Bibliographic data useful in the study of marine algae

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Special Scientific Report No. 29
Virginia Institute of Marine Science
Gloucester Point, Virginia
1962
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The following bibliographic and related data have been compiled for distribution to graduate students interested in marine algae and others to whom such information may be helpful.

References or lists are not complete in any of the categories into which this information is divided. An attempt has been made, however, to include most of the important items or sources. Suggestions for additions to any of these lists will be appreciated.

I. Local and Regional Floras and Monographs Useful in Identification

The following list applies to the Atlantic coast of the United States and especially to the southeastern coast, West Indies, and Gulf of Mexico. Several Pacific coast floras have been included, however.

Unfortunately, the majority of these publications are out of print and rarely listed by used book dealers so that library copies must be relied upon.

Comments following some of the publications listed indicate the geographical application and opinion as to relative usefulness.

A. For Bluegreens


This is a valuable new work on the bluegreen algae and, while it is concerned with the bluegreens of India, their remarkably wide distribution renders it a very useful means of identification and general reference to those of North America. Part I deals with morphology and ecology in general; Part II deals with taxonomy. There are keys to genera and species, descriptions, illustrations of every species treated, habitat notes or collection localities for each, and an extensive bibliography. Since the author does not accept Drouet and Daily's (1956) "Revision of the coccoid Myxophyceae", the section dealing with
this group includes many invalid genera and species separated on the most trivial characters, from the viewpoint of those who follow Drouet and Daily's treatment.


A basic reference for bluegreens from anywhere, with many illustrations.


A very useful reference. It contains keys, illustrations to almost all species listed, detailed descriptions and habitat records. Many of the coccoid species have been reduced to synonymy by Drouet and Daily's monograph. There are a few marine species (filamentous) known for the U. S. which are not listed in this work. Occasional in used book lists.

B. For Other Groups


This is an excellent work with detailed descriptions and discussion of most species and many illustrations. It is very useful for Florida algae as well as for the West Indies and Caribbean Sea. Until 1958, it was available as separates from the publisher, but it is apparently out of print now except for Frémy's contribution, part IV (listed on p. 2).


This work is very useful in the western North Atlantic and apparently still available from the publisher.


A useful supplementary reference for algae of the general area.

Collins, F. S. 1909-18. The green algae of North America. Tufts Coll. Stud. 2(3):79-480, 18 pls., 1909. First Suppl. ibid. 3(2): 71-109, 2 pls., 1912; Second Suppl. ibid. 4(7):1-106, 3 pls., 1918. (Also issued as a separate both with and without the supplements. A photographic reprint from Stechert-Hafner has the pages numbered from 1 but the index refers to the original page numbers.)

This is a classic for both marine and fresh-water green algae, with excellent keys and descriptions. Out of print.


Contains useful keys. Out of print but occasionally available from a used book dealer.


There is a good introductory section, descriptions, and many good illustrations, but no keys.


This early work on New England algae is still useful.


These works of Hamel, published in sections, are often very useful when working with algae of the Atlantic coast of the United States.


This work is a classic and contains original descriptions of some marine algae from both Atlantic and Pacific coasts of the United States. Most frequently available as separates, and listed by used book dealers fairly often.


While the Collins and Hervey work on Bermuda algae (1917) is more useful, this is a valuable companion reference. The book is out of print and hard to locate. Laurencia poitei and L. corallopsis are new combinations here.


Useful keys, no descriptions or illustrations. An important reference (like the one above) for Florida algae. The key to the genus Sargassum is of special value. Apparently the book is still available from the New York Botanical Garden.


An excellent work on the algae of the middle Atlantic states and useful with Florida algae. An artificial key to the genera, separate species keys, descriptions, illustrations, and an informative introductory part are included. Out of print. Separates are scarce but the work is usually obtainable by purchasing volume 36 of the Bulletin from a used book dealer.


The above two contain keys, descriptions and illustrations.


The above is a classic work on arctic algae and contains some excellent illustrations.


This is a facsimile edition done in 1905 in Germany. The first edition of this work is very rare. Many of the algal names listed are synonyms and there are no keys, illustrations, or descriptions; hence it is of little use in identification, but it is a source of distribution data.


Many new species are described.


This monograph renders obsolete all treatments of Codium from the area involved prior to 1960. Taylor (1960) bases his treatment on this paper.


A most useful reference for California algae and a book that sets a new standard of excellence in typography and quality of illustrations among publications on algae. Almost every species listed is illustrated.


Although the author's collecting was confined mostly to the Tortugas, he included nearly all algae reported for Florida in the literature. The descriptions are brief and cryptic but there are useful keys and many illustrations.


This is a supplement to the 1928 paper and lists a number of species reported in the literature but omitted from the above.


This paper is based upon spotty collecting in the Caribbean, as the expedition permitted. The inclusion of keys suggests that it is a representative flora of the area, which is hardly the case. The keys are useful, however, and the book is a valuable companion reference to the Florida work of 1928. Out of print.


Useful in determinations of tropical Pacific algae and, in some genera, for Atlantic algae also. Many keys and illustrations.


The most useful reference for identification of the marine algae of the region from Norfolk to Labrador. It is also a help for the middle Atlantic coast of the U. S., and to a limited extent in Florida. The keys, descriptions, illustrations are excellent.


These plates, in natural color, are among the most beautiful and realistic ever published of marine algae. The book was privately published under the supervision of Miss Shaw after the death of Anna Vickers and only 300 copies were done. Nevertheless it is often available through used book dealers, especially in Amsterdam, at $15 to $17. It deals only with browns and greens.


Though not written as an aid to identification, it adds considerably to the marine algal flora of N. C.

II. Classical Taxonomic Works


Agardh, J. G. 1872-90. Till algernes systematik. Published in sections in Lunds Univ. Arsskr., vols. 9-26, and also as separates.


This work contains an excellent "Catalogue of Authors" on pages lxxiii-lxxxviii, a valuable bibliography of early algologists.


The plates come before the text. Explanation of the plates is in the Roman-numbered pages.


A monumental work of algal illustrations.


Superb illustrations in an over-size book.
III. Bibliographic References

Biological Abstracts, 1926-
De Toni, J. B., Bibliographica algologica universalis.
Phycological Society Bulletin. (Bibliography of recent papers compiled by P. C. Silva).
Revue Algologique, 1924-
Tilden, Josephine. Index algarum universalis. Minneapolis, Minn., 1915-1936

IV. Algological Journals

While most papers in marine algae are published in journals of more general nature, the following are restricted to algae.

Botanica Marina, 1959-
International Seaweed Symposia, Proceedings, 1952-
Notarisia
Nova Hedwigia, 1960-
La Nuova Notarisia, 1890-1925.
Phycologia, 1961-
Phycological Society Bulletin
Revue Algologique, 1924-
Scientific Papers, Institute for Algological Research, Hokkaido Imperial University, 1935-

V. Important Libraries for Marine Algological References

New York Botanical Garden
Farlow Herbarium, Harvard University
Marine Biological Laboratory, Woods Hole, Massachusetts
University of California, Berkeley
Library of Congress
VI. Nomenclatural Starting Points

Linnaeus. Species plantarum, 1872. (For all algae except the groups indicated below.)

Gomont, M. Monographie des Oscillariées, 1892.

Bornet and Flahault. Revision des Nostocacees heterocystées, 1886-88.


VII. Rules of Botanical Nomenclature


VIII. Used Book Dealers Who May Be a Source of Out-of-Print Books in Algae

A. Asher & Co., 386 Heerengracht, Amsterdam-C, Holland

F. N. Bassett, 722 N. Orange Drive, Los Angeles 38, California

Botanical Books, 3066 Georgia Street, Oakland 2, California

Bowes & Bowes, 1 and 2 Trinity Street, Cambridge, England

E. J. Brill, Oude Rijn 33a-35, Leiden, Holland

John Q. Burch, 4206 Halldale Avenue, Los Angeles 62, California

Henry Cork, 73 Queenswood Road, Forest Hill, London S.E. 23, England

J. Cramer, P.O. Box 166 Weinheim/Bergstr., Germany
Cromwell Bookshop, 142 High Street, Hounslow, Middlesex, England
Francis Edwards, Ltd., 83 Marlebone High Street, London W.1, England
Henry George Fiedler, 31--33 East 10th Street, New York 3, New York
Buchhandlung Gustav Fock, Sternwartenstrasse 8, Leipzig D 1, Germany
W. & G. Foyle, Ltd., 119 Charing Cross Road, London W. C. 2, England
W. Heffer & Sons, Ltd., Petty Curry, Cambridge, England
Andr. Fred Høst & Son, Bredgade 35, Kobenhavn-K, Denmark
International Antiquariaat (M. Hertzberger), Keizersgracht 610, Amsterdam-C, Holland
John Johnson, Green Hill Farm, Bennington RFD 2, Vermont
Antiquariaat Junk (Dr. R. Schierenberg), Lochem, Holland
Koehlers Antiquarium, Leninstrasse 16, Leipzig C 1, Germany
Otto Koeltz, Koenigstein-Taurus, Heernwaldstrasse 6, W. Germany
Paul Lechevalier, 12, Rue de Tournon, Paris 6, France
Eric Lundberg, Laurel, Florida
Lynge & Son, Lovstraede 10, Kobenhaven-K, Denmark
Fred J. Pierce, Winthrop, Iowa
Bernard Quaritch, Ltd., 11 Grafton Street, New Bond Street, London W. 1, England
Henry Sotheran, 2-5 Sackville Street, Piccadilly, London W. 1, England
Wheldon & Wesley, Ltd., Lytton Lodge, Codicote, nr. Hitchin, Herts., England