

Bibliography of Marine Benthic Algae in Micronesia¹

ROY T. TSUDA and FRIEDA O. WRAY

*The Marine Laboratory, University of Guam, P. O. Box EK,
Agana, Guam 96910*

Abstract.—A bibliography of marine benthic algae reported from Micronesia is presented in four sections—I. Classification of Micronesian algae, II. Species-reference index, III. Island-reference index, and IV. References.

Introduction

In 1966, the senior author prepared a preliminary bibliography (Tsuda, 1966) of those papers pertinent to the marine benthic algae in Polynesia and Micronesia and this was issued as a technical report of the Hawaii Institute of Marine Biology. Since 1967, the senior author has focused much of his attention to the algae of the Micronesian region and, thus, has continued to accumulate references pertinent to the algae in this region. In addition, a few of the references not cited in the 1966 report have been found through the persistent search in Pacific related journals by the junior author.

The bibliography presented here represents all of the algal references that we believe are pertinent to the Micronesian region. We, however, would greatly appreciate your calling our attention to any references we may have missed. In this paper, we are defining the Micronesian region to encompass five island groups—Mariana Islands, Caroline Islands, Marshall Islands, Gilbert Islands and Ellice Islands.

The Micronesian algal bibliography consists of four sections which researchers, even the nonphycologists, should find useful. The first section (I. Classification of Micronesian Algae) provides a listing of the classes, orders, families and genera of those marine benthic algae reported in published papers under each of the four major Divisions—Cyanophyta, Chlorophyta, Phaeophyta and Rhodophyta.

The second section (II. Species-Reference Index) provides an alphabetized checklist of all algal species reported from published papers and the references which mention the species in Micronesia. Synonyms are enclosed in brackets wherever appropriate. Species reported in technical reports or other unpublished

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reports are not included. All species described as new from Micronesia are designated in boldface and the type locality is cited in parenthesis. Researchers who are interested in a particular species can merely search this listing and find the pertinent reference, if any. Those individuals who are interested in the various species within a particular family or order need only to examine the generic names in section I and subsequently obtain the pertinent references from section II.

The third section (III. Island-Reference Index) provides a listing of all the islands or atolls where algae have been reported under their respective Island groups. In the case of the large island chain of the Caroline Islands, the islands and atolls are listed under their geographical and political Districts. In this section, both published and unpublished accounts are cited after each island or atoll. The reason for including unpublished reports here is that useful information is contained here which will be of interest to those visiting a particular island or atoll.

The fourth section (IV. References) provides an alphabetized listing of all references pertinent to the marine benthic algae of Micronesia. References discussing phytogeographic trends of Micronesian algae (Doty, 1962; Hackett, 1969; Silva, 1962; Taylor, 1950a; and Yamada, 1926) are also included even though species or specific islands and atolls may not be mentioned.

I. Classification of Micronesian Algae

Division CYANOPHYTA (blue-green algae)

Class CYANOPHYCEAE

Order Chroococcales

FAMILY CHAMAESIPHONACEAE (*Entophysalis*).

FAMILY CHROOCOCCACEAE (*Agmenellum*, *Anacystis*, *Coccochloris*, *Gloeocapsa*, *Gomphosphaeria*).

Order Oscillatoriales

FAMILY OSCILLATORIACEAE (*Arthrospira*, *Hydrocoleum*, *Lyngbya*, *Microcoleus*, *Oscillatoria*, *Phormidium*, *Plectonema*, *Porphyrosiphon*, *Schizothrix*, *Sirocoleum*, *Spirulina*, *Symploca*).

FAMILY NOSTOCACEAE (*Hormothamnion*).

FAMILY RIVULARIACEAE (*Brachytrichia*, *Calothrix*, *Dichothrix*, *Rivularia*).

FAMILY SCYTONEMATAACEAE (*Scytonema*, *Tolypothrix*).

FAMILY STIGONEMATAACEAE (*Fischerella*, *Mastigocoleus*).

Division CHLOROPHYTA (green algae)

Class CHLOROPHYCEAE

Order Tetrasporales

FAMILY CHLORANGIACEAE (*Collinsiella*).

FAMILY PALMELLACEAE (*Palmogloea*).

Order Ulotrichales

FAMILY CHAETOPHORACEAE (*Entocladia*, *Ulvella*).

- FAMILY GOMONTIACEAE (*Gomontia*).
 FAMILY PROTOCOCCACEAE (*Protococcus*).
 FAMILY ULVACEAE (*Enteromorpha*, *Ulva*).

Order Siphonales

- FAMILY BRYOPSIDACEAE (*Bryopsis*).
 FAMILY CAULERPACEAE (*Caulerpa*).
 FAMILY CODIACEAE (*Avrainvillea*, *Chlorodesmis*, *Codium*, *Geppella*, *Hali-
 meda*, *Pseudochlorodesmis*, *Rhipilia*, *Tydemannia*, *Udotea*).
 FAMILY DERBESIACEAE (*Derbesia*).
 FAMILY DICHOTOMOSIPHONACEAE (*Pseudodichotomosiphon*).
 FAMILY PHYLLOSIPHONACEAE (*Ostreobium*).

Order Siphonocladales

- FAMILY BOODLEACEAE (*Boodlea*, *Boodleopsis*, *Struvea*).
 FAMILY SIPHONOCRADACEAE (*Cladophoropsis*, *Siphonocladus*, *Spongo-
 cladia*).
 FAMILY VALONIAACEAE (*Boergesenia*, *Dictyosphaeria*, *Valonia*, *Valoniop-
 sis*).

Order Dasycladales

- FAMILY DASYCLADACEAE (*Acetabularia*, *Bornetella*, *Halicoryne*, *Neo-
 meris*).

Order Cladophorales

- FAMILY ANADYOMENACEAE (*Anadyomene*, *Microdictyon*, *Rhipidiphyl-
 lon*).
 FAMILY CLADOPHORACEAE (*Chaetomorpha*, *Cladophora*, *Rhizoclonium*).

Division PHAEOPHYTA (brown algae)

Class PHAEOPHYCEAE

Order Ectocarpales

- FAMILY ECTOCARPACEAE (*Ectocarpus*, *Feldmannia*).
 FAMILY RALFSIACEAE (*Ralfsia*).

Order Sphacelariales

- FAMILY SPHACELARIAACEAE (*Sphacelaria*).

Order Dictyotales

- FAMILY DICTYOTACEAE (*Dictyopteris*, *Dictyota*, *Dilophus*, *Lobophora*,
Padina, *Spatoglossum*, *Stypopodium*, *Zonaria*).

Order Scytosiphonales

- FAMILY SCYTOSIPHONACEAE (*Colpomenia*, *Hydroclathrus*, *Rosenvingea*).

Order Dictyosiphonales

- FAMILY CHNOOSPORACEAE (*Chnoospora*)

Order Fucales

- FAMILY NOTHEIACEAE (*Notheia*).
 FAMILY SARGASSACEAE (*Sargassum*, *Turbinaria*).

Division RHODOPHYTA (red algae)

Class BANGIOPHYCEAE

Order Bangiales

FAMILY ERYTHROPELTIDACEAE (*Erythrotrichia*).

Order Porphyridiales

FAMILY GONIOTRICHACEAE (*Asterocystis*, *Goniotrichum*).

Class FLORIDEOPHYCEAE

Order Nematiales

FAMILY ACROCHAETIACEAE (*Acrochaetium*, *Kylinia*).FAMILY BONNEMAISONIACEAE (*Asparagopsis*).FAMILY CHAETANGIACEAE (*Actinotrichia*, *Galaxaura*).FAMILY GELIDIACEAE (*Gelidiella*, *Gelidium*, *Pterocladia*, *Wurdemannia*).FAMILY HELMINTHOCLADIACEAE (*Liagora*).

Order Cryptonemiales

FAMILY CORALLINACEAE (*Amphiroa*, *Cheilosporum*, *Choreonema*, *Coralina*, *Fosliella*, *Heteroderma*, *Hydrolithon*, *Jania*, *Lithophyllum*, *Lithoporella*, *Lithothamnion*, *Mastophora*, *Mesophyllum*, *Neogoniolithon*, *Porolithon*, *Sporolithon*).FAMILY CRYPTONEMIACEAE (*Grateloupia*, *Halymenia*).FAMILY DUMONTIACEAE (*Gibsmithia*).FAMILY HILDENBRANDIACEAE (*Hildenbrandia*).FAMILY PEYSSONELIACEAE (*Cruoriella*, *Peyssonelia*).FAMILY RHIZOPHYLLIDACEAE (*Desmia*).

Order Gigartinales

FAMILY DICRANEMACEAE (*Dicranema*).FAMILY FURCELLARIACEAE (*Halarachnion*).FAMILY GRACILARIACEAE (*Ceratodictyon*, *Gelidiopsis*, *Gracilaria*).FAMILY HYPNEACEAE (*Hypnea*).FAMILY SOLIERIACEAE (*Eucheuma*).

Order Rhodymeniales

FAMILY CHAMPIACEAE (*Champia*, *Chylocladia*, *Lomentaria*).FAMILY RHODYMENIACEAE (*Botryocladia*, *Chrysomenia*, *Coelarthrum*, *Coelothrix*, *Erythrocolon*, *Rhodymenia*).

Order Ceramiales

FAMILY CERAMIACEAE (*Acanthophora*, *Amansia*, *Antithamnion*, *Callithamnion*, *Centroceras*, *Ceramium*, *Corynospora*, *Crouania*, *Dasyphila*, *Endosiphonia*, *Griffithsia*, *Haloplegma*, *Herposiphonia*, *Leveillea*, *Lophosiphonia*, *Mesothamnion*, *Murrayella*, *Polysiphonia*, *Spermathamnion*, *Spyridia*, *Symphyocladia*, *Taenioma*, *Tolypiocladia*, *Wrangelia*).FAMILY DASYACEAE (*Dasya*, *Dasyopsis*, *Dictyurus*).FAMILY DELESSERIACEAE (*Caloglossa*, *Cottoniella*, *Hypoglossum*, *Martensia*, *Vanvoorstia*).FAMILY RHODOMELACEAE (*Abbottella*, *Bostrychia*, *Chondria*, *Dawsoniella*, *Laurencia*, *Malaconema*, *Womersleyella*).

II. Species-Reference Index

Division CYANOPHYTA

- Agmenellum quadruplicatum* (Menegh.) Breb.—Catala (1957), May (1966).
Anacystis aeruginosa (Zanard.) Dr. & Daily—Newhouse (1969).
Anacystis dimidiata (Kütz.) Dr. & Daily—Catala (1957), Dawson (1957), Drouet and Daily (1956), May (1966), Moul (1957).
Anacystis montana (Lightf.) Dr. & Daily—Catala (1957), Drouet and Daily (1956), May (1966), Moul (1957), Trono (1968).
Anacystis thermalis Dr. & Daily—Catala (1957), Drouet and Daily (1956), May (1966).
Arthrospira brevis (Kütz.) Drouet—Drouet (1968).
Brachytrichia quoyi (C. Ag.) B. & Fl.—Kanda (1944).
Calothrix confervicola Ag. [= *Calothrix crustacea* Schousboe & Thuret sensu Drouet, 1973]—Belk and Belk (1975), Chapman (1955), Trono (1968), Tsuda (1972c), Tsuda and Belk (1972).
Calothrix crustacea Schousboe & Thuret—Bakus (1967), Dawson (1957), Drouet (1973), Glassman (1952), Newhouse (1969), Trono (1968), Tsuda (1964), Tsuda and Bryan (1973), Tsuda and Kami (1973), Webb et al. (1975), Wiebe et al. (1975).
Calothrix parietina (Nag.) Thur.—Taylor (1950b).
Calothrix pilosa Harv. [= *Scytonema hofmannii* Ag. sensu Drouet, 1973]—Belk and Belk (1975), Bryan (1974), May (1966), Moul (1957), Newhouse (1969), Trono (1968), Tsuda and Belk (1972).
Calothrix scopulorum (Web. & Mohr) Ag. [= *Calothrix crustacea* Schousboe & Thuret sensu Drouet, 1973]—Taylor (1950b).
Coccolchloris elabens (Breb.) Dr. & Daily—Catala (1957), Drouet and Daily (1956), May (1966).
Coccolchloris stagnina Sprengel—Dawson (1957), Drouet and Daily (1956), Moul (1957), Newhouse (1969).
Dichothrix bornetiana Howe—Newhouse (1969).
Entophysalis conferta (Kütz.) Dr. & Daily—Belk and Belk (1975), Dawson (1957), Moul (1957), Newhouse (1969).
Entophysalis crustacea (J. Ag.) Dr. & Daily—Moul (1957).
Entophysalis deusta (Menegh.) Dr. & Daily—Dawson (1957), Drouet and Daily (1956), Moul (1957), Newhouse (1969), Trono (1968), Tsuda et al. (1972).
Entophysalis granulosa Kütz.—Taylor (1950b).
Fischerella ambigua (Nag.) Gomont—Moul (1957), Taylor (1950b).
Gloeocapsa alpicola (Lyngb.) Bornet [= *Anacystis montana* (Lightf.) Dr. & Daily sensu Drouet and Daily, 1956]—Taylor (1950b).
Gloeocapsa turgida (Kütz.) Hollenbach [= *Anacystis dimidiata* (Kütz.) Dr. & Daily sensu Drouet and Daily, 1956]—Taylor (1950b).
Gomphosphaeria aponina Kütz.—Dawson (1957), Drouet and Daily (1956), Taylor, (1950b).
Hormothamnion enteromorphaoides B. & Fl.—Bryan (1975), Dawson (1957), Gil-

- martin (1960), Newhouse (1969), Taylor (1950b), Trono (1968), Tsuda (1964), Tsuda and Bryan (1973), Webb et al. (1975).
- Hormothamnion solutum* B. & Fl.—Belk and Belk (1975), Tsuda (1972c), Tsuda and Belk (1972), Tsuda and Kami (1973).
- Hydrocoleum cantharidosmum* (Mont.) Gomont [= *Microcoleus lyngbyaceus* (Kütz.) Crouan sensu Drouet, 1968]—Taylor (1950b), Tsuda (1964).
- Hydrocoleum coccineum* Gomont [= *Microcoleus lyngbyaceus* (Kütz.) Crouan sensu Drouet, 1968]—Chapman (1955), Dawson (1957), Newhouse (1969), Taylor (1950b).
- Hydrocoleum comoides* (Harv.) Gomont [= *Microcoleus lyngbyaceus* (Kütz.) Crouan sensu Drouet, 1968]—Dawson (1957), Gilmartin (1960), Taylor (1950b).
- Hydrocoleum confluens* (S. & G.) Drouet [= *Oscillatoria lutea* Ag. sensu Drouet, 1968]—Taylor (1950b).
- Hydrocoleum floccosum* (Hauck) Gomont [= *Microcoleus lyngbyaceus* (Kütz.) Crouan sensu Drouet, 1968]—Moul (1957).
- Hydrocoleum glutinosum* (C. Ag.) Gomont [= *Microcoleus lyngbyaceus* (Kütz.) Crouan sensu Drouet, 1968]—Dawson (1957), Gilmartin (1960), Newhouse (1969).
- Hydrocoleum lyngbyaceum* Kütz. [= *Microcoleus lyngbyaceus* (Kütz.) Crouan sensu Drouet, 1968]—Chapman (1955), Dawson (1957), Newhouse (1969), Trono (1968), Tsuda (1964).
- Lyngbya aestuarii* (Mert.) Lyngb. [= *Microcoleus lyngbyaceus* (Kütz.) Crouan sensu Drouet, 1968]—Dawson (1957), Moul (1957), Taylor (1950b), Trono (1968), Tsuda (1964).
- Lyngbya confervoides* C. Ag. [= *Microcoleus lyngbyaceus* (Kütz.) Crouan sensu Drouet, 1968]—Chapman (1955), Dawson (1957), Moul (1957), Newhouse (1969), Taylor (1950b), Trono (1968).
- Lyngbya gracilis* (Menegh.) Rabenhorst [= *Schizothrix mexicana* Gomont sensu Drouet, 1968]—Dawson (1957), Newhouse (1969), Taylor (1950b).
- Lyngbya guaymensis* Drouet [= *Schizothrix calcicola* (Ag.) Gomont sensu Drouet, 1968]—Moul (1957).
- Lyngbya lutea* (Ag.) Gomont [= *Oscillatoria lutea* Ag. sensu Drouet, 1968]—Glassman (1952), Newhouse (1969), Tsuda (1964).
- Lyngbya majuscula* (Dillw.) Harv. [= *Microcoleus lyngbyaceus* (Kütz.) Crouan sensu Drouet, 1968]—Chapman (1955), Dawson (1957), Gilmartin (1960), Kanda (1944), Newhouse (1969), Okamura (1904), Reinbold (1901), Taylor (1950b), Tokida (1939a), Trono (1968).
- Lyngbya meneghiniana* (Kütz.) Gomont [= *Microcoleus lyngbyaceus* (Kütz.) Crouan sensu Drouet, 1968]—Dawson (1957), Moul (1957), Taylor (1950b).
- Lyngbya semiplena* (Ag.) J. Ag. [= *Microcoleus lyngbyaceus* (Kütz.) Crouan sensu Drouet, 1968]—Catala (1957), Chapman (1955), Dawson (1957), May (1966), Moul (1957), Tsuda (1964).
- Lyngbya sordida* (Zanard.) Gomont [= *Schizothrix mexicana* Gomont sensu Drouet,

- 1968]—Dawson (1957), Gilmartin (1960), Moul (1957), Newhouse (1969), Taylor (1950b).
- Lyngbya versicolor* (Wartm.) Gomont [= *Schizothrix calcicola* (Ag.) Gomont sensu Drouet, 1968]—Catala (1957), May (1966), Moul (1957).
- Mastigocoleus testarum* (Lagerh.) B. & Fl.—Emery et al. (1954), Newhouse (1969), Tsuda (1964).
- Microcoleus acutissimus* Gardn. [= *Schizothrix tenerrima* (Gomont) Drouet sensu Drouet, 1968]—Taylor (1950b).
- Microcoleus chthonoplastes* (Mert.) Zanard. [= *Schizothrix arenaria* (Berk.) Gomont sensu Drouet, 1968]—Moul (1957), Newhouse (1969), Trono (1968), Tsuda (1964).
- Microcoleus lyngbyaceus* (Kütz.) Crouan—Belk and Belk (1975), Bryan (1975), Drouet (1968), Tsuda (1971, 1972c), Tsuda and Bryan (1973), Tsuda and Kami (1973), Tsuda et al. (1972, In Press).
- Microcoleus tenerrimus* Gomont [= *Schizothrix tenerrima* (Gomont) Drouet sensu Drouet, 1968]—Dawson (1957), Newhouse (1969).
- Oscillatoria amphibia* Ag. [= *Schizothrix calcicola* (Ag.) Gomont sensu Drouet, 1968]—Newhouse (1969).
- Oscillatoria chalybea* Mert. [= *Porphyrosiphon notarisii* (Menegh.) Kütz. sensu Drouet, 1968]—Newhouse (1969).
- Oscillatoria lutea* C. Ag.—Drouet (1968).
- Oscillatoria margaritifera* Kütz. [= *Microcoleus lyngbyaceus* (Kütz.) Crouan sensu Drouet, 1968]—Newhouse (1969).
- Oscillatoria nigro-viridis* Thw. [= *Porphyrosiphon notarisii* (Mench.) Kütz. sensu Drouet, 1968]—Catala (1957), Chapman (1955), Dawson (1957), May (1966), Moul (1957).
- Oscillatoria submembranacea* Ard. & Straff.—Drouet (1968).
- Phormidium corium* (Ag.) Kütz. [= *Schizothrix rubella* Gomont sensu Drouet, 1968]—Chapman (1955).
- Phormidium crosbyanum* Tilden [= *Schizothrix calcicola* (Ag.) Gomont sensu Drouet, 1968]—Dawson (1957), Moul (1957), Taylor (1950b), Trono (1968).
- Phormidium penicillatum* Gomont [= *Oscillatoria submembranacea* Ard. & Straff. sensu Drouet, 1968]—Dawson (1957), Newhouse (1969), Taylor (1950b).
- Phormidium valderianum* Gomont [= *Schizothrix calcicola* (Ag.) Gomont sensu Drouet, 1968]—Moul (1957).
- Plectonema golenkinianum* Gomont [= *Schizothrix calcicola* (Ag.) Gomont sensu Drouet, 1968]—Taylor (1950b).
- Plectonema nostocorum* Bornet [= *Schizothrix calcicola* (Ag.) Gomont sensu Drouet, 1968]—Catala (1957), Dawson (1957), May (1966), Moul (1957), Taylor (1950b).
- Plectonema terebrans* B. & Fl. [= *Schizothrix calcicola* (Ag.) Gomont sensu Drouet, 1968]—Dawson (1957), Emery et al. (1954).
- Porphyrosiphon notarisii* (Mench.) Kütz.—Drouet (1968), Newhouse (1969).
- Rivularia atra* Roth—Dawson (1957).

- Rivularia polyotis* (J. Ag.) B. & Fl.—Dawson (1957), Newhouse (1969).
- Schizothrix calcicola* (Ag.) Gomont—Bakus (1967), Belk and Belk (1975), Bryan (1975), Cooper (1964), Drouet (1968), Marsh (1974), Newhouse (1969), Taylor (1950b), Trono (1968), Tsuda (1964, 1972c), Tsuda and Bryan (1973), Tsuda and Kami (1973), Tsuda et al. (1972).
- Schizothrix cresswellii* Harv. [= *Schizothrix calcicola* (Ag.) Gomont sensu Drouet, 1968]—Moul (1957), Taylor (1950b).
- Schizothrix heufferi* Grun. [= *Schizothrix calcicola* (Ag.) Gomont sensu Drouet, 1968]—Moul (1957).
- Schizothrix lacustris* A. Br. [= *Schizothrix calcicola* (Ag.) Gomont sensu Drouet, 1968]—Catala (1957), Dawson (1957), May (1966), Taylor (1950b).
- Schizothrix longiarticulata* Gardn. [= *Schizothrix arenaria* (Berk.) Gomont sensu Drouet, 1968]—Newhouse (1969), Taylor (1950b).
- Schizothrix mexicana* Gomont—Belk and Belk (1975), Bryan (1975), Drouet (1968), Tsuda (1972c), Tsuda and Belk (1972), Tsuda and Bryan (1973), Tsuda and Kami (1973), Tsuda et al. (1972).
- Schizothrix tenerrima* (Gomont) Dr.—Drouet (1968).
- Scytonema figuratum* Ag. [= *Scytonema hofmannii* Ag. sensu Drouet, 1973]—Glassman (1953).
- Scytonema guyanense* (Mont.) B. & Fl. [= *Scytonema hofmannii* Ag. sensu Drouet, 1973]—Moul (1957).
- Scytonema hofmannii* Ag.—Drouet (1973), Glassman (1952), Moul (1957), Newhouse (1969).
- Scytonema mirabile* (Dillw.) Bornet [= *Scytonema hofmannii* Ag. sensu Drouet, 1973]—Newhouse (1969).
- Scytonema myochrous* (Dillw.) C. Ag. [= *Scytonema hofmannii* Ag. sensu Drouet, 1973]—Dawson (1957), Taylor (1950b).
- Scytonema polycystum* B. & Fl. [= *Scytonema hofmannii* Ag. sensu Drouet, 1973]—Dawson (1957), Gilmartin (1960).
- Sirocoleum guianense* Kütz. [= *Schizothrix arenaria* (Berk.) Gomont sensu Drouet, 1968]—Taylor (1950b).
- Sirocoleum kurzii* (Zell.) Gomont [= *Porphyrosiphon kurzii* (Zell.) Drouet, 1968]—Newhouse (1969).
- Spirulina major* Kütz. [= *Spirulina subsalsa* Oersted sensu Drouet, 1968]—Dawson (1957).
- Spirulina subsalsa* Oersted—Belk and Belk (1975), Catala (1957), Dawson (1957), Drouet (1968), Gilmartin (1960), May (1966), Newhouse (1969), Stone (1966), Trono (1968), Tsuda (1972c), Tsuda and Belk (1972), Tsuda et al. (1972).
- Spirulina tenerrima* Kütz. [= *Spirulina subsalsa* Oersted sensu Drouet, 1968]—Dawson (1957).
- Symploca hydroides* (Harv.) Kütz. [= *Schizothrix mexicana* Gomont sensu Drouet, 1968]—Dawson (1957), May (1966), Newhouse (1969), Trono (1968), Tsuda (1964).

- Symploca laete-viridis* Gomont [= *Schizothrix arenaria* (Berk.) Gomont sensu Drouet, 1968]—Dawson (1957), Gilmartin (1960), Taylor (1950b).
Symploca muscorum (C. Ag.) Gomont [= *Oscillatoria retzii* Ag. sensu Drouet, 1968]—Taylor (1950b).
Tolypothrix byssoidea (Berk.) Kirchner [= *Scytonema hofmannii* Ag. sensu Drouet, 1973]—Taylor (1950b) as *Hassallia byssoidea* (Berk.) Hassall and *H. byssoidea* f. *saxicola* Grunow.

Division CHLOROPHYTA

- Acetabularia clavata* Yamada—Trono (1968), Tsuda (1972c).
Acetabularia exigua Solms-Laubach—Dawson (1956), Trono (1968).
Acetabularia moebii Solms-Laubach—Dawson (1956, 1957), Gilmartin (1960), Trono (1968), Tsuda (1964).
Acetabularia parvula Solms-Laubach—Abbott (1961), Chapman (1955), Newhouse (1969), Taylor (1950b).
Anadyomene wrightii Gray—Abbott (1961), Dawson (1956, 1957), Kanda (1942, 1944), Newhouse (1969), Okamura (1916), Schmidt (1928).
Avrainvillea amadelpa Gepp—Newhouse (1969).
Avrainvillea erecta A. & E. S. Gepp—Kanda (1940a, 1944), Schmidt (1928), Trono (1968).
Avrainvillea hollenbergii Trono, 1971 (Ifaluk, Carolines).
Avrainvillea lacerata Harvey—Dawson (1957), Doty (1954), Kanda (1944), Taylor (1950b), Trono (1968), Tsuda and Belk (1972).
Avrainvillea nigricans Decaisne—Dawson (1956), Gilmartin (1960), Taylor (1950b), Trono (1968).
Avrainvillea obscura J. Ag.—Abbott (1961), Bryan (1975), Cloud (1959), Schmidt (1928), Taylor (1950b, 1966).
Avrainvillea pacifica Gepp—Chapman (1955), Dawson (1962), Schmidt (1928).
Avrainvillea papuana (Zand.) Murray—Reinbold (1901).
Boergesenia forbesii (Harv.) Feldmann [= *Valonia forbesii* Harv.]—Bryan (1975), Dawson (1957), Schmidt (1928), Taylor (1950b), Trono (1968), Tsuda (1972c).
Boodlea coacta (Dickie) Murray & de Toni—Okamura (1916), Schmidt (1928).
Boodlea composita (Harv.) Brand—Abbott (1961), Bryan (1975), Dawson (1956, 1957), Emery (1962), Gilmartin (1960), Newhouse (1969), Taylor (1950b), Trono (1968), Tsuda (1964).
Boodlea siamensis Reinbold—Chapman (1955), Dawson (1957), Kanda (1944), Okamura (1904, 1916), Taylor (1950b), Trono (1968), Yamada (1944b).
Boodlea trukensis Trono, 1971 (Truk, Carolines).
Boodlea vanbosseae Reinbold—Dawson (1956), Moul (1957), Newhouse (1969), Okamura (1916), Schmidt (1928), Trono (1968), Yamada (1928).
Boodleopsis carolinensis Trono, 1971 (Palau, Carolines).
Bornetella nitida (Harvey) Munier-Chalmas—Trono (1968).
Bornetella oligospora Solms-Laubach—Kanda (1944).

- Bornetella sphaerica* (Zanard.) Solms-Laubach [= *Bornetella ovalis* Yamada]—Kanda (1944), Trono (1968).
- Bryopsis harveyana* J. Ag.—May (1966).
- Bryopsis hypnoides* Lamx.—Dawson (1957).
- Bryopsis indica* A. & E. Gepp—Dawson (1956, 1957), Newhouse (1969), Taylor (1950b).
- Bryopsis pennata* Lamx.—Bryan (1975), Dawson (1956, 1957), Gilmartin (1960), Moul (1957), Newhouse (1969), Taylor (1950b), Tsuda (1972c), Tsuda and Belk (1972), Tsuda and Bryan (1973).
- Bryopsis plumosa* (Huds.) Ag.—May (1966), Newhouse (1969), Okamura (1916), Prowazek (1913), Safford (1905), Schmidt (1928), Tokida (1937a).
- Caulerpa acuta* (Yamada) Yamada—Dawson (1957), Gilmartin (1960), Yamada (1944b).
- Caulerpa ambigua* Okamura—Abbott (1961), Dawson (1956), Doty (1962), Newhouse (1969), Tsuda (1972c), Tsuda et al. (In Press).
- Caulerpa antoensis* Yamada, 1944a (Ant, Carolines)—Abbott (1961), Dawson (1956, 1957), Newhouse (1969), Trono (1968), Yamada (1940, 1944b).
- Caulerpa arenicola* Taylor, 1950b (Rongelap, Marshalls).
- Caulerpa bikinensis* Taylor, 1950b (Bikini, Marshalls)—Abbott (1961), Dawson (1957).
- Caulerpa boryana* Harv.—Glassman (1952).
- Caulerpa brachypus* Harv.—Dawson (1957), Gilmartin (1960), Kanda (1944), Taylor (1950b), Tokida (1937a), Trono (1968), Tsuda (1972c), Tsuda et al. (In Press), Yamada (1940, 1944b).
- Caulerpa crassifolia* (C. Ag.) J. Ag.—Taylor (1950b).
- Caulerpa cupressoides* (West) C. Ag.—Chapman (1955), Glassman (1952), Kanda (1944), Okamura (1916), Schmidt (1928), Taylor (1966), Trono (1968), Tsuda (1972c), Yamada (1940, 1944b).
- Caulerpa elongata* W. v. Bosse—Cloud (1959), Dawson (1956, 1957), Moul (1957, 1959), Odum and Odum (1955), Taylor (1950b), Tsuda and Belk (1972).
- Caulerpa fastigiata* Montagne—Trono (1968), Yamada (1940).
- Caulerpa filicoides* Yamada—Tsuda (1972c), Tsuda et al. (In Press), Yamada (1940).
- Caulerpa freycineti* Ag.—Glassman (1952), Okamura (1904, 1916), Schmidt (1928).
- Caulerpa lentillifera* J. Ag.—Kanda (1944), Okamura (1904, 1916), Schmidt (1928), Taylor (1950b), Trono (1968), Tsuda (1972c), Tsuda et al. (In Press), Yamada (1940, 1944a).
- Caulerpa lessonii* Bory—Schmidt (1928).
- Caulerpa matsueana* Yamada, 1944a (Ant, Carolines)—Yamada (1940, 1944b).
- Caulerpa okamurai* W. v. Bosse—Glassman (1952), Okamura (1916), Schmidt (1928), Yamada (1926).
- Caulerpa peltata* Lamx.—Gilmartin (1960), Kanda (1944), May (1966), Okamura (1916), Reinbold (1901), Schmidt (1928), Taylor (1950b), Tokida (1939a), Trono (1968), Yamada (1940, 1944b).

- Caulerpa pickeringii* Harvey & Bailey—Trono (1968).
- Caulerpa plumarix* (Forsk.) W. v. Bosse—Glassman (1952), Okamura (1904, 1916), Safford (1905), Schmidt (1928).
- Caulerpa racemosa* (Forsk.) J. Ag.—Bryan (1975), Chapman (1955), Cloud (1959), Dawson (1956, 1957), Emery (1962), Gilmartin (1960), Glassman (1952), Kanda (1944), Newhouse (1969), Okamura (1916), Peterson (1972), Reinbold (1901), Safford (1905), Schmidt (1928), Taylor (1950b, 1966), Trono (1968), Tsuda (1964, 1972c), Tsuda and Bryan (1973), Tsuda et al. (In Press), Yamada (1940, 1944b).
- Caulerpa serrulata* (Forsk.) J. Ag.—Abbott (1961), Dawson (1956, 1957), Gilmartin (1960), Kanda (1944), May (1966), Moul (1957, 1959), Newhouse (1969), Taylor (1950b, 1966), Trono (1968), Tsuda (1964, 1972c), Yamada (1940, 1944b).
- Caulerpa sertularioides* (Gmel.) Howe—Dawson (1956), Gilmartin (1960), Kanda (1944), Taylor (1966), Tokida (1939a), Trono (1968), Tsuda (1964, 1972c), Yamada (1940).
- Caulerpa taxifolia* (Vahl) C. Ag.—Cloud (1959), Dawson (1956, 1957), Kanda (1944), Okamura (1916), Schmidt (1928), Trono (1968), Tsuda (1972c), Yamada (1940, 1944b).
- Caulerpa urvilliana* Montagne—Abbott (1961), Chapman (1955), Cloud (1959), Dawson (1956, 1957), Moul (1959), Newhouse (1969), Schmidt (1928), Taylor (1950b, 1966), Trono (1968), Tsuda (1964, 1972c), Yamada (1940, 1944b).
- Caulerpa verticillata* J. Ag.—Dawson (1956), Gilmartin (1960), Kanda (1944), Newhouse (1969), Taylor (1950b), Trono (1968), Tsuda (1972c), Yamada (1940, 1944b).
- Caulerpa vickersiae* Boerg.—Dawson (1956, 1957), Gilmartin (1960).
- Caulerpa webbiana* Montagne—Dawson (1957), Gilmartin (1960), Kanda (1944), Okamura (1916), Schmidt (1928), Yamada (1940).
- Chaetomorpha antennina* (Bory) Kütz.—Abbott (1961).
- Chaetomorpha crassa* (C. Ag.) Kütz.—Trono (1968), Tsuda and Belk (1972).
- Chaetomorpha indica* Kütz.—Dawson (1956, 1957), Tsuda and Kami (1973).
- Chaetomorpha linum* (Dan) Kg.—Reinbold (1901), Schmidt (1928).
- Chaetomorpha rigida* Kg.—Reinbold (1901).
- Chlorodesmis dotyi* Trono, 1971 (Mokil, Carolines).
- Chlorodesmis fastigiata* (C. Ag.) Ducker—Bryan (1975), Ducker (1967), Glassman (1952), Kanda (1944), Schmidt (1928), Trono (1968), Tsuda and Bryan (1973).
- Chlorodesmis hildebrandtii* A. & E. S. Gepp—Glassman (1952), Okamura (1916), Schmidt (1928), Taylor (1966), Trono (1968), Tsuda (1964, 1972c).
- Cladophora albida* (Hudson) Kütz.—Gilmartin (1960).
- Cladophora boodleoides* Boerg.—Trono (1968).
- Cladophora crystallina* (Roth) Kütz.—Dawson (1956, 1957).
- Cladophora fuliginosa* Kütz.—Abbott (1961).
- Cladophora gracilis* (Griffiths) Kütz.—Gilmartin (1960).

- Cladophora inserta* Dickie—Dawson (1957).
Cladophora patentiramea (Mont.) Kütz.—Glassman (1952), Schmidt (1928).
Cladophora repens (J. Ag.) Harvey—Tsuda (1964).
Cladophora sibogae Reinbold—Kanda (1942, 1944).
Cladophora socialis Kütz.—Dawson (1956, 1957), Gilmartin (1960), Yamada (1944b).
Cladophora trichotoma (Ag.) Kütz.—Trono (1968).
Cladophoropsis carolinensis Trono, 1971 (Kusaie, Carolines).
Cladophoropsis fascicularis (Kjellm.) Boerg.—Cloud (1959).
Cladophoropsis gracillima Dawson—Dawson (1956, 1957), Gilmartin (1960).
Cladophoropsis herpestica (Mont.) Howe—Trono (1968).
Cladophoropsis membranacea (Ag.) Boerg.—Belk and Belk (1975), Bryan (1975), Chapman (1955), Taylor (1966), Trono (1968), Tsuda (1972c), Tsuda and Bryan (1973).
Cladophoropsis palauensis Trono, 1971 (Palau, Carolines).
Cladophoropsis sundanensis Reinbold—Dawson (1956, 1957), Gilmartin (1960).
Cladophoropsis zollingeri (Kütz.) Boerg.—Chapman (1955), Kanda (1942, 1944), Taylor (1950b).
Codium arabicum Kütz.—Dawson (1956, 1957), Newhouse (1969), Trono (1968).
Codium edule Silva—Dawson (1957), Odum and Odum (1955), Trono (1968), Tsuda (1964, 1972c).
Codium geppii O. C. Schmidt—Dawson (1956, 1957), Gilmartin (1960), Newhouse (1969).
Codium intricatum Okamura—Kanda (1944).
Codium ovale Zanard.—Dawson (1956).
Codium reediae Silva—Tsuda (1964).
Codium repens (Crouan) Vickers—Tokida (1939a).
Codium saccatum Okamura—Dawson (1957).
Codium tenue Kütz.—Taylor (1950b).
Codium tomentosa (Huds.) Stackh.—Schmidt (1928).
Collinsiella tuberculata Setch. & Gard.—Glassman (1953).
Derbesia attenuata Dawson—Dawson (1956, 1957).
Derbesia marina (Lyngb.) Solier—Dawson (1956, 1957).
Derbesia minima W. v. Bosse—Newhouse (1969), Taylor (1950b).
Derbesia neglecta Reinbold—Gilmartin (1960).
Derbesia padinae Trono, 1971 (Palau, Carolines).
Derbesia ryukiuensis Yamada & Tanaka—Dawson (1956, 1957).
Dictyosphaeria bokotensis Yamada—Dawson (1956), Newhouse (1969), Yamada (1944b).
Dictyosphaeria cavernosa (Forssk.) Boerg. [= *Dictyosphaeria favulosa* (Mert.) Decaisne]—Abbott (1961), Chapman (1955), Dawson (1956, 1957), Glassman (1953), Kanda (1944), May (1966), Moul (1957), Newhouse (1969), Okamura (1904, 1916), Schmidt (1928), Taylor (1950b), Tokida (1939a), Trono (1968), Tsuda (1964, 1972c), Tsuda et al. (In Press), Yamada (1944b).

- Dictyosphaeria intermedia* W. v. Bosse—Dawson (1956, 1957), Moul (1957), Odum and Odum (1955), Taylor (1950b, 1966).
- Dictyosphaeria mutica* Yamada, 1944b (Ant, Carolines)—Newhouse (1969), Trono (1968).
- Dictyosphaeria setchellii* Boerg.—Moul (1957).
- Dictyosphaeria versluysii* W. v. Bosse—Abbott (1961), Chapman (1955), Dawson (1956, 1957), Emery (1962), Okamura (1916), Schmidt (1928), Trono (1968), Tsuda and Belk (1972).
- Enteromorpha acanthophora* Kütz.—Dawson (1957).
- Enteromorpha clathrata* (Roth) J. Ag.—Belk and Belk (1975), Bryan (1975) as *Enteromorpha compressa* (L.) Greville, Dawson (1956, 1957), Prowazek (1913), Safford (1905), Schmidt (1928), Trono (1968).
- Enteromorpha compressa* (L.) Greville—Dawson (1956), Moul (1957), Safford (1905), Schmidt (1928).
- Enteromorpha intestinalis* (L.) Link—Dawson (1957), Tsuda (1964).
- Enteromorpha kylinii* Bliding—Dawson (1956, 1957), Trono (1968), Tsuda and Belk (1972).
- Enteromorpha lingulata* J. Ag.—Abbott (1961), Taylor (1950b, 1966).
- Enteromorpha procera* Ahl.—Chapman (1955).
- Enteromorpha prolifera* (Muller) J. Ag.—Newhouse (1969).
- Enteromorpha ralfsii* Harvey—Dawson (1956, 1957).
- Enteromorpha salina* Kütz.—Trono (1968).
- Enteromorpha torta* (Mert.) Reinbold—Abbott (1961), Taylor (1950b).
- Enteromorpha tubulosa* (Kütz.) Kütz.—Dawson (1957).
- Entocladia viridis* Reinke—Dawson (1957).
- Geppella martensenii* Boerg.—Dawson (1956).
- Gomontia polyrhiza* (Lagerh.) B. & Fl.—Emery et al. (1954).
- Halicoryne wrightii* Harvey—Abbott (1961).
- Halimeda bikinensis* Taylor, 1950b (Bikini, Marshalls)—Hillis (1959), Moul (1957).
- Halimeda copiosa* Goreau & Graham [= *Halimeda hederacea* (Barton) Hillis, *H. opuntia* v. *hederacea* (Barton) Hillis]—Abbott (1961), Colinvaux (1968), Dawson (1957), Gilmartin (1960), Hillis (1959), Moul (1964), Newhouse (1969), Taylor (1950b), Tsuda (1972c), Tsuda et al. (In Press).
- Halimeda cuneata* Hering—Barton (1900), Dawson (1956), Glassman (1952), Kanda (1944), Okamura (1916), Schmidt (1928), Tokida (1939a), Yamada (1941a, 1941b).
- Halimeda cylindracea* Decaisne—Hillis (1959), Moul (1964), Newhouse (1969), Trono (1968), Tsuda (1972c).
- Halimeda discoidea* Decaisne [= *Halimeda papyracea* Zanard?]—Emery (1962), Gilmartin (1960), Hillis (1959), Moul (1964), Newhouse (1969), Reinbold (1901), Safford (1905), Taylor (1950b), Trono (1968), Tsuda (1972c), Tsuda et al. (In Press).
- Halimeda distorta* (Yamada) Colinvaux, 1968 (Ant, Carolines); [= *Halimeda in-*

- crassata* f. *distorta* Yamada, *Halimeda opuntia* v. *hederacea* (Barton) Hillis].
Halimeda fragilis Taylor, 1950b (Enewetak, Marshalls)—Abbott (1961), Dawson (1956), Gilmartin (1960, 1966), Hillis (1959), Moul (1957, 1959, 1964), Newhouse (1969), Trono (1968).
Halimeda gigas Taylor, 1950b (Enewetak, Marshalls)—Dawson (1957), Hillis (1959), Tsuda (1972c), Tsuda and Belk (1972), Tsuda et al. (In Press).
Halimeda gracilis Harvey—Abbott (1961), Barton (1900), Chapman (1955), Cloud (1959), Dawson (1956), Gilmartin (1960), Johnson (1957), Kanda (1944), Schmidt (1928), Taylor (1950b), Trono (1968), Tsuda (1964, 1972c), Yamada (1941a, 1941b, 1944b).
Halimeda incrassata (Ellis) Lamx. [= *Halimeda tridens* (E. & S.) Lamx.]—Abbott (1961), Bryan (1975), Chapman (1955), Dawson (1957), Gilmartin (1960), Hillis (1959), Kanda (1940a, 1944), Moul (1957, 1959, 1964), Newhouse (1969), Okamura (1916), Schmidt (1928), Taylor (1950b), Tokida (1939a), Trono (1968), Tsuda (1964, 1972c), Tsuda et al. (In Press), Yamada (1941a, 1941b, 1944a, 1944b).
Halimeda lacunalis Taylor, 1950b (Enewetak, Marshalls)—Abbott (1961), Dawson (1957), Gilmartin (1960), Hillis (1959), Moul (1964), Newhouse (1969).
Halimeda macroloba Decaisne—Barton (1900), Bryan (1975), Glassman (1952), Hillis (1959), Kanda (1940a, 1942, 1944), May (1966), McKee (1956), Merten (1971), Motoda (1939), Moul (1964), Okamura (1904, 1916), Reinbold (1901), Schmidt (1928), Taylor (1966), Tokida (1939a), Trono (1968), Tsuda (1972c), Yamada (1941a, 1941b).
Halimeda macrophysa Askenasy—Dawson (1957), Hillis (1959), Kanda (1944), Trono (1968), Tsuda (1972c), Tsuda et al. (In Press), Yamada (1941a).
Halimeda micronesica Yamada, 1944a (Ant, Carolines) [= *Halimeda orientalis* Gilbert]—Abbott (1961), Hillis (1959), Moul (1957, 1964), Newhouse (1969), Taylor (1950b), Trono (1968), Tsuda (1972c), Yamada (1941a, 1944b).
Halimeda minima (Taylor) Colinvaux, 1968 (Bikini, Marshalls); [= *Halimeda opuntia* f. *minima* Taylor].
Halimeda monile (Solander) Lamx.—Dawson (1956, 1957), Gilmartin (1960, 1966), Taylor (1950b).
Halimeda opuntia (L.) Lamx. [= *Halimeda cordata* J. Ag.]—Abbott (1961), Barton (1900), Bryan (1975), Cloud (1959), Dawson (1956, 1957), Emery (1962), Gilmartin (1960), Glassman (1952, 1953), Hillis (1959), Johnson (1957), Kanda (1940a, 1942, 1944), McKee (1956), Moul (1957, 1959, 1964), Newhouse (1969), Okamura (1916), Reinbold (1901), Schmidt (1928), Taylor (1950b, 1966), Tokida (1939a), Trono (1968), Tsuda (1964, 1972c), Tsuda et al. (In Press), Yamada (1941a, 1941b, 1944b).
Halimeda simulans Howe—Hillis (1959), Tsuda (1972c), Tsuda and Belk (1972).
Halimeda stuposa Taylor, 1950b (Rongelap, Marshalls)—Abbott (1961), Dawson (1956, 1957), Hillis (1959), Moul (1957, 1959, 1964), Newhouse (1969), Trono (1968), Tsuda (1972c).

- Halimeda taenicola* Taylor, 1950b (Rongerik, Marshalls)—Abbott (1961), Dawson (1956, 1957), Gilmartin (1960), Hillis (1959), Moul (1957, 1959, 1964), Newhouse (1969), Trono (1968).
- Halimeda tuna* (E. & S.) Lamx.—Barton (1900), Chapman (1955), Cloud (1959), Glassman (1952), Schmidt (1928), Taylor (1950b), Trono (1968).
- Microdictyon japonicum* Setchell—Chapman (1955), Dawson (1957).
- Microdictyon mokilensis* Trono, 1971 (Mokil, Carolines).
- Microdictyon okamurai* Setch.—Abbott (1961), Dawson (1956, 1957), Glassman (1953), Kanda (1944), Newhouse (1969), Taylor (1950b), Trono (1968), Tsuda (1972c), Yamada (1944b).
- Microdictyon pseudohaptera* A. & E. S. Gepp—Dawson (1956), Newhouse (1969), Okamura (1916), Schmidt (1928).
- Microdictyon setchellianum* Howe—[=*Microdictyon umbilicatum* (Velley) Zanard.] —Chapman (1955), Dawson (1956), May (1966), Moul (1957).
- Neomeris annulata* Dickie—Abbott (1961), Bryan (1975), Dawson (1956).
- Neomeris bilimbata* Koster—Dawson (1956, 1957).
- Neomeris dumetosa* Lamx.—Okamura (1904), Schmidt (1928).
- Neomeris mucosa* Howe—Dawson (1956).
- Neomeris vanbosseae* Howe—Abbott (1961), Chapman (1955), Kanda (1944), May (1966), Newhouse (1969), Taylor (1950b), Trono (1968), Tsuda (1972c), Tsuda and Belk (1972).
- Ostreobium reineckii* Bornet—Belk and Belk (1975), Dawson (1957), Taylor (1950b).
- Palmogloea protuberans* (Sm. & Sow.) Kütz.—Catala (1957), May (1966).
- Protococcus grevillei* (Ag.) Crouan—Catala (1957), May (1966).
- Pseudochlorodesmis furcellata* (Zanard.) Boerg.—Belk and Belk (1975), Bryan (1975), Dawson (1956, 1957), Gilmartin (1960).
- Pseudodichotomosiphon constricta* Yamada—Abbott (1961).
- Rhipidiphylon reticulatum* Askenasy—Dawson (1956, 1957), Newhouse (1968), Taylor (1950b), Trono (1968).
- Rhipilia diaphana* Taylor, 1950b (Bikini, Marshalls)—Abbott (1961).
- Rhipilia geppii* Taylor, 1950b (Bikini, Marshalls)—Abbott (1961), Dawson (1957), Doty (1954).
- Rhipilia micronesica* Yamada, 1944b (Ant, Carolines).
- Rhipilia orientalis* A. & E. S. Gepp—Abbott (1961), Dawson (1956, 1957), Moul (1957), Taylor (1950b), Trono (1968), Tsuda (1972c).
- Rhipilia tomentosa* Kütz.—Tsuda (1972c).
- Rhizoclonium hieroglyphicum* (Ag.) Kütz.—Catala (1957), May (1966), Moul (1957), Newhouse (1969).
- Rhizoclonium implexum* (Dillwyn) Kütz.—Dawson (1957).
- Rhizoclonium samoense* Setchell—Abbott (1961), Dawson (1956), Trono (1968), Tsuda (1972c).
- Rhizoclonium tortuosum* Kütz.—Safford (1905), Schmidt (1928).
- Siphonocladus rigidus* Howe—Dawson (1956, 1957), Newhouse (1969).

- Spongocladia dichotoma* (Zand.) Murr. & Boodle—Kanda (1944), Tokida (1939a).
Spongocladia vaucheriaeformis Aresch.—Glassman (1952), Kanda (1942, 1944), Okamura (1916), Schmidt (1928).
Struvea anastomosans (Harv.) Piccone—Chapman (1955), Dawson (1956, 1957), Emery (1962), Trono (1968).
Struvea delicatula Kütz.—Kanda (1944), May (1966), Okamura (1904), Schmidt (1928), Tokida (1939a).
Struvea tenuis Zanard.—Okamura (1904), Schmidt (1928).
Tydemannia expeditionis W. v. Bosse—Bryan (1974), Dawson (1956, 1957), Gilmartin (1960, 1966), Glassman (1952), Kanda (1944), Okamura (1916), Schmidt (1928), Taylor (1950b), Trono (1968), Tsuda (1972c), Tsuda et al. (In Press), Yamada (1944b).
Udotea argentea Zanard.—Abbott (1961), Bryan (1975), Moul (1964), Okamura (1916), Schmidt (1928), Trono (1968), Tsuda (1972c), Yamada (1944b).
Udotea geppii Yamada—Kanda (1940a, 1942, 1944), Tokida (1937a), Trono (1968), Tsuda (1972c), Tsuda et al. (In Press), Yamada (1930).
Udotea indica A. & E. S. Gepp.—Abbott (1961), Gilmartin (1960), Moul (1964), Nizamuddin (1963), Taylor (1950b), Trono (1968).
Udotea javensis (Mont.) A. & E. S. Gepp—Dawson (1956, 1957), Gilmartin (1960), Kanda (1944), Taylor (1950b), Trono (1968).
Udotea orientalis A. & E. S. Gepp—Abbott (1961), Gilmartin (1960), May (1966), Taylor (1950b).
Udotea palmetta Decaisne—Dawson (1956, 1957), Tsuda (1972c).
Udotea polychotomis Cordero, 1974 (Mokil, Carolines).
Ulva lactuca L.—May (1966), Tsuda (1964, 1968).
Ulvella lens Crouan—Abbott (1961).
Valonia aegagropila C. Ag.—Abbott (1961), Chapman (1955), Dawson (1956, 1957), Gilmartin (1960), Glassman (1952), Kanda (1940b, 1944), May (1966), Moul (1957), Newhouse (1969), Schmidt (1928), Taylor (1950b), Trono (1968), Tsuda (1964).
Valonia fastigiata Harvey—Bryan (1975), Dawson (1957), Kanda (1940b, 1944), Trono (1968).
Valonia utricularis (Roth) C. Ag.—Abbott (1961), Dawson (1956, 1957), Gilmartin (1960), Newhouse (1969), Okamura (1916), Schmidt (1928), Taylor (1950b), Trono (1968).
Valonia ventricosa J. Ag.—Abbott (1961), Bryan (1975), Chapman (1955), Dawson (1956, 1957), Gilmartin (1960), Kanda (1940b, 1944), Newhouse (1969), Tokida (1939a), Trono (1968), Tsuda (1972c).
Valoniopsis pachynema (Martens) Boerg.—Dawson (1957), Taylor (1950b), Trono (1968).

Division PHAEOPHYTA

- Chnoospora implexa* (Hering) J. Ag.—Dawson (1957), Tsuda (1972a).

- Chnoospora minima* (Hering) Papenfuss—Bryan (1975), Tsuda (1972a, 1974).
Colpomenia sinuosa (Roth) Dèrbes & Solier—Glassman (1952), Okamura (1904, 1916), Schmidt (1928), Tsuda (1972a, 1974).
Dictyopteris delicatula Lamx.—Taylor (1950b).
Dictyopteris repens (Okamura) Boerg. [= *Haliseris repens* Okamura, 1916 (Truk, Carolines); *Neurocarpus repens* Okamura]—Dawson (1956, 1957), Gilmartin (1960, 1966), Kanda (1944), Schmidt (1928), Tokida (1939a), Trono (1969), Tsuda (1972a, 1972c), Tsuda et al. (In Press).
Dictyota apiculata J. Ag.—Trono (1969), Tsuda (1972c), Tsuda and Belk (1972).
Dictyota bartayresii Lamx. [= *Dictyota bartayresiana* Lamx.]—Bryan (1975), Chapman (1955), Kanda (1942, 1944), Tsuda (1972a, 1972c, 1974), Tsuda and Kami (1973), Tsuda et al. (In Press), Yamada (1944b).
Dictyota cervicornis Kütz.—Gilmartin (1960), Tsuda (1972a), Tsuda and Belk (1972).
Dictyota crenulata J. Ag.—Tsuda (1964).
Dictyota dichotoma Lamx.—Chapman (1955), Gilmartin (1960).
Dictyota divaricata Lamx.—Belk (1971), Dawson (1957), Gilmartin (1960, 1966), Lowman and Palumbo (1962), Okamura (1904), Schmidt (1928), Trono (1969), Tsuda (1972a).
Dictyota friabilis Setchell—Newhouse (1969), Trono (1969), Tsuda (1964, 1972a).
Dictyota patens J. Ag.—Dawson (1957), Glassman (1952), Kanda (1944), Newhouse (1969), Okamura (1916), Schmidt (1928), Tsuda (1972a, 1972c).
Dictyota pinnatifida Kütz.—Taylor (1950b).
Dilophus radicans Okamura—Dawson (1962), Glassman (1952), Kanda (1944), Schmidt (1928), Tokida (1939a).
Ectocarpus breviararticulatus J. Ag.—Dawson (1956, 1957), Trono (1969), Tsuda (1972a, 1974).
Ectocarpus columellaris Boerg.—Trono (1969).
Ectocarpus mitchellae Harv.—Abbott (1961), Dawson (1956, 1957), Newhouse (1969), Taylor (1950b).
Feldmannia indica (Sonder) Womersley & Bailey [= *Ectocarpus indicus* Sonder]—Belk and Belk (1975) as *Giffordia indica* (Sonder) Papenfuss & Chihara, Bryan (1975), Chapman (1955), Dawson (1956, 1957), Newhouse (1969), Taylor (1950b), Trono (1969), Tsuda (1972a, 1974), Tsuda and Belk (1972), Tsuda and Bryan (1973), Tsuda and Kami (1973), Tsuda et al. (1972).
Feldmannia irregularis (Kütz.) Hamel [= *Ectocarpus irregularis* Kütz.]—Dawson (1957), Trono (1969), Tsuda (1972a).
Hydroclathrus clathratus (Bory) Howe [= *Hydroclathrus cancellatus* Bory]—Bryan (1975), Cloud (1959), Dawson (1957), Glassman (1952), Kanda (1944), Okamura (1904, 1916), Reinbold (1901), Schmidt (1928), Taylor (1950b, 1966), Trono (1969), Tsuda (1972a, 1972c, 1974).
Lobophora papenfussii (Taylor) Womersley [= *Pocockiella papenfussii* Taylor, 1950b (Bikini, Marshalls)]—Dawson (1956, 1967).
Lobophora variegata (Lamx.) Womersley [= *Zonaria variegata* (Lamx.) Mertens,

- Pocockiella variegata* (Lamx.) Papenfuss]—Abbott (1961), Bryan (1975), Chapman (1955), Dawson (1956, 1957), Gilmartin (1960), Newhouse (1969), Odum and Odum (1955), Smith and Marsh (1973), Taylor (1950a, 1950b), Trono (1969), Tsuda (1972a, 1972c, 1974), Tsuda and Kami (1973), Tsuda et al. (In Press), Yamada (1944b).
- Notheia anomala* Bail. & Harv.—May (1966).
- Padina australis* Hauck—Dawson (1957), Kanda (1942, 1944), Tokida (1939a), Trono (1969).
- Padina gymnospora* (Kütz.) Vickers—Schmidt (1928).
- Padica japonica* Yamada—Trono (1969).
- Padina jonesii* Tsuda, 1972a (Guam, Marianas)—Tsuda and Kami (1973), Tsuda et al. (In Press).
- Padina minor* Yamada—Trono (1969), Tsuda (1972a, 1974), Tsuda and Belk (1972), Yamada (1944b).
- Padina pavonia* (L.) Gaill.—Glassman (1952), Okamura (1904, 1916), Prowazek (1913), Reinbold (1901), Safford (1905), Schmidt (1928).
- Padina tenuis* Bory [= *Padina commersonii* Bory, *Padina boryana* Thivy]—Bryan (1975), Chapman (1955), Cloud (1959), Dawson (1956, 1957), Emery (1962), Gilmartin (1960, 1966), Newhouse (1969), Safford (1905), Schmidt (1928), Taylor (1950b), Tsuda (1972a, 1972c, 1974).
- Ralfsia expansa* J. Ag.—Dawson (1956), Trono (1969).
- Ralfsia pangoensis* Setchell—Tsuda (1972a).
- Rosenvingea fastigiata* (Zanard.) Boerg.—Taylor (1950b).
- Rosenvingea intricata* (J. Ag.) Boerg. [= *Asperococcus intricatus* J. Ag.]—Dawson (1957), Okamura (1904), Schmidt (1928), Taylor (1950b), Tsuda (1972a), Tsuda and Kami (1973).
- Rosenvingea orientalis* (J. Ag.) Boerg.—Gilmartin (1960).
- Sargassum crassifolium* J. Ag.—Taylor (1966), Tsuda (1976).
- Sargassum cristaeifolium* C. Ag. [= *Sargassum duplicatum* J. Ag.]—Bryan (1975), Glassman (1952), Marsh (1974), Okamura (1916), Reinbold (1901), Schmidt (1928), Taylor (1966), Tsuda (1972a, 1972b, 1972c, 1974, 1976).
- Sargassum ilicifolium* (Turn.) J. Ag.—Glassman (1952).
- Sargassum microphyllum* Ag.—Cloud (1959), Kanda (1944).
- Sargassum polycystum* C. Ag.—Bryan (1975), Taylor (1966), Tsuda (1972a, 1972b, 1974, 1976).
- Sargassum tenerrimum* J. Ag.—Tsuda (1972a).
- Spatoglossum schroederi* (Mert.) J. Ag.—Gilmartin (1960).
- Sphacelaria carolinensis* Trono, 1971 (Kusaie, Carolines).
- Sphacelaria furcigera* Kütz.—Belk and Belk (1975), Dawson (1956, 1957), Gilmartin (1960), Kanda (1942, 1944), Tokida (1939a), Trono (1969), Tsuda (1972a).
- Sphacelaria novaehollandiae* Sonder—Dawson (1957), Emery (1962), Newhouse (1969), Taylor (1950b), Tsuda (1972a), Yamada (1944b).
- Sphacelaria rigida* (Hering) Kütz.—Trono (1969).

- Sphacelaria tribuloides* Meneghini—Bryan (1975), Dawson (1956, 1957), Kanda (1944), Reinbold (1901), Schmidt (1928), Tokida (1939a), Tsuda (1972, 1974), Tsuda and Kami (1973), Tsuda et al. (1972).
- Styopodium lobatum* Kütz.—Trono (1969).
- Turbinaria condensata* Sonder—Taylor (1964).
- Turbinaria conoides* Kütz.—May (1966), Trono (1969).
- Turbinaria decurrens* Bory—Trono (1969).
- Turbinaria ornata* (Turn.) J. Ag.—Bryan (1975), Cloud (1959), Dawson (1956, 1957), Glassman (1952), Kanda (1944), Marsh (1974), Moul (1957), Newhouse (1969), Okamura (1916), Reinbold (1901), Schmidt (1928), Taylor (1950b, 1964), Trono (1969), Tsuda (1964, 1972a, 1972c, 1974), Tsuda et al. (In Press), Yamada (1944b).
- Turbinaria trialata* (J. Ag.)—Dawson (1956), Emery (1962).
- Zonaria hawaiiensis* Doty & Newhouse—Tsuda (1972c).
- Zonaria stipitata* Tanaka & K. Nozawa—Tsuda (1972a).

Division RHODOPHYTA

- Abbottella concinna* Hollenberg—Hollenberg (1967a).
- Acanthophora spicifera* (Vahl) Boerg. [= *Acanthophora orientalis* J. Ag. and *A. muscoides* Bory]—Bryan (1975), Cloud (1959), Kanda (1942, 1944), Okamura (1904, 1916), Safford (1905), Schmidt (1928), Tokida (1939a), Trono (1969), Tsuda (1964, 1972c), Yamada (1944b).
- Acrochaetium gracile* Boerg.—Dawson (1957).
- Acrochaetium robustum* Boerg.—Dawson (1957), Gilmartin (1960), Trono (1969).
- Acrochaetium rongelapense* Abbott in Taylor, 1950b (Rongelap, Marshalls).
- Actinotrichia fragilis* Boerg. [= *Actinotrichia rigida* (Lamx.) Decne]—Bryan (1975), Dawson (1956), Kanda (1944), Okamura (1904), Schmidt (1928), Trono (1969), Tsuda (1972c).
- Amansia glomerata* C. Ag.—Emery (1962), Kanda (1942, 1944), Tokida (1939a, 1939b).
- Amphiroa anastomosans* W. v. Bosse—Dawson (1956).
- Amphiroa foliacea* Lamx.—Dawson (1956), Trono (1969), Tsuda (1972c).
- Amphiroa fragilissima* Lamx.—Bryan (1975), Dawson (1956), Kanda (1944), Okamura (1916), Reinbold (1901), Schmidt (1928), Trono (1969).
- Amphiroa taylorii* Dawson—Dawson (1956).
- Antithamnion antillanum* Boerg.—Trono (1969).
- Antithamnion brevirostris* Dawson—Dawson (1957).
- Antithamnion iherminieri* (Crouan & Crouan) Nasr—Dawson (1956, 1957), Gilmartin (1960).
- Antithamnion percurrens* Dawson, 1957 (Enewetak, Marshalls).
- Asparagopsis taxiformis* (Delile) Collins & Hervey [= *Falkenbergia hillebrandii* (Bornet) Falken.]—Dawson (1956, 1957), Gilmartin (1960), Trono (1969), Tsuda (1964), Tsuda and Bryan (1973).

- Asterocystis ornata* (C. Ag.) Hamel—Abbott (1961), Dawson (1957), Taylor (1950b).
Bostrychia binderi Harvey—Trono (1969).
Bostrychia tenella (Vahl) J. Ag.—Kanda (1942, 1944), Tokida (1939a, 1939b).
Botryocladia kuckuckii (W. v. Bosse) Yamada & Tanaka—Taylor (1950b).
Botryocladia microphysa (Hauck) Kylin—Kanda (1942, 1944), Tokida (1939a).
Botryocladia skottsbergii (Boerg.) Leving—Dawson (1956, 1957), Gilmartin (1960).
Callithamnion marshallensis Dawson, 1957 (Enewetak, Marshalls).
Caloglossa adnata (Zanard.) De Toni—Dawson (1956).
Caloglossa leprieurii (Mont.) J. Ag.—Dawson (1956), Taylor (1950b).
Centroceras apiculatum Yamada, 1944b (Ant, Carolines)—Dawson (1956, 1957), Hollenberg (1969d).
Centroceras clavulatum (C. Ag.) Mont.—Abbott (1961), Belk and Belk (1975), Bryan (1975), Chapman (1955), Dawson (1956, 1957), Gilmartin (1960), May (1966), Moul (1957), Taylor (1950b), Trono (1969).
Centroceras huysmanii W. v. Bosse—Kanda (1944), Tokida (1939a).
Centroceras minimum Yamada—Dawson (1957).
Centroceras minutum Yamada, 1944b (Ant, Carolines)—Abbott (1961), Belk and Belk (1975), Dawson (1956), Trono (1969).
Ceramium affine Setch. & Gard.—Trono (1969).
Ceramium byssoideum Harv.—Kanda (1944), Taylor (1950b), Tokida (1939a).
Ceramium camouii Dawson—Dawson (1956).
Ceramium clarionense Setch. & Gardn.—Dawson (1956, 1957).
Ceramium clavulatum Ag.—Glassman (1952), Okamura (1916), Reinbold (1901), Schmidt (1928), Tokida (1939a).
Ceramium fimbriatum Setch. & Gardn.—Dawson (1956), Trono (1969), Tsuda (1964).
Ceramium gracillimum Griff. & Harv.—Dawson (1956, 1957), Gilmartin (1960), May (1966), Trono (1969).
Ceramium huysmansii W. v. Bosse—Belk and Belk (1975), Dawson (1956), Trono (1969).
Ceramium kororensis Trono, 1971 (Palau, Carolines).
Ceramium marshallense Dawson, 1957 (Enewetak, Marshalls).
Ceramium mazatlanense Dawson—Dawson (1956, 1957), Gilmartin (1960), Trono (1969).
Ceramium personatum Setch. & Gardn.—Chapman (1955).
Ceramium serpens Setch. & Gardn.—Dawson (1956, 1957).
Ceramium sympodiale Dawson, 1957 (Enewetak, Marshalls).
Ceramium taylori Dawson—Dawson (1957).
Ceramium vagabunde Dawson, 1957 (Enewetak, Marshalls)—Belk and Belk (1975), Dawson (1962), Trono (1969).
Ceratodictyon spongiosum Zanard.—Kanda (1944), Okamura (1916), Schmidt (1928), Trono (1969), Tsuda (1972c).
Champia compressa Harv.—Schmidt (1928), Tsuda (1972c), Tsuda et al. (In Press).

- Champia parvula* (Ag.) J. Ag.—Bryan (1975), Dawson (1956, 1957), Gilmartin (1960), Glassman (1952), Kanda (1944), Okamura (1904, 1916), Schmidt (1928), Trono (1969).
- Champia vieillardii* Kütz.—Dawson (1956, 1957).
- Chondria baileyana* (Montagne) Harvey—Gilmartin (1960).
- Chondria minutula* W. v. Bosse—Dawson (1957).
- Chondria polyrhiza* Collins & Hervey—Dawson (1957).
- Chondria repens* Boerg.—Bryan (1974), Dawson (1956, 1957), Gilmartin (1960), Trono (1969), Tsuda (1964).
- Chondria simpliciuscula* W. v. Bosse—Yamada (1944b).
- Choreonema thureti* (Bornet) Schmitz—Taylor (1950b).
- Chrysomenia kairnbackii* Grunow—Dawson (1956).
- Chylocladia rigens* (Grev.) J. Ag.—Reinbold (1901).
- Coelarthrum boergesenii* W. v. Bosse—Dawson (1956).
- Coelothrix irregularis* (Harvey) Boerg.—Dawson (1957), Trono (1969).
- Corallina pinnatifolia* Dawson—Trono (1969).
- Corynospora pedicellata* (Smith) J. Ag. [= *Neomonospora pedicellata* v. *tenuis* Feld.—Mazoyer]—Dawson (1957).
- Cottoniella triseriata* Hollenberg—Hollenberg (1967b), Trono (1969).
- Crouania attenuata* (Bonnemaison) J. Ag.—Gilmartin (1960), Kanda (1944), Tokida (1939a).
- Crouania minutissima* Yamada, 1944b (Ant, Carolines)—Dawson (1956), Trono (1969), Tsuda (1972c).
- Cruoriella dubyi* (Crouan & Crouan) Schmidt—Dawson (1956, 1957).
- Dasya adhaerens* Yamada, 1944b (Ant, Carolines)—Abbott (1961), Dawson (1962), Taylor (1950b).
- Dasya corymbifera* J. Ag.—Gilmartin (1960).
- Dasya iyengarii* Boerg.—Dawson (1957), Gilmartin (1960).
- Dasya mollis* Harvey—Dawson (1957), Gilmartin (1960).
- Dasya pacifica* Harvey—Taylor (1950b).
- Dasyopsis geppii* W. v. Bosse—Dawson (1957).
- Dasyopsis pilosa* W. v. Bosse—Tsuda (1972c).
- Dasyopsis tenella* W. v. Bosse—Taylor (1950b).
- Dasyphila plumarioides* Yendo—Bryan (1975).
- Dawsoniella bulborrhiza* Hollenberg—Hollenberg (1967a).
- Desmia hornemanni* Lyngb. [= *Chondrococcus hornemanni* (Mert.) Schmidt]—Bryan (1975), Okamura (1916), Schmidt (1928), Trono (1969), Tsuda (1964).
- Dicranema rosaliae* Setch. & Gardn.—Dawson (1957).
- Dictyurus purpurascens* Bory—Dawson (1956, 1957), Moul (1957), Taylor (1950b).
- Endosiphonia spinuligera* Zanard.—Dawson (1956), May (1966).
- Erythrocolon podagricum* (Harvey) J. Ag.—Trono (1969).
- Erythrotrichia carnea* (Dillwyn) J. Ag.—Abbott (1961), Dawson (1956, 1957), Glassman (1952), Taylor (1950b), Trono (1969).

- Erythrotrichia parietalis* Tanaka—Dawson (1957), Trono (1969).
Eucheuma striatum Schmitz—Kanda (1944).
Fosliella farinosa (Lamx.) Howe—Abbott (1961), Chapman (1955), Dawson (1956, 1957), Gordon et al. (1976), Taylor (1950b), Trono (1969), Tsuda (1972c).
Galaxaura acuminata Kjellman—Dawson (1956).
Galaxaura elongata Ag.—Cloud (1959).
Galaxaura fascicularis Kjellman—Dawson (1956), Kanda (1942, 1944), Tanaka (1936), Trono (1969), Tsuda (1972c).
Galaxaura fastigiata Decaisne—Abbott (1961), Dawson (1957), Tanaka (1936), Tsuda (1972c).
Galaxaura filamentosa Chou—Abbott (1961), Bryan (1975), Chapman (1955), Dawson (1956, 1957), Gilmartin (1960), Trono (1969), Tsuda and Kami (1973).
Galaxaura glabriuscula Kjellman—Emery (1962).
Galaxaura marginata Lamx.—Bryan (1975).
Galaxaura oblongata (E. & S.) Lamx.—Bryan (1975), Cloud (1959), Trono (1969), Tsuda (1972c).
Gelidiella acerosa (Forssk.) Feldmann & Hamel—Bryan (1975), Emery (1962), Kanda (1944), Trono (1969).
Gelidiella adnata Dawson—Dawson (1956).
Gelidiella bornetii (W. v. Bosse) Feldmann & Hamel—Dawson (1957).
Gelidiella tenuissima Feldmann & Hamel—Dawson (1956, 1957).
Gelidiopsis acrocarpa (Harv.) Schmitz—Okamura (1916), Schmidt (1928).
Gelidiopsis intricata (Ag.) Vickers—Dawson (1956, 1957), Gilmartin (1960), Kanda (1942, 1944), Schmidt (1928), Trono (1969), Tsuda (1964, 1972c), Yamada (1944b).
Gelidiopsis pannosa (Grun.) Schmitz—Okamura (1916), Schmidt (1928).
Gelidiopsis repens (Kütz.) Schmitz—Dawson (1956).
Gelidiopsis rigida (Vahl) W. v. Bosse—Schmidt (1928).
Gelidium crinale (Turn.) Lamx.—Dawson (1957).
Gelidium intricatum (Kg.) Grun.—Reinbold (1901).
Gelidium pulchellum (Turn.) Kütz.—Tsuda (1964), Tsuda and Belk (1972).
Gelidium pusillum (Stackh.) LeJolis—Bryan (1975), Dawson (1956, 1957), Kanda (1942, 1944), Okamura (1916), Reinbold (1901), Schmidt (1928), Trono (1969), Tsuda (1964).
Goniotrichum alsidii (Zanard.) Howe—Glassman (1952), Taylor (1950b).
Goniotrichum elegans (Chauvin) Zanard.—Abbott (1961), Dawson (1957).
Gracilaria arcuata Zanard.—Kanda (1944).
Gracilaria cacalia (J. Ag.) Grev. [= *Corallopsis cacalia* J. Ag.]—Okamura (1904, 1916), Schmidt (1928).
Gracilaria coronopifolia J. Ag.—Chapman (1955), Kanda (1944), Yamada (1941).
Gracilaria crassa Harvey—Trono (1969).
Gracilaria eucheumoides Harv.—Kanda (1944), Trono (1969).
Gracilaria lichenoides (L.) J. Ag.—Bryan (1975).

- Gracilaria minor* (Sond.) Grev. [= *Corallopsis minor* (Sond.) J. Ag.]—Glassman (1952), Kanda (1944), Okamura (1904), Reinbold (1901), Schmidt (1928), Tokida (1939a).
- Gracilaria radicans* Hauck—Okamura (1916), Schmidt (1928).
- Gracilaria salicornia* (Mert.) Grev. [*Corallopsis salicornia* Mert.]—Bryan (1975), Safford (1905), Schmidt (1928), Trono (1969).
- Gracilaria verrucosa* (Hudson) Papenfuss [= *Gracilaria confervoides* (L.) Grev.]—Safford (1905).
- Grateloupia filicina* (Wulfen) C. Ag.—Dawson (1957).
- Griffithsia metcalfei* Tseng—Dawson (1956).
- Griffithsia ovalis* Harvey—Dawson (1957).
- Griffithsia rhizophora* (Grun.) W. v. Bosse—Abbott (1961), Taylor (1950b).
- Griffithsia tenuis* C. Ag.—Abbott (1961), Belk and Belk (1975), Dawson (1956, 1957), Gilmartin (1960).
- Halarachnion calcareum* Okamura, 1916 (Ponape, Carolines)—Glassman (1952), Schmidt (1928).
- Haloplegma duperreyi* Montagne—Abbott (1961), Gilmartin (1960), Taylor (1950b).
- Halymenia dilatata* Zanard.—Kanda (1942, 1944).
- Halymenia durvillaei* Bory—Bryan (1975), Emery (1962), Kanda (1944), Trono (1969).
- Halymenia floresia* (Chem.) C. Ag.—Trono (1969).
- Halymenia lacerata* Sond.—Okamura (1916), Schmidt (1928).
- Herposiphonia arcuata* Hollenberg—Hollenberg (1968c), Trono (1969).
- Herposiphonia delicatula* Hollenberg, 1968c (Truk, Carolines)—Trono (1969), Tsuda (1972c).
- Herposiphonia dendroidea* Hollenberg—Hollenberg (1968c), Trono (1969).
- Herposiphonia nuda* Hollenberg—Hollenberg (1968c).
- Herposiphonia obscura* Hollenberg—Hollenberg (1968c).
- Herposiphonia pacifica* Hollenberg—Hollenberg (1968c), Trono (1969).
- Herposiphonia parca* Setch.—Hollenberg (1968c), Trono (1969).
- Herposiphonia secunda* (C. Ag.) Ambrogn.—Chapman (1955), Dawson (1956, 1957), Emery (1962), Kanda (1942, 1944), Reinbold (1901), Schmidt (1928), Taylor (1950b), Tokida (1939a).
- Herposiphonia tenella* (C. Ag.) Naegeli—Abbott (1961), Chapman (1955), Dawson (1956, 1957), Hollenberg (1968c), Kanda (1942, 1944), Taylor (1950b), Tokida (1939a), Trono (1969).
- Herposiphonia trichia* Hollenberg, 1968c (Yap, Carolines)—Trono (1969).
- Herposiphonia variabilis* Hollenberg—Hollenberg (1968c).
- Heterosiphonia wurdemanni* (Bailey) Falkenberg—Abbott (1961), Dawson (1956, 1957), Gilmartin (1960), Taylor (1950b), Yamada (1944b).
- Heteroderma minutula* Foslie—Dawson (1956, 1957).
- Heteroderma subtilissima* Foslie—Dawson (1956, 1957).
- Hildenbrandia prototypus* Nardo—Dawson (1956).

- Hydrolithon reinboldii* (W. v. Bosse & Foslie) Foslie [= *Goniolithon reinboldii* W. v. Bosse & Foslie]—Gordon et al. (1976), Johnson (1957, 1964).
- Hypoglossum attenuatum* Gardner—Tsuda (1972c).
- Hypoglossum barbatum* Okamura—Kanda (1942, 1944).
- Hypoglossum minimum* Yamada—Abbott (1961), Dawson (1957), Gilmartin (1960), Yamada (1944b).
- Hypnea cervicornis* J. Ag.—Tsuda (1964).
- Hypnea esperi* Bory—Dawson (1956, 1957), Gilmartin (1960), Trono (1969), Tsuda (1964, 1972c), Yamada (1944b).
- Hypnea nidulans* Setchell—Abbott (1961), Dawson (1957), Kanda (1942, 1944), Tokida (1939a), Tsuda (1964).
- Hypnea pannosa* J. Ag.—Belk and Belk (1975), Bryan (1975), Dawson (1956, 1957), Glassman (1952), Kanda (1944), May (1966), Okamura (1904, 1916), Schmidt (1928), Trono (1969), Tsuda and Bryan (1973).
- Hypnea spinella* (C. Ag.) Kütz.—Abbott (1961), Taylor (1950b).
- Hypnea valentiae* (Turn.) Montagne—Trono (1969), Tsuda (1964).
- Jania adhaerens* Lamx.—Tsuda (1964).
- Jania antennina* Kütz.—Taylor (1950b).
- Jania capillacea* Harvey—Belk (1975), Bryan (1975), Dawson (1956, 1957), Gilmartin (1960), Moul (1957), Smith and Marsh (1973), Taylor (1950b), Trono (1969), Tsuda (1964, 1972c).
- Jania constricta* Kütz.—Taylor (1950b).
- Jania decussato-dichotoma* (Yendo) Yendo—Dawson (1956, 1957), Gilmartin (1960), Moul (1957), Trono (1969).
- Jania micranthrodia* Lamx.—Dawson (1956, 1957).
- Jania radiata* (Yendo) Yendo—Emery (1962).
- Jania rubens* Lamx.—Chapman (1955), May (1966), Taylor (1950b).
- Jania tenella* Kütz.—Dawson (1956, 1957), Schmidt (1928), Trono (1969), Tsuda (1964).
- Jania ungulata* Yendo—Trono (1969), Tsuda (1964).
- Kylinia secunda* (Lyngb.) Papenfuss—Dawson (1957).
- Laurencia carolinensis* Saito, 1969 (Helen Reef, Carolines).
- Laurencia cartilaginea* Yamada—Trono (1969).
- Laurencia ceylanica* J. Ag.—Okamura (1904), Schmidt (1928).
- Laurencia cruciata* Harvey—Taylor (1950b).
- Laurencia flexilis* Setchell—Yamada (1944b).
- Laurencia intricata* Lamx.—Chapman (1955), Glassman (1952), Okamura (1916), Schmidt (1928).
- Laurencia majuscula* (Harv.) Lucas—Belk and Belk (1975), Trono (1969), Tsuda (1972c), Tsuda and Belk (1972).
- Laurencia mariannensis* Yamada, 1931 (Saipan, Marianas)—Abbott (1961), Dawson (1956, 1957), Saito (1969), Taylor (1950b), Trono (1969).
- Laurencia nana* Howe—Dawson (1957), Tokida (1939a).

- Laurencia obtusa* (Huds.) Lamx.—Kanda (1944), May (1966), Okamura (1904), Saito (1969), Schmidt (1928), Tsuda (1964), Yamada (1931).
- Laurencia okamurai* Yamada—Tsuda (1964).
- Laurencia paniculata* (Ag.) J. Ag.—Tsuda (1964).
- Laurencia papillosa* (Forssk.) Grev.—Kanda (1944), Okamura (1904, 1916), Reinbold (1901), Schmidt (1928), Trono (1969).
- Laurencia parvipapillata* Tseng—Dawson (1957), Tsuda (1972c).
- Laurencia perforata* (Bory) Mont.—Abbott (1961), Cloud (1959), Reinbold (1901), Taylor (1950b).
- Laurencia rigida* J. Ag.—Okamura (1904), Schmidt (1928).
- Laurencia tropica* Yamada—Yamada (1931).
- Laurencia yamadana* Howe—Trono (1969).
- Leveillea jungermannioides* (Mart. & Hering) Harv.—Abbott (1961), Glassman (1952), Okamura (1916), Schmidt (1928), Trono (1969).
- Liagora ceranoides* Lamx.—Abbott (1961), Taylor (1950b).
- Liagora farinosa* Lamx.—Dawson (1957), Taylor (1950b), Trono (1969).
- Liagora hawaiiiana* Butters—Dawson (1957), Taylor (1950b).
- Liagora kahukuana* Abbott—Abbott (1961).
- Liagora megagyna* Boerg.—Taylor (1950b).
- Liagora orientalis* J. Ag.—Dawson (1957).
- Liagora pinnata* Harv.—Dawson (1957).
- Liagora robusta* Yamada—Dawson (1957).
- Liagora valida* Harv.—Taylor (1950b).
- Lithophyllum kotschyianum* (Unger) Foslie—Cloud (1959), Gordon et al. (1976), Johnson (1957, 1964).
- Lithophyllum moluccense* Foslie—Cloud (1959), Gordon et al. (1976), Ishijima (1942), Johnson (1957, 1964), Kanda (1944).
- Lithoporella melobesioides* (Foslie) Foslie—Gordon et al. (1976), Johnson (1957).
- Lithoporella pacifica* (Heydr.) Foslie—Dawson (1956), Gordon et al. (1976).
- Lithothamnion asperulum* Foslie—Gordon et al. (1976).
- Lithothamnion funafutiense* Foslie—Schmidt (1928).
- Lithothamnion philippii* Foslie—Foslie (1899, 1900), Schmidt (1928).
- Lithothamnion simulans* (Foslie) Foslie—Emery (1962).
- Lomentaria hakodatensis* Yendo—Dawson (1956, 1957), Trono (1969).
- Lophosiphonia bermudensis* Collins & Hervey—Dawson (1956, 1957).
- Lophosiphonia cristata* Falkenberg—Hollenberg (1968d).
- Lophosiphonia obscura* (Ag.) Falkenberg—Dawson (1957), Gilmartin (1960), Tsuda (1964).
- Lophosiphonia villum* (J. Ag.) Setch. & Gardn.—Dawson (1956), Gilmartin (1960).
- Malaconema minimum* Hollenberg, 1963 (Bikini, Marshalls).
- Martensia elegans* Hering—Kanda (1944).
- Martensia fragilis* Harvey [= *Hermitrema fragilis* (Harvey) Dawson]—Dawson (1956, 1957), Okamura (1916), Schmidt (1928).

- Mastophora lamourouxii* (Decaisne) Harv.—Safford (1905), Schmidt (1928).
Mastophora macrocarpa Mont.—Bryan (1975).
Mastophora plana (Sonder) Harv.—Schmidt (1928).
Mastophora rosea (C. Ag.) Setch.—Emery (1962).
Mesophyllum erubescens (Foslie) Lemoine—Gordon et al. (1976).
Mesophyllum mesomorphum (Foslie) Adey—Gordon et al. (1976).
Mesothamnion caribaeum Boerg.—Gilmartin (1960).
Murrayella pericladus (C. Ag.) Schmidt—Bryan (1975).
Neogoniolithon conicum (Dawson) Gordon, Masaki & Akioka—Gordon et al., (1976).
Neogoniolithon fosliei (Heyr.) Setch. & Mason [= *Goniolithon fosliei* (Heyd.) Foslie] —Gordon et al. (1976), Johnson (1964).
Neogoniolithon frutescens (Foslie) Setch. & Mason [= *Goniolithon frutescens* Foslie] —Abbott (1961), Cloud (1959), Foslie (1900), Gordon et al. (1976), Johnson (1957, 1964), Taylor (1950b).
Neogoniolithon medioramus (Johnson) Setch. & Mason—[= *Goniolithon medioramus* Johnson, 1964 (Guam, Marianas)].
Neogoniolithon pacificum (Foslie) Setch. & Mason—Gordon et al. (1976).
Neogoniolithon reinboldi (W. v. Bosse & Foslie) Setch. & Mason—Cloud (1959).
Peyssonelia conchicola Piccone & Grunow—Dawson (1956).
Peyssonelia corallis (Ag.) Kylin [= *Gymnosorus corallis* (Ag.) J. Ag.]—Kanda (1944), Okamura (1916), Schmidt (1928).
Peyssonelia gunniana J. Ag.—May (1966).
Peyssonelia rubra (Grev.) J. Ag.—Dawson (1956, 1957), Taylor (1950b), Trono (1969), Tsuda (1972c).
Polysiphonia anomala Hollenberg, 1968a (Bikini, Marshalls).
Polysiphonia apiculata Hollenberg—Hollenberg (1968a), Trono (1969).
Polysiphonia coacta Tseng—Dawson (1956, 1957).
Polysiphonia delicatula Hollenberg—Hollenberg (1968a), Trono (1969).
Polysiphonia dotyi Hollenberg, 1968b (Bikini, Marshalls)—Trono (1969).
Polysiphonia exilis Harv.—Hollenberg (1968b), Trono (1969).
Polysiphonia flaccidissima Hollenberg—Hollenberg (1968a).
Polysiphonia herpa Hollenberg—Hollenberg (1968a), Trono (1969).
Polysiphonia howei Hollenberg—Taylor (1950b).
Polysiphonia pentamera Hollenberg, 1968b (Enewetak, Marshalls)—Trono (1969).
Polysiphonia poko Hollenberg—Hollenberg (1968a), Trono (1969).
Polysiphonia quadrata Hollenberg, 1968a (Marakei, Gilberts)—Tsuda (1964) as *P. coacta* Tseng.
Polysiphonia saratieri Hariot—Hollenberg (1968a), Trono (1969).
Polysiphonia scopulorum Harvey—Belk and Belk (1975), Hollenberg (1968a), Trono (1969), Tsuda (1972c), Tsuda and Belk (1972), Tsuda and Kami (1973), Tsuda et al. (1972).
Polysiphonia setacea Hollenberg—Hollenberg (1968a), Trono (1969).

- Polysiphonia sparsa* (Setchell) Hollenberg—Hollenberg (1968a).
- Polysiphonia sphaerocarpa* Boerg.—Hollenberg (1968a), Trono (1969), Tsuda (1964) as *P. fragilis* Suringar.
- Polysiphonia subtilissima* Montagne—Abbott (1961), Dawson (1956, 1957), Gilmartin (1960), Tsuda (1964).
- Polysiphonia tongatensis* Harvey—Dawson (1956, 1957), Gilmartin (1960), Tsuda (1964).
- Polysiphonia upolensis* (Grunow) Hollenberg—Hollenberg (1968a), Trono (1969).
- Porolithon aequinoctiale* (Foslie) Foslie—Abbott (1961), Taylor (1950b).
- Porolithon craspedium* (Foslie) Foslie—Cloud (1959), Dawson (1957), Emery et al. (1954), Foslie (1900), Johnson (1957, 1964), Lee (1967), Moul (1957), Schmidt (1928), Taylor (1950b), Tsuda (1972c).
- Porolithon gardineri* (Foslie) Foslie—Abbott (1961), Dawson (1957), Emery et al. (1954), Johnson (1962), Lee (1967), Moul (1957), Taylor (1950b).
- Porolithon marshallense* Taylor, 1950b (Rongelap, Marshalls).
- Porolithon onkodes* (Heyd.) Foslie—Abbott (1961), Cloud (1959), Dawson (1957), Doty (1962), Foslie (1899, 1900), Gordon et al. (1976), Johnson (1957, 1962, 1964), Lee (1967), Marsh (1974), McKee (1956), Moul (1957), Schmidt (1928), Smith and Marsh (1973), Taylor (1950b).
- Pterocladia parva* Dawson—Belk (1975), Belk and Belk (1975).
- Pterocladia pinnata* (Huds.) Papenf.—May (1966).
- Rhodymenia anastomosans* W. v. Bosse—Dawson (1956, 1957), Gilmartin (1960).
- Rhodymenia divaricata* Dawson—Trono (1969).
- Spermothamnion orientale* W. v. Bosse—Taylor (1950b).
- Spermothamnion saccorhiza* (Setch. & Gardn.) Feldmann-Mazoyer—Dawson (1956), Gilmartin (1960).
- Sporolithon erythraeum* (Rothpletz) Kylin—Ishijima (1942).
- Sporolithon schmidtii* (Foslie) Gordon, Masaki and Akioka—Gordon et al. (1976).
- Spyridia filamentosa* (Wulf.) Harv.—Bryan (1975), Dawson (1956, 1957), Gilmartin (1960), Kanda (1942, 1944), Okamura (1904, 1916), Schmidt (1928), Taylor (1950b), Tokida (1939a), Tsuda and Kami (1973).
- Spyridia velasquezii* Trono, 1971 (Palau, Carolines).
- Symphyclocladia marchantioides* (Harv.) Falkenberg—Okamura (1916), Schmidt (1928).
- Taenioma perpusillum* J. Ag.—Dawson (1957).
- Tolypiocladia calodictyon* (Harv.) Silva [= *Rochera calodictyon* (Harv.) W. v. Bosse] —Chapman (1955), Dawson (1956, 1957), Gilmartin (1960), Taylor (1950b), Tsuda (1964).
- Tolypiocladia condensata* (W. v. Bosse) Silva [= *Rochera condensata* W. v. Bosse] —Kanda (1944), Tokida (1939a).
- Tolypiocladia glomerulata* (Ag.) Schmidt [= *Roschera glomerulata* (Ag.) W. v. Bosse] —Bryan (1975), Glassman (1952), Kanda (1944), Okamura (1904, 1916), Schmidt (1928), Tokida (1939a), Trono (1969), Tsuda (1972c), Tsuda et al. (1972).

- Vanvoorstia coccinea* J. Ag.—Kanda (1944).
Vanvoorstia spectabilis Harvey—Trono (1969).
Womersleyella pacifica Hollenberg—Hollenberg (1967a).
Wrangelia anastomosans Yamada, 1944b (Ant, Marshalls)—Dawson (1957).
Wrangelia argus (Mont.) Montagne—Dawson (1956, 1957).
Wrangelia bicuspidata Boerg.—Trono (1969).
Wrangelia penicillata C. Ag.—Dawson (1957), Taylor (1950b).
Wurdemannia miniata (Lmk. & D. C.) Feldmann and Hamel—Abbott (1961), Chapman (1955), Dawson (1956, 1957), Tsuda (1964).

III. Island-Reference Index

MARIANA ISLANDS

GUAM—Belk (1971, 1975), Belk and Belk (1975), Bryan (1975), Chave (1954), De Wreede (1973), Dickinson and Tsuda (1975), Drouet (1968, 1973), Ducker (1967), Emery (1962) FitzGerald (1976), Gordon (1976), Gordon et al. (1976), Hohman (1972), Hohman and Tsuda (1976), Hollenberg (1968a, 1968c), Johnson (1964), Jones and Randall (1971), Jones et al. (1974a, 1976), Marsh (1974), Marsh and Doty (1975, 1976), Marsh and Gordon (1974), Merten (1971), Moul (1974), Peterson (1972), Prowazek (1913), Randall (1974), Randall et al. (1974, 1975), Safford (1905), Schmidt (1928), Stone (1966), Taylor (1964, 1966), Tobias (1976), Tsuda (1968, 1970, 1971, 1972a, 1972b, 1974), Tsuda and Bryan (1973), Tsuda and Kami (1973), Tsuda et al. (1972), Zaneveld (1955).

ROTA—Tsuda (1969).

SAIPAN—Cloud (1959), Goreau et al. (1972), Ishijima (1942), Johnson (1957), Moul (1964), Okamura (1904, 1916), Schmidt (1928), Taylor (1964, 1966), Yamada (1931, 1940, 1941a).

TINIAN—Jones et al. (1974b).

CAROLINE ISLANDS

PALAU DISTRICT

HELEN REEF—Hollenberg (1968a, 1968b, 1968c), Saito (1969), Trono (1968, 1969).

KAYANGEL—Lowenstam (1955), Tsuda (1976).

PALAU—Birkeland et al. (1976), Chave (1954), De Wreede (1973), Hollenberg (1968a, 1968b, 1968c), Ishijima (1942), Kanda (1940a, 1940b, 1942, 1944), Motoda (1939), Okamura (1904, 1916), Saito (1969), Schmidt (1928), Tanaka (1936), Tokida (1939a, 1939b), Trono (1968, 1969, 1971), Yamada (1930, 1940, 1941a, 1941b, 1944).

PULO ANNA—Hollenberg (1968a, 1968c), Trono (1968, 1969).

YAP DISTRICT

IFALUK—Abbott (1961), Drouet (1968), Trono (1968, 1969, 1971).

SOROL—Trono (1968, 1969).

ULITHI—De Wreede (1973), Trono (1968, 1969), Tsuda (1976).

YAP—Amesbury et al. (1976), De Wreede (1973), Hollenberg (1968a, 1968c), Okamura (1904, 1916), Reinbold (1901), Schmidt (1928), Sugiyama (1942), Tsuda and Belk (1972).

TRUK DISTRICT

KUOP—Tsuda (1972).

OROLUK—Trono (1968, 1969).

PULUWAT—Hollenberg (1968a), Trono (1968, 1969).

TRUK—Cordero (1974), De Wreede (1973), Hollenberg (1967a, 1968a, 1968b, 1968c), Okamura (1916), Schmidt (1928), Taylor (1966), Trono (1968, 1969, 1971), Tsuda (1972c), Tsuda et al. (1975, In Press), Yamada (1940, 1941a).

ULUL—Trono (1968, 1969).

PONAPE DISTRICT

ANT—Colinvaux (1968), Yamada (1940, 1941a, 1944a, 1944b).

KAPINGAMARANGI—Colinvaux (1968), Drouet (1968), McKee (1956), Moul (1964), Newhouse (1969).

KUSAIE—Drouet (1968), Hollenberg (1968a, 1968c), Okamura (1916), Schmidt (1928), Trono (1968, 1969, 1971), Yamada (1940, 1941a).

MOKIL—Cordero (1974), Glassman (1953), Trono (1968, 1969, 1971).

PINGELAP—Trono (1968, 1969).

PONAPE—De Wreede (1973), Drouet (1968), Glassman (1952), Hollenberg (1968a, 1968b, 1968c), Okamura (1916), Schmidt (1928), Trono (1968, 1969), Tsuda et al. (1974), Yamada (1940, 1941a, 1941c).

MARSHALL ISLANDS

AILUK—Moul (1964), Taylor (1966).

ARNO—Dawson (1956), Drouet and Daily (1956), Hollenberg (1967a, 1968a, 1968b), Moul (1964), Taylor (1966).

BIKAR—Drouet and Daily (1956), Moul (1964), Taylor (1966).

BIKINI—Colinvaux (1968), Drouet and Daily (1956), Emery et al. (1954), Hillis (1959), Hollenberg (1963, 1967a, 1967b, 1968b, 1968c), Nizamuddin (1963), Palumbo (1950), Taylor (1950b, 1964).

ENEWETAK (ENIWETOK)—Bakus (1967), Dawson (1957), Drouet and Daily (1956), Gilmartin (1960, 1966), Hillis (1959), Hollenberg (1967a, 1968a, 1968b, 1968c, 1968d), Lowman and Palumbo (1962), Marsh (1970), Odum and Odum (1955), Palumbo (1950, 1955, 1959), Smith and Marsh (1973), Taylor (1950b, 1964), Webb et al. (1975), Wiebe et al. (1975).

JALUIT—Dawson (1956), Taylor (1964).

KWAJALEIN—Amesbury et al. (1975a), Dawson (1956), Drouet and Daily (1956), Moul (1964), Taylor (1964, 1966).

LAE—Moul (1964), Taylor (1966).

LIKIEP—Moul (1964), Palumbo (1950), Taylor (1966).

- MAJURO—Amesbury et al. (1975b), Dawson (1956), Hollenberg (1968a), Taylor (1964).
 POKAK—Drouet and Daily (1956), Moul (1964).
 RONGELAP—Hillis (1959), Lee (1967), Taylor (1950b).
 RONGERIK—Hillis (1959), Taylor (1950b).
 TAKA—Drouet and Daily (1956).
 UJAE—Moul (1964), Taylor (1966).
 UJELANG—Moul (1964), Taylor (1966).
 UTIRIK—Drouet and Daily (1956), Taylor (1966).
 WOTHO—Drouet and Daily (1956), Moul (1964), Taylor (1966).

GILBERT ISLANDS

- ABEMAMA—Hollenberg (1968c), May (1966), Tsuda (1964).
 BERU—Catala (1957), Drouet and Daily (1956).
 BONRIKI—May (1966).
 BUTARITARI—May (1966).
 MARAKEI—Cooper (1964), Hollenberg (1968a, 1968c), Tsuda (1964).
 NONOUTI—Tsuda (1964).
 NUKUNAU—Catala (1957), Tsuda (1964).
 ONOTOA—Cloud (1952), Colinvaux (1968), Drouet and Daily (1956), Hillis (1959), Howe (1912), Moul (1957, 1959), Setchell (1928), Taylor (1964).
 TAMANA—Tsuda (1964).
 TARAWA—May (1966), Tsuda (1964).

ELLICE ISLANDS

- FUNAFUTI—Barton (1900), Chapman (1955), Colinvaux (1968), Drouet (1968), Finckh (1904), Foslie (1899, 1900), Howe (1912), Schmidt (1928), Setchell (1928).

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