

CONTENTS LIST AND INDEXES FOR  
*THE ATOLL RESEARCH BULLETIN*



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Articles submitted for publication in the Atoll Research Bulletin should be original papers in a format similar to that found in recent issues of the Bulletin. First drafts of manuscripts should be typewritten double spaced. After the manuscript has been reviewed and accepted, the author will be provided with a page format with which to prepare a single-spaced camera-ready copy of the manuscript.

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**ATOLL RESEARCH BULLETIN**

**NO. 347**

**CONTENTS LIST AND INDEXES FOR  
THE ATOLL RESEARCH BULLETIN**

**BY**

**Mary McCutcheon**

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## CONTENTS LIST AND INDEXES FOR THE *ATOLL RESEARCH BULLETIN*

By: Mary McCutcheon <sup>1</sup>

### Introduction

Not counting this issue, there have been 346 numbers in the *Atoll Research Bulletin* and 595 authored contributions. The accumulation of material has made it almost impossible to locate articles pertaining to specific islands or subjects without some sort of search tool. It seemed appropriate at this point to do a comprehensive bibliography and group of indexes which, after 40 years of publication, can also serve as a retrospective of the journal. Upon looking at the indexes, even the editors were amazed to note just how much information there is in the *Atoll Research Bulletin*!

### The History of the *Atoll Research Bulletin*

In June, 1946, the United States was preparing for its new role as administrator, under a U.N. Trusteeship agreement, of the large part of the Pacific that had been under Japanese domination before the War. As a way of collecting information, George Peter Murdock and Harold J. Coolidge representing the National Research Council of the National Academy of Science held a conference to discuss the current state of knowledge about Pacific Islands. The participants recommended establishing a Pacific Science Board which would be composed of scientists specializing in a range of fields and geographic areas. It would be dedicated to aiding scientists, advising policy makers, and furthering international cooperation. The Pacific Science Board formally came into existence later that year and remained active until 1969 when Harold Coolidge, its executive director, retired.

The Pacific Science Board was recognized immediately as a valuable research organization. Among the significant projects it sponsored were the Coordinated Investigations of Micronesian Anthropology (CIMA), Scientific Investigations in Micronesia (SIM), Insect Control For Micronesia (ICCM), Scientific Investigation of Ryukyus (SIRI), Pacific Island Rat Ecology (PIRATE), Biological Investigation of Pacific Area (BIPA), and surveys of Indonesia, Malaya,

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In the meantime, the South Pacific Commission under Dr. H.G. MacMillan established project E-6, "Economic Development of Coral Islands," in May 1949. Recognizing the advantages of working in collaboration with the Pacific Science Board, MacMillan requested the Pacific Science Board to set up a survey of coral islands with the object of identifying resources with development potential. The Pacific Science Board agreed and set up the Coral Atoll Program under the umbrella of Scientific Investigations of Micronesia.

In addition to the South Pacific Commission work, the Coral Atoll Program undertook various other projects specifically related to low coral islands. It fostered research on Arno, Ifalik, Onotoa, Kapingamarangi and Raroia, and its participants drafted a handbook for atoll research and a bibliography of coral atolls. To plan this work, the Coral Atoll Program sponsored two symposia in 1951--the first in Washington and the second in Honolulu.

The *Atoll Research Bulletin* was not initially part of the master plan for the Coral Atoll Program. But, following the two coral atoll symposia of early 1951, F. Raymond Fosberg who was affiliated with the Pacific Science Board and a participant at the symposia, had the idea of setting up a mechanism for the disseminating information about coral islands. He wrote a memo entitled "Distribution of Atoll Project Information" (March 30, 1951) in which he said, "In an investigation of the magnitude of the Atoll Project, and involving such a number of people in one way or another, it is obvious that much information must be duplicated and circulated." His concern was twofold: first, that information be disseminated quickly, and second, that there be no bibliographic headaches generated by the production of substantive but informal mimeographed papers. Fosberg mused, "It would be a pity if the Atoll Project were remembered as the source of bibliographic difficulties" and added, "My suggestion as a way of avoiding such difficulties would be to issue a definitely numbered and dated, actually published bulletin of preliminary information, perhaps to be termed the *Atoll Research Bulletin*."

Thus the early numbers of the *Atoll Research Bulletin* were composed mainly of Atoll Project reports: the symposium papers of 1951 (numbers 1 and 2), preliminary research results from the work done on Arno (numbers 3-10), Onotoa (numbers 12-13), Ifalik (numbers 44 and 77), and Raroia (numbers 31-36), and an early draft of the Atoll Research Handbook (number 17).

There was a growing demand, though, for a journal where researchers other than those supported through the Pacific Science Board could submit their articles. Harold Maude, in a 1958 letter, encouraged the Pacific Science Board to branch out into demographics, linguistics, and history, to solicit more articles, and to turn the *Atoll Research Bulletin* into a final publication, not just an interim way of getting timely research results out. He pointed out that for many researchers

"there is no other area journal at all likely to publish the results of their work." Before long the *Atoll Research Bulletin* began to broaden its scope by publishing more articles on atolls in the Indian Ocean and cays in the Caribbean. By 1966 even articles on tropical high islands began to appear.

The first issue of the *Atoll Research Bulletin* was mimeographed and sent to only 300 recipients (individuals, research institutions, and libraries). Now the circulation is almost three times that number with an additional 200 copies going to Federal Repositories.

In the beginning, F. Raymond Fosberg was the official editor, but his assistant at the time, Marie-Hélène Sachet, assumed more and more responsibility over the editing and assembly of the journal. As long as Sachet worked part time at the National Academy of Science, the *Atoll Research Bulletin* was issued by that institution. When she and Ray Fosberg both moved over to the Smithsonian under the auspices of the Tropical Biology Program, the journal followed them. In 1969 David R. Stoddart, then of Cambridge University, became an editor and then in 1979 Ian Macintyre of the Department of Paleobiology in the National Museum of Natural History of the Smithsonian joined the editorial team. Royce Oliver, meanwhile, took over production responsibilities for the journal as the business manager. This continued until 1986 when Marie-Hélène Sachet died. Since then, Ian Macintyre has served as coordinating editor with Royce Oliver continuing as business manager. Meanwhile, a board of editors composed of F. Raymond Fosberg, Mark Littler, Ian Macintyre, Joshua Tracey, David Stoddart, and Bernard Salvat now reviews submissions and maintains high publication standards.

While produced by the National Academy of Science, the *Atoll Research Bulletin* was usually funded by a grant from the Office of Naval Research. Because of the link with the South Pacific Commission, though, René Catala's report on the Gilberts (number 59) was funded by the South Pacific Commission. Since 1966, it has usually been supported by the Director's Office of the Smithsonian Institution's National Museum of Natural History. In some exceptional cases, the U.S. Fish and Wildlife Service has funded numbers pertaining to their Pacific Ocean Biological Survey Program. Recently, though, during these times of budgetary uncertainty, Royce Oliver has had to delve into the Bulletin's own small savings account to pay for production.

The *Atoll Research Bulletin* has always been distributed free of charge to interested people, research organizations and libraries, but over the last 25 years, donations have been solicited as a cushion against the risk of budget cuts. There have been bleak times for the *Atoll Research Bulletin* (including the present time), and the board of editors has been grateful for this little nest egg. This particular issue was funded by a grant from the Atherton Seidell Endowment which provides

funds for making already published information more widely accessible. We are very grateful for their generous support.

The *Atoll Research Bulletin* comes out irregularly with an average of two issues per year. An issue may contain between one and 14 numbers each of which is composed of either one authored work or several papers in an edited collection.

#### The List of Contents of the *Atoll Research Bulletin*

The first part of this volume (pp 7 to 65) is the contents list in alphabetical order by first author. Those articles which are part of edited works are listed separately. Even appendices and short notes in the "Atoll News and Comment" and "Island News and Comment" sections are included as long as they have by-lines. There are two unauthored works. One is listed under "Anonymous" and the other, which is a list based on the mollusk collections of H.J. Morgan is listed with Morgan as author. "Atoll News and Comment" and "Island News and Comment" are listed under "Editor (Fosberg F.R. and M-H Sachet)".

Each reference has an annotation. Rather than summarizing the conclusion of an article, an annotation is simply a quick description of its contents in incomplete sentences with a list of supplementary material, such as maps, bibliographies, and photographs. It is intended to help a researcher determine whether the article is likely to be helpful for his or her purposes.

#### The Index Terms

Each article was assigned index terms to allow easy retrieval. The only exceptions are commemorative articles on Marie-Hélène Sachet and certain "Atoll News and Comment" and "Island News and Comment" sections which contain too little information on too many subjects to be really useful to researchers.

These index terms fall into three categories: A) geographic region; B) geologic feature, and C) topic.

A) Most articles pertain to specific islands or island groups. Geographic region index terms were assigned at two levels of abstraction: the more general being nearest continent, ocean or sea (e.g. "Australia", "Pacific" or "Caribbean") and the more specific being the island group and, if given, the specific island (e.g. "Great Barrier Reef, Capricorn Group", "Tuamotus, Raroia" or "Amirantes, Alphonse Island").

B) There are a few articles that discuss geologic features, such as atolls, reefs, high islands, in general without referring to any particular place. These were indexed by the geologic feature.

C) All articles were indexed by the topic at two levels of abstraction: general subject matter (e.g. "Zoology" or "Ecology") and specific topic and taxon, if relevant (e.g. "Insects, Odonata" or "Mangroves"). Often several index terms were assigned to a given article.

Articles were indexed in anticipation of the needs of the user (a fictional composite character who is our image of the typical reader of the *Atoll Research Bulletin*). Even though my policy was to create an index that was generally hierarchical, perfect adherence to this was compromised in cases where I felt it would not have made searches easier. To make an effective search tool, of course, an index to a bibliography has to create artificial groupings of references. It requires some judgment to determine the "best fit" for references and terms. I tried to use index terms that were neither so general they were meaningless nor so specific that the intention of grouping was lost. In the end, as can be seen from the indexes themselves, I practiced some retrofitting to make them most useful.

#### Index by Location and Topic

Following the alphabetical "Contents of the *Atoll Research Bulletin*" (on page 67) is the first of three indexes. This is for people who are searching primarily for information from a geographic region or a specific island and secondarily for a topic.

#### Index by Geologic Feature and Topic

The second index (page 97) is designed to accommodate those ARB articles that pertain to geological features globally without reference to a specific location. It includes these types of features followed, secondarily by general and specific topics.

#### Index by Topic and Location/Geologic Feature

If a researcher is primarily interested in a topic (Pumice scatters, *Acanthaster planci* or Fresh water) then he or she should start with the third index (page 103). Here articles are sorted first by the general and specific topics and then by the geographic region or geologic feature.

### Acknowledgments

A great many people helped to put this issue together.

Thanks go to F. Raymond Fosberg of the Botany Department, National Museum of Natural History and to Janice Goldblum and her staff in the National Academy of Sciences archives for information and recollections about the history of the journal.

Royce Oliver and Ian Macintyre solved production problems, and Constance Barut Rankin and Mary Parrish applied their graphics design skills to the introductory pages of each section. Warren L. Wagner and Laurence Skog of the Department of Botany gave support and guidance.

For help with plant and animal systematics and much other substantive advice, I thank Barrett Brooks, Stephen Cairns, Michael Carleton, Roger Clapp, Ray Fosberg, Suzanne Fredericq, Diane Littler, Mark Littler, Ian Macintyre, Ray Manning, Gustav Paulay, Warren Steiner, and Joshua Tracey.

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**CONTENTS OF THE *ATOLL RESEARCH BULLETIN*  
1951 THROUGH 1990**

**Abbott, Isabella A.**

1961. A Check List of Marine Algae from Ifaluk Atoll, Caroline Islands. *A.R.B.* No. 77:1-5.  
Checklist of marine algae collected from Ifalik (Micronesia) by Donald P. Abbott in 1953. Bibliography.

**Adams, C. C.**

1969. A Botanical Description of Big Pelican Cay, a Little Known Island off the South Coast of Jamaica. *A.R.B.* No. 130:1-10.  
General description and vegetation of Big Pelican Cay off south coast of Jamaica. Map, bibliography, and photographs.

**Adey, Walter H.**

1975. The Algal Ridges and Coral Reefs of St. Croix. *A.R.B.* No. 187:1-67.  
Analysis of cores drilled through St. Croix's algal ridges for paleoecological study. Results of C14 dating and identification of algae responsible for ridge building. Charts, diagrams, maps, photographs, and bibliography.

**Adey, Walter, Patricia Adey, Randolph Burke and Leslie Kaufman**

1977. The Holocene Reef Systems of Eastern Martinique, French West Indies. *A.R.B.* No. 218:1-40.  
Description of reefs and colonies of fleshy algae of Martinique. Discussion of whole reef ecosystem (fish, benthic algae, coral) and environmental determinants of fleshy algae abundance. Bibliography, maps, diagrams, tables.

**Allen, Melinda**

1989. Artifacts from 1987 Excavations on Henderson Island. *A.R.B.* No. 325:15-18.  
Description of artifacts (fishhooks, modified shells, coral cobbles, and a coral abrader (?)) found in cave sites on Henderson Island (Pitcairn Group, Southeastern Pacific). Illustrations.

**Amerson, A. Binion**

1969. Ornithology of the Marshall and Gilbert Islands. *A.R.B.* No. 127:1-348.  
Summary of environmental and geographic conditions on 50 atolls in the Marshall and Gilbert Islands with bird lists for each. History of ornithological explorations. Analysis of bird distribution. Annotated sea bird list. Maps, tables, and bibliography.
1971. The Natural History of French Frigate Shoals, Northwestern Hawaiian Islands. *A.R.B.* No. 150:1-383.  
History of French Frigate Shoals (Leeward Islands of the Hawaiian chain). Vegetation, terrestrial fauna, and description of individual islands. Emphasis on bird species. Bibliography and list of scientific collections made.

**Amerson, A. Binion, Roger B. Clapp and William O. Wirtz**

1974. The Natural History of Pearl and Hermes Reef, Northwestern Hawaiian Islands. *A.R.B.* No. 174:1-306.  
General description of Pearl and Hermes Reefs including geology, climate, history, vegetation, and terrestrial vertebrates (especially birds). Reference to the endangered Laysan Duck (*Anas laysanensis*). Photographs, charts, and bibliography.

**Amerson, A. Binion and K. C. Emerson**

1971. Records of Mallophaga from Pacific Birds. *A.R.B.* No. 146:1-30.  
List of Mallophaga parasites on bird hosts from the central Pacific with list of birds and their locations.

**Amerson, A. Binion and Philip Shelton**

1976. The Natural History of Johnston Atoll, Central Pacific Ocean. *A.R.B.* No. 192:1-479.

Physical environment, history, and biota of Johnston Island with plant and animal lists. Special mention of ciguatera in fishes and detailed description of avifauna and nesting behavior. Photographs, charts and bibliography.

**Anderson, Donald**

1951. The Plants of Arno Atoll, Marshall Islands. *A.R.B.* No. 7:1-4.

List of flora of Arno Atoll with native names of vascular terrestrial plants.

**Anonymous**

1987. Tributes to Marie-Hélène Sachet. *In* Introduction to Marie-Hélène Sachet

Commemorative. Issue. *A.R.B.* No. 293:8-10.

**Antonius, Arnfried**

1972. Hurricane Laura, Witnessed in British Honduras. *In* Island News and Comment.

*A.R.B.* No. 162:11-12.

Account of effects of Hurricane Laura (1971) in British Honduras (Belize).

**Antonius, Arnfried, Georg Scheer, and Claude Bouchon**

1990. Corals of the Eastern Red Sea. *A.R.B.* No. 334:1-22.

Analysis of coral collections from all parts and depths of the Red Sea. Description of coral ecosystems in Red Sea and each collecting site. Systematic list of species collected. Map, bibliography.

**Apfelbaum, Steven I., James P. Ludwig and Catherine E. Ludwig**

1983. Ecological Problems Associated with Disruption of Dune Vegetation Dynamics by

*Casuarina equisetifolia* L. at Sand Island, Midway Atoll. *A.R.B.* No. 261:1-19.

Account of undesirable consequences of the introduction of *Casuarina* on Midway Atoll (Leeward islands in the Hawaiian chain). Discussion of *Casuarina* ecology. Charts, graphs, bibliography, plant list.

**Arnold, Ted**

1954. The Hydrology of the Northern Marshall Islands. *A.R.B.* No. 30:1-7.

Description of climate, tides and water supplies for Arno Atoll. Graphs, bibliography, charts.

1955. The Hydrology of Ifalik Atoll, Western Caroline Islands. *A.R.B.* No. 44:1-15.

General description of Ifalik (Micronesia) including climate and tides. Specific discussion of fresh water from rain and ground with chemical analyses. Charts, maps, and bibliography.

**Askew, R. R.**

1980. The Insect Fauna of Little Cayman. *In* Stoddart and Giglioli (editors) Geography and

Ecology of Little Cayman. *A.R.B.* No. 241:97-114.

Preliminary analysis of insects collected from Little Cayman (Caribbean) and description of general characteristics of insect fauna. Chart and bibliography.

1980. *Odonata*, of the Cayman Islands. *In* Stoddart and Giglioli (editors) Geography and Ecology of Little Cayman. *A.R.B.* No. 241:115-120.

Dragonflies observed on Little Cayman Island (Caribbean). Bibliography.

1980. The Butterfly (Lepidoptera, Rhopalocera) Fauna of the Cayman Islands. *In* Stoddart and Giglioli (editors) Geography and Ecology of Little Cayman. *A.R.B.* No. 241:121-138.

Butterflies observed on Little Cayman Island (Caribbean) and comparisons with nearby islands. Bibliography, maps and graphs.

**Askew, R. R. (cont)**

1980. Hawkmoths (Lepidoptera, Sphingidae) of Little Cayman. *In* Stoddart and Giglioli (editors) *Geography and Ecology of Little Cayman*. *A.R.B.* No. 241:139-140.

Short list of hawkmoths known for Little Cayman Island (Caribbean). Bibliography.

**Bakus, Gerald J.**

1975. Marine Zonation and Ecology of Cocos Island, off Central America. *A.R.B.* No. 179:1-8.

Description of underwater biotic zones on the leeward side of Cocos Island (Costa Rica). Bibliography and photographs.

**Bakus, Gerald J. (editor)**

1972. Marine Studies on the North Coast of Jamaica. *A.R.B.* No. 152:1-6.

Abstracts of papers on marine biology of the north coast of Jamaica by students in an Organization for Tropical Studies (OTS) course on tropical marine biology. Bibliography.

**Balazs, George H.**

1975. Marine Turtles in the Phoenix Islands. *A.R.B.* No. 184:1-7.

Observations of marine turtles on Canton Island (Central Pacific): their status, their nesting behavior and predators. Bibliography and map.

**Balazs, George H.**

1983. Sea Turtles and Their Traditional Usage in Tokelau. *A.R.B.* No. 279:1-30.

Status, ecology and human usage of sea turtles at the three Polynesian atolls of Tokelau. Goal to work with local people to promote conservation. Maps, photographs, and bibliography.

**Balazs, George H.**

1985. Status and Ecology of Marine Turtles at Johnston Atoll. *A.R.B.* No. 285:1-46.

Documentation of available information on marine turtles on Johnston Atoll (northeastern Pacific) and results of a short-term tagging study. Maps, tables, bibliography.

**Banner, Albert H.**

1961. Submarine Effects of the Typhoon. *In* Blumenstock (editor) *A Report on Typhoon Effects Upon Jaluit Atoll*. *A.R.B.* No. 75:75-78.

Effects of typhoon Ophelia on the reefs of Jaluit (Marshall Islands).

**Banner, Albert H., Judd C. Nevenzal and Webster R. Hudgins**

1969. Marine Toxins from the Pacific II. The Contamination of Wake Island Lagoon.

*A.R.B.* No. 122:1-9.

Narrative of infestation of Wake Island lagoon with noxious smelling, toxic substance on June 20, 1965. Results of lab analyses and speculations of cause. Bibliography, photographs, and tables.

**Banner, Albert H. and John E. Randall**

1952. Preliminary Report on Marine Biology Study, Onotoa Atoll, Gilbert Islands.

*A.R.B.* No. 13:1-62.

Ecology of Onotoa's (Kiribati) windward and lagoon reefs. Gilbertese use of and names for marine invertebrates. Study of fish. Maps.

**Barrett, Kimball L. and Ralph W. Schreiber**

1988. The Birds of Bikini Atoll, Marshall Islands: May 1986. *A.R.B.* No. 314:1-46.

Observations of birds on Bikini with recommendations concerning future monitoring, radioactive clean-up, and conservation. Species list, maps, bibliography, charts.

**Battistini, R. and G. Cremers, G.**

1972. Geomorphology and Vegetation of Iles Glorieuses. *A.R.B.* No. 159:1-10.  
Geomorphology, botanical history, vegetation, and flora of Grande Glorieuse and Ile du Lys (Indian Ocean).  
Bibliography, maps, diagrams, and photographs.

**Battistini, R. and C. Jouannic**

1979. Recherches sur la Géomorphologie de l'Atoll Farquhar (Archipel des Seychelles).  
*A.R.B.* No. 230:1-20.  
History, general description, and geomorphology of Farquhar Atoll in the Seychelles with mention of the large lagoon embankments and alignments which make Farquhar so unusual. In French. Maps, graphs, photographs, and bibliography.

**Battistini, R. and M. Petit**

1979. Récifs Coralliens, Constructions Algueuses, et Arrécifs à la Guadeloupe, Marie Galante et la Désirade. *A.R.B.* No. 234:1-7.  
Short inventory of reefs of Guadeloupe and its two dependencies, Marie Galante and Désirade. Description of reef morphology and identification of unique features. In French. Maps, charts and bibliography.

**Bayne, C.J., B.H. Cogan, A.W. Diamond, J. Frazier, P. Grubb, A. Hutson, M.E.D. Poore, David R. Stoddart and J.D. Taylor**

1970. Geography and Ecology of Cosmoledo Atoll. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:37-56.  
History of scientific research on Cosmoledo. Description of geomorphology, vegetation, fauna, and human settlement. Bibliography and map.

**Bayne, C.J., B.H. Cogan, A.W. Diamond, J. Frazier, P. Grubb, A. Hutson, M.E.D. Poore, David R. Stoddart and J.D. Taylor**

1970. Geography and Ecology of Astove. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:83-100.  
History of scientific research on Astove. Descriptions of island geomorphology, vegetation, fauna, and human settlements. Map and bibliography.

**Benson, A. A., J. S. Patton and S. Abraham**

1978. Energy Exchange in Coral Reef Ecosystems. *In* Smith (editor) Coral Reef Ecosystems: Proceedings of Papers Presented at the 13th Pacific Science Congress, Vancouver.  
*A.R.B.* No. 220:33-54.  
Study of the wax accumulation in corals with mention of coral feeders such as *Acanthaster* and of commensal relationships with coral. Bibliography.

**Benson, C. W.**

1967. The Birds of Aldabra and Their Status. *A.R.B.* No. 118:62-111.  
Systematic list of land and sea birds of Aldabra (Western Indian Ocean). Bibliography.
1970. Land (including shore) Birds of Cosmoledo. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:67-82.  
Extensively annotated list of land and shore birds of Cosmoledo. Bibliography.
1970. Land (including shore) Birds of Astove. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:115-120.  
List of land and shore birds of Astove. Bibliography.

**Benson, C. W. (cont)**

1970. An Introduction of *Streptopelia picturata* into the Amirantes. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:195-196.

Observation of the introduced Malagasy turtledove on St. Joseph Atoll in the Amirantes. Bibliography.

1972. Some Land Bird Migrants in the Western Indian Ocean. *In* Island News and Comment. *A.R.B.* No. 162:10-11.

Account of sighting of *Phylloscopus* species on African Banks. Two other migrants also mentioned.

**Benson, C. W., H. H. Beamish, C. Jouanin, J. Salvan and G. E. Watson**

1975. The Birds of Iles Glorieuses. *A.R.B.* No. 176:1-34.

Detailed annotated list of birds observed in the Iles Glorieuses (Gloriosa in the Western Indian Ocean). Maps and bibliography.

**Birkeland, Charles**

1981. *Acanthaster* in the Cultures of High Islands. *A.R.B.* No. 255:55-59.

Occurrence of *Acanthaster* in traditional history, folklore and cultures of high islands of Polynesia, Micronesia and Melanesia. Speculation that *Acanthaster* outbreaks are nothing new. Native names and bibliography.

**Blackmore, S.**

1981. Penetration of Host Plant Tissues by the Stylets of the Coccoid *Icerya seychellarum* (Coccoidea: Margaroidae) on Aldabra Atoll. *A.R.B.* No. 255:33-38.

Microscopic study of the path of penetration of stylets of *Icerya seychellarum* through tissues of host plants on Aldabra (Western Indian Ocean). Bibliography.

**Blumenstock, David I.**

1961. Wind, Wave, and Storm Conditions at Jaluit, January 7-8, 1958. *In* Blumenstock (editor) A Report on the Typhoon Effects Upon Jaluit Atoll. *A.R.B.* No. 75:5-20.

Native accounts of Typhoon Ophelia on Jaluit. Reconstruction of events and summary of evidence. Maps.

**Blumenstock, David I. (editor)**

1961. A Report on Typhoon Effects Upon Jaluit Atoll. *A.R.B.* No. 75:1-105.

Documentation of wind, wave, and storm conditions at Jaluit in the Marshall Islands 1/7-8/1958 (Typhoon Ophelia) with accounts by natives. Charts and map.

**Blumenstock, David I. Daniel F. Rex and Irwin E. Lane**

1960. Microclimatic Observations at Eniwetok with a Special Section on Vegetation. *A.R.B.* No. 71:1-158.

Data on climate of Eniwetok (Marshall Islands) including hydrography, topography, vegetation and detailed charts of meteorological conditions. Maps and photographs.

**Bourne, W. R. P.**

1971. The birds of the Chagos Group, Indian Ocean. *In* Stoddart and Taylor (editors) Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago. *A.R.B.* No. 149:175-207.

Description of each island in Chagos group. Notes on species of birds found regularly and occasionally there with observation that Chagos group may already have experienced decline in bird populations and diversity. Bibliography.

1981. Rats as Avian Predators: Discussion. *A.R.B.* No. 255:69-72.

Response to F.I. Norman (ARB #182) on subject of rat's role as an avian predator. Examples of extermination of birds by rats on Amsterdam Island, New Zealand, Bermuda, and British Isles.

**Boyden, Alan**

1953. Collecting Serological Samples. *A.R.B.* No. 17:96-99.

How to collect serological samples from various animals for the Serological Museum at Rutgers University. How to make serological collections without specialized equipment.

**Brooke, R. K.**

1981. Layard's Bird Hunting Visit to Tromelin or Sandy Island in December 1856.

*A.R.B.* No. 255:73-82.

Observations made by Edgar Leopold Layard (1856) on bird breeding habits in Southern Indian Ocean. Eight page passage taken from his published notebook. Bibliography.

**Brown, B. E., M. C. Holley, L. Sya'rani and M. le Tissier**

1983. Coral Assemblages of Reef Flats Around Pulau Pari, Thousand Islands, Indonesia.

*A.R.B.* No. 281:1-14.

Comparison of distribution of corals among the sheltered southern reefs and the exposed northern reefs around Pulau Pari in Indonesia. Tables, map and bibliography.

**Bruce, A. J.**

1977. The Hosts of the Coral-Associated Indo-West-Pacific Pontoniine Shrimps.

*A.R.B.* No. 205:1-19.

Description of the association between shrimps of the subfamily Pontoniinae and Scleractinian corals in the Indo-West Pacific region. Bibliography.

1981. Pontoniine Shrimps of Heron Island. *A.R.B.* No. 245:1-33.

Annotated systematic list of shrimp in the subfamily Pontoniinae from Heron Island of the Great Barrier Reef. Discussion of commensal associations with other marine invertebrates. Charts and bibliography.

**Bryan, E. H.**

1951. Coral Atoll Bibliography. *A.R.B.* No. 2:14.

Importance, scope and progress of atoll bibliography. No bibliography included.

1953. Introduction to the Geography of Atolls. *A.R.B.* No. 17:1-9.

Summary of features of coral atolls and theories of their formation. List of geographic subjects in need of investigation. Bibliography.

1953. Check List of Atolls. *A.R.B.* No. 19:1-38.

List of islands that qualify as "atolls" according to Coral Atoll Symposium (1951) definition. Includes synonymous names, longitudes and latitudes, informative notes, and references to U.S. Hydrographic Office charts.

1959. Notes on the Geography and Natural History of Wake Island. *A.R.B.* No. 66:1-22.

Summary of observations made of Wake Island (North Pacific) through history. Notes on rats and pest control (by Fosberg). List of land and freshwater vertebrates. Bibliography.

**Buckley, Ralf**

1985. Vegetation and Flora of the Lowendal Islands, Western Australia. *A.R.B.* No. 292:75-82.

Botanical observations from islands off Western Australian coast. Maps, species lists, bibliography.

**Buddemeier, R. W.**

1978. Sclerochronology: A Data Source for Reef Systems Models. *In* Smith (editor) Coral Reef Ecosystems: Proceedings of Papers Presented at the 13th Pacific Science Congress, Vancouver.

*A.R.B.* No. 220:25-32.

Investigation of the extent to which scleractinian coral growth patterns may provide useful data for modelling efforts in coral-reef ecosystems. Bibliography.

**Buggeln, Richard G.**

1965. A Preliminary List of the Algal Flora of the Midway Islands. *A.R.B.* No. 109:1-11.

Annotated list of marine algae collected from Eastern and Sand Islands making up the Midway Islands (Leeward Islands of the Hawaiian chain). Bibliography.

**Buggeln, Richard G. and Roy T. Tsuda**

1969. A Record of Benthic Marine Algae from Johnston Atoll. *A.R.B.* No. 120:1-20.

Annotated list of marine benthic algae from Johnston Atoll (north central Pacific). Bibliography.

**Bussing, William A.**

1972. Recolonization of a Population of Supratidal Fishes at Eniwetok Atoll, Marshall Islands.

*A.R.B.* No. 154:1-4.

Pattern of recolonization of fish at Enewetak Island of Enewetak Atoll (Marshall Islands) to ascertain rate and manner of succession. Charts and bibliography.

**Butler, George D. and Robert L. Usinger**

1963. Insects and Other Invertebrates from Laysan Island. *A.R.B.* No. 98:1-30.

Annotated list of insects and other arthropods found on Laysan (Leeward Islands of the Hawaiian chain). Discussion of relationships between birds and arthropods (ectoparasites) and between plants and insects. Description of lake ecology. Bibliography.

**Byrne, Roger**

1980. Man and the Variable Vulnerability of Island Life: A Study of Recent Vegetation Change in the Bahamas. *A.R.B.* No. 240:1-200.

Study of the impact of human settlement and introductions on the vegetation of Cat Island in the Bahamas. Photographs, maps, charts, systematic plant list, and bibliography.

**Carroll, Dorothy [with John C. Hathaway]**

1965. Laboratory Examination of Unconsolidated Sediments. *In* Fosberg and Carroll (editors)

Terrestrial Sediments and Soils of the Northern Marshall Islands. *A.R.B.* No. 113:31-42.

Study of beach sands and soils from Northern Marshalls: size, biotic composition, mineral composition (by John C. Hathaway). Photographs, maps, graphs, and charts.

**Carroll, Vern**

1964. Place Names on Nukuoro Atoll. *A.R.B.* No. 107:1-11.

Nukuoro (Polynesian outlier in Micronesia) native concepts of geography and island classes -- including man-made islands. Local place names and their etymologies.

**Catala, René L. A.**

1957. Report on the Gilbert Islands: Some Aspects of Human Ecology. *A.R.B.* No. 59:1-187.

Description of subsistence, resource use, agriculture, insects, and general human ecology of Onotoa in the Gilberts. Includes recommendations for economic development. Gilbertese vocabulary, bibliography, photographs, illustrations, charts.

**Cheke, A. S. and J. C. Lawley,**

1983. Biological History of Agalega, with Special Reference to Birds and Other Land

Vertebrates. *In* Sachet, Stoddart, and Fosberg (editors) Floristics and Ecology of Western Indian Ocean Islands. *A.R.B.* No. 273:65-108.

Exploration and study of Agalega, geologic history, climate, vegetation, list of land vertebrates and sea turtles with comments on past observations and present status. Introduction and disappearance of coconut crabs. Bibliography and photographs.

**Child, Peter**

1960. Birds of the Gilbert and Ellice Islands Colony. *A.R.B.* No. 74:1-38.

Lists of resident and migratory birds in the Gilbert and Ellice Islands. List of trees commonly associated with birds. Bibliography.

**Chock, Alvin K. and Dean C. Hamilton**

1962. Plants of Christmas Island. *A.R.B.* No. 90:1-7.

Checklist of plants found on Christmas Island (central Pacific). Short history of island, map and bibliography.

**Clapp, Roger B.**

1972. The Natural History of Gardner Pinnacles, Northwestern Hawaiian Islands.

*A.R.B.* No. 163:1-25.

General description of Gardner Pinnacles with emphasis on geology, botany, and vertebrate fauna. Maps, bibliography, and photographs

1977. Notes on the Vertebrate Fauna of Tongareva Atoll. *A.R.B.* No. 198:1-7.

Notes on reptiles and mammals of Tongareva Atoll (central Pacific) with more extensive annotated species list of birds. Bibliography.

1987. Status of the Red-Footed Booby Colony on Little Cayman Island. *A.R.B.* No. 304:1-15.

Description of the colony of red-footed boobies on Little Cayman (Caribbean). Recommendations for its protection. Photographs, bibliography, maps, tables.

1990. Notes on the Birds of Kwajalein Atoll, Marshall Islands. *A.R.B.* No. 342:1-94.

Survey of birds from several islets in Kwajalein Atoll. Description of islets and detailed annotated bird list. Recommendation that bird populations on Legan, Enewetak and Gellinam islets be protected. Bibliography, photographs, map and tables.

**Clapp, Roger B. and Eugene Kridler**

1977. The Natural History of Necker Island, Northwestern Hawaiian Islands.

*A.R.B.* No. 206:1-102.

Geology, history, prehistory, vegetation (by Derral Herbst), birds, reptiles, near-shore mammals of Necker Island. Photographs and bibliography.

**Clapp, Roger B., Eugene Kridler and Robert R. Fleet**

1977. The Natural History of Nihoa Island, Northwestern Hawaiian Islands. *A.R.B.* No. 207:1-147.

Geology, history, prehistory, vegetation (by Derral Herbst), birds, reptiles, near-shore mammals of Nihoa Island. Reference to endangered Nihoa millerbird (*Acrocephalus familiaris*) and Nihoa Finch (*Telespyza ultima*). Photographs and bibliography.

**Clapp, Roger B. and Fred C. Sibley**

1971. The Vascular Flora and Terrestrial Vertebrates of Vostok Island, South-Central Pacific.

*A.R.B.* No. 144:1-9.

Observations of vascular plants, fish, reptiles, birds, mammals, and avian ectoparasites from Vostok in the Line Islands. Map, bibliography, and photographs.

1971. Notes on the Vascular Flora and Terrestrial Vertebrates of Caroline Atoll Southern Line Islands. *A.R.B.* No. 145:1-18.

Observations of vascular plants, fish, reptiles, birds, mammals, and avian ectoparasites from Caroline Atoll in the Southern Line Islands. Map, bibliography, and photographs.

**Clapp, Roger B. and William O. Wirtz**

1975. The Natural History of Lisianski Island, Northwestern Hawaiian Islands.  
*A.R.B.* No. 186:1-196.

General description, geology, history, vegetation and fauna of Lisianski (Leeward Islands of Hawaiian chain).  
 Detailed discussion of birds and their behavior. Bibliography, photographs, and tables.

**Clark, A. M. and J. D. Taylor**

1971. Echinoderms from Diego Garcia. *In* Stoddart and Taylor (editors) *Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago*. *A.R.B.* No. 149:89-92.

Annotated list of echinoderms from Diego Garcia. Bibliography.

**Clay, Horace F.**

1961. Narrative Report of Botanical Field Work on Kure Islands, 3 October 1959 to 9 October 1959. *A.R.B.* No. 78:1-4.

List of plants found on Kure atoll (mainly Green Island) during 1959 Navy survey (Leeward islands of Hawaiian chain) to build albatross "runways". Aerial photos before and after runway construction.

**Cloud, Preston E.**

1952. Preliminary Report on Geology and Marine Environments of Onotoa Atoll, Gilbert Islands.  
*A.R.B.* No. 12:1-73.

Geology and biology of Onotoa lagoon with discussions of beachrock, coral, hydrology, and atoll formation.  
 Bibliography.

**Clough, Barrett C. and George Fulk**

1971. The Vertebrate Fauna and the Vegetation of East Plana Cay, Bahama Islands.  
*A.R.B.* No. 138:1-17.

General characteristics of East Plana Cay in the Bahamas. Description of lizards, birds, vegetation, and the rodent, *Geocapromys ingrahami*. Bibliography and photographs.

**Coblentz, Bruce E. and Dirk Van Vuren**

1987. Effects of Feral Goats (*Capra hircus*) on Aldabra Atoll. *A.R.B.* No. 306:1-6.

History of goat introductions on oceanic islands and comments on the ensuing extinctions and destruction of native vegetation. Bibliography.

**Coblentz, Bruce E., Dirk Van Vuren, and Martin B. Main**

1990. Control of Feral Goats on Aldabra Atoll. *A.R.B.* No. 337:1-10.

Discussion of harmful role of feral goats on Aldabra, recommendation of extermination, discussion of ecological dominance of feral goats and history of their establishment in the Seychelles. Bibliography, map, charts.

**Cohic, F.**

1959. Report on a Visit to the Chesterfield Islands, September 1957. *A.R.B.* No. 63:1-11.

Description of history, vegetation, flora, and fauna of the Chesterfield Islands. maps and bibliography.

**Connor, Judith and Walter H. Adey**

1977. The Benthic Algal Composition, Standing Crop, and Productivity of a Caribbean Algal Ridge. *A.R.B.* No. 211:1-15.

Description of algal ridges off St. Croix with estimates of reef productivity. Lists of algae species. Bibliography, maps, tables, and graphs.

**Coolidge, Harold J.**

1951. Introduction. *A.R.B.* No. 1:2-5.

Introduction to the Coral Atoll Project (Pacific Science Board of the National Research Council) and Research Project E6 (South Pacific Commission). List of participants in Arno pilot project and summary of economic development options on atolls.

**Cortés, Jorge**

1990. The Coral Reefs of Golfo Dulce, Costa Rica: Distribution and Community Structure.

*A.R.B.* No. 344:1-37.

Description of Golfo Dulce on Costa Rica's Pacific coast comparing deteriorating inner gulf reefs with healthy outer gulf reefs. Difference explained by tectonics and siltation due to deforestation and poor land use. Bibliography, photographs, map.

**Cox, Doak C.**

1951. The Hydrology of Arno Atoll, Marshall Islands. *A.R.B.* No. 8:1-31.

Description of climate, tides, rain catchment and ground water of Ine Islet, Arno Atoll. Illustrations, sections, graphs.

1953. Hydrology. *A.R.B.* No. 17:24-37.

Ways of estimating the mean head, salinity, hardness, and density of fresh ground water on atolls. Based on experience on Arno.

**Cox, Doak, Dan A. Davis and Chester K. Wentworth**

1951. Geology and Ground Water of Atolls. *A.R.B.* No. 2:3-4.

Importance of geologic research and study of ground water on atolls. Summary of main data needs.

**Crocombe, R. G.**

1961. Land Tenure in the Cook Islands. *In* Doran (editor) Land Tenure in the Pacific.

*A.R.B.* No. 85:55-60.

Social, and political aspects of indigenous land tenure of Cook Islands. Comments on the 1961 situation and agrarian reform.

**Crombie, Ronald I., David W. Steadman and John C. Barber**

1983. A Preliminary Survey of the Vertebrates of Cabarita Island, St. Mary Parish, Jamaica.

*A.R.B.* No. 280:1-12.

Survey of vertebrate fauna of Cabarita Island off Jamaica to investigate degree of endemism and rate of destruction of fauna on a small island in the Antilles. Annotated list of terrestrial vertebrates. Bibliography, photographs, and map.

**Cubit, John and Suelynn Williams**

1983. The Invertebrates of Galeta Reef (Caribbean Panama): A Species List and Bibliography.

*A.R.B.* No. 269:1-45.

List of species of invertebrates found off Caribbean Panama. Map, diagram, bibliography.

**D'Arcy, W. G.**

1971. The Island of Anegada and its Flora. *A.R.B.* No. 139:1-21.

General description of Anegada, British Virgin Islands. Vegetation and check list of flora. Bibliography, photographs, and maps.

1975. Anegada Island: Vegetation and Flora. *A.R.B.* No. 188:1-40.

Physical description, vegetation, and check list of plants of Anegada, Virgin Islands. Map and bibliography.

**Dahl, Arthur L.**

1978. Spatial Modelling of Coral Reefs. *In* Smith (editor) *Coral Reef Ecosystems: Proceedings of Papers Presented at the 13th Pacific Science Congress, Vancouver*. *A.R.B.* No. 220:13-20.

Analysis of the spatial arrangement of component parts of coral reefs with intention to link such a physical structure model to models of energy and material flows. Bibliography.

**Dahl, Arthur L., Ian G. Macintyre and Arnfried Antonius**

1974. A Comparative Survey of Coral Reef Research Sites. *In* Sachet and Dahl (editors) *Comparative Investigations of Tropical Reef Ecosystems: Background for an Integrated Coral Reef Program*.

*A.R.B.* No. 172:38-120.

Brief comparison of coral reef regions in the Caribbean and Pacific in order to choose the optimum research site. Maps, diagrams, and bibliography.

**Dahl, Arthur L., B. C. Patten, S. V. Smith and J. C. Zieman**

1974. A Preliminary Coral Reef Ecosystem Model. *In* Sachet and Dahl (editors) *Comparative Investigations of Tropical Reef Ecosystems: Background for an Integrated Coral Reef Program*.

*A.R.B.* No. 172:7-37.

Attempt to design a computer model of a coral reef ecosystem. Bibliography and diagrams.

**Dana, Thomas F.**

1979. Species Numbers Relationships in an Assemblage of Reef-Building Corals: McKean Island, Phoenix Islands. *A.R.B.* No. 228:1-27.

Investigation of species-numbers relationships in the McKean Island assemblage of reef-building corals to discover how they changed along environmental gradients of the reef. Bibliography, lists of coral species, charts, graphs, and photographs.

**Danielsson, Bengt and Aurora Natua**

1954. Raroian Culture. *A.R.B.* No. 32:1-109.

Five parts: Economy of Raroia, Native topographical terms, native coconut palm terms, bird names (coauthored by Aurora Natua), and check list of native names of fishes. Sections on demography, land tenure, subsistence, labor. Bibliography, maps, charts.

**Darwin, Charles (with editorial comments by David R. Stoddart)**

1962. Coral Islands. *A.R.B.* No. 88:1-20.

Introduction, map and remarks by David Stoddart. Excerpts relating to theories of coral island origins taken from such sources as Darwin's autobiography, *The Structure and Distribution of Coral Reefs*, and *Journal and Researches: 1832-1836*. Bibliography.

**Dawson, E. Yale**

1959. Some Marine Algae from Canton Atoll. *A.R.B.* No. 65:1-6.

Annotated list of marine algae (green, brown, and red algae) from Canton. Bibliography.

**DeFilipps, Robert A.**

1987. A Bibliography of Plant Conservation in the Pacific Islands: Endangered Species, Habitat Conversion, Introduced Biota. *A.R.B.* No. 311:1-195.

Annotated bibliography of plant conservation with indices by subject and geographic region. map.

**DeFilipps, Robert A., Shirley L. Maina and Leslie A. Pray**

1988. The Palauan and Yap Medicinal Plant Studies of Masayoshi Okabe, 1941-1943.

*A.R.B.* No. 317:1-25.

Edited translation of Masayoshi Okabe's work on Palauan and Yapese medicinal plants with biographical information about Okabe and a review of other literature pertaining to medicinal flora of Palau and Yap. Plant lists and bibliography.

**Degener, Otto and Isa Degener**

1959. Canton Island, South Pacific (Resurvey of 1958). *A.R.B.* No. 64:1-24.

Resurvey of plants of Canton Island following introduction of exotics. Description of climate and soils, and list of plants observed. Bibliography.

**Degener, Otto and Edwin Gillaspay**

1955. Canton Island, South Pacific. *A.R.B.* No. 41:1-51.

Results of a survey of Canton for purposes of planning the revegetation of areas effected by human activity. Description of climate, topography, history, land and aquatic flora, and land fauna. Recommendation of importing plant species.

**Delesalle, B. and colleagues**

1985. Environmental Survey of Mataiva Atoll, Tuamotu Archipelago, French Polynesia.

*A.R.B.* No. 286:1-34.

Explanation of the partitioning of lagoons on Mataiva as a result of alternating subsidence and uplifting in geologic history. Description of hydrological environment and ecology of the distinct pools. Bibliography, species lists, figures, photographs.

**Devaney, Dennis M. and John E. Randall**

1973. Investigations of *Acanthaster planci* of Southeastern Polynesia during 1970-1971.

*A.R.B.* No. 169:1-21.

Survey for *Acanthaster planci* in Tuamotus, Gambier Group, Pitcairn Group, Rapa, The Australs, the Cooks, the Society Islands, the Marquesas and American Samoa. Charts, photographs, and maps.

**Diamond, A. W.**

1980. Ecology and Species Turnover of the Birds of Little Cayman. *In* Stoddart and Giglioli (editors) *Geography and Ecology of Little Cayman*. *A.R.B.* No. 241:141-164.

Description and systematic list of avifauna in Cayman Islands, Little Cayman in particular. Discussion of habitat and breeding behavior and need for conservation. Bibliography.

1980. The Red-footed Booby Colony on Little Cayman: Size, Structure and Significance. *In* Stoddart and Giglioli (editors) *Geography and Ecology of Little Cayman*. *A.R.B.* No. 241:165-170.

Size of population and distribution of Red Footed Boobies (*Sula sula*) on Little Cayman. Possible ecological implications of economic development on booby habitats. Map, charts, and bibliography.

**Diamond, E. P.**

1981. An Early Report of the Flora and Fauna of the Aldabra Group. *A.R.B.* No. 255:1-10.

Summary of report made by Sgt. F. Rivers in 1878 which sheds light on changes on islands in the Aldabra Group over 100 years. Bibliography.

**DiSalvo, Louis H.**

1972. Bacterial Counts in Surface Open Waters of Eniwetok Atoll, Marshall Islands.

*A.R.B.* No. 151:1-3.

Bacterial counts for samples from coral reefs of Enewetak Atoll. Charts and bibliography.

**Domm, S. B.**

1971. The Uninhabited Cays of the Capricorn Group, Great Barrier Reef, Australia. *A.R.B. No. 142:1-27.*

Description of uninhabited cays of the Capricorn Group on the Great Barrier Reef with special attention to birds and human interference. Bibliography and photographs.

1971. The Safe Use of Open Boats in the Coral Reef Environment. *A.R.B. No. 143:1-10.*

How to navigate around the Great Barrier Reef. The choice of the proper boat and guidelines to gauging tides, reef access, water depth, and bearings.

1971. Mapping Reefs and Cays, a Quick Method for the Scientist Working Alone  
Island News and Comment. *A.R.B. No. 148:15-17.*

How to map reefs and cays with minimal equipment, time, and manpower.

**Domm, Steven and John Messersmith**

1990. Feral Cat Eradication on a Barrier Reef Island, Australia. *A.R.B. No. 338:1-4.*

Predation by feral cats on wedge-tailed shearwaters on North West Island, Great Barrier Reef. Generally harmful role of cats in relation to defenseless birds. Description of eradication of cats from North West Island. Bibliography.

**Donaldson, A. and B. A. Whitton**

1977. Chemistry of Freshwater Pools on Aldabra. *A.R.B. No. 213:1-25.*

Analysis of fresh water in pools on Aldabra from 1972-1973 with discussion of the unusually high levels of dissolved phosphate and ammonia-N in the water. Bibliography, photographs, and tables.

1977. Algal Flora of Freshwater Habitats on Aldabra. *A.R.B. No. 215:1-18.*

List of algae in freshwater pools on Aldabra with observations on distribution of species, seasonality, habitat adaptation, and grazing by planktonic animals. Bibliography and chart.

**Doran, Edwin**

1960. Report on Tarawa Atoll, Gilbert Islands. *A.R.B. No. 72:1-54.*

Summary of living conditions -- environmental, social, political, medical, etc. -- on Tarawa in the Gilberts.  
Appendices, photographs.

1961. Gilbert Islands Landscape. *In* Doran (editor) Land Tenure in the Pacific. *A.R.B. No. 85:5-8.*

Description of rainfall, vegetation, population, and atoll land mass of Gilbert Islands and Tarawa, in particular. Suggests that rainfall limits food production and hence population, but cannot demonstrate this statistically. Table, maps.

1961. Marshall Islands Landscape. *In* Doran (editor) Land Tenure in the Pacific.

*A.R.B. No. 85:11-16.*

Comparison of Gilberts and Marshalls with discussion of land tenure and tenure of lagoons and marine resources. Maps.

1961. Malaita Island Landscape. *In* Doran (editor) Land Tenure in the Pacific.

*A.R.B. No. 85:25-26.*

Climate, population, agricultural conditions on the high island of Malaita. Contrast with atolls. Maps.

1961. Fiji Islands Landscape. *In* Doran (editor) Land Tenure in the Pacific. *A.R.B. No. 85:33-34.*

Precipitation and population of Fiji. Maps.

**Doran, Edwin (cont)**

1961. Tonga Islands Landscape. *In* Doran (editor) Land Tenure in the Pacific. *A.R.B.* No. 85:43-44.

Temperature and vegetation of Tonga. Maps.

1961. Cook Islands Landscape. *In* Doran (editor) Land Tenure in the Pacific. *A.R.B.* No. 85:51-54.

Description of Cook Islands, precipitation, population distribution, comparative note on the interrelationship between physical landscape, the configuration of land parcels and population density. Maps.

**Doran, Edwin (editor)**

1961. Land Tenure in the Pacific. *A.R.B.* No. 85:1-60.

Papers presented at the 10th Pacific Science Congress Symposium. Attempt to limit study areas to non-Westernized islands with representation from the entire Pacific. 12 papers, 6 localities. Map.

**Doty, Maxwell S.**

1953. Instructions for Collecting Algae. *A.R.B.* No. 17:62.

Types of algae it is most important to collect. How to preserve and ship algae.

1954. Floristic and Ecological Notes on Raroia. *A.R.B.* No. 33:1-41.

Floristic and ecological notes on Myxophyta, Mycophyta, Lichens, Algae, and Spermatophyta of Raroia. Key to vascular plants and descriptions of their habitats. map.

**Doty, Maxwell S. and J. P. E. Morrison**

1954. Interrelationships of the Organisms on Raroia Aside from Man. *A.R.B.* No. 35:1-61.

Comparison of six transect profiles from Raroia to derive data on organisms and ecological zones. Maps, transect diagrams, and aerial photo.

**Drew, Edward A.**

1977. A Photographic Survey Down the Seaward Reef-front of Aldabra Atoll. *A.R.B.* No. 193:1-7.

Description of photographic transect method to study reef- front of Aldabra Atoll. Charts, maps, diagrams, photographs, and bibliography.

**Dunne, R. P. and B. E. Brown**

1979. Some Aspects of the Ecology of Reefs Surrounding Anegada, British Virgin Islands.

*A.R.B.* No. 236:1-80.

Description, history, geology, and reef structure of Anegada. List of algae, coral, and fish inhabiting coral reefs with discussion of reef zonation. Photographs, maps, charts, and 4 bibliographies.

**Dustan, Phillip**

1985. Community Structure of Reef-Building Corals in the Florida Keys: Carysfort Reef, Key Largo and Long Key Reef, Dry Tortugas. *A.R.B.* No. 288:1-17.

Line transects reveal the species composition and zonation patterns of two coral communities off the Florida Keys which have been exposed to different environmental and biological pressures -- especially prevailing ocean currents. Photographs and figures.

**Easton, W. H.**

1981. A Submersible, Rechargeable, Electric Drill. *A.R.B.* No. 255:83-90.

Model for a light weight, cordless, rechargeable, electric hand drill mounted in a submersible plastic case to use for setting survey points or taking core samples. Bibliography.

## Editors [Fosberg, F.R. and M.-H. Sachtel]

1959. Atoll News and Comment. *A.R.B.* No. 70:1-7.

News of recent expeditions and publications.

1961. Atoll News and Comments. *A.R.B.* No. 84:1-14.

Recent and current research on Christmas Island, the Leeward Hawaiian Islands, Midway, Wake, Jaluit, Caroline Islands, Laccadives, Alacran Reef, atolls off British Honduras, and Rongelap (Report on vegetation by Blumberg and Conard). Recent literature.

1962. Atoll News and Comments. *A.R.B.* No. 94:1-19.

Atomic bomb tests on Christmas. Contents of Bulletin of the Christmas I. Natural History Society. Account of shipwreck on Clipperton. Book review of Herold J. Wiens, Atoll Environment and Ecology. Bibliographic and research news.

1963. Atoll News and Comments. *A.R.B.* No. 100:1-16.

News of expeditions to the Society Islands, Melanesian atolls, the Phoenix Islands, Christmas Island, Wake, the Leeward Hawaiian Islands, the Gilbert and Ellice Islands, and the Caroline Islands. Announcements of new books.

1964. Atoll News and Comment. *A.R.B.* No. 108:1-8.

News about the displaced island communities study, the Pacific Ocean Biological Survey Program's research on sea birds, research in the Line Islands, the Caroline Islands, the Maldives, and the Bahamas. New publications reviews.

1965. Atoll News and Comment. *A.R.B.* No. 112:1-14.

News of Sea bird survey (Pacific Ocean Biological Survey Program), research on Enewetak, the Tokelaus, the Maldives, the Bahamas, Jamaica, and the British Honduras cays. New publications reviews.

1967. Atoll News and Comments. *A.R.B.* No. 117:1-8.

Report on the demise of Unesco Humid Tropics Research Program, field work in the Carolines and the Persian Gulf. Recent publications.

1969. Atoll Notes and Comments. *A.R.B.* No. 119:1-6.

News of current research in the Caroline Islands and on Islands in the Indian Ocean, especially Diego Garcia. Short research notes on Heron Island rats by F.I. Norman (with bibliography). Reviews of recent publications.

1969. Atoll News and Comment. *A.R.B.* No. 126:1-19.

News on expeditions to Alabara, Christmas Island (Indian Ocean), Clipperton, British Honduras, Rennell and Bellona, and Bikini. Honors to E.H. Bryan and research reports by Keith Marshall and Andrew Goudie. Recent publications.

1970. Atoll News and Comments. *A.R.B.* No. 135:1-17.

News of conservation programs and symposia, nuclear tests, anthropological research, *Acanthaster* reports, and recent publications.

1971. Island News and Comment. *A.R.B.* No. 148:1-38.

News about research on Aldabra, bomb tests in the Tuamotus, C14 dates from Ifalik, Research on environmental systems of Enewetak, Research on coral reefs off the east coast of New Guinea, and studies of birds of the Comoros.

1972. Island News and Comment. *A.R.B.* No. 162:1-26.

News of current research, conservation progress, symposia, laboratories and publications.

1975. Island News and Comments. *A.R.B.* No. 185:1-39.

News of the Special Working Committee on South Pacific Coral Reefs, News of the Atoll Populations Conference, and book reviews. Short papers by WR. Taylor, C.B. Frith, and I.G. Macintyre.

**Editors [Fosberg, F.R. and M.-H. Sachet] (cont)**

1977. Island News and Comment. *A.R.B.* No. 219:1-30.

News of 3rd international Coral Reef Symposium, Mid-Pacific Marine Lab, and Phoenix Island Expedition. Comment on definition of "Atoll" and shameful events surrounding Line Islands Expedition.

**Ellison, Joanna C.**

1990. Vegetation and Floristics of the Tongatapu Outliers. *A.R.B.* No. 332:1-36.

Identification of species of terrestrial flora, description of vegetation units and geomorphological features from 21 small islands in Tongatapu outliers. Discussion of factors effecting floristic variability. Bibliography, maps, charts, photographs.

**Ely, Charles A. and Roger B. Clapp**

1973. The Natural History of Laysan Island, Northwestern Hawaiian Islands.

*A.R.B.* No. 171:1-361.

General description of Laysan Island with emphasis on terrestrial vertebrates. Reference to endangered Laysan duck (*Anas laysanensis*) and Laysan finch (*Telespyza cantans*). Photographs and bibliography.

**Emery, Kenneth O.**

1953. Beachrock. *A.R.B.* No. 17:19.

Theories concerning the origin of beachrock.

1953. Submarine Geology. *A.R.B.* No. 17:20-21.

Submarine geology research problems that can be addressed with makeshift equipment: steepness of outer slopes, depth of lagoon terrace, mapping coral masses, nature of lagoonal sediments.

**Emory, Kenneth P.**

1953. Investigation of Material Culture. *A.R.B.* No. 17:122.

How to collect artifacts and information on manufacture and preparation on atolls. Review of scarce literature.

**Endean, R. and W. Stablum**

1973. A Study of Some Aspects of the Crown-of-Thorns Starfish (*Acanthaster planci*) Infestations of Reefs of Australia's Great Barrier Reef. *A.R.B.* No. 167:1-62.

Description of distribution of *Acanthaster planci* in coral reefs and documentation of spread and population increase on the Great Barrier Reef. Bibliography.

1973. The Apparent Extent of Recovery of Reefs of Australia's Great Barrier Reef Devastated by the Crown-of-Thorns Starfish. *A.R.B.* No. 168:1-26.

Revisit 4 to 8 years after *Acanthaster planci* plague on Great Barrier Reef to monitor the rate and manner of reef recovery. Charts, photographs, and bibliography.

**Enders, Robert K.**

1951. Rats. *A.R.B.* No. 1:20.

Concern that *R. mindanensis* and *R. norvegicus* get onto coral atolls.

**Engbring, John**

1983. Avifauna of the Southwest Islands of Palau. *A.R.B.* No. 267:1-22.

Description of the SW Islands of Palau. List of 47 species of birds recorded there with comments on their habitats and ecology. Bibliography.

**Falanruw, M. V. C**

1971. Conservation in Micronesia. *In* Island News and Comment. *A.R.B.* No. 148:18-20.

The importance of implementing a conservation policy for Micronesia

**Farrell, Terence M., Christopher F. D'Elia, Lawrence Lubbers and Lawrence Pastor**

1983. Hermatypic Coral Diversity and Reef Zonation at Cayos Arcas, Campeche, Gulf of Mexico. *A.R.B.* No. 270:1-7.

Study of coral reefs in Campeche Bank region reveal greater diversity of scleractinian coral and fewer calcareous algae than expected. Description of reef zonation, bibliography, diagrams, maps, photographs.

**Faure, Gérard**

1977. Annotated Check List of Corals in the Mascarene Archipelago, Indian Ocean.

*A.R.B.* No. 203:1-25.

Annotated check list including 135 species of coral known to come from the Mascarene Archipelago (Reunion, Mauritius, and Rodriguez Islands). Bibliography.

1977. Annotated Check List of Octocorallia in the Mascarene Archipelago, Indian Ocean.

*A.R.B.* No. 204:1-13.

Annotated check list including 112 species of Octocorallia known to come from the Mascarene Archipelago (Reunion, Mauritius, and Rodriguez Islands). Bibliography.

**Feare, Christopher J.**

1979. Ecology of Bird Island, Seychelles. *A.R.B.* No. 226:1-29.

Recent history, climate, geomorphology, vegetation, invertebrate and vertebrate fauna of Bird Island in the Seychelles. Bird lists, maps, photographs, and bibliography.

1979. Ecological Observations on African Banks, Amirantes. *A.R.B.* No. 227:1-7.

Vegetation and fauna of African Banks, Amirantes. Bird list and bibliography.

**Flanigan, John M. and Austin E. Lamberts**

1981. *Acanthaster* as a Recurring Phenomenon in Samoan History. *A.R.B.* No. 255:59-62.

Occurrence of *Acanthaster* in traditional history of Samoa as evidence that outbreaks there are nothing new. Bibliography.

**Flood, P. G.**

1977. Coral Cays of the Capricorn and Bunker Groups, Great Barrier Reef Province, Australia.

*A.R.B.* No. 195:1-7.

Description of the islands in the Capricorn and Bunker groups of the Great Barrier Reef with explanations for morphological changes. Bibliography, maps, and photographs.

**Folk, Robert L. and Augustus S. Cotera**

1971. Carbonate Sand Cays of Alacran Reef, Yucatan, Mexico: Sediments. *A.R.B.* No. 137:1-16.

Analysis of beach sediments from Alacran Reef, Yucatan, Mexico including grain size distribution, composition and roundness of sediments from six of the cays. Map, graphs, photographs, and bibliography.

**Forbes-Watson, A. D.**

1969. Notes on Birds Observed in the Comoros on Behalf of the Smithsonian Institution.

*A.R.B.* No. 128:1-23.

Lists of birds recorded from the Comoros with notes on individual species. Reference to endangered Madagascar Heron (*Ardea humbloti*) and Grand Comoro Drongo (*Dicrurus fuscipennis*). Suggestions for further focussed work.

**Fosberg, F. Raymond**

1951. Ecological Research on Coral Atolls. *A.R.B.* No. 1:6-8.

The significance of Coral Atoll research.

**Fosberg, F. Raymond (cont)**

1951. Flora and Vegetation on Coral Atolls. *A.R.B.* No. 1:13-14.  
The current state of knowledge about vascular plants, bryophytes, soil flora, and marine algae from coral atolls.
1951. Literature on Coral Atolls. *A.R.B.* No. 1:23-25.  
Efforts to produce bibliographies of Coral Atolls. Credit to M-H Sachet, W.M. Davis.
1951. Land Ecology of Coral Atolls. *A.R.B.* No. 2:7-11.  
Outline of history of ecological research on atolls, outstanding characteristics of the atoll habitat, and processes that altered this habitat.
1953. Directions for Studying Vegetation and Flora. *A.R.B.* No. 17:44-56.  
Basic classification of typical atoll plant communities and how to describe an island's vegetation. How to prepare various types of herbarium specimens. Information to accompany collections of economic plants. List of equipment for plant collections.
1953. Vegetation of Central Pacific Atolls, A Brief Summary. *A.R.B.* No. 23:1-25.  
Description of Central Pacific atoll habitat, colonization by plants, succession and vegetational changes due to various causes, principal types and patterns of vegetation, and recommendations for future studies. Bibliography.
1955. Northern Marshall Islands Expedition, 1951-1952. Narrative. *A.R.B.* No. 38:1-37.  
Narrative of two trips to the Northern Marshall Islands. collection documentation, maps, itinerary.
1955. Northern Marshall Islands Expedition, 1951-1952. Land Biota: Vascular Plants. *A.R.B.* No. 39:1-22.  
Documentation of plant collections from Northern Marshall Islands. Marshallese plant names.
1957. Slicks on Ocean Surface Downwind from Coral Reefs. *A.R.B.* No. 53:1-4.  
Description of narrow elongate strips of smooth water suggesting a film of something extending downwind from coral reefs. Noted from Ujae, Wotho, and Bikar. Bibliography.
1957. The Maldivé Islands, Indian Ocean. *A.R.B.* No. 58:1-37.  
Brief report on a trip to Malé Atoll of the Maldives in 1956 with summary of the history of scientific research and a systematic list of plants found there.
1959. Long-term Effects of Radioactive Fallout on Plants?. *A.R.B.* No. 61:1-11.  
Observations of abnormal appearances of plants exposed to radioactive fallout following atmospheric bomb tests in the Marshalls. Chart, bibliography.
1959. Vegetation and Flora of Wake Island. *A.R.B.* No. 67:1-20.  
Description of climate, soils, vegetation, and flora of Wake. Comparison with 1953 observations. Bibliography.
1959. Additional Records of Phanerogams from the Northern Marshall Islands. *A.R.B.* No. 68:1-9.  
List of phanerogams from the Northern Marshalls with unannotated list of cultivated plants from a nursery.
1961. Soils. *In* Blumenstock (editor) A Report on Typhoon Effects Upon Jaluit Atoll. *A.R.B.* No. 75:47-50.  
The erosion of the soils on Jaluit as a result of Typhoon Ophelia.
1961. Flora and Vegetation. *In* Blumenstock (editor) A Report on Typhoon Effects Upon Jaluit Atoll. *A.R.B.* No. 75:51-56.  
Damage to vegetation as a result of typhoon Ophelia and quick recovery.

**Fosberg, F. Raymond (cont)**

1961. Typhoon Effects on Individual Species of Plants. *In* Blumenstock (editor) A Report on Typhoon Effects Upon Jaluit Atoll. *A.R.B.* No. 75:57-68.  
Systematic list of species of plants on Jaluit and their specific responses to typhoon Ophelia.
1961. Table of Plant Species by Islets. *In* Blumenstock (editor) A Report on Typhoon Effects Upon Jaluit Atoll. *A.R.B.* No. 75:95-104.  
Species of plants known from Jaluit by islets as reported since 1946. In table form.
1961. Qualitative Description of the Coral Atoll Ecosystem. *A.R.B.* No. 81:1-11.  
Description of coral atoll ecosystem in terms of energy and material transfer or transformation, with minimal reference to actual organisms. Bibliography.
1961. Description of Heron Island. *A.R.B.* No. 82:1-4.  
General description of Heron Island on the Great Barrier Reef with special reference to vegetation. Map.
1962. A Brief Survey of the Cays of Arrecife Alacran, A Mexican Atoll. *A.R.B.* No. 93:1-25.  
Description of Alacran. Tabular chart of plants observed by botanists on 4 islets showing past vegetation changes. List of flowering plants, terrestrial vertebrates and insects. Comparison of Alacran and Pokak in the Marshalls. Bibliography, charts.
1965. Introduction. *In* Fosberg and Carroll (editors) Terrestrial Sediments and Soils of the Northern Marshall Islands. *A.R.B.* No. 113:1-6.  
General physical description of Northern Marshall atolls, climate, tides, cross-sections.
1965. Geology. *In* Fosberg and Carroll (editors) Terrestrial Sediments and Soils of the Northern Marshall Islands. *A.R.B.* No. 113:7-20.  
Description of reefs, lagoons and islets in Northern Marshalls. Special discussion of reef development, beachrock and marginal ridges. Diagrams and photographs.
1966. Northern Marshall Islands Land Biota: Birds. *A.R.B.* No. 114:1-35.  
Descriptions of Wake and Islands of the Northern Marshalls. Report of birds observed.
1969. Plants of Satawal Island, Caroline Islands. *A.R.B.* No. 132:1-13.  
Vegetation and plant list from Satawal in the Caroline Islands with native plant names.
1970. Observations on the Green Turtle in the Marshall Islands. *In* Atoll News and Comment. *A.R.B.* No. 135:9-12.  
Observations of green turtles from Jemo and Bikar in the Northern Marshalls with notes on egg laying and hatching.
1972. List of Vascular Plants from the reef islands of Rarotonga. *A.R.B.* No. 160:9-14.  
List of plants collected in 1969 by W.R. Philipson from the reef islands of Rarotonga. Bibliography, maps and photographs
1972. Morotiri (Bass Rocks) Austral Islands. *In* Island News and Comment. *A.R.B.* No. 162:9-10.  
Brief description of flora and fauna found on Morotiri in the Austral Islands.
1975. Vascular Plants of Aitutaki. *In* Stoddart and Gibbs (editors) Almost-Atoll of Aitutaki: Reef Studies in the Cook Islands, South Pacific. *A.R.B.* No. 190:73-84.  
List of vascular plants collected from the main island of Aitutaki and also from some of the reef islands. Map and bibliography.

**Fosberg, F. Raymond (cont)**

1983. Natural History of Cousin Island. *In* Sachet, Stoddart, and Fosberg (editors) *Floristics and Ecology of Western Indian Ocean Islands*. *A.R.B.* No. 273:7-38.  
Geology and geography of Cousin Island, fauna, original and existing vegetation, and comments on conservation and maintenance of bird sanctuary. Systematic list of plants. Bibliography and maps.
1985. Classification of Emergent Reef Surfaces. *A.R.B.* No. 292:29-38.  
Proposal of classification scheme for emergent reefs which facilitates analysis and comparison. Classification diagram and short bibliography.
1985. Botanical Visits to Krakatau in 1958 and 1963.. *A.R.B.* No. 292:39-48.  
Observations on three visits between 1951 and 1971 to Anak Krakatau showing recolonization by plants. Plant lists.
1987. Marie-Hélène Sachet: Islands, Atolls and Reefs. *In* Introduction to Marie-Hélène Sachet Commemorative Issue. *A.R.B.* No. 293:1-7.  
Eulogy to Marie-Hélène Sachet. Biography and account of her research activities.
1987. Flora of the Gilbert Islands, Kiribati, Checklist. *A.R.B.* No. 295:1-33.  
Preliminary checklist of vascular plants of the Gilbert Islands.
1988. The Vegetation of Bikini Atoll 1985. *A.R.B.* No. 315:1-28.  
Comparison of vegetation before the nuclear tests with vegetation in 1985 noting the reestablishment of much native forest and scrub vegetation and the luxuriance of some species. Plant lists, maps, and bibliography.
1989. Henderson Island: Dedicated to S. Dillon Ripley. *A.R.B.* No. 321:1-2.  
Background of the 1984 Smithsonian Henderson Island Expedition.
1990. A Review of the Natural History of the Marshall Islands. *A.R.B.* No. 330:1-100.  
Summary of knowledge about natural phenomena in the Marshall Islands. Geography, geologic history, climate, soils, hydrology, vegetation, and descriptions of each atoll and island. Bibliography.

**Fosberg, F. Raymond and A. A. Bullock**

1971. List of Diego Garcia Vascular Plants. *In* Stoddart and Taylor (editors) *Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago*. *A.R.B.* No. 149:143-160.  
Account of the vascular plants from Diego Garcia examined by the Authors with records from the Willis and Gardiner (1931) list.

**Fosberg, F. Raymond and Dorothy Carroll**

1965. Unconsolidated Sediments Considered as Soils. *In* Fosberg and Carroll (editors) *Terrestrial Sediments and Soils of the Northern Marshall Islands*. *A.R.B.* No. 113:43-67.  
General character of atoll soils, soil forming factors, biological factors, composition, soil categories, chemical analyses of profiles. Maps, graphs, photographs.

**Fosberg, F. Raymond and Dorothy Carroll (editors)**

1965. Terrestrial Sediments and Soils of the Northern Marshall Islands. *A.R.B.* No. 113:1-156.  
Investigation of geology, islet formation, sedimentation, and the physical and chemical nature of sediments in the Northern Marshalls. Bibliography, sample information, soil profiles descriptions, synonymy of Marshall Islands place names.

**Fosberg, F. Raymond and Michael Evans**

1969. A Collection of Plants from Fais, Caroline Islands. *A.R.B.* No. 133:1-15.  
Vegetation and plant list from Fais in the Caroline Islands with native plant names.

**Fosberg, F. Raymond, E. W. Groves and D. C. Sigeo**

1966. List of Addu Vascular Plants. *In* Stoddart (editor) Reef Studies at Addu Atoll, Maldivic Islands: Preliminary Results of an Expedition to Addu Atoll in 1964. *A.R.B.* No. 116:75-92.

List of vascular plants from Addu -- mainly Gan and Hitaddu Islets.

**Fosberg, F. Raymond, Gustav Paulay, T. Spencer, and Royce Oliver**

1989. New Collections and Notes on the Plants of Henderson, Pitcairn, Oeno and Ducie Islands. *A.R.B.* No. 329:1-18.

Annotated list of plants found in the Pitcairn Group. Updates earlier list (Fosberg, Sachet and Stoddart 1983) by including plants not previously noted, by making adjustments in nomenclature, and by commenting on variability. Bibliography.

**Fosberg, F. Raymond and S. A. Renvoize**

1970. Plants of Farquhar Atoll. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:27-34.

Plant list of Farquhar Atoll with collections references.

1970. Plants of Cosmoledo Atoll. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:57-66.

List of plants of Cosmoledo Atoll with reference to prior collections.

1970. Plants of Astove. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:101-112.

List of plants from Astove with reference to prior collections.

1970. Plants of Assumption Island. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:147-154.

List of plants of Assumption with reference to prior collections.

1970. Plants of Desroches. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:167-170.

List of plants from Desroches with reference to prior collections.

1970. Plants of Remire (Eagle) Island Amirantes. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:183-186.

List of plants of Remire with reference to prior collections.

1970. Plants of African Banks (Iles Africaines). *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:193-194.

List of plants from African Banks with reference to prior collections.

**Fosberg, F. Raymond and Marie-Hélène Sachet**

1962. Vascular Plants Recorded From Jaluit Atoll. *A.R.B.* No. 92:1-39.

History of botanical work on Jaluit. List of plant collections in herbaria. Bibliography.

1969. Wake Island Vegetation and Flora, 1961-1963. *A.R.B.* No. 123:1-15.

Vegetation and Flora of Wake Island with observations concerning the vegetational recovery 10 years following the typhoon of 1952.

1987. Flora of Maupiti, Society Islands. *A.R.B.* No. 294:1-70.

Description of vegetation of Maupiti showing that there is practically nothing left of its original natural vegetation. Plant list.

**Fosberg, F. Raymond and Marie-Hélène Sachet (editors)**

1953. Handbook for Atoll Research (Second Preliminary Edition). *A.R.B.* No. 17:1-129.  
Collection of 32 papers offering guidelines for research on Atolls covering geography, meteorology, geology, hydrology, soil science, botany, zoology, marine ecology, anthropology, and field work conditions.

**Fosberg, F. Raymond, Marie-Hélène Sachet and David R. Stoddart**

1983. Henderson Island (Southeastern Polynesia): Summary of Current Knowledge. *A.R.B.* No. 272:1-47.

History, vegetation, flora, birds, mammals, reptiles, terrestrial arthropods of Henderson Island. Reference to endangered Henderson Rail (*Porzana atra*) and Henderson lorikeet (*Vini stephensi*). Bibliography, photographs.

1983. List of the Recorded Vascular Flora of Agalega. In Sachet, Stoddart, and Fosberg (editors) Floristics and Ecology of Western Indian Ocean Islands. *A.R.B.* No. 273:109-142.  
Preliminary list of vascular plants noted in literature for Agalega. Bibliography.

**Fosberg, F. Raymond, David R. Stoddart, Marie-Hélène Sachet and David L. Spellman**

1982. Plants of the Belize Cays. *A.R.B.* No. 258:1-77.

Annotated list of vascular plants known from sand and mangrove cays off Belize with classification of cays. Bibliography and indices by plant name and islands cited.

**Fosberg, F. Raymond and R. F. Thorne**

1961. Vascular Plants of Heron Island. *A.R.B.* No. 82:5-14.

List of plants collected by Fosberg and Thorne with reference to previous collections by MacGillivray and Rodway from Heron Island, Great Barrier Reef.

**Fosberg, F. Raymond [with J.W. Wells, M.S. Doty, and Ruth Todd]**

1965. Other Features. In Fosberg and Carroll (editors) Terrestrial Sediments and Soils of the Northern Marshall Islands. *A.R.B.* No. 113:23-30.

Description of soils, drainage, vegetation and principal reef-forming animals and plants (Coral by J.W. Wells, Foraminifera by Ruth Todd, Algae by M.S. Doty) Charts and photographs.

**Francis, M. P.**

1981. Distribution and Abundance of the Crown-of-Thorns Starfish (*Acanthaster planci*) around Tongatapu Island, Tonga. *A.R.B.* No. 255:63-68.

Survey of *Acanthaster planci* around Tongatapu Island. Bibliography.

**Frankel, E.**

1978. Evidence from the Great Barrier Reef of Ancient *Acanthaster* Aggregations. In Smith (editor) Coral Reef Ecosystems: Proceedings of Papers Presented at the 13th Pacific Science Congress, Vancouver. *A.R.B.* No. 220:75-94.

Report on search for early aggregations of *Acanthaster planci* on the Great Barrier Reef. Photographs, tables, and bibliography.

**Frith, C. B.**

1975. Predation upon Hatchlings and Eggs of the Green Turtle, *Chelonia mydas*, on Aldabra Atoll, Indian Ocean. In Island News and Comment. *A.R.B.* No. 185:11-12.

Pattern of predation on turtle eggs and hatchlings observed on Aldabra. Bibliography.

1977. Life History Notes on Some Aldabran Land Birds. *A.R.B.* No. 201:1-15.

Observations on land birds of Aldabra – not including endemic weaverbird – and their ecology, habitats, and breeding behavior. Bibliography.

**Frith, D. W.**

1979. A List of Insects Caught in Light Traps on West Island, Aldabra Atoll, Indian Ocean. *A.R.B.* No. 225:1-12.

List of insects collected from West Island, Aldabra during 1971-1972. Chronology of earlier entomological collections. Bibliography.

**Galzin, René**

1985. Non-selective Fishing Methods of Futuna (Horn Archipelago, West Polynesia).

*A.R.B.* No. 292:1-10.

Description of two fishing methods used by women of Futuna. Suggestion that fishing techniques may endanger fish fauna. Bibliography, map, tables.

1987. Potential Fisheries Yield of a Moorea Fringing Reef (French Polynesia) by the Analysis of Three Dominant Fishes. *A.R.B.* No. 305:1-17.

Presentation of data on the biology, biomass and growth of three species of reef fish: *Ctenochaetus striatus*, *Stegastes nigricans*, and *Sargocentron*. Estimate of the productivity of reef fishery on Moorea. Bibliography, tables, map.

**Gaymer, R.**

1967. Observations on the Birds of Aldabra in 1964 and 1965. *A.R.B.* No. 118:112-125.

Observations of land birds and brief notes on sea and shore birds from Bristol Seychelles Expedition of 1964-1965. Bibliography.

**Gerber, Ray P.**

1981. Species Composition and Abundance of Lagoon Zooplankton at Eniwetak Atoll, Marshall Islands. *A.R.B.* No. 247:1-22.

Study of species composition and abundance of lagoon zooplankton of Enewetak Atoll comparing winter and summer diversity. Map, bibliography, and chart.

**Gerhard, Lee C.**

1977. Submarine Cementation of Grainstone Fabric, St. Croix, U.S. Virgin Islands.

*A.R.B.* No. 196:1-5.

Occurrence and explanations for submarine cemented carbonate sand nodules off St. Croix in the U.S. Virgin Islands. Bibliography, photographs, charts.

1981. Origin and Evolution of the Candlelight Reef Sand Cay System, St. Croix.

*A.R.B.* No. 242:1-11.

Study of origins and evolution of Candlelight Reef and Cay system off St. Croix using two coring methods. Results of analysis of core contents. Bibliography, photographs, and maps.

**Gerlach, Sebastian A.**

1961. The Tropical Coral Reef as a Biotope. *A.R.B.* No. 80:1-6.

Study of microfauna in coral reef ecosystems of the Red Sea and the Maldives. Categorization of macrofauna of coral reefs according to feeding strategy. Bibliography.

**Gibbs, P. E.**

1975. A Survey of the Macrofauna Inhabiting the Lagoon Deposits on Aitutaki, Cook Islands. *In* Stoddart and Gibbs (editors) Almost-Atoll of Aitutaki: Reef Studies in the Cook Islands, South Pacific. *A.R.B.* No. 190:123-132.

Macrofauna inhabiting the littoral and sub-littoral deposits in the Aitutaki lagoon. Bibliography, tables, and maps.

**Gibbs, P. E., H. G. Vevers and David R. Stoddart**

1975. The Marine Fauna of the Cook Islands: A Check-List of the Species Collected During the Cook Bicentenary Expedition in 1969. *In* Stoddart and Gibbs (editors) *Almost-Atoll of Aitutaki: Reef Studies in the Cook Islands, South Pacific*. *A.R.B.* No. 190:133-148.

Check list of marine fauna based on collections taken in 1969. Bibliography.

**Gilbert, William J.**

1983. Some Marine Benthic Algae from Christmas Island, Line Islands. *A.R.B.* No. 265:1-6.

List of algae from Christmas Island from Gilbert's own collections and from those of Maxwell Doty. Bibliography.

**Gillett, Robert**

1988. A Tokelau Fisheries Bibliography. *A.R.B.* No. 319:9-18.

Bibliography of literature pertaining to fisheries in the Tokelau Islands with references to the source libraries.

**Gillham, Mary E.**

1977. Observations on Vegetation of Blue-Faced Booby Colonies on Cosmoledo Atoll, Western Indian Ocean. *A.R.B.* No. 199:1-11.

Observations on the ecology and habitats of sea birds of Cosmoledo Atoll with comments on the vegetative degeneration- regeneration cycle associated with nesting birds. Comparison between Cosmoledo and Aldabra. Bibliography.

1977. Vegetation of Sea and Shore-bird Colonies on Aldabra Atoll. *A.R.B.* No. 200:1-19.

Observations on the ecology and habitats of sea birds of Aldabra Atoll with mention of exotics observed there. Bibliography.

**Gillis, William T.**

1977. Remarks on the Botany and Statistics of the Bahama Islands. *In* *Island News and Comment*. *A.R.B.* No. 219:12-16.

Discussion of vegetation and plant distribution patterns in the Bahamas: suggestion of phytogeographic hypotheses relating to Bahama flora. Tables.

**Gillis, William T., Roger Byrne and Wyman Harrison**

1975. Bibliography of the Natural History of the Bahama Islands. *A.R.B.* No. 191:1-123.

Bibliography of literature about the Bahamas divided by subject area. Includes anthropology and folklore, public health and fiction as well as strict natural history.

**Goldberg, Walter M.**

1983. Cay Sal Bank, Bahamas: A Biologically Impoverished, Physically Controlled Environment. *A.R.B.* No. 271:1-17.

Physical and biological structure of the bank lagoon of Cay Sal Bank. Description of major zones. Plant and invertebrate list, bibliography, photographs, charts, maps.

**Goudie, Andrew**

1969. A Note on Mediterranean Beachrock: Its History. *In* *Atoll News and Comment*. *A.R.B.* No. 126:11-14.

Speculation concerning the age of beachrock at Viransehir in Southern Turkey.

**Gould, Margaret S., M. Garry Hill and David McC. Newbery**

1983. The Goat and the Coccid: Interactions Between two Introduced Herbivores and the Vegetation of Aldabra Atoll. *In* Sachet, Stoddart, and Fosberg (editors) *Floristics and Ecology of Western Indian Ocean Islands*. *A.R.B.* No. 273:247-253.

Study of combined effects of two species introduced onto Aldabra (Western Indian Ocean) who feed on overlapping sets of plants. Goat feeding preferences and *Icerya* feeding preferences. Bibliography.

**Green, Owen**

1989. Foraminiferal Composition of Henderson Island Beach Sand. *A.R.B.* No. 324:7-8.  
List of Superfamilies and Families of Foraminifera represented in beach sands of Henderson Island.

**Grelet, Y., C. Falconetti, B. A. Thomassin, P. Vitiello and A. H. Abu Hilal**

1987. Distribution of the Macro- and Meiobenthic Assemblages in the Littoral Soft-Bottoms of the Gulf of Aqaba (Jordan). *A.R.B.* No. 308:1-14.  
Summary of spatial distribution of macro- and meiobenthic assemblages in sandy bottoms of Gulf of Aqaba. Tables, figures and bibliography.

**Gressitt, J. Linsley**

1952. Description of Kayangel Atoll, Palau Islands. *A.R.B.* No. 14:1-7.  
Brief description of Kayangel Atoll in the Palau group. Vegetation, fauna, fresh water. Maps.
1953. Notes on Ngeruangel and Kayangel Atolls, Palau Islands. *A.R.B.* No. 21:1-5.  
Short description of two atolls in the Palau group with list of plants collected by Gressitt from Kayangel.
1961. Terrestrial Fauna. *In* Blumenstock (editor) A Report on Typhoon Effects Upon Jaluit Atoll. *A.R.B.* No. 75:69-74.  
Impact of typhoon Ophelia on terrestrial animals with observation that losses were low.

**Grosenbaugh, Deborah A.**

1981. Qualitative Assessment of Asteroids, Echinoids and Holothurians in Yap Lagoon. *A.R.B.* No. 255:49-54.  
Survey of echinoderms in Yap Lagoon resulting from concern about *Acanthaster planci*. Bibliography.

**Gross, A. O., J. M. Moulton and C. E. Huntington**

1963. Notes on the Wedge-Tailed Shearwater at Heron Island, Great Barrier Reef, Australia. *A.R.B.* No. 99:1-11.  
Study of the behavior and nesting activities of wedge-tailed shearwater (*Puffinus pacificus chlororhynchus*) including description of songs. Bibliography and photographs.

**Groves, E. W.**

1966. A Brief History of Botanical Observations and Collections Made in the Maldive Islands, Indian Ocean. *In* Stoddart (editor) Reef Studies at Addu Atoll, Maldive Islands: Preliminary Results of an Expedition to Addu Atoll in 1964. *A.R.B.* No. 116:57-60.  
History of botanical observations in the Maldives.

**Grovhoug, J. G. and R. S. Henderson**

1978. Distribution of Inshore Fishes at Canton Atoll. *In* Smith and Henderson (editors) Phoenix Islands Report I: An Environmental Survey of Canton Atoll Lagoon, 1973. *A.R.B.* No. 221:99-158.  
Survey of abundance and diversity of fish in various localities around Canton Atoll. Explanation for the high diversity and number of fish close to the pass into the lagoon. Transects, maps, bibliography.

**Guinther, E. B.**

1978. Observations on Terrestrial Surface and Subsurface Water as Related to Island Morphology at Canton Atoll. *In* Smith and Henderson (editors) Phoenix Islands Report I: An Environmental Survey of Canton Atoll Lagoon, 1973. *A.R.B.* No. 221:171-184.  
Study of water samples on Canton Island revealing patterns of salinity in relation to island physiography and variations in nutrients. Map, bibliography.

**Gwynne, M. D. and D. Wood**

1969. Plants Collected on Islands in the Western Indian Ocean During a Cruise of the M.F.R.V. "Manihine," Sept-Oct 1967. *A.R.B.* No. 134:1-15.

Plant lists and collection numbers from Remire, Daros, Desroches, Coetivy, Farquhar, Cosmoledo, Astove, and Assumption in the Southwestern Indian Ocean. Bibliography.

**Hackett, H. E.**

1977. Marine Algae Known From the Maldive Islands. *A.R.B.* No. 210:1-29.

Description of the reefs of the Maldives and algal habitats. Systematic list of algae collected. Bibliography and diagram.

**Hambler, C., K. Hambler and J. M. Newing**

1985. Some Observations on *Nesillas aldabranus*, the Endangered Brush Warbler of Aldabra Atoll, with Hypotheses on its Distribution. *A.R.B.* No. 290:1-19.

Observations of the endangered Aldabran brush warbler, *Nesillas aldabranus* and its habitat, especially association with *Dracaena reflexa*. Hypotheses to guide future research and recommendations concerning conservation. Maps, bibliography, tables.

**Harry, Robert R.**

1953. Ichthyological Field Data of Raroia Atoll, Tuamotu Archipelago. *A.R.B.* No. 18:1-190.

Ichthyological study of Raroia. Description of ecological zones, checklist of fishes previously recorded from Tuamotus, systematic account of fish observed, gazeteer of Tuamotus, ethnoichthyology, bibliography, maps, diagrams.

**Hass, Hans**

1962. Central Subsidence. A New Theory of Atoll Formation. *A.R.B.* No. 91:1-4.

Results of research on atoll formation in the Maldives and Nicobars. Summary of theoretical issues and presentation of theory of central subsidence due to instability of inner structure of branching corals. Photographs, maps, diagrams.

**Hatheway, William H.**

1953. The Land Vegetation of Arno Atoll, Marshall Islands. *A.R.B.* No. 16:1-68.

Description of vegetation of Arno with emphasis on economic plants, vegetation change, and history. Bibliography and many maps.

1955. The Natural Vegetation of Canton Island, An Equatorial Pacific Atoll. *A.R.B.* No. 43:1-9.

Description of physical environment, and vegetation zones of Canton. Bibliography and map of plant habitats.

1957. Agricultural Notes on the Southern Marshall Islands, 1952. *A.R.B.* No. 55:1-9.

Discussion of several blights infecting coconut and breadfruit plantations, and general remarks on agriculture of the Southern Marshalls.

**Heatwole, Harold**

1975. Biogeography of Reptiles on some of the Islands and Cays of Eastern Papua -- New Guinea. *A.R.B.* No. 180:1-32.

General description of islands east of Papua New Guinea. Lists of terrestrial and aquatic reptiles. Ecology of herpetofauna with suggestions of relationships among island area, island form and species numbers. Bibliography, maps, charts and photographs.

**Heatwole, Harold, Richard Levins and Michael D. Byer**

1981. Biogeography of the Puerto Rican Bank. *A.R.B.* No. 251:1-55.

Survey of 141 of the islands in the Puerto Rican Bank. Description of climate, vegetation, geology, and island forms. Comments on environmental degradation. Bibliography, maps, dbn of spider and scorpion species, flora and herpetofauna lists.

**Henderson, R. S., P. L. Jokiel, S. V. Smith and J. G. Grovhoug**

1978. Canton Atoll Lagoon Physiography and General Oceanographic Observations. *In* Smith and Henderson (editors) Phoenix Islands Report I: An Environmental Survey of Canton Atoll Lagoon, 1973. *A.R.B.* No. 221:5-14.

Study of four major physiographic zones of Canton Atoll's lagoon. Discussion of wind drift and tidal flow. Bibliography, map, aerial photograph.

**Herbst, Derral**

1977. Vegetation. *In* Clapp and Kridler (authors) The Natural History of Necker Island, Northwestern Hawaiian Islands. *A.R.B.* No. 206:25-31.

Vegetation and list of plants found on Necker.

1977. Vegetation. *In* Clapp and Kridler (authors) The Natural History of Nihoa Island, Northwestern Hawaiian Islands. *A.R.B.* No. 207:26-38.

Vegetation and list of plants found on Nihoa.

**Hiatt, Robert W.**

1951. Marine Ecology. *A.R.B.* No. 2:5-6.

Marine ecology studies directed toward improving native welfare, encouraging conservation, increasing commercial exploitation of marine resources, and understanding biological problems.

1951. Marine Zoology Study of Arno Atoll, Marshall Islands. *A.R.B.* No. 4:1-13.

Summary of marine resource utilization on Arno.

1953. Methods of Collecting Marine Invertebrates on Coral Atolls. *A.R.B.* No. 17:78-89.

How to collect, document, preserve, and transport marine invertebrates.

1953. Instructions for Marine Ecological Work on Coral Atolls. *A.R.B.* No. 17:100-108.

Instructions for studying marine ecology with minimal resources. Check-list of essential equipment. How to choose, survey and describe (physically and biologically) a reef. Bibliography for faunal identification.

**Hinckley, Alden D.**

1969. The Ecology of Terrestrial Arthropods on the Tokelau Atolls. *A.R.B.* No. 124:1-18.

Analysis of arthropod communities in the Tokelaus with comments on establishment, extinction and displacement of certain insects like rhinoceros beetles, lygaeid bugs and sphinx moths. List of arthropods from Atafu, Nukunono, and Fakaofu. Bibliography.

**Hnatiuk, R. J. and L. F. H. Merton**

1979. Vegetation of Aldabra, a Reassessment. *A.R.B.* No. 239:1-21.

History of vegetation studies of Aldabra with comparison of alternative classificatory systems of vegetation zones. Presentation of comprehensive classification and synthesis of Aldabra vegetation. Bibliography.

**Hogue, Charles L. and Scott E. Miller**

1981. Entomofauna of Cocos Island, Costa Rica. *A.R.B.* No. 250:1-29.

General description of Cocos Island, Costa Rica. History of scientific expeditions and systematic list of insects identified during 1978 trip. Bibliography.

**Holthuis, L. B.**

1953. Enumeration of the Decapod and Stomatopod Crustacea from Pacific Coral Islands. *A.R.B.* No. 24:1-66.

Systematic list of decapod and stomatopod crustacea from the Pacific with collection and habitat information. Appendix contains collection data for specimens taken by R.W. Hiatt from Arno. Maps of Arno.

**Hong, Goh Ah and A. Sasekumar**

1981. The Community Structure of the Fringing Coral Reef, Cape Rachado, Malaya. *A.R.B.* No. 244:1-11.

Observations of coral and microalgae species diversity and abundance on the coral reef at Cape Rachado, Malaya with explanations of differences. Bibliography, graphs and diagrams.

**Hounscome, M. V.**

1980. Terrestrial Fauna (Excluding Birds and insects) of Little Cayman. *In* Stoddart and Giglioli (editors) *Geography and Ecology of Little Cayman*. *A.R.B.* No. 241:81-90.

List of terrestrial fauna (excluding birds and insects) from Little Cayman with reference to various habitat types and to habitats deserving special conservation consideration. Bibliography.

**Hounscome, M. V. and R. R. Askew**

1980. *Cerion nanus* (Maynard) (Mollusca: Cerionidae) on Little Cayman. *In* Stoddart and Giglioli (editors) *Geography and Ecology of Little Cayman*. *A.R.B.* No. 241:91-96.

Zoogeographic value of studies of *Cerion*. Distribution of *Cerion nanus*. Relationship between *C. pannosum* and *C. nanus*. Bibliography and photographs.

**Hutson, A. M.**

1975. Observations on the Birds of Diego Garcia, Chagos Archipelago with notes on other vertebrates. *A.R.B.* No. 175:1-25.

Systematic list of birds of Diego Garcia (Western Indian Ocean), with brief mention of reptiles and mammals. Map and bibliography.

1981. A Preliminary List of Insects of Diego Garcia Atoll, Chagos Archipelago. *A.R.B.* No. 243:1-29.

List of insects collected on Diego Garcia (Western Indian Ocean) in 1971 with reference to earlier collections and records. Bibliography.

**Ineich, Ivan and Charles P. Blanc**

1988. Distribution des Reptiles Terrestres en Polynésie Orientale. *A.R.B.* No. 318:1-75.

An account of terrestrial reptiles occurring in Eastern Polynesia including a description of their biogeographic characteristics, species distributions, and the present state of knowledge. In French. Species lists, tables, bibliography, and gazetteer.

**Ing, Bruce and R. J. Hnatiuk**

1981. Myxomycetes of Aldabra Atoll. *A.R.B.* No. 249:1-10.

List of myxomycetes from Aldabra with ecological notes. Map and bibliography.

**Irwin, J.**

1985. The Underwater Morphology of Palmerston and Suvarrow Atolls. *A.R.B.* No. 292:109-113.

Results of echo sounding surveys conducted in Palmerston and Suvarrow lagoons. Maps, graphs, bibliography.

**Johnson, Clifford Ray**

1972. Notes on the Herpetofauna of Kume-Jima and O-Jima, Ryukyu Islands Island News and Comment. *A.R.B.* No. 162:7-9.

List of herpetofauna from the Ryukyus. Bibliography.

**Johnson, J. Harlan**

1953. Suggestions for Collecting Modern and Fossil Calcareous Algae. *A.R.B.* No. 17:63-64.

How to collect modern and fossil algae and related field data.

**Jokiel, P. L. and J. E. Maragos**

1978. Reef Corals of Canton Atoll; II. Local Distribution. *In* Smith and Henderson (editors) *Phoenix Islands Report I: An Environmental Survey of Canton Atoll Lagoon 1973*.

*A.R.B.* No. 221:71-98.

Study of distribution and abundance of species of reef corals at Canton with reference to ecological conditions. Maps, charts, bibliography.

**Jordan, Eric and Eduardo Martin**

1987. Chinchorro: Morphology and Composition of a Caribbean Atoll. *A.R.B.* No. 310:1-20.

Description of morphology of Chinchorro and its leeward and windward reefs with an account of Scleractinian and Gorgonian corals, algae and sponges. Photographs, charts, maps and bibliography.

**Kay, E. Alison**

1978. Molluscan Distribution Patterns at Canton Atoll. *In* Smith and Henderson (editors) *Phoenix Islands Report I: An Environmental Survey of Canton Atoll Lagoon, 1973*.

*A.R.B.* No. 221:159-170.

Description of assemblages of micromollusks and gastropods from three parts of Canton Atoll lagoon. Suggestion that water chemistry accounts for differences in distribution.

**Keplin, P. A. and P. A. Pirazzoli**

1988. A Geomorphological Reconnaissance of Coetivy Atoll (Seychelles, Indian Ocean).

*A.R.B.* No. 319:1-8.

A preliminary geomorphological description of Coetivy Atoll with a discussion of its history and the continuity of sea levels. Photographs, maps, figures, and bibliography

**Kinzie, R. A.**

1978. An Evaluation of Coral Reef Survey Methods by Computer Simulation. *In* Smith (editor) *Coral Reef Ecosystems: Proceedings of Papers Presented at the 13th Pacific Science Congress, Vancouver*. *A.R.B.* No. 220:21-24.

Use of computer program to simulate coral distribution on a reef and test of several sampling strategies to determine the relative costs in time and effort vs the relative benefits in accuracy. Bibliography.

**Kochi, John**

1971. Objectives and Importance of Conservation. *In* *Island News and Comment*.

*A.R.B.* No. 148:21-22.

Guidelines to promote conservation in Palau.

**Kohn, Alan J**

1964. Notes on Indian Ocean Atolls Visited by the Yale Seychelles Expedition.

*A.R.B.* No. 101:1-12.

Observations and notes on collections made from reefs of islands in the Maldives. Bibliography, charts, photographs.

1964. Notes on Reef Habitats and Gastropod Molluscs of a Lagoon Island at North Malé Atoll, Maldives. *A.R.B.* No. 102:1-5.

Theories on the formation of lagoon islands, such as Funidu, of Malé Atoll, Maldives. Description of Funidu. Notes on gastropod mollusks found there. Map and bibliography.

1971. Inshore Marine Habitats of Some Continental Islands in the Eastern Indian Ocean.

*A.R.B.* No. 140:1-29.

Description of features of habitats at 15 stations on islands off Thailand and Sumatra. Special attention to geomorphology, zonation, and reef plants and invertebrates. Maps, charts, photographs, and bibliography.

**Kondo, Yoshio**

1961. Gastropod Molluscs Collected by J.L. Gressitt. *In* Blumenstock (editor) A Report on Typhoon Effects Upon Jaluit Atoll. *A.R.B.* No. 75:105.

List of land and marine species of gastropod mollusks collected by Gressitt.

**Kurashina, Hiro, D. Ballendorf, K. Carriveau, M. Driver, B. Karolle, T. McGrath and A. Williams**

1987. Recent Activities of the Micronesian Research Center (MARC). *In* Introduction to Marie-Hélène Sachet Commemorative Issue. *A.R.B.* No. 293:11-14.

Brief description of the range of research, collections management and educational activities undertaken at M.A.R.C.

**Lamberts, Austin E.**

1983. An Annotated Check List of the Corals of American Samoa. *A.R.B.* No. 264:1-19.

List of scleractinian and non-scleractinian corals collected from American Samoa and now in the Smithsonian and the Hessisches Landesmuseum, W. Germany. Lists include frequency of occurrence and habitat. Bibliography.

**Lamoureux, Charles H.**

1961. Botanical Observations on Leeward Hawaiian Atolls. *A.R.B.* No. 79:1-10.

Systematic plant list from Green Island and Tern Island, French Frigate Shoal and Kure Atoll following construction of two Loran Coast Guard stations and exotic plant introductions. Aerial photo of Green Island.

1963. The Flora and Vegetation of Laysan Island. *A.R.B.* No. 97:1-14.

Vegetation and list of plants noted from Laysan emphasizing changes over time. Bibliography and photographs.

**Lathrop, C. J.**

1953. Hints on Tropical Photography. *A.R.B.* No. 17:123-124.

How to beat the impediments to taking good black and white pictures in tropical humid conditions.

**Lavoie, Ronald L.**

1963. Some Aspects of the Meteorology of the Tropical Pacific viewed from an Atoll. *A.R.B.* No. 96:1-80.

Detailed climatological study of Enewetak. Maps, charts, graphs, bibliography.

**Leopold, Luna B.**

1951. Pacific Meteorological Problems. *A.R.B.* No. 1:11.

Suggestions for meteorological data that need to be collected.

1953. Notes on the Collection of Meteorological Information on Tropical Islands. *A.R.B.* No. 17:10-13.

How to collect data on rainfall, wind velocity and direction, and water temperature on coral atolls.

**Lewis, John B.**

1975. A Preliminary Description of the Coral Reefs of the Tobago Cays, Grenadines, West Indies. *A.R.B.* No. 178:1-9.

Description of coral reefs of the Tobago Cays and their biotic communities. Bibliography, maps and diagrams.

**Lionnet, J. F. G.**

1970. Note on the Lepidoptera of Astove Atoll. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:113-114.

List of butterflies from Astove with reference to prior collections. Bibliography.

**Lionnet, J. F. G. (cont)**

1970. Names of the Islands. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:221-224.

Origins of island names in Western Indian Ocean. Bibliography.

**Littler, M. M., P. R. Taylor, D. S. Littler, R. H. Sims and J. N. Norris**

1985. The Distribution, Abundance and Primary Productivity of Submerged Macrophytes in a Belize Barrier-Reef Mangrove System. *A.R.B.* No. 289:1-16.

Comparison of macrophyte assemblages in turbulent and sheltered mangrove systems. Bibliography and tables

1987. Dominant Macrophyte Standing Stocks, Productivity and Community Structure on a Belizean Barrier Reef. *A.R.B.* No. 302:1-18.

Description of the macrophyte zonal patterns and primary productivity of dominant plant life for the seaward margin of Carrie Bow Cay. Bibliography, maps, photographs, figures, and tables

**Macintyre, Ian G.**

1975. A Diver-operated Hydraulic Drill for Coring Submerged Substrates. *In* Island News and Comment. *A.R.B.* No. 185:21-24.

Design and specifications for a new portable, submersible drill useful for sampling underwater substrates. Bibliography and photographs.

**Macintyre, Ian G. and Walter H. Adey**

1990. Buck Island Bar, St. Croix, USVI: A Reef that Cannot Catch up with Sea Level.

*A.R.B.* No. 336:1-7.

Discussion of coral growth rates on Buck Island Bar near St. Croix as a function of frequency of storms. Maps, photograph, bibliography.

**Macintyre, Ian G., Bill Raymond and Robert Stuckenrath**

1983. Recent History of a Fringing Reef, Bahia Salina del Sur, Vieques Island, Puerto Rico.

*A.R.B.* No. 268:1-6.

Study of cores from a reef on Bahia Salina del Sur which show that framework communities of many sea-level reefs are migrating leeward. Radiocarbon dates, charts, aerial photos, diagrams, photographs.

**Mackenzie, J. B.**

1961. Marine Resources. *In* Blumenstock (editor) A Report on Typhoon Effects Upon Jaluit Atoll. *A.R.B.* No. 75:79-80.

Effect of typhoon Ophelia on fisheries and potential for toxicity of lagoon species.

**MacMillan, H. G.**

1951. Economic Development of Coral Atolls. *A.R.B.* No. 2:2.

Progress and future plans of the South Pacific Commission on Tarawa. Work of René and Mme Catala.

**Maina, Shirley L., Leslie Pray and Robert A. DeFilippis**

1988. A Historical Note on the Endangered *Santalum boninensis* (Santalaceae) of the Ogasawara Islands: Early Reports by Takasi Tuyama. *A.R.B.* No. 319:19-24.

Edited translation of Takasi Tuyama's report on *Santalum boninensis* and the needs for its conservation. Bibliography

**Maragos, J. E. and P. L. Jokiel**

1978. Reef Corals of Canton Atoll: I. Zoogeography. *In* Smith and Henderson (editors) Phoenix Islands Report I: An Environmental Survey of Canton Atoll 1973.. *A.R.B.* No. 221:55-70.

Description of coral found on Canton Atoll. Distribution and abundance of coral species and comparison with similar distributions from the Indian Ocean. Bibliography.

**Marsh, James A. and Roy T. Tsuda**

1973. Population Levels of *Acanthaster planci* in the Mariana and Caroline Islands, 1969-1972.

*A.R.B.* No. 170:1-16

Survey of *Acanthaster planci* in Mariana Islands, Palau, Yap, Central Caroline Islands, Pohnpei, and outer islands. Results of *A. planci* symposium 1970. Bibliography and charts.

**Marshall, J. T.**

1951. Vertebrate Ecology of Arno Atoll, Marshall Islands. *A.R.B.* No. 3:1-38.

Summary of terrestrial vertebrate fauna on Arno. Remarks about human parasites and termites. Thoughts on carrying capacity concept. Distribution maps.

1953. Suggestions as to Collecting Land Vertebrates on Coral Atolls. *A.R.B.* No. 17:65-68.

How to document, catalog, label, and preserve land vertebrates with advice on valuable related observations and collections.

1957. Atolls Visited During the First Year of the Pacific Islands Rat Ecology Project.

*A.R.B.* No. 56:1-11.

Survey of rats on atolls close to Pohnpei with remarks about other aspects of the fauna and flora. Tables.

**Marshall, Keith**

1969. A New Method for Sewage Treatment on Coral Atolls. *In Atoll News and Comment.*

*A.R.B.* No. 126:10-11.

A method for sewage disposal and treatment on coral atolls requiring minimal equipment, adaptable to animal wastes, and providing fertilizer and methane gas.

**Marshall, Mac**

1975. The Natural History of Namoluk Atoll, Eastern Caroline Islands. *A.R.B.* No. 189:1-54.

Physical description of Namoluk with description of flora and fauna of island. Special mention of *Acanthaster planci*. Native plant and bird names. Bird, mollusk and plant lists. Photographs and bibliography.

**Mason, Leonard**

1951. Man in the Culture-Environment Relationship. *A.R.B.* No. 2:12-13.

Practical and theoretical utility of research on human adaptations to coral atolls, and proposed future research.

1952. Anthropology-Geology Study of Arno Atoll, Marshall Islands. *A.R.B.* No. 10:1-21.

Description of the natural resources and demographic situation of Arno with comments on acculturation, war effects, commerce, political authority, and land. Map and proposed orthography (by Elbert) appended.

1953. Suggestions for Investigating the Cultures of Atoll Peoples. *A.R.B.* No. 17:111-115.

Basic cultural and demographic features to describe in atoll communities with a sample census card from Arno.

**Mason, Leonard and Harry Uyehara**

1953. A Quantitative Study of Certain Aspects of the Man-Land Relationship in Marshallese Economy. at Arno Island. *A.R.B.* No. 17:116-121.

Description of Uyehara's economic anthropology research on Arno with recommendations that additional research pertaining to demographics and the economics of production and consumption be done. Sample survey questionnaire from Arno.

**Mason, R. R.**

1960. Some Aspects of Agriculture on Tarawa Atoll, Gilbert Islands. *A.R.B.* No. 73:1-17.

Description of soils, hydrology, animal husbandry, agriculture and agricultural technology on Tarawa. Suggestions for development of native agriculture. Map.

**Mathis, Wayne N.**

1989. Diptera (Insecta) or True Flies of the Pitcairn Group (Ducie, Henderson, Oeno, and Pitcairn Islands). *A.R.B.* No. 327:1-15.

Annotated checklist of Diptera of Pitcairn Group with speculation about origins of this fauna. Bibliography.

**McKee, Edwin D.**

1956. Geology of Kapingamarangi Atoll, Caroline Islands. *A.R.B.* No. 50:1-38.

Description of the geology, petrology, soils, phosphorite deposits, and ground water of Kapingamarangi. Maps, charts, tables, and bibliography.

1961. Island Structures and Their Modification. *In* Blumenstock (editor) A Report on Typhoon Effects Upon Jaluit Atoll. *A.R.B.* No. 75:37-40.

Description of Typhoon Ophelia's effect on island structures. Charts and diagrams.

1961. Removal of Fine Sediments from Islets. *In* Blumenstock (editor) A Report on Typhoon Effects Upon Jaluit Atoll. *A.R.B.* No. 75:41-42.

Typhoon Ophelia's destruction of sediments.

1961. Ground Water. *In* Blumenstock (editor) A Report on Typhoon Effects Upon Jaluit Atoll. *A.R.B.* No. 75:43-46.

Typhoon Ophelia's effect on ground water quality with analyses of water from various wells.

**Mergner, Hans**

1985. Initial Recolonization of Funafuti Atoll Coral Reefs Devastated by Hurricane "Bebe". *A.R.B.* No. 284:1-19.

Recolonization and succession of corals in reefs destroyed 8 months earlier by a hurricane. Comments on the decisive role of branched coral in reef succession. Maps, tables, diagrams, photographs, bibliography.

**Meylan, Anne Barkau**

1983. Marine Turtles of the Leeward Islands, Lesser Antilles. *A.R.B.* No. 278:1-24.

Island by island survey of marine turtles of the Leeward Islands in the Caribbean including Anguilla, St. Martin, Saba, St. Eustatius, St. Kitts, Nevis, Barbuda, Antigua, Montserrat, and Guadeloupe. Map, photographs, and bibliography.

**Milhurn, John D.**

1959. Health and Sanitation Survey of Arno Atoll. *A.R.B.* No. 62:1-7.

Survey of health conditions on Arno with test results for certain diseases and parasites.

**Miller, Harvey Alfred**

1955. Bryophytes Collected by F. R. Fosberg in the Marshall Islands. *A.R.B.* No. 40:1-5.

Analysis of Collection by Fosberg of mosses and liverworts from N. Marshalls. Collections documentation, bibliography, map.

**Miller, Harvey Alfred and Maxwell S. Doty**

1953. Bryophytes from Arno Atoll, Marshall Islands. *A.R.B.* No. 25:1-11.

Key to bryophytes found on Arno for the sake of future non-bryologists. Illustrations and explanations. Bibliography.

1954. Ecological and Floristic Notes on the Bryophyta of Raroia. *A.R.B.* No. 33:55-56.

Notes on collections of moss and liverworts from Raroia.

**Miller, Ralph E.**

1953. Health Report on Kapingamarangi. *A.R.B.* No. 20:1-42.

Three parts: I. A health survey describing aspects of Kapingamarangi that influence health, disease incidence, demographic profile, epidemiological history, ethnomedicine. II: Parasitologic survey with data for individuals. III: Blood groups represented.

**Milliman, John D.**

1965. An Annotated Bibliography of Recent Papers on Coral and Coral Reefs.

*A.R.B.* No. 111:1-58.

Annotated bibliography of literature on coral and coral reefs. Divided into 1) Geological features, 2) Ecology, 3) Coral, and 4) other bibliographies.

1969. Four Southwestern Caribbean Atolls: Courtown Cays, Albuquerque Cays, Roncador Bank, and Serrana Bank. *A.R.B.* No. 129:1-26.

General description of four atolls in southwestern Caribbean. Bibliograph, maps, and appendix.

**Milliman, John D. and Conrad V. W. Mahnken**

1969. Reef Productivity Measurements. *A.R.B.* No. 129:23-25.

Levels of Oxygen uptake on reef flats and levels of plankton productivity.

**Minton, Sherman A. and William W. Dunson**

1985. Sea Snakes Collected at Chesterfield Reefs, Coral Sea. *A.R.B.* No. 292:101-108.

Notation of six species of sea snakes on Chesterfield Reefs, and comments on general distribution of these snakes. Maps, species list, bibliography.

**Montaggioni, L. F., C. Gabrie, O. Naim, C. Payri, G. Richard and B. Salvat**

1987. The Seaward Margin of Makatea, an Uplifted Carbonate Island (Tuamotus, Central Pacific). *A.R.B.* No. 299:1-18.

Description of reef ecology with observation that algal, coral and macrofaunal communities are relatively sparse on Makatean reef flats. Bibliography, maps, figures.

**Monteforte, Mario**

1987. The Decapod Reptantia and Stomatopod Crustaceans of a Typical High Island Coral Reef Complex in French Polynesia (Tiahura, Moorea Island): Zonation, Community Composition and Trophic Structure. *A.R.B.* No. 309:1-37.

Sorting of crustacean species into five morphologic groups based on nutritional mode with comments on associated trophic and habitat partitioning and suggestions of interspecific relations. Illustrations, charts and bibliography.

**Morgan, H. J.**

1975. Checklist of The Morgan Collection of Mollusc Shells From the Cook Islands. *In* Stoddart and Gibbs (editors) Almost-Atoll of Aitutaki: Reef Studies in the Cook Islands, South Pacific.

*A.R.B.* No. 190:149-158.

Unauthored check list of the collection of mollusk shells made by Judge H.J. Morgan from the Cook Islands.

**Morrison, Joseph P. E.**

1951. Atoll Research in Zoology, Land and Marine. *A.R.B.* No. 1:16-17.

The current state of knowledge about land and marine fauna on coral atolls and plea to concentrate on global systematics of fauna.

1953. The Berlese Method of Collecting Small Insects and Other Animals from Leafmold, Soil, Moss, or Other Similar Materials. *A.R.B.* No. 17:73.

Description of berlese method of collecting small insects.

**Morrison, Joseph P. E. (cont)**

1953. Collecting Mollusks On and Around Atolls. *A.R.B.* No. 17:74-77.  
How to collect and preserve mollusks. Diagrams of equipment needed.

1954. Animal Ecology of Raroia Atoll, Tuamotus. *A.R.B.* No. 34:1-26.  
Part I: notes on mollusks and other animals, Part II: notes on Birds of Raroia with Raroian names.

**Morrison, R. J.**

1990. Pacific Atoll Soils: Chemistry, Mineralogy and Classification. *A.R.B.* No. 339:1-25.  
General description of atolls and soils. Analysis and classification of soils from select Pacific atolls. Comments about the differences between low and raised islands and the utility of the new soil taxonomy. Bibliography and tables.

**Moul, Edwin T.**

1954. Preliminary Report on Land Animals at Onotoa Atoll, Gilbert Islands. *A.R.B.* No. 28:1-28.  
Description of land vertebrates (mammals, birds, and reptiles) and land invertebrates from Onotoa Atoll in the Gilberts. Discussion of ecology.

1957. Preliminary Report on the Flora of Onotoa Atoll, Gilbert Islands. *A.R.B.* No. 57:1-48.  
Vegetation and flora of Onotoa Atoll, Gilberts. Gilbertese plant names.

1964. New Records of *Halimeda* and *Udotea* for the Pacific Area. *A.R.B.* No. 106:1-10.  
Observations of green algae (*Halimeda* and *Udotea*) from Arno, the Northern Marshalls, Raroia, the Philippines, Johnston Island, the Hawaiian Islands, Kapingamarangi, Guam, Saipan, and Okinawa. Bibliography.

**Moulton, James M.**

1961. Some Observations on the Heron Island Fauna. *A.R.B.* No. 82:15-16.  
Observations of whales, birds, rats, a gastropod (*Cerithium moniferum*), and turtles on Heron Island, Great Barrier Reef.

**Murai, Mary**

1954. Nutrition Study in Micronesia. *A.R.B.* No. 27:1-239.  
Nutrition studies of Majuro, Marshall Islands and Udot, Truk with comparative notes. Lists of foods, food habits and dietary patterns, survey results with emphasis on children, analysis of diet, and recommendations. Tables, Bibliography, local food names.

**Murphy, Robert Cushman and Ernst Mayr**

1951. Birds. *A.R.B.* No. 1:19-20.  
What can be learned about birds from coral atoll research – sea birds (Murphy) and land birds (Mayr).

**Nason, James D.**

1975. Reconnaissance and Plat Mapping of Coral Atolls: A Simplified Rangefinder Method. *In* Island News and Comment. *A.R.B.* No. 185:13-20.  
Response to Domm (ARB 148:15-17) about simplified mapping using rangefinder techniques. Bibliography.

**Neas, Maynard**

1961. Land Ownership Patterns in the Marshall Islands. *In* Doran (editor) Land Tenure in the Pacific. *A.R.B.* No. 85:17-24.  
Social, political and economic aspects of land tenure in the Marshalls. Land use patterns and rights and obligations of Marshallese. Difficulties of administration in present "chaotic" condition.

**Neff, Johnson A. and Philip A. DuMont**

1955. A Partial List of the Plants of the Midway Islands. *A.R.B.* No. 45:1-11.  
List of plants found on Midway (Leeward islands of the Hawaiian chain) with habitats. Bibliography.

**Newbery, D. McC. and M. G. Hill**

1981. Numerical Classification of 'Mixed Scrub' Vegetation on Aldabra Atoll. *A.R.B.* No. 246:1-9.  
Sampling of mixed scrub vegetation of Aldabra (Western Indian Ocean) to assess the infestation of the coccid, *Iderya seychellarum*. Bibliography and charts.

1985. Changes in the Distribution of the Coccid *Iderya seychellarum* (Westw.) on Aldabra Atoll in Relation to Vegetation Density. *A.R.B.* No. 291:1-11.  
Documentation of increase in spatial distribution of coccids and degree of infestation of host trees on Aldabra (Western Indian Ocean). Map, tables, bibliography

**Newbery, D. McC. and R. A. Spicer**

1979. The Terrestrial Vegetation of an Indian Ocean Coral Island: Wilingili, Addu Atoll, Maldiv Islands: A Limited Quantitative Analysis of the Vegetation Distribution. *A.R.B.* No. 231:15-25.  
Study of the association between vegetation and environmental variables. Bibliography, maps and charts.

**Newell, Norman D.**

1954. Expedition to Raroia, Tuamotus. *A.R.B.* No. 31:1-22.  
Background information on the Raroia expedition. General comments on the Tuamotus, and specific physical characteristics of Raroia. Maps, 2 bibliographies, diagrams.

1954. *A.R.B.* No. 36:1-35

**Reefs and Sedimentary Processes of Raroia**

Study of reef biota and sedimentation at Raroia with an appendix by J. Sperrazza on the distribution of foraminifera. Maps, charts, bibliography.

**Newhouse, Jan**

1954. Ecological and Floristic Notes on the Myxophyta of Raroia. *A.R.B.* No. 33:42-54.  
Notes on collection of Blue-Green Algae collected from Raroia. Speculations on the role of blue-green algae in ecological systems.

1969. The Algae of Kapingamarangi Atoll, Caroline Islands. Part I. Checklist of the Cyanophyta, Chlorophyta, and Phaeophyta. *A.R.B.* No. 121:1-7.  
Checklist of Cyanophyta, Chlorophyta, and Phaeophyta Algae from Kapingamarangi with notes on the ecological role of algae in coral reefs. Bibliography.

**Ngan, Yinam and Ian R. Price**

1979. The Intertidal Algae of the Mainland Coast in the Vicinity of Townsville, Queensland. *A.R.B.* No. 237:1-29.  
Systematic list of algae recorded from eight stations near Townsville, Australia. Bibliography.

**Niering, William A.**

1956. Bioecology of Kapingamarangi Atoll, Caroline Islands: Terrestrial Aspects. *A.R.B.* No. 49:1-32.

Description of land biota of Kapingamarangi with reference to human utilization of plants and animals. Past vegetation and present trends. Maps, species lists, diagrams, and bibliography.

1961. Observations on Puluwat and Gaferut, Caroline Islands. *A.R.B.* No. 76:1-10.

Flora, geology, soils, vegetation and fauna of Puluwat, with speculation about the origin of the phosphate deposits on Gaferut. Bibliography and aerial photo.

**Norman, F. I.**

1967. The Identity of the Rats on Heron Island, Capricorn Group, Queensland, Australia Atoll News and Comment. *A.R.B.* No. 119:3-4.

Reevaluation of rats found on Heron Island. Determination of identity as *Rattus rattus*. Bibliography.

1975. The Murine Rodents *Rattus rattus exulans*, and *norvegicus* as Avian Predators. *A.R.B.* No. 182:1-13.

Concern that rats introduced by humans have been preying on birds on Pacific Islands with reference to bird-eating behavior of rats elsewhere. Bibliography.

**Northrop, John**

1962. Geophysical Observations on Christmas Island. *A.R.B.* No. 89:1-2.

Studies of magnetism and gravity, lagoon water, and other geophysical features of Christmas.

**Odum, Eugene P. and Howard T. Odum**

1957. Zonation of Corals on Japtan Reef, Eniwetok Atoll. *A.R.B.* No. 52:1-3.

Analysis of coral collected from transect across windward reef near Japtan in Enewetak. Diagram.

**Ogden, Nancy B., William B. Gladfelter, John C. Ogden and Elizabeth H. Gladfelter**

1985. Marine and Terrestrial Flora and Fauna Notes on Sombrero Island in the Caribbean.

*A.R.B.* No. 292:61-74.

Observations of plant and animal life on Sombrero Island. Photographs, species lists, bibliography.

**Parker, I. S. C.**

1970. Some Ornithological Observations from the Western Indian Ocean. In Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:211-220.

List of bird species collected or observed while at sea in Western Indian Ocean. Bibliography.

**Paulay, Gustav**

1987. Biology of Cook Islands Bivalves, Part I. Heterodont Families. *A.R.B.* No. 298:1-31.

Documentation of habitat specificity of heterodont bivalves and investigation of correlation between habitat specificity and distribution. Species list, tables, bibliography.

1989. Marine Invertebrates of the Pitcairn Islands: Species Composition and Biogeography of Corals, Molluscs, and Echinoderms. *A.R.B.* No. 326:1-27.

Description of corals, echinoderms, and mollusks found in the Pitcairn Group (Henderson, Oeno, Ducie, and Pitcairn). Discussion of biogeography of these marine communities. Bibliography and species lists.

**Paulay, Gustav and T. Spencer**

1989. Vegetation of Henderson Island. *A.R.B.* No. 328:1-13.

Description of 11 vegetation communities found on Henderson. Bibliography, diagram, photographs.

**Peake, J. F.**

1971. Non-Marine Mollusca of Diego Garcia. In Stoddart and Taylor (editors) Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago. *A.R.B.* No. 149:173-174.

List of all non-marine mollusks recorded for Diego Garcia. Bibliography.

**Peters, A. J. and J. F. G. Lionnet**

1973. Central Western Indian Ocean Bibliography. *A.R.B.* No. 165:1-321.

Bibliography of literature on Western Indian Ocean (Seychelles, Aldabra Group, Farquhar Group, Agalega, and Chagos Archipelago) with subject, region, and taxa indices.

**Peyrot-Clausade, Mireille**

1981. Distribution of the Decapods *Brachyura* and *Anomura* (excluding *Paguridae*) of the Cryptofauna in the Reefs near Tulear. *A.R.B.* No. 255:101-112.

Survey of the distribution of Decapoda, *Brachyura* and *Anomura* (as part of larger study of cryptofauna) from reefs off Madagascar. Bibliography, tables, and maps.

**Philippot, Véronique**

1987. Annotated Checklist of the Gorgonacea from Martinique and Guadeloupe Islands (F.W.I.). *A.R.B.* No. 303:1-16.

Record of 75 species of Gorgonians from Martinique and Guadeloupe. Annotated check list and maps.

**Pichon, Michel**

1978. Recherches sur les Peuplements à Dominance d'Anthozoaires dans les Récifs Coralliens de Tuléar (Madagascar). *A.R.B.* No. 222:1-447.

Description of coral reefs off Madagascar. Presentation of biological-structural framework of coral reefs and specific analysis of colonization on top of a scleractinian infralittoral stratum. In French. Photographs, charts, graphs, and bibliography.

**Piggott, C. J.**

1961. Notes on some of the Seychelle Islands, Indian Ocean. *A.R.B.* No. 83:1-10.

Classification of islands in the Seychelle group (including the Amirantes, Aldabra, and Farquhar). Detailed descriptions of Alphonse, St. Pierre, Astove, and Desnoeufs. Maps, bibliography.

**Pillai, C. S. Gopinadha**

1971. The Distribution of Shallow-Water Stony Corals at Minicoy Atoll in The Indian Ocean With a Check-List of Species. *A.R.B.* No. 141:1-12.

Description of corals and coral reefs of the Minicoy Atoll at the south end of the Laccadive Archipelago. Systematic list of scleractinian coral. Maps and bibliography.

**Pilling, Q. F.**

1961. Land Tenure in Tonga. In Doran (editor) *Land Tenure in the Pacific*. *A.R.B.* No. 85:45-49.

Present land law of Tonga. Agricultural production. Adaptive value of land law for Tongans.

**Poklington, R., P. R. Willis and M. Palmieri**

1972. Birds Seen at Sea and on an Island in the Cargados Carajos Shoals. *A.R.B.* No. 158:1-8.

Sea birds noted in the Indian Ocean. Bibliography and appendix on birds breeding on Cargados Carajos Shoals.

**Polhemus, D. A.**

1990. Heteroptera of Aldabra Atoll and Nearby Islands, Western Indian Ocean, Part 1. Marine Heteroptera (Insecta); Gerridae, Veliidae, Hermatobatidae, Saldidae, and Omaniidae.

*A.R.B.* No. 345:1-16.

Distribution of marine Heteroptera on Aldabra and Cosmoledo. Description of ecology, Identification of 3 zones characterized by distinct species assemblages. Speculation about role of SE monsoons. Key to marine species. Bibliography and maps.

**Potts, D. C.**

1978. Differentiation in Coral Populations. In Smith (editor) *Coral Reef Ecosystems: Proceedings of Papers Presented at the 13th Pacific Science Congress, Vancouver*. *A.R.B.* No. 220:55-74.

Measurement of variability in growth, survivorship and intraspecific interactions within a subgroup (*Isopora*) of genus *Acropora* from Heron Island. Estimation of relative roles of genetics and environment in phenotypic variability. Bibliography.

**Potts, G. W.**

1980. The Zonation of Rocky Littoral Areas Around Little Cayman. *In* Stoddart and Giglioli (editors) *Geography and Ecology of Little Cayman*. *A.R.B.* No. 241:23-42.

Survey of rocky littoral regions of Little Cayman and their molluscan fauna. Analysis of relationship between composition of mollusk species and degree of exposure of site. Charts, bibliography, maps and photographs.

1980. The Littoral Fishes of Little Cayman. *In* Stoddart and Giglioli (editors) *Geography and Ecology of Little Cayman*. *A.R.B.* No. 241:43-52.

Survey of littoral marine fish of Little Cayman with notes on habitats. Proposal of alternative scheme for classifying fish. Bibliography and diagram.

**Pringle, James S.**

1982. Floristic Observations on South Water and Carrie Bow Cays, Stann Creek District, Belize in 1979-1980. *A.R.B.* No. 259:1-10.

General description of South Water Cay and list of vascular plant species observed. Discussion of damage of Hurricane Hattie and mechanisms of plant dispersal and vegetation recovery. Bibliography and photographs.

**Proctor, G. R.**

1980. Checklist of the Plants of Little Cayman. *In* Stoddart and Giglioli (editors) *Geography and Ecology of Little Cayman*. *A.R.B.* No. 241:71-80.

Checklist of vascular plants of Little Cayman with indication of endemic species.

**Prys-Jones, R. P., M. S. Prys-Jones and J. C. Lawley**

1981. The Birds of Assumption Island, Indian Ocean: Past and Future. *A.R.B.* No. 248:1-16.

List of birds of Assumption Island and description of the original avifauna with estimates of time-frame and likely causes of its destruction. Assessment of importance of conservation on Assumption in light of recent bird introductions. Bibliography.

**Randall, John E.**

1953. Hints on Living on a Boat. *A.R.B.* No. 17:125-127.

Preparing for a safe, efficient and psychologically healthy voyage on a small boat.

1955. Fishes of the Gilbert Islands. *A.R.B.* No. 47:1-243.

Systematic list of fishes noted from Gilbert Islands, mostly Onotoa. Key to species of Apogonidae, Pomacentridae, Acanthuridae, Cirrhitidae, Balistidae, and Monacanthidae. Gilbertese fish names, bibliography.

**Rapaport, Moshe**

1990. Population Pressure on Coral Atolls: Trends and Approaching Limits. *A.R.B.* No. 340:1-33.

Discussion of atoll resources, economies and land tenure. Proposal of a dynamic measure of carrying capacity based on global economics and perception as well as locally derived food. Contrast of dependent and independent atolls. Bibliography and tables.

**Rauzon, Mark J.**

1985. Feral Cats on Jarvis Island: Their Effects and Their Eradication. *A.R.B.* No. 282:1-30.

Narrative of efforts to eradicate cats from Jarvis Is1982.. Need to preserve bird breeding site by eliminating bird predators. Map and bibliography.

**Regnault, R. H.**

1961. Land in Fiji. *In* Doran (editor) *Land Tenure in the Pacific*. *A.R.B.* No. 85:35-42.

Government policy regarding land tenure in Fiji. Rights of ethnic Fijians and ethnic Indians. Population figures.

**Rehder, Harald A. and John E. Randall**

1975. Ducie Atoll: Its History, Physiography and Biota. *A.R.B.* No. 183:1-40.

History of Ducie. Past and current scientific research there. General description of Ducie, specific descriptions of lagoon, channels, reefs, birds, reptiles, fishes, crustaceans, marine mollusks, echinoderms, and corals. Bibliography and photographs.

**Renon, J.-P.**

1987. Le Zooplancton du Lagon de Clipperton. *A.R.B.* No. 301:1-14.

Discussion of lagoonal planktonic communities of Clipperton with demographic data on predator *Acanthocyclops robustus* and prey *Latonopsis australis*. In French. Tables, maps and bibliography.

**Rhyne, C. F.**

1971. Marine Algae of Diego Garcia. In Stoddart and Taylor (editors) Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago. *A.R.B.* No. 149:41-66.

Description of main algal habitats and collecting stations on Diego Garcia. Systematic list of algae known. Bibliography.

**Richard, Georges**

1985. Croissance et Production de *Chama iostoma* dans le Lagon de Takapoto, Tuamotu, Polynésie Française. *A.R.B.* No. 292:11-22.

A comparison of the productivity of three groups of mollusks with potential economic value in the Tuamotos. Special attention to the analysis of productivity of *Chama iostoma*. In French. Map, bibliography, tables.

**Risk, Michael J.**

1972. Fish Diversity on a Coral Reef in the Virgin Islands. *A.R.B.* No. 153:1-4.

Investigation of the relationship between substrate complexity in coral reefs and fish species diversity in the Virgin Islands. Charts and bibliography.

1981. Artificial Reefs in Discovery Bay, Jamaica. *A.R.B.* No. 255:91-100.

Attempts to create artificial reefs to improve fisheries in Discovery Bay, Jamaica with reports on economically desirable fish and crustacean species attracted. Bibliography, photographs, and map.

**Roberts, Harry H.**

1983. Shelf Margin Reef Morphology: A Clue to Major Off-Shelf Sediment Transport Routes, Grand Cayman Island, West Indies. *A.R.B.* No. 263:1-11.

Analysis of sediment accumulation and sediment transport patterns on Grand Cayman Island. Discussion of instrumentation. Description of morphology of off-shore shelf. Bibliography, maps, photographs, graphs, charts.

**Robertson, I. A. D., S. A. Robertson and F. Raymond Fosberg**

1983. List of Plants Collected on Alphonse Island, Amirantes. In Sachet, Stoddart, and Fosberg (editors) Floristics and Ecology of Western Indian Ocean Islands. *A.R.B.* No. 273:177-185.

Plant list for Alphonse Island, map and bibliography.

**Robertson, S. A. and F. Raymond Fosberg**

1983. List of Plants Collected on Coetivy Island, Seychelles. In Sachet, Stoddart, and Fosberg (editors) Floristics and Ecology of Western Indian Ocean Islands. *A.R.B.* No. 273:143-157.

Plant list for Coetivy Island, map and bibliography.

1983. List of Plants Collected on Platte Island, Seychelles. In Sachet, Stoddart, and Fosberg (editors) Floristics and Ecology of Western Indian Ocean Islands. *A.R.B.* No. 273:157-164.

Plant list for Platte Island, map and bibliography.

**Robertson, S. A. and F. Raymond Fosberg (cont)**

1983. List of Plants of Poivre Island, Amirantes. *In* Sachet, Stoddart, and Fosberg (editors) *Floristics and Ecology of Western Indian Ocean Islands*. *A.R.B.* No. 273:165-176.

List of plants collected or noted for Poivre Islands (Poivre and Ile du Sud) in the Amirantes. Map and bibliography.

**Robertson, S. A. and C. M. Todd**

1983. Vegetation of Fregate Island, Seychelles. *In* Sachet, Stoddart, and Fosberg (editors) *Floristics and Ecology of Western Indian Ocean Islands*. *A.R.B.* No. 273:39-64.

General description of Fregate Island in the Seychelles. Description of vegetation types and list of plants observed there with Creole and English common names. Bibliography and map.

**Rogers, D. P.**

1951. Fungi. *A.R.B.* No. 1:15.

The current state of knowledge about fungi on coral atolls.

1953. Suggestions for Collecting Fungi. *A.R.B.* No. 17:57-60.

How to identify different parasitic and non-parasitic fungi and how to preserve specimens.

**Rosen, Brian Roy**

1971. Annotated Check List and Bibliography of Corals of the Chagos Archipelago (including the Recent Collection from Diego Garcia), with Remarks on Their Distribution. *In* Stoddart and Taylor (editors) *Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago*. *A.R.B.* No. 149:67-88.

Remarks on coral fauna from Chagos Archipelago. Check list of species collected by three collectors. Bibliography.

1979. Check list of Recent Coral Records from Aldabra (Indian Ocean). *A.R.B.* No. 233:1-24.

Remarks on coral fauna from Aldabra and list of all published coral records. Bibliography and chart.

**Russell, Martin**

1953. Collecting Geological Data. *A.R.B.* No. 17:16-18.

Basic concepts of geology necessary to make helpful observations of the geology of coral reefs and atolls.

**Sachet, Marie-Hélène**

1953. Scorpions on Coral Atolls. *A.R.B.* No. 26:1-10.

Information about scorpions on atolls. List of species of scorpions found and description of their habitats and ranges. Bibliography.

1954. A Summary of Information on Rose Atoll. *A.R.B.* No. 29:1-25.

Summary of information from literature for Rose Atoll. Includes geography, history, meteorology, geology, soils, land flora, vegetation and fauna. Bibliography.

1955. Pumice and Other Extraneous Volcanic Materials on Coral Atolls. *A.R.B.* No. 37:1-27.

Documented cases of pumice floating onto coral atolls throughout the Pacific and Indian Ocean. Historic references, chemical analysis, and sources proposed. Bibliography.

1957. Climate and Meteorology of the Gilbert Islands. *A.R.B.* No. 60:1-4.

Summary of climatic conditions with tables of rainfall. Bibliography.

1961. Historical and Climatic Information on Gaferut Island. *A.R.B.* No. 76:11-15.

History of Gaferut with short discussion of soils, geology, and climate. Bibliography.

**Sachet, Marie-Hélène (cont)**

1962. Geography and Land Ecology of Clipperton Island. *A.R.B.* No. 86:1-115.

Summary of geologic and ecological conditions on Clipperton with a catalog of land and lagoon plants and animals. Bibliography, maps and charts.

1969. List of Vascular Flora of Rangiroa. *A.R.B.* No. 125:33-44.

Plant list for Rangiroa.

1974. State of Knowledge of Coral Reefs as Ecosystems. *In* Sachet and Dahl (editors) Comparative Investigations of Tropical Reef Ecosystems: Background for an Integrated Coral Reef Program. *A.R.B.* No. 172:121-169.

Brief review of current knowledge and theories of coral reef ecosystems including geology, biotic environment and human influences. Lengthy bibliography.

1983. Natural History of Mopelia Atoll, Society Islands. *A.R.B.* No. 274:1-37.

General description of Mopelia, history, setting, substratum, land and marine vegetation, and fauna. List of Marine Mollusks (by Harald Rehder) and systematic list of terrestrial flora. Map, bibliography, and photographs.

1983. Botanique de l'île de Tupai, Iles de la Société. *A.R.B.* No. 276:1-26.

History, geography, vegetation, and list of plants collected or observed on Tupai. Partly in French, partly in English. Bibliography, maps, and photographs.

1983. Takapoto Atoll, Tuamotu Archipelago: Terrestrial Vegetation and Flora.

*A.R.B.* No. 277:1-44.

Geography, climate, discovery, exploration, vegetation, fauna, and systematic list of land plants with annotations and native names. Bibliography, maps, and photographs.

**Sachet, Marie-Hélène and Arthur Dahl (editors)**

1974. Comparative Investigations of Tropical Reef Ecosystems: Background for an Integrated Coral Reef Program. *A.R.B.* No. 172:1-169.

Collection of papers about research on coral reef ecosystems.

**Sachet, Marie-Hélène and F. Raymond Fosberg**

1983. An Ecological Reconnaissance of Tetiaroa Atoll, Society Islands. *A.R.B.* No. 275:1-67.

General description, ecological setting and vegetation of Tetiaroa. Observations regarding plant and animal pests and freshwater sources. Recommendations for appropriate tourist development. Annotated list of plants. Map, bibliography and photographs.

**Sachet, Marie-Hélène, David R. Stoddart and F. Raymond Fosberg (editors)**

1983. Floristics and Ecology of Western Indian Ocean Islands. *A.R.B.* No. 273:1-253.

Collection of papers pertaining to vegetation and ecology of some Western Indian Ocean Islands including: Cousin, Fregate, Agalega, Coetivy, Platte, Poivre, Alphonse, Marie- Louise, Desnoeufs, and Aldabra.

**Scheer, Georg**

1959. Contribution to a German Reef Terminology. *A.R.B.* No. 69:1-4.

Glossary of German terms describing characteristics of reefs as a basis for Reef Terminology Index which NAS/NRC was preparing.

**Schubel, Susan E. and David W. Steadman**

1989. More Bird Bones From Polynesian Archeological Sites on Henderson Island, Pitcairn Group, South Pacific. *A.R.B.* No. 325:1-14.

Study of bird bones found in archeological sites in limestone caves on Henderson. Suggestions of extinctions of five species of seabirds and three species of landbirds since human settlement. Appendix by Melinda Allen, bibliography, bird lists, maps.

**Schultz, Leonard P.**

1953. Directions for Collecting, Preserving, and Shipping Fishes. *A.R.B.* No. 17:90-95.  
Collecting fish using rotenone and lights at night. Preserving fish for shipment.

**Scott, G. A. J. and G. M. Rotondo**

1983. A Model for the Development of Types of Atolls and Volcanic Islands on the Pacific Lithospheric Plate. *A.R.B.* No. 260:1-33.  
A model to explain the development of all major Pacific plate island types with literature review. Bathymetric data, charts, maps, diagrams, profiles, bibliography.

**Sheppard, C. R. C.**

1987. Coral Species of the Indian Ocean and Adjacent Seas: A Synonymized Compilation and Some Regional Distributional Patterns. *A.R.B.* No. 307:1-32.  
List of coral hermatypic coral species from 24 locations in the Indian Ocean and peripheral seas and gulfs with cluster analysis showing three broad geographic groupings. Species lists, maps, and bibliography.

**Sigee, D. C.**

1966. Preliminary Account of the Land and Marine Vegetation of Addu Atoll. *In* Stoddart (editor) Reef Studies at Addu Atoll, Maldive Islands: Preliminary Results of an Expedition to Addu Atoll 1964. *A.R.B.* No. 116:61-74.  
Land and marine vegetation from Gan and Hitaddu Islets of Addu Atoll. Notes on occurrences of algae. Map and graphs.

**Sims, R.**

1971. Earthworms of Diego Garcia. *In* Stoddart and Taylor (editors) Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago. *A.R.B.* No. 149:171.  
List of the four species of earthworm collected on Diego Garcia.

**Sivadas, P., B. Narayanan and K. Sivaprasad**

1983. An Account of the Vegetation of Kavaratti Island, Laccadives. *A.R.B.* No. 266:1-9.  
A short account of climatic conditions and soil chemistry and a description of the vegetation of Kavaratti Island. Plant lists, bibliography, maps, photographs.

**Smith, Celia M. and James N. Norris**

1988. Procarp Structure in Some Caribbean Species of *Bostrychia* Montagne (Rhodophyta, Rhodomelaceae): An Important Systematic Character. *A.R.B.* No. 312:1-15.  
Pre-fertilization procarp structures in species of red algae contribute more than simply vegetative characteristics to the systematics of species of *Bostrychia*. Photographs and bibliography.

**Smith, S. V.**

1974. Introduction. CITRE and IMSWE Studies in British Honduras. *In* Sachet and Dahl (editors) Comparative Investigations of Tropical Reef Ecosystems: Background for an Integrated Coral Reef Program. *A.R.B.* No. 172:1-6.  
The beginning of an integrated coral reef program: "Comparative Investigations of Tropical Reef Ecosystems" in British Honduras and a more specific project called "Investigations of Marine Shallow-Water Ecosystems". Personnel list.

**Smith, S. V. (editor)**

1978. Coral Reef Ecosystems: Proceedings of Papers Presented at the 13th Pacific Science Congress, Vancouver. *A.R.B.* No. 220:1-110.  
Collection of papers presented in the Systems Modelling and Coral Reef Ecosystems symposium at the 13th Pacific Science Congress in 1975.

**Smith, S. V. and R. S. Henderson (editors)**

1978. Phoenix Islands Report I: An Environmental Survey of Canton Atoll Lagoon, 1973.

*A.R.B.* No. 221:1-183.

Collection of articles on aspects of ecology in Canton Island Lagoon.

**Smith, S. V. and P. L. Jokiel**

1978. Water Composition and Biochemical Gradients in the Canton Atoll Lagoon. *In* Smith and Henderson (editors) Phoenix Islands Report I: An Environmental Survey of Canton Atoll

Lagoon, 1973. *A.R.B.* No. 221:15-54.

Budgets of water, salt, nutrients, CO<sub>2</sub>, suspended material, and sediments used to establish dynamics of water exchange, biogeochemical reactions, and sedimentation in Canton lagoon. Maps, charts, bibliography.

**Smith, S. V., P. L. Jokiel and G. S. Key**

1978. Biogeochemical Budgets in Coral Reef Systems. *In* Smith (editor) Coral Reef Ecosystems: Proceedings of Papers Presented at the 13th Pacific Science Congress, Vancouver.

*A.R.B.* No. 220:1-12.

Understanding of dynamics of coral reef ecosystems through studies of mass-balance budgets considering CaCO<sub>3</sub> budget, organic Carbon budget, and nutrient budgets. Bibliography.

**Smith, W. A.**

1971. Crustacea: Cirripedes from Diego Garcia. *In* Stoddart and Taylor (editors) Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago. *A.R.B.* No. 149:103-104.

A list of the three cirripede crustaceans noted from Diego Garcia: one recorded in 1909 and the other two on the current expedition (1967).

**Sparrow, F. K.**

1953. Collection of Soil Samples for the Recovery of Aquatic Phycomyces. *A.R.B.* No. 17:61.

Equipment needed, collection method and desirable data related to aquatic phycomycetes.

**Spencer, T.**

1989. Tectonic and Environmental Histories in the Pitcairn Group, Palaeogene to Present: Reconstructions and Speculations. *A.R.B.* No. 322:1-22.

New reconstructions of the tectonic history of Henderson Island and the Pitcairn group derived from remote sensing technology and improved sea floor mapping. Bibliography, maps, charts and photographs.

1989. Sediments and Sedimentary Environments of Henderson Island. *A.R.B.* No. 324:1-10.

Analysis of sediment samples from Henderson Island and suggestions of biogeographic gradients and island development. Appendix by Owen Green, bibliography, maps, graphs, and photographs.

**Spencer, T. and Gustav Paulay**

1989. Geology and Geomorphology of Henderson Island. *A.R.B.* No. 323:1-18.

Observations and hypotheses about the structure and geologic history of Henderson. Results of survey of fossil lagoon and fossil coral fauna. Suggestion of Pleistocene age for deposits. Bibliography, maps, cross-sections, and photographs.

**Sperrazza, J.**

1954. Distribution of Foraminifera. *Appendix to* Newell, Norman "Reefs and Sedimentary Processes of Raroia". *A.R.B.* No. 36:27-32.

Distribution of foraminifera around Raroia in the Tuamotus.

**Spicer, R. A. and D. McC. Newbery**

1979. The Terrestrial Vegetation of an Indian Ocean Coral Island: Wilingili, Addu Atoll, Maldives: Transect Analysis of the Vegetation. *A.R.B.* No. 231:1-14.

Study of vegetation across three transects of Wilingili Islet, Addu Atoll in the Maldives. Notes on ground water quality. List of plants collected. Bibliography, charts, and maps.

**Spoehr, Alexander**

1951. Coral Atolls and Man. *A.R.B.* No. 1:21.

Why coral atoll research is important to people – argument for cultural ecological perspective and recommendations for research relating to environment and culture.

1953. Anthropology and Coral Atoll Field Research. *A.R.B.* No. 17:109-110.

Identification of high priority research topics for the study of human and cultural ecology of atoll populations.

**Staub, F.**

1970. Geography and Ecology of Tromelin Island. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:197-210.

Description of topography, history, vegetation, fauna (inc birds), and human settlement of Tromelin. Map, photographs, and bibliography.

**Stoddart, David R.**

1962. Three Caribbean Atolls: Turneffe Islands, Lighthouse Reef, and Glover's Reef, British Honduras. *A.R.B.* No. 87:1-151.

Description of cays off Belize with discussion of geomorphology, reef ecology, climate, flora, and theories on the formation of this system of reefs and islands. Plant list, bibliography, maps.

1963. Effects of Hurricane Hattie on the British Honduras Reefs and Cays October 30-31, 1961. *A.R.B.* No. 95:1-142.

Damage done by Hurricane Hattie among the cays off British Honduras (Belize). Maps, graphs, diagrams, bibliography.

1964. Carbonate Sediments of Half Moon Cay, British Honduras. *A.R.B.* No. 104:1-16.

Analysis of sediments from Half Moon Cay, British Honduras (Belize). Suggests classification system based on size, sorting characteristics and organic derivation. Bibliography, maps, and frequency graphs.

1967. Scientific Studies on Aldabra Atoll. *A.R.B.* No. 118:1-8.

General comments on island ecology. Summary of previous and on-going scientific research on Aldabra.

1967. Summary of the Ecology of Coral Islands North of Madagascar. *A.R.B.* No. 118:53-61.

General ecological descriptions of Assumption, Astove, Gloriosa, Cosmoledo, Farquhar, St. Pierre, and Providence. Maps.

1967. Bibliography of Aldabra. *A.R.B.* No. 118:126-141.

Bibliography of literature of Aldabra geology, geomorphology, and biota.

1969. Reconnaissance Geomorphology of Rangiroa Atoll, Tuamotu Archipelago.

*A.R.B.* No. 125:1-32.

Geomorphology of Rangiroa Atoll in the Tuamotus focussing on sources of consolidated and unconsolidated sediments, surface features of seaward reef flats. Tentative geomorphic history is offered. Bibliography, maps and photographs.

**Stoddart, David R. (cont)**

1969. Post-Hurricane Changes on the British Honduras Reefs and Cays: Re-Survey of 1965.

*A.R.B.* No. 131:1-25.

Resurvey of British Honduras (Belize) Reefs and Cays 4 years after Hurricane Hattie with reference to the degree of recovery of the coral reefs and vegetation. Maps and bibliography.

1971. Rainfall on Indian Ocean Coral Islands. *A.R.B.* No. 147:1-21.

Study of rainfall on the Coral islands of the Indian Ocean: spatial and temporal distributions. Bibliography, charts, graphs, and maps.

1971. Scientific Studies at Diego Garcia Atoll. *In* Stoddart and Taylor (editors) *Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago*. *A.R.B.* No. 149:1-6.

History of scientific research on Diego Garcia and description of goals and structure of British Ministry of Defense hydrographic survey expedition on H.M.S. Vidal.

1971. Geomorphology of Diego Garcia Atoll. *In* Stoddart and Taylor (editors) *Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago*. *A.R.B.* No. 149:7-26.

General structure of Diego Garcia. Geomorphology of the land rim including the Barachois rim, lagoon mouth islands and sand dunes. Discussion of beachrock. Geomorphology of seaward reefs and lagoon. Maps, diagrams, and photographs.

1971. Land Vegetation of Diego Garcia. *In* Stoddart and Taylor (editors) *Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago*. *A.R.B.* No. 149:127-142.

Terrestrial vegetation of Diego Garcia with reference to human settlements. Map and photographs,

1971. Terrestrial Fauna of Diego Garcia and Other Chagos Atolls. *In* Stoddart and Taylor (editors) *Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago*.

*A.R.B.* No. 149:163-170.

Account of all terrestrial fauna noted for Diego Garcia.

1971. Settlement and Development of Diego Garcia. *In* Stoddart and Taylor (editors) *Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago*. *A.R.B.* No. 149:209-217.

History of discovery and settlement of Chagos Group by Europeans with notes on economic development and the introductions of plants and animals. Maps and photographs.

1971. Bibliography of Diego Garcia. *In* Stoddart and Taylor (editors) *Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago*. *A.R.B.* No. 149:219-327.

Bibliography of Chagos Archipelago and Diego Garcia, in particular.

1972. Reef Islands of Rarotonga. *A.R.B.* No. 160:1-7.

Reef geomorphology and vegetation summary of Rarotongan reef islands. Bibliography.

1975. Sand Cays of Tongatapu. *A.R.B.* No. 181:1-8.

Descriptions of Makaha'a, Pangaimotu, Manima, and Oneata, off Tongatapu. Bibliography, maps, and photographs.

1975. Scientific Studies in the Southern Cook Islands: Background and bibliography. *In* Stoddart and Gibbs (editors) *Almost-Atoll of Aitutaki: Reef Studies in the Cook Islands, South Pacific*.

*A.R.B.* No. 190:1-30.

Structure, topography and climate of islands in the Southern Cooks. History of European contact with Southern Cooks and discussion of previous scientific research there. Very extensive bibliography, maps, charts and illustrations.

### Stoddart, David R. (cont)

1975. Almost-Atoll of Aitutaki: Geomorphology of Reefs and Islands. *In* Stoddart and Gibbs (editors) *Almost-Atoll of Aitutaki: Reef Studies in the Cook Islands, South Pacific*.

*A.R.B.* No. 190:31-58.

Definition of "almost-atoll" and application of term to Aitutaki. Morphology and zonation of reefs, lagoon and reef islands. Discussion of explanations for "Makatea" formations in Southern Cooks. Maps, charts, photographs, and bibliography.

1975. Reef Islands of Aitutaki. *In* Stoddart and Gibbs (editors) *Almost-Atoll of Aitutaki: Reef Studies in the Cook Islands, South Pacific*. *A.R.B.* No. 190:59-72.

Description of the main physiographic features and vegetation of 16 of the smaller islands of Aitutaki. Maps and bibliography.

1975. Vegetation and Floristics of the Aitutaki Motus. *In* Stoddart and Gibbs (editors) *Almost-Atoll of Aitutaki: Reef Studies in the Cook Islands, South Pacific*. *A.R.B.* No. 190:87-116.

Vegetation and flora of the reef islands of Aitutaki with notes comparing these low islands with atoll islets and offering explanations for their relative paucity of species. Photographs, map and bibliography.

1975. Mainland Vegetation of Aitutaki. *In* Stoddart and Gibbs (editors) *Almost-Atoll of Aitutaki: Reef Studies in the Cook Islands, South Pacific*. *A.R.B.* No. 190:117-122.

Vegetation of main island of Aitutaki. Photographs.

1980. Scientific Survey of Little Cayman. *In* Stoddart and Giglioli (editors) *Geography and Ecology of Little Cayman*. *A.R.B.* No. 241:1-10.

General description of climatic characteristics of Little Cayman and history of scientific research there. Bibliography.

1980. Geology and Geomorphology of Little Cayman. *In* Stoddart and Giglioli (editors) *Geography and Ecology of Little Cayman*. *A.R.B.* No. 241:11-16.

Description of rock units and land forms of Little Cayman Island. Maps, charts, photographs, and bibliography.

1980. Vegetation of Little Cayman. *In* Stoddart and Giglioli (editors) *Geography and Ecology of Little Cayman*. *A.R.B.* No. 241:53-70.

Description of vegetation zones of Little Cayman. Bibliography, maps, and photographs.

1981. History of Goats in the Aldabra Archipelago. *A.R.B.* No. 255:23-26.

Summary of the history of goats on Aldabra with reference to goats on other nearby islands. Bibliography.

1981. Abbott's Booby on Assumption. *A.R.B.* No. 255:27-32.

Records of Abbott's booby on Assumption up to 1908 and questions about its existence in Iles Glorieuses. Remarks on extinction. Bibliography.

1983. Introduction. *In* Sachet, Stoddart, and Fosberg (editors) *Floristics and Ecology of Western Indian Ocean Islands*. *A.R.B.* No. 273:1-6.

Introduction to collected papers on vegetation and ecology of Western Indian Ocean islands.

1983. Spatial and Temporal Variability of Rainfall on Aldabra Atoll. *In* Sachet, Stoddart, and Fosberg (editors) *Floristics and Ecology of Western Indian Ocean Islands*.

*A.R.B.* No. 273:223-246.

Discussion of rainfall on Aldabra and the variability in rainfall within the atoll due to wind direction, small precipitation events, and the coincidence of cumulus development with atoll locations. Maps, charts, and bibliography.

**Stoddart, David R. (cont)**

1980. Little Cayman: Ecology and Significance. *In* Stoddart and Giglioli (editors) *Geography and Ecology of Little Cayman*. *A.R.B.* No. 241:171-180.

Summary of conclusions of component volume papers to serve as guidelines for economic development plans. Summary of species extinctions and endangered species, and summary of threatened habitats. Bibliography and maps.

**Stoddart, David R. (editor)**

1966. Reef Studies at Addu Atoll, Maldives Islands: Preliminary Results of an Expedition to Addu Atoll in 1964. *A.R.B.* No. 116:1-122.

Detailed study of Addu Atoll – climate, geomorphology, corals, vegetation and flora, and history. Maps and bibliography.

1967. Ecology of Aldabra Atoll, Indian Ocean. *A.R.B.* No. 118:1-141.

Collection of papers on the ecology of Aldabra. Photographs.

1970. Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:1-224.

Collection of papers on coral islands in the Western Indian Ocean including history of scientific research. Bibliography.

**Stoddart, David R. and C. W. Benson**

1970. An Old Record of a Blue Pigeon *Alectroenas* species and Sea-Birds on Farquhar and Providence. *In* Stoddart (editor) *Coral Islands of the Western Indian Ocean*. *A.R.B.* No. 136:35-36.

Records from a 1821 explorer concerning a blue pigeon *Alectroenas* species on Farquhar and Providence. Bibliography.

**Stoddart, David R., C. W. Benson and J. F. Peake**

1970. Ecological Change and Effects of Phosphate Mining on Assumption Island. *In* Stoddart (editor) *Coral Islands of the Western Indian Ocean*. *A.R.B.* No. 136:121-146.

History of scientific research on Assumption. Descriptions of topography, climate, vegetation, fauna, human settlement and exploitation of phosphate. Discussion of impact of phosphate mining on ecology. Bibliography, photographs, and map.

**Stoddart, David R., M. J. Coe and F. Raymond Fosberg**

1979. D'Arros and St. Joseph, Amirante Islands. *A.R.B.* No. 223:1-48.

Geography and Ecology of D'Arros Island, Plants of D'Arros Island, Geography and Ecology of St. Joseph Atoll, and Plants of St. Joseph Atoll. Maps, 3 bibliographies, and photographs.

**Stoddart, David R., P. Spencer Davies and A. C. Keith**

1966. Geomorphology of Addu Atoll. *In* Stoddart (editor) *Reef Studies at Addu Atoll, Maldives Islands: Preliminary Results of an Expedition to Addu Atoll in 1964*. *A.R.B.* No. 116:13-42.

General description of Addu Atoll, its reefs, lagoon, islands, sediments, with special reference to the historic controversy over the infilling of Addu lagoon. Diagrams and maps.

**Stoddart, David R. and F. Raymond Fosberg**

1972. South Indian Sand Cays. *A.R.B.* No. 161:1-16.

Description of cays that connect Ceylon to India (Adam's Bridge). Environment, vegetation, and flora. Maps and bibliography.

1981. Bird and Denis Islands, Seychelles. *A.R.B.* No. 252:1-50.

Geography, ecology and flora of Bird and Denis Islands in the Seychelles. Maps, photographs, and bibliography.

**Stoddart, David R. and F. Raymond Fosberg (cont)**

1981. Topographic and Floristic Change, Dry Tortugas, Florida 1904-1977. *A.R.B.* No. 253:1-54.  
List of Dry Tortugas plants with comments on island size estimates, the relationship between area and floristic diversity, and the problems of colonization and extinction. Bibliography, tables, maps, and photographs.

**Stoddart, David R., F. Raymond Fosberg and Marie-Hélène Sacht**

1982. Ten Years of Change on the Glover's Reef Cays. *A.R.B.* No. 257:1-17.  
Review of scientific studies of Glover's Reef, Belize. Morphology and vegetation surveys in 1961 and 1971. List of recorded terrestrial plants. Discussion of factors relating to species diversity. Maps, photographs, and bibliography.

**Stoddart, David R., F. Raymond Fosberg and D. L. Spellman**

1982. Cays of the Belize Barrier Reef and Lagoon. *A.R.B.* No. 256:1-73.  
General description of cays of the barrier reef and coastal shelf of Belize (British Honduras). Plant species reported for each island. Accounts of damage from Hurricane Hattie (1962). Maps, photographs, island index, and bibliography.

**Stoddart, David R., P. E. Gibbs and D. Hopley**

1981. Natural History of Raine Island, Great Barrier Reef. *A.R.B.* No. 254:1-44.  
General description of Raine Island, Great Barrier Reef. Geology and geomorphology, fresh water, vegetation and flora, fauna (esp. birds) and discussion of human disturbances. Photographs, illustrations, maps, and bibliography.

**Stoddart, David R. and P. E. Gibbs (editors)**

1975. Almost-Atoll of Aitutaki: Reef Studies in the Cook Islands, South Pacific. *A.R.B.* No. 190:1-158.  
Collection of papers on the physical and biotic features of Aitutaki "almost-atoll" in the Southern Cooks.

**Stoddart, David R. and M. E. C. Giglioli (editors)**

1980. Geography and Ecology of Little Cayman. *A.R.B.* No. 241:1-180.  
Collection of papers relating to Little Cayman Island.

**Stoddart, David R. and L. U. Mole**

1977. Climate of Aldabra Atoll. *A.R.B.* No. 202:1-21.  
Description of atmospheric pressure, winds, temperature, and rainfall on Aldabra with charts giving monthly readings for these variables from 1967 to 1974. Graphs and bibliography.

**Stoddart, David R. and M. E. D. Poore**

1970. Geography and Ecology of Farquhar Atoll. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:7-26.  
History of scientific research on Farquhar. Descriptions of island geomorphology, vegetation, fauna, bird lists, and human settlement. Bibliography and photographs.

1970. Geography and Ecology of Desroches. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:155-166.

History of scientific research on Desroches. Descriptions of vegetation, fauna, and human settlement. Map, bibliography, and photographs.

1970. Geography and Ecology of Remire. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:171-182.

History of scientific research on Remire. Description of vegetation, fauna, and human settlement. Map and bibliography.

**Stoddart, David R. and M. E. D. Poore (cont)**

1970. Geography and Ecology of African Banks. *In* Stoddart (editor) Coral Islands of the Western Indian Ocean. *A.R.B.* No. 136:187-192.

History of scientific research on African Banks. Description of vegetation, fauna, and human settlement. Map and bibliography.

**Stoddart, David R. and T. P. Scoffin**

1979. Microatolls: Review of Form, Origins and Terminology. *A.R.B.* No. 224:1-17.

Summary of the literature on micro-atolls offering a general definition and set of characteristics. Speculation about origins. Bibliography.

**Stoddart, David R. and T. Spencer**

1987. Rurutu Reconsidered: The Development of Makatea Topography in the Austral Islands.

*A.R.B.* No. 297:1-19.

Arguments for the erosional origin of rims of elevated mid-Tertiary limestones in the Southern Cooks and Australs (makatea). Comparison of Rurutu with other more typical islands. Maps, tables, photographs, tables, bibliography.

**Stoddart, David R. and J. D. Taylor (editors)**

1971. Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago. *A.R.B.* No. 149:1-237.

Collection of 19 papers on the terrestrial and marine environment of Diego Garcia.

**Stoddart, David R., C. D. Woodroffe and T. Spencer**

1990. Mauke, Mitiaro and Atiu: Geomorphology of Makatea Islands in the Southern Cooks.

*A.R.B.* No. 341:1-65.

Geomorphological description of volcanic and limestone features of islands in S. Cooks with thoughts on makatea formation, lithospheric flexure and sea level changes. Bibliography, photographs, and diagrams.

**Stoddart, David R. and C. A. Wright**

1967. Geography and Ecology of Aldabra Atoll. *A.R.B.* No. 118:11-52.

Description of geomorphology, geology, flora, vegetation, terrestrial and marine fauna, and human settlements on Aldabra. Maps.

**Stone, Earl L.**

1951. Soils. *A.R.B.* No. 1:12.

A summary of the present state of knowledge and suggestions for future research in pedology (soil development) and edaphology (soil in relation to plants).

1951. Agriculture. *A.R.B.* No. 1:22.

Meager state of knowledge of agriculture on coral atolls except cultivation of coconuts for export. Future research should be directed to encouraging agricultural development of coral atolls.

1951. The Soils of Arno Atoll, Marshall Islands. *A.R.B.* No. 5:1-56.

Physical factors and biological factors of soil formation. Characteristics of soils on Arno. Maps and tables.

1951. The Agriculture of Arno Atoll, Marshall Islands. *A.R.B.* No. 6:1-46.

Description of utilitarian plants of Arno with native names.

1953. Soil Science. *A.R.B.* No. 17:38-43.

Objectives and methods of soil collection with definition of terms and concepts in soil science.

1953. Summary of Information on Atoll Soils. *A.R.B.* No. 22:1-5.

Properties of atoll soils and sequence of soil development.

**Svihla, Arthur**

1957. Observations on French Frigate Shoals, February 1956. *A.R.B.* No. 51:1-2.

Brief observations of vegetation and terrestrial vertebrates of Tern Island in the French Frigate Shoals (Leeward islands of the Hawaiian chain).

**Taylor, J. D.**

1971. Observations on the Shallow-Water Marine Fauna. *In* Stoddart and Taylor (editors) *Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago*. *A.R.B.* No. 149:31-40.

Description of main near-shore marine habitats and the dominant animal species found. Diagrams.

1971. Crustacea: Brachyura and Anomura from Diego Garcia. *In* Stoddart and Taylor (editors) *Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago*. *A.R.B.* No. 149:93-102.

List of collections of Brachyura and Anomura Crustaceans from Diego Garcia. Bibliography.

1971. Marine Mollusca from Diego Garcia. *In* Stoddart and Taylor (editors) *Geography and Ecology of Diego Garcia Atoll, Chagos Archipelago*. *A.R.B.* No. 149:105-126.

Systematic list of marine mollusks found around Diego Garcia with notes on their habitats. Bibliography.

**Taylor, William Randolph**

1975. Marine Algae of Great Swan Island. *In* *Island News and Comment*. *A.R.B.* No. 185:6-10.

List of algae collected from Great Swan Island off the coast of Honduras. Bibliography.

1977. Notes on Plants of the Genus *Caulerpa* in the Herbarium of Maxwell S. Doty at the University of Hawaii. *A.R.B.* No. 208:1-17.

Summary of research to rectify determinations and organize the genus *Caulerpa* (green algae) in the Maxwell Doty collection at the University of Hawaii. List of all holdings by species and provenience. Bibliography.

1977. Marine Algae of the Te Vega 1965 Expedition in the Western Pacific Ocean. *A.R.B.* No. 209:1-16.

Itinerary and description of collecting stations of the Te Vega Expedition of Stanford University. List of algae collected. Bibliography.

**Temme, Manfred**

1985. First Records of Wood Sandpiper, Ruff and Eurasian Tree Sparrow from the Marshall Islands. *A.R.B.* No. 292:23-28.

Observations of straggler species of migratory birds and introduced Eurasian birds in the Marshall Islands. Bibliography and photographs.

**Thaman, R. R.**

1987. Plants of Kiribati: A Listing and Analysis of Vernacular Names. *A.R.B.* No. 296:1-42.

Comments on utility of vernacular names, a discussion of cognitive systematics and the derivation of Gilbertese terms, and summary of previous studies. Plant lists and bibliography.

1990. Kiribati Agroforestry: Trees, People and the Atoll Environment. *A.R.B.* No. 333:1-29.

Description of agroforestry on Tarawa and Abemama with discussion on role of trees in agriculture, as symbols of stability, as sources of useful products, and as components in the ecological system.

**Thibault, Jean-Claude and Isabelle Guyot**

1987. Recent Changes in the Avifauna of Makatea Island (Tuamotus, Central Pacific).

*A.R.B.* No. 300:1-13.

Documentation of changes in avifauna on Makatea that have resulted from phosphate mining and deforestation. Reference to endangered Society Islands Imperial Pigeon (*Ducula aurorae*). Bibliography and tables.

**Thomas, John Byron and Mary Durand Thomas**

1981. Meteorological Data from Ulul Island, Namonuito Atoll. *A.R.B.* No. 255:39-42.  
 Meteorological observations (temperatures, relative humidity, and rainfall) from Ulul Island, Namonuito Atoll in the Central Caroline Islands. Table.

**Tirvengadam, D. D. and R. Bour**

1985. Checklist of the Herpetofauna of the Mascarene Islands. *A.R.B.* No. 292:49-60.  
 Observations of reptiles and amphibians of Mascarene Islands including comment on subfossil collections and observations made by earlier expeditions. Maps, species list, bibliography.

**Tobin, Jack**

1952. Land Tenure in the Marshall Islands. *A.R.B.* No. 11:1-36.  
 Categories of land and land and marine resource ownership. Map, bibliography, lineage chart, glossary.

**Topp, J. M. W.**

1988. An Annotated Check List of the Flora of Diego Garcia, British Indian Ocean Territory. *A.R.B.* No. 313:1-19.  
 Description of Diego Garcia with check list of plants. Maps.

**Townsend, C. C.**

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**Tsuda, Roy T.**

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*A.R.B.* No. 105:1-13.

Study of marine benthic algae from Abemama, Marakei, Nonouti, Nukunau, Tamana, and Tarawa with goal of identifying sources of fish toxicity. Annotated list of blue- green, green, brown, and red algae from those islands. Bibliography.

1965. Marine Algae from Laysan Island with Additional Notes on the Vascular Flora.

*A.R.B.* No. 110:1-31.

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1966. Marine Benthic Algae From the Leeward Hawaiian Group. *A.R.B.* No. 115:1-13.

List of marine benthic algae from Nihoa, Necker, the French Frigate Shoals, Lisianski, Pearl and Hermes reef, and Kure atoll (Leeward islands of the Hawaiian chain). Bibliography.

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**Valencia, Mark J.**

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**Van Zwaluwenberg, R. H.**

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**Vine, Peter I.**

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**Wallace, Carden C. and M. B. Dale**

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**Wallace, Carden C. and E. R. Lovell**

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**Weber, Jon N. and Peter M. J. Woodhead**

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*A.R.B.* No. 157:1-21.

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**Weiss, Malcolm P.**

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**Wells, John W.**

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**Wentworth, C. K.**

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Ways of estimating the coarseness of sediments without specialized equipment.

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Preparing for safe, efficient, and unstressful camp life during field work on tropical islands.

**Wester, Lyndon**

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Discussion of diversity in flora of the various Line Islands -- remarkable in view of proximity of islands. History of scientific research and check list of plants. Bibliography.

**Whistler, W. A.**

1983. The Flora and Vegetation of Swains Island. *A.R.B.* No. 262:1-25.

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Bibliography, map, photographs.

**Whitton, B. A. and A. Donaldson**

1977. Terrestrial and Freshwater Algae of Three Western Indian Ocean Islands (Astove,

Farquhar, and St. Pierre). *A.R.B.* No. 216:1-8.

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**Whitton, B. A., A. Donaldson, D. J. Bellamy and C. Sheppard**

1977. Terrestrial and Swamp Algae from Three Islands in the Chagos Archipelago, Indian Ocean.

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Observations of terrestrial and freshwater (swamp) algae from Eagle, Egmont and Danger Islands. Bibliography and charts.

**Whitton, B. A. and M. Potts**

1977. Observation on Redox Potential in Freshwater Pools on Aldabra. *A.R.B.* No. 214:1-4.

Summary of further fresh water analyses on Aldabra from 1974- 1975 to determine redox potential changes with depth and time. Bibliography and table.

1979. Blue-Green Algae (Cyanobacteria) of the Oceanic Coast of Aldabra. *A.R.B.* No. 238:1-8.

Account of blue-green algae of Aldabra with discussion of habitats and distribution. Mention of relationship between *Lyngbya sordida* and shrimps in deep waters. Bibliography.

**Wickens, G. E.**

1979. The Propagules of the Terrestrial Flora of the Aldabra Archipelago, Western Indian Ocean.

*A.R.B.* No. 229:1-37.

Description of propagules of flora of Aldabra with notes on their presumed status, distribution, and information on long- distance and local dispersal. Bibliography and illustrations.

**Wiens, Herold J.**

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History of Kapingamarangi, description of topography, climate, currents, tides, vegetation, land fauna, agriculture, and livelihood of population. Reference to each islet. Tables and bibliography.

1957. Field Notes on Atolls Visited in the Marshalls, 1956. *A.R.B.* No. 54:1-23.

General description with an emphasis on vegetation of Ailinglaplap, Ailuk, Arno, Ebon, Jaluit, Kili, Kwajelein, Likiep, Majuro, Maloelap, Mejit, Namu, Rongelap, and Utirik.

1961. General Description of Storm Effects. In Blumenstock (editor) A Report on Typhoon Effects Upon Jaluit Atoll. *A.R.B.* No. 75:21-36.

Description of damage from Typhoon Ophelia on each islet in Jaluit.

**Wiles, G. J. and P. O. Glass**

1990. Interisland Movements of Fruit Bats (*Pteropus mariannus*) in the Mariana Islands.

*A.R.B.* No. 343:1-6.

Evaluation of reports that fruit bats fly between islands in the Northern Marianas. Suggestions that there are two subspecies of *Pteropus mariannus* in the Mariana Islands should be investigated. Bibliography, map.

**Williams, David G.**

1990. An Annotated Bibliography of the Natural History of the Cocos (Keeling) Islands, Indian Ocean. *A.R.B.* No. 331:1-17.

Bibliography of published work on biota of the Cocos (Keeling) Islands. Includes annotations and indices by keywords and first authors. Summary of literature on broad subjects.

**Williams, Ernest H., Lucy Bunkley-Williams**

1990. The World-Wide Coral Reef Bleaching Cycle and Related Sources of Coral Mortality. *A.R.B.* No. 335:1-71.

Proposal of explanations for three major and four minor coral bleaching events in the 1980's. Predictions of worse coral bleaching and dying cycles as global temperatures rise. Time chart, host lists, related events, questionnaire, bibliography.

**Wilson, B. R.**

1985. Notes on a Brief Visit to Seringapatam Atoll, North West Shelf, Australia.

*A.R.B.* No. 292:83-100.

Observations on the structure of the reef near Seringapatam Atoll and the marine fauna associated with the reef. Photographs, species lists, diagrams, bibliography.

**Wilson, J. R.**

1983. Ecology of Marie-Louise, Amirantes Islands. In Sachet, Stoddart, and Fosberg (editors) Floristics and Ecology of Western Indian Ocean Islands. *A.R.B.* No. 273:185-202.

Geology, soils, vegetation, and list of vascular plants and vertebrate terrestrial fauna from Marie-Louise Island in the Amirantes. Bibliography and map.

1983. Ecology of Desnoeuvs, Amirantes Islands. In Sachet, Stoddart, and Fosberg (editors) Floristics and Ecology of Western Indian Ocean Islands. *A.R.B.* No. 273:203-222.

Geology, soils, vegetation, and list of vascular plants and vertebrate terrestrial fauna from Desnoeuvs Island in the Amirantes. Bibliography and map.

**Wilson, Kenneth**

1954. Ecological and Floristic Notes on the Pteridophyta of Raroia. *A.R.B.* No. 33:57.

Notes on collections of ferns from Raroia.

**Woodroffe, C. D.**

1980. Mangrove Sediments of Little Cayman. In Stoddart and Giglioli (editors) Geography and Ecology of Little Cayman. *A.R.B.* No. 241:17-22.

Description of three types of mangrove sediments on Little Cayman. Diagrams.

1985. Vegetation and Flora of Nui Atoll, Tuvalu. *A.R.B.* No. 283:1-18.

General description of Nui Atoll, Tuvalu. Description of vegetation zones and systematic list of vascular plants sighted with reference to voucher specimens. Maps, photographs and bibliography.

**Woodward, Paul W.**

1972. The Natural History of Kure Atoll, Northwestern Hawaiian Islands. *A.R.B.* No. 164:1-317.

General description of Kure Atoll with emphasis on avifauna and nesting habits. Maps, charts, bibliography.

**Yaldwyn, J. C. and Kasimierz Wodzicki**

1979. Systematics and Ecology of the Land Crabs (Decapoda: Coenobitidae, Grapsidae and Gecarcinidae) of the Tokelau Islands, Central Pacific. *A.R.B.* No. 235:1-53.

Description of Tokelau Islands: climate, people, soils, vegetation, and fauna. Summary of systematics of land crabs noted in Tokelau. Native names. Notes on land crab ecology. Tables, figures, photographs, maps and bibliography.

**Zimmerman, E. C.**

1951. Notes on Needs for Entomological Research on Coral Atolls. *A.R.B.* No. 1:18.

Very short statement concerning lack of knowledge of insects on coral atolls.

**Zug, George R., Victor G. Springer, Jeffrey Williams and G. David Johnson**

1988. The Vertebrates of Rotuma and Surrounding Waters. *A.R.B.* No. 316:1-25.

Description of vertebrate fauna of Rotuma with remarks on habitats. Fish fauna has zoogeographic affinity with Pacific plate fish while reptile fauna has affinity with Fijian reptiles. Species lists and bibliography.

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# INDEX BY LOCATION AND TOPIC



## HOW TO USE THE INDEX BY LOCATION AND TOPIC

The following index is designed for researchers interested in geographic regions or specific islands. References are sorted primarily by the general area of the world, usually names of Oceans or Seas (e.g. Pacific or Mediterranean) or major near-by land masses (e.g. Australia and Central America). There are seven broad geographic regions designated: Australia, Caribbean, Central America, Indian Ocean, Malesia (the islands off Southeast Asia), Mediterranean, and Pacific.

Within each of these names of island groups and remote islands that lie outside any clear island group. Following the names of island groups are sometimes names of specific islands within those island groups. Some island groups are found in more than one general region. The cays off of Belize, for instance, are found both under Caribbean and Central America.

To look for any desired island, first find the general regional heading, then find its major island group or archipelago and then look to see if the particular island is listed. A few islands are listed separately if they are far from any well-known group. Such islands as Johnston Atoll, Clipperton, Cocos (Keeling), and Analega are listed without any inclusive island group or archipelago.

Such a hierarchical organization should make searches easier for people interested in a large region; all islands in an island group can be found close together in the index. There were many cases in which articles could not be neatly plugged into perfectly exclusive sets of geographic areas. Examples are articles on "Atolls of the Southwestern Caribbean", Islands of the "Western Pacific", and islands of the "Central Western Indian Ocean". These were placed both under the main headings, "Caribbean (in general)", "Pacific (in general)", and "Indian Ocean (in general)", respectively, as well as under the names given by the authors.

As a rule, geographic terms were used instead of political terms. For example, articles on Tarawa were indexed under Gilbert Islands rather than Kiribati and articles on Cosmoledo were indexed under Aldabra Group instead of Seychelles. I considered this policy more appropriate to research that is primarily biogeographic in nature since there is usually more specificity in archipelagos and island groups than in political units.

The solution to problem of changing place name spellings and new names vs old names for the same place was a matter of judgment in each individual case. In general, the current convention was used but older, still commonly-used names were usually given with a "see..." to guide the researcher. Thus someone looking for information on the Austral Islands will be rerouted to the "Tubuai Islands". In many cases, though, it was just as easy simply to duplicate listings under several place names

References listed under each place name are organized very generally according to subject matter. There is no consistency to these subject headings in the index. Instead they are meant only to give researchers a general idea of the scope of an article so that they can set priorities in their subsequent use of the contents list. Where there are dozens of references under a place name heading, a reference may be listed more than once if it covers several general topics.

References are composed simply of an abbreviated author name followed by the number and pages in the *Atoll Research Bulletin*. This gives just enough information to make the reference perfectly unique without taking up too much space. These references are even informative in and of themselves. From them researchers know who wrote an article, its length, and, roughly when it was written (knowing that it began in 1951 with number 1 and that this issue is number 347).

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Because many of the articles in the ARB concerned global problems on atolls, coral reefs, or other land and marine formations, there needs to be a separate index for these papers. Researchers particularly interested in categories of islands or in topics associated with general ocean or land forms might begin to look here.

The main headings in this index are geologic features. There are 10: Almost-Atolls; Islands (in general); Islands, tropical; Islands, Volcanic and other High Islands; Lagoons; Makatea; Reefs; and Tropics (in general). These are not at all mutually exclusive classes, but are terms used by authors and are better designators than terms arbitrarily ascribed to articles.

Under each of these ten major headings, the references are grouped according to topic. Terms used to describe the general topic are not perfectly consistent from reference across the index, but are intended to help the researcher sort through large numbers of references to set priorities in the use of the contents list.

References are composed simply of an abbreviated author name followed by the number and pages in the *Atoll Research Bulletin*. This gives just enough information to make the reference perfectly unique without taking up too much space. These references are even informative in and of themselves. From them researchers know who wrote an article, its length, and, roughly when it was written (knowing that it began in 1951 with number 1 and that this issue is number 347).

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## HOW TO USE THE INDEX BY TOPIC AND LOCATION/GEOLOGIC FEATURE

This index is meant for researchers whose primary interest is the topic of articles and who are secondarily interested in the geographic location. Like the index by location and topic, these headings are hierarchical.

There are 14 different main headings: Anthropology, Bibliography, Botany, Climate, Ecology, Economics, Geography, Geology, Health, History, Microbiology, Research, Research Methods, and Zoology. Because articles don't neatly fall within these categories, because many articles deal with several subjects, and because researchers may look under various headings for their interests, I did extensive cross-listing in this index.

Under each main heading there are more specific subheadings. As an example, "Fisheries" and "Phosphate Mining" fall under "Economics", and "Land Tenure" and "Material Culture" are found under "Anthropology".

For the two headings "Botany" and "Zoology", the systematic classification presents a readily applicable hierarchical indexing device. There is a crude adherence to this system, except where certain taxa are so frequently searched that a more prominent index position was in order. Thus I indexed *Acanthaster planci* independently from the other echinoderms and listed insects and crustaceans apart from the rest of the arthropods. Except for the algae and fungi, plants are not listed in any further hierarchical system. As a rule, articles that pertained to one taxon only (for example "Hemiptera", "*Acropora*", or "*Casuarina equisetifolia*") were indexed under those particular names, while lengthy lists of insects, coral species and plants that include these taxa were not.

Within each subheading, the references are sorted according to the geographic region or geologic feature to which they apply.

References are composed simply of an abbreviated author name followed by the number and pages in the *Atoll Research Bulletin*. This gives just enough information to make the reference perfectly unique without taking up too much space. These references are even informative in and of themselves. From them researchers know who wrote an article, its length, and, roughly when it was written (knowing that it began in 1951 with number 1 and that this issue is number 347).

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