC: AS182. G811.

Acta Bot. Bohem.

Acta Botanica Bohemica. /Praha.
DA: 450 Ac82.

Acta Dermat.

Acta Dermatologica. /Kyoto.
AML.

Published in parallel European and Japanese editions, at least for certain volumes, including 18-21.

Adm. Rept. Marine Surv. India

Administration Report of the Marine Survey of India. /Bombay.
LC: VK597. I4 A4.

Am. Jour. Hyg.

The American Journal of Hygiene. /Baltimore.
LC: RA421. A37.

Am. Jour. Phys. Anthropol.

American Journal of Physical Anthropology.
LC: GN1. A55.

Place of publication varies.

An. Dir. Hidrogr.

Anuario de la Direccion de Hidrografia. /Madrid.
LC: VK798. 87.

Ann. Biol.

L'Année Biologique. /Paris.
Smi.: 574. 08. A61.

Ann. Mus. Bot. Lugd. Bat.

Annales Musei Botanici Lugduno--Batavi. /Leyden.
LC: QK1. L6; Smi.: 580. 7492. L5, folio.

Ann. Rept. Dept. Agr. Seychelles

Colony of Seychelles. Annual Report of the Department of Agriculture. /Victoria, Mahé.
LC: S338. S4 A3; DA: 25 Se 9.

Astron. Herald

Astronomical Herald (Tenmon Geppō). /Tokyo.
LC: Orientalia Jap.: 490. 5. T258.

Ber. Geobot. Inst. Rübel Zürich

Bericht über das geobotanische Forschungsinstitut Rübel in Zürich.
LC: QK1. Z8.

Bierdermanns Centralbl.

Bierdermanns Central-Blatt für Agrikulturchemie und rationellen Landwirtschafts-Betrieb. /Leipzig.
LC: S583. B6.

Bull. Am. Ass. Petr. Geol.

Bulletin of the American Association of Petroleum Geologists. /Tulsa, Oklahoma.
LC: TN860. A3.

Bull. Inst. Med. Res. F. M. S.

Bulletins from the Institute for Medical Research. Federation of Malaya. /Kuala Lumpur.
AML.

C. R. Soc. Biogéogr.

Compte Rendu sommaire des séances de la société de biogéographie. /Paris.
DA: 505 P216.

Chirigaku Kenkyū

Chirigaku Kenkyū [Geographical Research]. /Tokyo.
LC: Orientalia Jap.: 450.05 C65.
Only a few numbers in LC.

Chirikyōiku

Chirikyōiku [Lessons in Geography]. /Tokyo.

- LC: *Orientalia Jap.*
Succeeded by *Chirigaku Kenkyū*.
- Conservation News**
Conservation News. /Washington, D.C.
LC:
Bimonthly offset news bulletin published by National Wildlife Federation.
- Corona**
Corona. *The Journal of Her Majesty's Colonial Service*. /London.
LC: JV1001. C77.
- D. übersee. met. Beobacht.**
Deutsche überseeische meteorologische Beobachtungen. /Hamburg.
LC: QC982. H3.
Published by Deutsche Seewarte.
- Emp. For. Rev.**
The Empire Forestry Review. /London.
DA: 99.9 Em72.
Replaced *Empire Forestry Journal*.
- Ergebn. Biol.**
Ergebnisse der Biologie. /Berlin.
LC: QH302. E7.
- Flora Males.**
Flora Malesiana. /Djakarta.
Smi.: 581.99 S63.
Series of taxonomic monographs, appearing at irregular intervals, planned to cover, completely, the flora of the entire Malaysian area and New Guinea.
- 8^{me} Congr. Int. Bot. Rapp. Comm.**
Huitième Congrès International de Botanique, Paris 1954, rapports et communications parvenus avant le congrès.
9 volumes, separately paged, of advance publication of abstracts and full papers, distributed to members of the Congress; papers grouped by sections; volumes not numbered.
- Jap. Jour. Geol. Geogr.**
Japanese Journal of Geology and Geography.... /Tokyo.
GS: G (620) N21.
- Jap. Zeitschr. Dermat. Urol.**
Japanische Zeitschrift für Dermatologie u. Urologie (Hifuka oyobi Hitsunyōkika Zasshi). /Tokyo.
AML.
- Jour. Anthr. Inst. Gt. Brit.**
The Journal of the Anthropological Institute of Great Britain and Ireland. /London.
LC: GN2. A3.
Title varies.
- Jour. Ind. Army Med. Corps**
Journal of the Indian Army Medical Corps. /Poona.
AML.
- Jour. London Chem. Soc. Abstr.**
Journal of the Chemical Society. Part II. Abstracts. /London.
LC: QD1. C6.
- Jour. R. Nav. Med. Serv.**
Journal of the Royal Naval Medical Service. /London.
AML.
- Jour. Soc. Bibl. Nat. Hist.**
Journal of the Society for the Bibliography of Natural History. /London.
LC: Z7403. S68.
See also Griffin et al. in *Addenda to Atoll Bibliography*.
- Jour. Tokyo Geogr. Soc.**
Journal of the Tokyo Geographical Society.
LC: *Orientalia Jap.*: 450.5. T31.
- Keizai Ronsō**
Keizai Ronsō [Economic Review]. /Kyoto.
LC: *Orientalia Jap.*: 330.6. K234.
- Life**
Life. /N.Y.
LC: AP2. L547.
- Madras Fish. Bur. Bull.**
Madras Fisheries Bureau. Bulletin.
LC: SH300. M2 A2.
- Malayan Nat. Jour.**
The Malayan Nature Journal. /Kuala Lumpur.
LC: QH1. M265.
- Milw. Mus. Pub. Anthropol.**
Milwaukee Public Museum Publications in Anthropology.
Smi.: 507.73.
- N. Z. Soil Bur. Bull.**
New Zealand Department of Scientific and Industrial Research. Soil Bureau. Bulletin. /Wellington.

DA : 56.9 N483.

Nat. Med. Pract. Fiji

The Native Medical Practitioner. /Suva, Fiji.
AML.

News Rept.

News Report. National Academy of Sciences.
National Research Council. /Washington, D.C.
Smi. : 506.73. A2 N2818.

Rec. S. Austr. Mus.

Records of the South Australian Museum. /Adelaide.
LC: QH1. S673.

Regnum Veg.

Regnum Vegetabile. /Utrecht.
Smi. : Botany Div.

S. Pac. Comm. Quart. Bull.

South Pacific Commission Quartely Bulletin.
/Noumea.
LC: DUL. S582.

Sei-I-Kai Med. Jour.

The Sei-I-Kai Medical Journal (Sei-I-Kai Zasshi).
/Tokyo.
AML.

U. S. Hydrogr. Notice

Hydrographic Notices issued by U. S. Hydrographic
Office. /Washington, D. C.
LC: VK798. U5.

Early numbers issued by Bureau of Navigation.
See also U. S. Hydrographic Office 1867-1883, in
Addenda to Atoll Bibliography.

Vegetatio

Vegetatio -Acta Geobotanica. Organe officiel
de l'association internationale de phytosociologie.
/The Hague.
LC: QK901. V3; DA : 450 V52.

Woods Hole Ocean. Inst. Techn. Rept.

Woods Hole Oceanographic Institution. Technical
Report. /Woods Hole, Mass.
LC: filed by authors.

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