

XXXII.—LIST OF THE MARINE ALGÆ OF THE UNITED STATES.

BY W. G. FARLOW, M. D.*

CLASS ALGÆ.

SUBCLASS FLORIDEÆ.

ORDER RHODOMELEÆ

(*inc.* LAURENCIÆÆ).

- AMANSIA MULTIFIDA, Lmx.
Key West; West Indies; Brazil.
- DASYA GIBBESII, Harv.
Key West; Cuba.
- DASYA ELEGANS, Ag. *Chenille*.
Key West to Cape Cod; Salem, Mass[?]; Southern Europe; West
Indies.
- DASYA RAMOSISSIMA, Harv.
Key West.
- DASYA HARVEYI, Ashmead.
Key West.
- DASYA MOLLIS, Harv.
Key West; Cuba.
- DASYA MUCRONATA, Harv.
Key West.
- DASYA WURDEMANNI, Bailey.
Key West.
- DASYA CALLITHAMNION, Harv.
San Diego; Santa Barbara, Cal.
- DASYA TUMANOWICZI, Gatty.
Key West.
- DASYA LOPHOCLADUS, Mont.
Key West.
- DASYA PLUMOSA, Bail. and Harv.
Pacific coast.

* The classification adopted is a modification of that given by Thuret in *Le Jolis's Liste des Algues Marines de Cherbourg*.

BOSTRYCHIA MONTAGNEI, Harv.

Key West.

BOSTRYCHIA CALAMISTRATA, Mont.

Key West; West Indies; Pacific Ocean.

BOSTRYCHIA RIVULARIS, Harv.

Isle of Shoals, N. H., to Florida; Australia.

BOSTRYCHIA TUOMEYI, Harv.

Florida; Pacific Ocean.

BOSTRYCHIA MORITZIANA, Mont.

Florida; Guiana; and the West Indies.

POLYSIPHONIA URCEOLATA, Grev.

New York, northward; California. North Atlantic and Pacific.

Var. *patens*, Cape Ann, Mass.; Santa Cruz, Cal. Var. *formosa*,
New England.

POLYSIPHONIA SENTICULOSA, Harv.

Santa Cruz, Cal.; Vancouver's Island.

POLYSIPHONIA HAVANENSIS, Mont.

Var. *Binneyi*, Ag., Key West; France; West Indies.

POLYSIPHONIA FERULACEA, Ag.

Key West; West Indies; Pacific Ocean; Australia.

POLYSIPHONIA SUBTILISSIMA, Mont.

Jackson's Ferry, West Point, N. Y.; Providence, R. I.; New-
buryport, Mass.; southward to Guiana.

POLYSIPHONIA SECUNDA, Ag.

Key West; Southern Europe.

POLYSIPHONIA FRACTA, Harv.

Key West.

POLYSIPHONIA ECHINATA, Harv.

Key West.

POLYSIPHONIA HAPALACANTHA, Harv.

Key West.

POLYSIPHONIA GORGONIÆ, Harv.

Key West; Loo Choo Islands.

POLYSIPHONIA OLNEYI, Harv. *Dough-balls*.

Long Island Sound.

POLYSIPHONIA HARVEYI, Bail. *Nigger-hair*.

New York, northward. Var. *arietina*, Harv., same limits.

POLYSIPHONIA PIRTA, Ag.

Key West; Mediterranean.

POLYSIPHONIA ELONGATA, Grev. *Lobster-claws*.

Long Island Sound to Lynn, Mass.; Europe.

POLYSIPHONIA VIOLACEA, Grev.

New York, northward; Europe.

- POLYSIPHONIA FIBRILLOSA, Grev.
Noank, Conn.; Orient Point, L. I.; Wood's Hole, Mass.; Europe.
- POLYSIPHONIA COLLABENS, Ag.
San Diego, Cal. ?; Southern Europe.
- POLYSIPHONIA VARIEGATA, Ag.
Cape Cod, southward; Europe.
- POLYSIPHONIA PENNATA, Ag.
Southern California; Southern Europe; Australia.
- POLYSIPHONIA PARASITICA, Grev.
California; Rhode Island ?; Europe. Var. *dendroidea*, Ag., California; Chili.
- POLYSIPHONIA BAILEYI, Ag.
Pacific coast.
- POLYSIPHONIA PECTEN-VENERIS, Harv.
Florida.
- POLYSIPHONIA EXILIS, Harv.
Key West.
- POLYSIPHONIA ATRORUBESCENS, Grev.
New York to Cape Ann; west coast ?; Europe; Africa; Falkland Isles.
- POLYSIPHONIA BIPINNATA, Post. and Rupr.
West coast; North Pacific.
- POLYSIPHONIA WOODII, Harv.
West coast.
- POLYSIPHONIA NIGRESCENS, Grev.
East and west coasts; Europe.
- POLYSIPHONIA VERTICILLATA, Harv.
California.
- POLYSIPHONIA FASTIGIATA, Grev.
New York, northward; California ?; Europe.
- ODONTHALIA ALEUTICA, Ag.
Oregon; North Pacific.
- ODONTHALIA LYALLII, Harv.
Vancouver's Island.
- ODONTHALIA DENTATA, Lyngb.
California; New England ?; Northern Europe; Nova Scotia; Canada.
- RHODOMELA LARIX, Ag.
Oregon and California; North Pacific.
- RHODOMELA FLOCCOSA, Ag.
Oregon and California; North Pacific.
- RHODOMELA SUBFUSCA, Ag.
New York northward. Var. *gracilis*, same limits. Var. *Rochei*, Long Island Sound; North Atlantic, and Pacific

- DIGENIA SIMPLEX, Ag.
Key West; Southern Europe; Indian Ocean; Red Sea.
- BRYOTHAMNION TRIANGULARE, Ag.
Key West; West Indies; Brazil.
- BRYOTHAMNION SEAFORTHII, Ag.
Florida to Brazil.
- ALSIDIUM BLODGETTII, Harv.
North Carolina and southward.
- ACANTHOPHORA THIERII, Lmx.
Florida to Brazil; Pacific Ocean.
- ACANTHOPHORA MUSCOIDES, Ag.
Florida to Brazil; east coast of Africa.
- ACANTHOPHORA DELILEI, Lmx.
Florida; Mediterranean and Red Seas.
- CHONDRIA DASYPHYLLA, Ag.
Cape Cod, southward; Europe; Australia.
- CHONDRIA STRIOLATA, Ag. (*C. Baileyana*, Mont.).
Cape Cod, southward; Adriatic Sea.
- CHONDRIA TENUISSIMA, Ag.
Long Island Sound; Europe; Australia.
- CHONDRIA LITTORALIS, Harv.
Wood's Hole, Mass.; Florida; Mexico.
- CHONDRIA ATROPURPUREA, Harv.
Charleston, S. C., and southward; California.
- CHONDRIA NIDIFICA, Harv.
Pacific coast.
- LAURENCIA PINNATIFIDA, Lmx. *Pepper-dulse*.
California; Europe; Pacific and Indian Oceans and Red Sea.
- LAURENCIA VIRGATA, Ag.
California; Cape of Good Hope.
- LAURENCIA OBTUSA, Lmx.
Florida; California; common in all tropical seas.
- LAURENCIA IMPLICATA, Ag.
Key West; West Indies.
- LAURENCIA CERVICORNIS, Harv.
Key West.
- LAURENCIA GEMMIFERA, Harv.
Florida.
- LAURENCIA PAPILLOSA, Grev.
Florida; common in all tropical seas.
- LAURENCIA PANICULATA, Ag.
Key West; Atlantic coast of Spain; Mediterranean and Adriatic Seas.

ORDER CHYLOCLADIEÆ.

- CHYLOCLADIA OVALIS, Hook. (*Lomentaria*, Endl.)
California. Var. *Coulteri*, Harv., California; Europe.
- ? LOMENTARIA SACCATA, J. Ag.
California.

ORDER SPHÆROCOCOIDEÆ.

- GRINNELLIA AMERICANA, Harv.
Long Island Sound to Norfolk, Va.
- DELESSERIA SINUOSA, Lmx.
Long Island Sound, northward; Europe; Arctic Ocean.
- DELESSERIA QUERCIFOLIA, Bory.
California; Cape Horn and Antarctic Ocean.
- DELESSERIA ALATA, Lmx.
Nahant, Mass., northward; Northern Europe.
- DELESSERIA ANGUSTISSIMA, Griff.
Gloucester, Mass.; Great Britain.
- DELESSERIA WOODII, Ag., Bidrag.
Vancouver's Island.
- DELESSERIA HYPOGLOSSUM, Lmx.
Charleston, S. C., and southward; Europe.
- DELESSERIA TENUIFOLIA, Harv.
Key West.
- DELESSERIA INVOLVENS, Harv.
Key West.
- DELESSERIA LEPRIEURII, Mont.
West Point, N. Y., and southward; in tropical and subtropical seas.
- DELESSERIA DECIPIENS, Ag., Bidrag.
West coast.
- NITOPHYLLUM PUNCTATUM, var. *ocellatum*, Grev.
Smithville, N. C.; Key West; Europe; Tasmania.
- NITOPHYLLUM SPECTABLE, Eaton, mscr.
California.
- NITOPHYLLUM LACERATUM, Grev.
California; Europe.
- NITOPHYLLUM LATISSIMUM, Ag., Bidrag.
California.
- NITOPHYLLUM AREOLATUM, Eaton, mscr.
California.
- NITOPHYLLUM FRYEANUM, Harv.
California.

NITOPHYLLUM (NEUROGLOSSUM) ANDERSONII, Ag.
California.

NITOPHYLLUM RUPRECHTIANUM, Ag., Bidrag.
West coast.

NITOPHYLLUM FISSUM, Ag., Bidrag.
West coast?; Cape of Good Hope; Peru.

CALLIBLEPHARIS CILIATA, Kütz.
Cape Ann, Mass., northward; Europe.

GRACILARIA MULTIPARTITA, Ag.
East and west coasts; Europe. Var. *angustissima*, Harv., New York to Cape Cod.

GRACILARIA COMPRESSA, Grev.
Key West; Europe.

GRACILARIA CERVICORNIS, Ag.
Key West to Brazil.

GRACILARIA CONFERVOIDES, Grev.
Charleston, S. C., and southward; California; Oregon; Europe;
East and West Indies; Australia.

GRACILARIA ARMATA, Ag.
Key West; Mediterranean and Adriatic Seas.

GRACILARIA DIVARICATA, Harv.
Key West.

GRACILARIA POITEI, Lmx.
Key West; West Indies.

?GRACILARIA DAMÆCORNIS, Ag.
Atlantic coast.

GRACILARIA? BLODGETTII, Harv.
Key West.

ORDER CORALLINEÆ.

*CORALLINA OFFICINALIS, L.
New York, northward; California and Oregon; Europe; North Atlantic and Pacific.

CORALLINA SQUAMATA, Ellis and Sol.
California; Europe.

JANIA RUBENS, Lmx.
Key West; San Diego, Cal.; Europe; Cape of Good Hope; Pacific Ocean.

JANIA CUBENSIS, Mont.
Key West; Cuba.

JANIA CAPILLACEA, Harv.
Key West.

AMPHIROA FRAGILLISSIMA, Lmx.
Florida; West Indies.

- AMPHIROA DEBILIS, Kütz.
Florida; West Indies.
- AMPHIROA CALIFORNICA, Decaisne.
West coast.
- MELOBESIA MEMBRANACEA, Lmx.
East coast; Europe; Australia.
- MELOBESIA FARINOSA, Lmx.
East coast; Europe; Australia.
- MELOBESIA PUSTULATA, Lmx.
East and west coasts; Europe; Australia.
- LITHOTHAMNION POLYMORPHUM, Aresch.
Eastport, Me.; Europe.
- HILDENBRANDTIA ROSEA, Kütz.
New England coast; Europe.

ORDER GELIDIEÆ.

- GELIDIUM CORNEUM, Lmx.
Florida; California. Var. *crinale*, Charlestown, S. C.; New Haven, Conn.; Wood's Hole, Mass.; Portland, Me. Found in almost all seas.
- GELIDIUM CARTILAGINEUM, Grev.
Santa Cruz; San Diego, Cal.; Cape of Good Hope; Madagascar; Philippine Islands; Brazil.
- GELIDIUM COULTERI, Harv.
California.
- WURDEMANNIA SETACEA, Harv.
Key West.
- EUCHEUMA ISIFORME, Ag.
Key West; West Indies.
- EUCHEUMA? ACANTHOCLADUM, Ag. (*Chrysymenia*, Harv.)
Key West.

ORDER HYPNEÆ

- HYPNEA MUSCIFORMIS, Lmx.
Wood's Hole, Mass., and southward; California. In nearly all temperate and tropical seas.
- HYPNEA? CRINALIS, Harv.
California.
- HYPNEA DIVARICATA, Grev.
Key West; Gulf of Mexico; Australia.
- HYPNEA CORNUTA, Ag.
Key West; Pacific Ocean.

ORDER RHODYMENIEÆ.

- RHODYMENIA PALMATA, Grev. *Common dulse.*
North Carolina, northward; west coast?; Europe; Cape Horn, &c.
- RHODYMENIA PALMETTA, Grev.
Halifax, N. S.; Southern California; Europe.
- RHODYMENIA CORALLINA, Grev.
Southern California; Chili; New Zealand; Antarctic Ocean.
- EUTHORA CRISTATA, Ag.
Nahant, Mass., and northward, common; dredged off Block Island, R. I., and off Gay Head, Mass.; Northern Europe.
- PLOCAMIUM COCCINEUM, Lyngb.
West coast, common; East coast?; found in some form in nearly all seas.
- STENOGRAMMA INTERRUPTA, Mont.
California; Australia; Europe.
- PIKEA CALIFORNICA, Harv.
California.
- CHAMPIA PARVULA, Harv.
Cape Cod, southward; Europe.
- LOMENTARIA BAILEYANA, Farlow (*Chylocladia*, Harv.).
Cape Cod southward to West Indies.
- LOMENTARIA ROSEA, Thuret.
Newport, R. I.; Gay Head, Mass.; Portsmouth, N. H.; Europe.
- RHABDONIA TENERA, Ag., Bidrag (*Solieria chordalis*, Ner. Am. Bor.).
Cape Cod, southward; West Indies.
- RHABDONIA COULTERI, Harv.
California.
- RHABDONIA RAMOSISSIMA, Ag., Bidrag (*Chrysymenia*, Harv.).
Key West.
- ?CORDYLECLADIA HUNTII, Harv.
Narragansett Bay.
- CORDYLECLADIA? IRREGULARIS, Harv. (*Chylocladia rigens*, Ag.).
Key West; West Indies.
- CORDYLECLADIA CONFERTA, Ag.
San Diego, Cal; Spain; Algeria.

ORDER SPONGIOCARPEÆ.

- POLYIDES ROTUNDUS, Ag.
New York, northward; Europe.

ORDER SQUAMARIEÆ.

- PEYSSONNELIA ATRO-PURPUREA, Crouan?
Key West; Eastport, Me.; Europe.

ORDER BATRACHOSPERMEÆ.

HELMINTHORA DIVARICATA, Ag.

Key West; Europe.

NEMALION MULTIFIDUM, Ag.

Watch Hill, R. I., and northward; Europe.

SCINATA FURCELLATA, Bivon.

Newport, R. I.; Gay Head, Katama, Mass.; California. Var. *undulata*, San Diego, Cal.; Europe. Generally in the warmer seas.

LIAGORA VALIDA, Harv.

Florida.

LIAGORA PINNATA, Harv.

Florida.

LIAGORA LEPROSA, Ag.

Key West; Gulf of Mexico; Loo Choo Islands.

LIAGORA PULVERULENTA, Ag.

Key West; Gulf of Mexico; Japan.

LIAGORA FARIONICOLOR, Melville.

Key West.

LIAGORA CAYOHUESONICA, Melville.

Key West.

ORDER WRANGELIÆ.

WRANGELIA PENICILLATA, Ag.

Key West; Southern Europe.

WRANGELIA MULTIFIDA, Ag.

Key West; Europe.

ORDER GIGARTINEÆ.

PHYLLOPHORA BRODLÆI, Ag.

Long Island Sound, northward; Northern Europe.

PHYLLOPHORA MEMBRANIFOLIA, Ag.

Long Island Sound and northward; Northern Europe.

PHYLLOPHORA CLEVELANDII, Farlow.

San Diego, Cal.

GYMNOGONGRUS NORVEGICUS, Ag. (inc. *G. Torreyi*, Ag.).

Penobscot Bay; Peak's Island, Me.; Beverly, Nahant, Mass.; also near New York; Europe.

GYMNOGONGRUS TENUIS, Ag.

California; West Indies.

GYMNOGONGRUS GRIFFITHSIÆ, Ag.

California; Europe.

GYMNOGONGRUS LINEARIS, Ag.

California.

AHNFELTIA GIGARTINOIDES, Ag.

West coast.

AHNFELTIA PLICATA, Fr.

New York, northward; west coast; Europe.

AHNFELTIA? *PINNULATA*, Harv.

Key West.

CYSTOCLONIUM PURPURASCENS, Kütz.

New York, northward; Europe.

CALLOPHYLLIS LACINIATA, Kütz.

Cape Henlopen, N. C.; California; Europe.

CALLOPHYLLIS VARIEGATA, Ag.

California; Peru; Antarctic Ocean.

CALLOPHYLLIS OBTUSIFOLIA, Ag.

San Diego, Cal.; Southern Ocean.

CALLOPHYLLIS DISCIGERA, Ag.

California; Cape of Good Hope.

CALLOPHYLLIS ORNATA, Mont.

California?; Auckland Islands.

CALLOPHYLLIS FLABELLULATA, Harv.

California; Vancouver's Island.

CONSTANTINEA SITCHENSIS, Post. and Rupr.

Oregon; Santa Cruz, Cal.; Alaska.

GIGARTINA ACICULARIS, Lmx.

Florida; Europe; Indian and Southern Ocean.

GIGARTINA CANALICULATA, Harv.

West coast.

GIGARTINA MOLLIS, Bail. and Harv.

Puget Sound.

GIGARTINA MAMILLOSA, Ag.

Massachusetts Bay, northward; Oregon; Santa Cruz, Cal.;
Europe; North Atlantic and Pacific.

GIGARTINA MICROPHYLLA, Harv.

California.

GIGARTINA JARDINI, Ag., Bidrag.

California.

GIGARTINA VOLANS, Ag.

West coast?

GIGARTINA SPINOSA, Kütz.

California.

GIGARTINA RADULA, Ag.

Westcoast. Cape of Good Hope; Australia; Auckland Islands;
Var. *exasperata*, West coast.

GIGARTINA CHAMISSOI, Mout.

California?; Peru; Brazil.

*CHONDRUS CRISPUS, Lyngb. *Irish moss.*

North Carolina; New York, and northward. Very common.

CHONDRUS AFFINIS, Harv.

California.

CHONDRUS CANALICULATUS, Ag.

California; west coast of South America.

IRIDÆA LAMINARIOIDES, Bory. (including *Iridæa minor* and *Iridæa dichotoma*).

West coast of North and South America.

IRIDÆA PUNICEA, Post. and Rupr.

Santa Cruz, Cal.?; Sitka.

ENDOCLADIA MURICATA, Ag.

West coast.

GLOIOPELTIS FURCATA, Ag.

Oregon; North Pacific.

ORDER CRYPTONEMIÆ.

CRYPTONEMIA CREMULATA, Ag.

Key West to Brazil.

CRYPTONEMIA LUXURIANS, Ag.

Key West to Brazil.

CHRYSYMENIA ENTEROMORPHA, Harv.

Key West.

CHRYSYMENIA HALYMENIOIDES, Harv.

Key West.

CHRYSYMENIA AGARDHII, Harv.

Key West.

CHRYSYMENIA UVARIA, Ag.

Key West to Brazil; Europe.

HALYMENIA LIGULATA, Ag.

Key West. Var. *Californica*; Santa Cruz, Cal.; Europe.

HALYMENIA FLORESIA, Ag.

Key West; Europe.

CORYNOMORPHA CLAVATA, Ag., Bidrag (*Acrotylus*, Harv.).

Key West.

PRIONITIS LANCEOLATA, Harv.

West coast.

PRIONITIS ANDERSONII, Eaton, mscr.

Santa Cruz, Cal.

*SCHIZYMENIA EDULIS, Ag.

Oregon; Europe; Japan.

SCIZYMENIA ? COCCINEA, Harv.

Santa Cruz, Cal.; Vancouver's Island.

GRATELOUPIA GIBBESII, Harv.

Charleston, S. C., and southward.

GRATELOUPIA CUTLERIÆ, Kütz.

California; Chili.

GRATELOUPIA FILICINA, Ag.

Florida; West Indies; Europe; Indian Ocean.

NEMASTOMA ? BAIRDII, Farlow.

Gay Head, Mass.

ORDER DUMONTIÆ.

HALOSACCION HYDROPHORA, Ag.

West coast.

HALOSACCION FUCICOLA, Post. and Rupr.

West coast.

HALOSACCION RAMENTACEUM, Ag.

Gloucester, Mass., and northward; Northern Europe.

CATANELLA PINNATA, Harv.

Key West.

ORDER SPYRIDIÆ.

SPYRIDIA ACULEATA, Kütz.

Florida; Gulf of Mexico; Europe; Red Sea.

SPYRIDIA FILAMENTOSA, Harv.

Massachusetts Bay, southward; Europe; all warm seas.

ORDER CERAMIÆ.

MICROCLADIA COULTERI, HARV.

West coast.

MICROCLADIA CALIFORNICA, Farlow.

California.

MICROCLADIA BOREALIS, Rupr.

West coast.

CENTROCERAS CLAVULATUM, Ag.

Key West; California. Common in all tropical and subtropical seas.

CENTROCERAS EATONIANUM, Farlow.

West coast.

CERAMIUM NITENS, Ag.

Key West; West Indies.

CERAMIUM RUBRUM, Ag.

Everywhere.

- CERAMIUM DESLONGCHAMPSII, Ch.
Nahant, Mass., and northward; Europe; Tasmania.
- CERAMIUM DIAPHANUM, Roth.
Occasionally found on the New England coast; California;
Europe; Cape of Good Hope; Australia.
- CERAMIUM STRICTUM, Harv.
New England; Europe.
- CERAMIUM YOUNGII, Farlow, mscr.
Canarsie, L. I.
- CERAMIUM TENUISSIMUM, Lyngb.
Key West; Europe.
- CERAMIUM FASTIGIATUM, Harv.
Southern New England; Europe.
- CERAMIUM BYSSOIDEUM, Harv.
Key West.
- PTILOTA Densa, Ag.
Southern California.
- PTILOTA HYPNOIDES, Harv.
California.
- PTILOTA ASPLENIODES, Ag.
Oregon, northward.
- PTILOTA PLUMOSA, Ag.
East and west coasts. Var. *flicina*, west coast. Var. *serrata*.
New England from Nahant northward; also northwest coast;
Northern Europe.
- PTILOTA ELEGANS, Bonnem.
New York, northward; Europe.
- GLOIOSIPHONIA CAPILLARIS, Carm.
Long Island Sound to Cape Ann, Mass.; Europe.
- CROUANIA ATTENUATA, J. Ag.
Key West; Europe; Australia.
- HALURUS EQUISETIFOLIUS, Kütz.
New York?; Europe.
- GRIFFITHSIA CORALLINA?, Ag.
New York to Gloucester, Mass.; Europe; Australia.
- CALLITHAMNION ARBUSCULA, var. *Pacifica*, Ag. (*C. Pikeanum*, Harv.).
California.
- CALLITHAMNION TETRAGONUM, Ag.
New York to Cape Cod; Europe.
- CALLITHAMNION BAILEYI, Harv.
New York, southward.
- CALLITHAMNION PTILOPHORA, Eaton, mscr.
California.

- CALLITHAMNION SQUARRULOSUM, Harv.
California.
- CALLITHAMNION BORRERI, Ag.
New York to Nantucket; Europe.
- CALLITHAMNION POLYSPERMUM, Ag.
New York, southward; west coast; Europe.
- CALLITHAMNION BYSSOIDEUM, Arn.
Nahant to New York; Europe.
- CALLITHAMNION DIETZLÆ, Hooper.
Long Island Sound.
- CALLITHAMNION CORYMBOSUM, Ag.
New York, northward; Europe.
- CALLITHAMNION VERSICOLOR, Ag., var. *scirospermum*, Harv.
New York, northward; Europe.
- CALLITHAMNION PLUMULA, Lyngb.
Long Branch, N. J., to Gay Head, Mass.; Europe; Southern
Ocean.
- CALLITHAMNION HETEROMORPHUM, Ag., mscr.
California.
- CALLITHAMNION AMERICANUM, Harv.
New York, northward; Vancouver's Island.
- CALLITHAMNION PYLAISÆI, Mont.
Orient, L. I., and northward; Europe.
- CALLITHAMNION FLOCCOSUM, Ag.
Massachusetts Bay, northward; Northern Europe. Var. *Pacificum*, Harv. Santa Cruz, Cal.
- CALLITHAMNION CRUCIATUM, Ag.
New York to Cape Cod; Europe.
- CALLITHAMNION LEJOLISIA, Farlow, mscr.
San Diego, Cal.
- CALLITHAMNION TURNERI, Ag.
New York to Cape Cod; Europe.
- CALLITHAMNION ROTHII, Lyngb.
New England coast; Europe.

?ORDER PORPHYREÆ.

- *PORPHYRA VULGARIS, Ag. *Laver*.
Everywhere.
- BANGIA VERMICULARIS, Harv.
West coast.
- BANGIA FUSCOPURPUREA, Lyngb.
East coast; Europe.

?FLORIDEÆ.

INCERTÆ SEDIS.

- CHANTRANSIA DAVIESII, Thur.
Gloucester, Gay Head, Mass. ; Europe.
- CHANTRANSIA SECUNDATA, Thur.
Peak's Island, Me.
- CHANTRANSIA VIRGATULA, Thuret.
New York, northward ; Europe.
- ERYTHROTRICHIA CILIARIS, Thuret.
Charleston, S. C. ; Europe.
- ERYTHROTRICHIA CERAMICOLA, Aresch.
Buzzard's Bay, Cape Ann, Mass. ; Portland Harbor, Me.
- GONIOTRICHUM ELEGANS, Zanard.
Cotuit Port, Mass.

SUBCLASS MELANOSPORÆ.

ORDER DICFYOTEÆ.

- HALYSERIS POLYPODIOIDES, Ag.
North Carolina ; Europe.
- PADINA PAVONIA, Lmx. *Peacock's-tail*.
East coast from North Carolina southward ; Europe ; in most warm seas.
- ZONARIA LOBATA, Ag.
Key West ; West Indies ; Cape of Good Hope ; Brazil ; Pacific Ocean.
- ZONARIA FLAVA, Ag.
California ? ; Southern Europe and Northern Africa.
- ZONARIA INTERRUPTA, Ag.
California ; Cape of Good Hope ; Australia ; New Zealand.
- TAONIA ? SCHROEDERI, Ag.
Florida to Brazil.
- DICTYOTA FASCIOLA, Lmx.
Florida ; Mediterranean Sea.
- DICTYOTA DICHOTOMA, D. C.
Charleston, southward ; common in all warm seas.
- DICTYOTA CILIATA, Ag.
Key West ; West Indies.
- DICTYOTA KUNTHII, Ag.
San Diego, Cal. ; Peru ; New Zealand.

DICTYOTA BARTAYRESIANA, Lmx.

Key West; West Indies.

DICTYOTA ACUTILOBA, Ag.

Key West?; Sandwich Islands.

ORDER FUCACEÆ.

SARGASSUM VULGARE, Ag.

Atlantic coast, from Cape Cod south; Atlantic Ocean generally;
Australia.

SARGASSUM AFFINE, Ag.

Florida; West Indies.

SARGASSUM BACCIFERUM, Ag. *Gulf-weed.*

Gulf Stream and floating off the southern coast; Europe; Indian
and Pacific Oceans; Australia; New Zealand; forming great
masses in what is known as the Sargasso Sea in the Atlantic.

SARGASSUM FILIPENDULA, Ag.

Key West; Gulf of Mexico.

SARGASSUM DENTIFOLIUM, Ag.

Key West; Red Sea.

SARGASSUM AGARDIANUM, Farlow, mscr.

San Diego, Cal.

SARGASSUM PILULIFERUM, Ag.

Guadeloupe Island, off California; Japan.

TURBINARIA VULGARIS, Ag.

Key West; West Indies; Red Sea; China; Indian Ocean; Aus-
tralia.

PHYLLOSPORA MENZIESII, Ag.

Var. *glabra*, west coast.

HALIDRYS OSMUNDACEA, Harv.

West coast.

FUCUS FASTIGIATUS, Ag.

West coast.

* FUCUS (OZOTHALLIA) NODOSUS, L. *Rock-weed.*

East coast, north of Charleston; Europe; North Atlantic.

FUCUS DISTICHUS, L. (*F. filiformis*, Gm.).

Marblehead, Mass.; Europe.

* FUCUS FURCATUS, Ag.

Nahant, Mass., and northward; California.

FUCUS CERANOIDES, L.

East coast; Europe.

FUCUS HARVEYANUS, D.c. n.c.

Monterey, Cal.

*FUCUS VESICULOSUS, L. *Rock-weed.*

East coast, north of Charleston; west coast; Europe; North Atlantic and Pacific; Australia?

FUCUS SERRATUS, L.

Newburyport, Mass.; Nova Scotia; Europe.

ORDER PHÆOSPOREÆ.

SUBORDER LAMINARIÆ.

*MACROCYSTIS PYRIFERA, Ag. *Great kelp of Oregon and California.*

West coast of North and South America; Australia; and Antarctic Ocean.

LESSONIA NIGRESCENS, Bory.

Oregon; Chili; southward.

*NEREOCYSTIS LÜTKEANA, Post. and Rupr. *Great bladder-weed.*

Monterey, Cal., and northward.

POSTELSIA PALMÆFORMIS, Ruprecht. *Kakum-chale.*

Santa Cruz, Cal., and northward.

PTERYGOPHORA CALIFORNICA, Ruprecht. *Kcha balba; Mangai.*

Santa Cruz, Cal., northward.

*ALARIA ESCULENTA, Grev. *Badderlocks. Henware.*

Cape Cod, northward; Monterey, Cal., northward; Europe.

ALARIA FISTULOSA, Post. and Rupr.

Northwest coast.

ALARIA MARGINATA, Post. and Rupr.

Northwest coast.

COSTARIA TURNERI, Grev.

Northwest coast.

DICTYONEURON CALIFORNICUM, Ruprecht.

Northwest coast.

LAMINARIA DERMATODEA, De la Pyl.

Peak's Island, Me.; Eastport, Me.; Newfoundland; Kamtschatka; Vancouver's Island.

*LAMINARIA SACCHARINA, Lmx. *Devil's apron; Kelp.*

New York, northward; west coast; Europe; Japan?

*LAMINARIA LONGICURIS, De la Pyl. *Devil's Apron; Kelp.*

New England, northward; Northern Europe; North Atlantic and Pacific.

*LAMINARIA FLEXICAULIS, Le Jolis. *Devil's apron; Kelp.*

New England; Europe; California?

*LAMINARIA PLATYMERIS, De la Pyl.

New England?; Newfoundland.

AGARUM TURNERI, Post. and Rupr. *Sea-colander*.

Nahant, Mass., northward; northwest coast.

THALASSIOPHYLLUM CLATHRUS, Post. and Rupr.

Northwest coast.

SUBORDER SPROCHNEÆ.

STILOPHORA RHIZODES, Ag.

Long Island and Vineyard Sounds; Europe; Tasmania; Southern Ocean.

STILOPHORA PAPILLOSA, Ag.

Chesapeake Bay; Adriatic and Mediterranean Seas.

STRIARIA ATTENUATA, Grev.

Flushing, L. I.; Europe.

SUBORDER ASPEROCOCCEÆ.

ASPEROCOCCUS COMPRESSUS, Griff.

Gloucester, Mass.; Europe.

ASPEROCOCCUS SINUOSUS, Bory.

Key West; San Diego, Cal.; Southern Europe; tropical and subtropical oceans generally.

ASPEROCOCCUS ECHINATUS, Grev.

New England coast; Europe.

HYDROCLATHRUS CANCELLATUS, Bory.

Florida to Brazil; Mauritius; Australia.

RALFSIA VERRUCOSA, Aresch.

Nahant, northward; Europe.

SUBORDER CHORDARIEÆ.

CHORDA FILUM, Stack.

New York, northward; Europe.

CHORDARIA FLAGELLIFORMIS, Ag.

New York, northward; Europe; North Atlantic and Pacific; Cape of Good Hope; Chili.

CHORDARIA ABIETINA, Rupr.

Santa Cruz, Cal., northward.

CHORDARIA DIVARICATA, Ag.

New York to Gloucester, Mass.; Europe.

CASTAGNEA VIRESCENS, Thuret.

Wood's Hole, Gloucester, Mass.; Portland, Me.; Sand Key, Fla.

CASTAGNEA ZOSTERÆ, Thuret.

Wood's Hole, Mass.; Europe.

LIEBMANNIA LEVEILLEI, Ag.

West coast; Europe.

SUBORDER MYRIONEMELÆ.

- LEATHESIA TUBERIFORMIS, Gray.
New York, northward; Europe.
- ELACHISTA FUCICOLA, Fr.
New England; Europe.
- MYRIONEMA STRANGULANS, Grev.
Fisher's Island, N. Y.; Wood's Hole, Mass.; probably everywhere.
- MYRIONEMA LECLANCHEBII, Harv.
Gay Head, Mass.

SUBORDER ARTHROCLADIELÆ.

- ARTHROCLADIA VILLOSA, Duby.
Wilmington, N. C.; Europe.

SUBORDER SPHACELARIELÆ.

- CLADOSTEPHUS SPONGIOSUS, Ag.
New England coast; Europe; Cape of Good Hope; Australia; Cape Horn, &c.
- CLADOSTEPHUS VERTICILLATUS, Ag.
New England coast; Europe.
- SPHACELARIA FUSCA, Ag.
On *Amphiroa Californica*, San Diego, Cal.; England.
- SPHACELARIA RADICANS, Ag.
New England coast; Europe.
- SPHACELARIA CIRRHOSA, Ag.
New York, northward; Europe.

SUBORDER ECTOCARPELÆ.

- MYRIOTRICHIA FILIFORMIS, Harv.
Penobscot Bay; Rhode Island; Europe.
- ECTOCARPUS BRACHIATUS, Harv.
Boston, northward; Europe.
- ECTOCARPUS FIRMUS, Ag. (*E. littoralis*, Harv.).
New England coast?; Europe.
- ECTOCARPUS FARLOWII, Thuret.
Peak's Island, Me.; Marblehead, Mass.
- ECTOCARPUS LONGIFRUCTUS, Harv.
Penobscot Bay.
- ECTOCARPUS SILICULOSUS, Lyngb.
Charleston, S. C., northward; Europe; Australia.
- ECTOCARPUS AMPHIBIUS, Harv.
New York; Great Britain.

ECTOCARPUS VIRIDIS, Harv.

Charleston, S. C., and northward.

ECTOCARPUS LUTOSUS, Harv.

Greenport, L. I.

ECTOCARPUS TOMENTOSUS, Lyngb.

Boston, northward; Europe; Cape Horn.

ECTOCARPUS FASCICULATUS, Harv.

New England coast; Europe.

ECTOCARPUS GRANULOSUS, Ag.

Boston Harbor; Santa Cruz, Cal.; Europe.

ECTOCARPUS DURKEEI, Harv.

Portsmouth, N. H.; Wood's Hole, Mass. †

ECTOCARPUS MITCHELLÆ, Harv.

Nantucket.

ECTOCARPUS HOOPERI, Harv.

Greenport, L. I.

ECTOCARPUS DIETZLÆ, Harv.

Greenport, L. I.

SUBORDER DICTYOSIPHONÆ.

DICTYOSIPHON FCENICULACEUS, Grev.

Long Island Sound, northward; Europe.

SUBORDER DESMARESTIÆ.

DESMARESTIA ACULEATA, Lmx.

New York, northward; Europe; Kamtschatka.

DESMARESTIA VIRIDIS, Lmx.

New York, northward; Europe; North Pacific; southern part of South America; Kerguelen's Land, &c.

DESMARESTIA LIGULATA, Lmx.

Monterey, Cal., northward; Europe; Cape Horn; Cape of Good Hope; Australia.

DESMARESTIA LATIFRONS, Kütz.

Santa Cruz, Cal.

SUBORDER PUNCTARIÆ.

PUNCTARIA LATIFOLIA, Grev.

New York, northward. Var. *Zostera*, Le Jolis, same limits; Europe.

PUNCTARIA PLANTAGINEA, Grev.

New England coast; Europe.

SUBORDER SCYTOSIPHONÆ.

PHYLLITIS FASCIA, Ktz.

New York, northward; Europe; Cape Horn, &c.

SCYTOSIPHON LOMENTARIUS, Ag.

New York, northward; California; Europe; very generally diffused all over the world.

SUBCLASS CHLOROSPORÆ.

ORDER SIPHONEÆ.

- CAULERPA PROLIFERA, Lmx.
Florida; Mediterranean Sea.
- CAULERPA CRASSIFOLIA, Ag., var. *Mexicana*.
Florida; West Indies.
- CAULERPA PLUMARIS, Ag.
Florida; West Indies; generally in the warmer seas.
- CAULERPA ASHMEADII, Harv.
Key West.
- CAULERPA ERICIFOLIA, Ag.
Florida; West Indies.
- CAULERPA CUPRESSOIDES, Ag.
Key West; West Indies.
- CAULERPA LANUGINOSA, Ag.
Key West.
- CAULERPA PASPALOIDES, Bory.
Florida to Brazil.
- CAULERPA CLAVIFERA, Ag.
Florida; in all warm seas.
- HALIMEDA OPUNTIA, Lmx.
Florida; in most warm seas.
- HALIMEDA INCRASSATA, Lmx.
Florida; West Indies.
- HALIMEDA TUNA, Lmx.
Florida; Mediterranean Sea; Pacific Ocean.
- HALIMEDA TRIDENS, Lmx.
Key West; West Indies.
- UDOTEA FLABELLATA, Lmx.
Key West; West Indies.
- UDOTEA CONGLUTINATA, Lmx.
Key West; West Indies.
- CODIUM TOMENTOSUM, Stack.
Florida; west coast; Europe; in all tropical and subtropic seas.
- CHLORODESMIS? VAUCHERIELÆFORMIS, Harv.
Key West.
- BRYOPSIS PLUMOSA, Lmx.
Whole eastern coast; nearly all temperate oceans.

BRYOPSIS HYPNOIDES, Lmx.

Key West; Europe; warmer seas generally.

VAUCHERIA PILOBOLOIDES, Thuret.

Wood's Hole, Mass. ?; Europe.

ORDER DASYCLADEÆ.

DASYCLADUS OCCIDENTALIS, Harv.

Florida; West Indies.

DASYCLADUS CLAVÆFORMIS, Ag.

Key West; West Indies; Mediterranean.

ACETABULARIA CRENULATA, Lmx.

Florida and West Indies.

CYMOPOLIA BARBATA, Lmx.

Key West; West Indies.

ORDER VALONIEÆ.

CHAMÆDORIS ANNULATA, Mont.

Key West; West Indies; Mauritius.

PENICILLUS DUMETOSUS, Dnc.

Florida; West Indies.

PENICILLUS CAPITATUS, Lmx. *Mermaid's shaving-brush.*

Florida; West Indies.

PENICILLUS PHŒNIX, Lmk.

Florida; West Indies.

BLODGETTIA ? CONFEROIDES, Harv.

Key West; West Indies.

ANADYOMENE FLABELLATA, Lmx.

Key West; all tropical seas.

DICTYOSPHERIA FAVULOSA, Dne.

Key West; all tropical seas.

ASCOTHAMNION INTRICATUM, Kütz.

Key West; Mediterranean.

ORDER ZOÖSPOREÆ.

ENTEROMORPHIA INTESTINALIS, Link.

Everywhere.

ENTEROMORPHIA COMPRESSA, Grev.

Everywhere.

ENTEROMORPHIA CLATIRATA, Grev.

New England coast; west coast; Europe.

* ULVA LATISSIMA, Linn. *Sea-lettuce.*

Everywhere.

ULVA LACTUCA, Linn.

With the last, but not so common.

ULVA FASCIATA, Delile.

California.

CLADOPHORA REPENS, Ag.

Key West; Europe.

CLADOPHORA MEMBRANACEA, Ag.

Key West; Mediterranean.

CLADOPHORA RUPESTRIS, L.

New York, northward; Europe.

CLADOPHORA CARTILAGINEA, Rupr.

California.

CLADOPHORA ARCTA, Dillw.

New York, northward; Europe.

CLADOPHORA LANOSA, Roth.

Boston?; Europe.

CLADOPHORA UNCIALIS, Fl. Dan.

New England coast; Europe.

CLADOPHORA GLAUDESCENS, Griff.

Charleston, S. C., northward; Europe.

CLADOPHORA FLEXUOSA, Griff.

New England coast; Europe.

CLADOPHORA REFRACTA, Roth.

Charleston, S. C., northward; Europe.

CLADOPHORA MORRISLÆ, Harv.

Elsinborough, Del.

CLADOPHORA ALBIDA, Huds.

New York and New Jersey; Europe.

CLADOPHORA RUDOLPHIANA, Ag.

Jackson's Ferry, N. Y.; Europe.

CLADOPHORA GRACILIS, Griff.

Beesley's Point, N. J.; Rhode Island; Nahant, Mass.; Europe;
Australia.

CLADOPHORA BRACHYCLADOS, Mont.

Texas.

CLADOPHORA LUTEOLA, Harv.

Key West; Cuba.

CLADOPHORA LÆTEVIRENS, Dillw.

New York Bay; Boston Bay; California; Europe.

CLADOPHORA DIFFUSA, Harv.

New York?.

CLADOPHORA FRACTA, Fl. Dan.

Eastern coast; in fresh and brackish water all over the world.

- CHÆTOMORPHIA PICQUOTIANA, Mont.
New York, northward.
- CHÆTOMORPHIA MELAGONIUM, Web. and Mohr.
Boston Harbor, northward; Europe.
- CHÆTOMORPHIA ÆREA, Dillw.
East coast; Europe; North Pacific; Australia.
- CHÆTOMORPHIA OLNEYI, Harv.
Rhode Island.
- CHÆTOMORPHIA LONGIARTICULATA, Harv.
Massachusetts and Rhode Island.
- CHÆTOMORPHIA SUTORIA, Berk.
Stonington, Conn.; Europe.
- CHÆTOMORPHIA BRACHYGONA, Harv.
Key West.
- CHÆTOMORPHIA TORTUOSA, Dillw.
Nabant, Mass., northward; Europe.
- HORMOTRICHUM YOUNGANUM, Dillw.
New England coast; Europe; Northern Atlantic and Pacific.
- HORMOTRICHUM CARMICHAELII, Harv.
Boston ?.

ORDER CYANOPHYCEÆ.

SUBORDER OSCILLARIÆ.

- LYNGBYA MAJUSCULA, Harv.
Cape Cod, southward; Europe; Pacific Ocean, &c.
- LYNGBYA FERRUGINEA, Ag.
New England coast; Europe.
- LYNGBYA LUTEO-FUSCA, Ag. (inc. *L. fulva*, Harv.).
Stonington, Conn.; Noank, Conn.
- LYNGBYA NIGRESCENS, Harv.
Peconic Bay, L. I.
- LYNGBYA CONFEROIDES, Ag.
Charleston, S. C.; Europe.
- LYNGBYA PUSILLA, Harv.
Sullivan's Islands, S. C.
- LYNGBYA HYALINA, Harv.
Key West.
- CALOTHRIX CONFERVICOLA, Ag.
Everywhere.
- CALOTHRIX SCOPULORUM, Ag.
Everywhere.
- CALOTHRIX VIVIPARA, Harv.
Seaconnet Point, R. I.

CALOTHRIX PILOSA, Harv.

Key West.

CALOTHRIX DURA, Harv.

Key West.

MICROCOLEUS CORYMBOSUS, Harv.

Key West.

SUBORDER NOSTOCHINEÆ.

SPHÆROZYGA CARMICHAELII, Harv.

Noank, Conn. ; Wood's Hole, Mass. ; Europe.

SUBORDER RIVULARIÆ.

RIVULARIA ATRA, Roth.

New England ; Europe.

RIVULARIA PLICATA, Carm.

Cohasset Narrows, Mass. ; Europe.

ORDER PALMELLEÆ.

CRYPTOCOCCUS ROSEUS, Kütz.

New England ; Europe.

ADDENDA.*

LITHOTHAMNION FASCICULATUM, Aresch.

Robbinstown, Me. ; Europe.

AMPHIROA NODULOSA, Kütz.

San Diego, Cal. ; Venezuela.

GRIFFITHSIA OPUNTIROIDES, J. Ag.?

Santa Cruz, Cal.

PETROCELIS CRUENTA, Ag.

Nahant, Mass. ; Eastport, Me. ; Europe.

FUCUS PLATYCARPUS, Thuret.

Eastport, Me. ; Europe.

LAMINARIA ANDERSONII, Eaton, mscr.

Santa Cruz, Cal.

MESOGLOIA ANDERSONII, Farlow, mscr.

Santa Cruz, Cal.

RALFSIA CLAVATA, Crouan.

Eastport, Me. ; Europe.

SPIRULINA TENUISSIMA, Kütz.

Eastport, Me. ; Europe.

RIVULARIA NITIDA, Ag.?

Wood's Hole, Mass.

PROTOCOCCUS CREPIDINUM, Thuret.

Eastport, Me.

LIST OF THE PRINCIPAL USEFUL SEA-WEEDS OCCURRING
ON THE UNITED STATES COAST.

USED AS FOOD.

1. CHONDRUS CRISPUS, Lyngb., commonly called *Irish moss*. Is abundant on the New England coast, particularly to the north of Cape Cod, growing just below low-water mark. It is gathered in large quantities at Hingham, Mass., and sold for making blanc mange, puddings, and sea-moss farine. It is also used by brewers for clarifying, and by calico-printers.
2. SCHIZYMENIA EDULIS, Ag. Found on the west coast; is eaten in Europe.
3. RHODYMENIA PALMATA, Grev. *Common dulce*. Sold rough-dried in the seaport towns of the Northern States; principally eaten by sailors and children. That found in our markets is generally imported from the British provinces, although the plant is very common in New England.
4. PORPHYRA VULGARIS, Ag. *Laver*. Eaten stewed in some parts of Europe. Imported from China by the Chinese living in this country, even by those as far east as Massachusetts, although the plant is common on the Massachusetts shore.
5. ALARIA ESCULENTA, Grev. Common on the New England coast north of Cape Cod. Is eaten in Scotland, but not in the United States. No doubt, EUCHEUMA ISIFORME of Key West, GIGARTINA MAMMILLOSA, often gathered by mistake for the true *Irish moss*, the Californian species of CHONDRUS, and some of the species of GRACILARIA are quite as good for culinary purposes as the *Irish moss*.
ULVA LATISSIMA, L., *sea-lettuce*, is used by owners of aquaria for feeding some of the marine animals, particularly MOLLUSCA.

USED AS FERTILIZERS.

The larger dark-colored sea-weeds are roughly distinguished by the inhabitants of the shore as *rock-weeds*, or those furnished with small bladders or snappers, and *kelp*. The *rock-weed* of New England is composed almost entirely of three species of FUCUS, F. VESICULOSUS, F. NODOSUS, and F. FURCATUS. The *kelp* of New England is composed of the *Devil's aprons*, species of LAMINARIA, the *sea-colander*, AGARUM TURNERI, and ALARIA ESCULENTA. The *rock-weeds* and *kelp* are all useful for manure, and are either scattered over the land and allowed to rot, or else manufactured together with other substances into marketable fertilizers.

The red sea-weed, POLYSIPHONIA HARVEYI, is said, at times, to be washed ashore in Peconic Bay in such quantities that it is used as manure.

USED FOR THE MANUFACTURE OF IODINE.

The *rock-weeds* and *kelp* furnish nearly all the iodine of commerce. The largest manufactories of iodine are in Scotland, where use is made of the same species of *FUCUS* and *LAMINARIA* as are common on the New England coast.

THE GREAT KELP OF CALIFORNIA.

MACROCYSTIS PYRIFERA forms entangled masses, which serve as natural breakwaters on the exposed portion of the California coast. The leaf-bladders of the same plant are used by sailors in high southern latitudes for rolling up into cigarettes.

The very long slender stems of *NEREOCYSTIS LÜTKEANA*, the *Great bladder-weed* of the west coast, are used as fish-lines by the Indians of the Northwest.

The rough-dried stems of *LAMINARIA SACCARINA*, *L. LONGICRURIS*, *L. FLEXICAULIS*, and other large species of *LAMINARIA*, under the name of *Artificial staghorn*, are used for making handles to knives, paper-cutters, and other ornamental purposes. At one time, an attempt was made to establish a manufactory of buttons out of dried *LAMINARIA* stems at Marblehead; but the attempt was given up, as the buttons did not bear washing.

The dry stems of the *LAMINARIAE*, particularly the digitate species, as *L. FLEXICAULIS*, are used by surgical-instrument makers in the manufacture of sponge-tents.

CORALLINA OFFICINALIS, L., was formerly used in medicine as a tonic.

ALPHABETICAL INDEX.

	Page.		Page.		Page.		Page.
Acanthophora	4	Cordylecladia	8	Halosaccion	12	Polyides	8
Acetabularia	22	Corynomorpha	11	Halurus	13	Polysiphonia	2
Acrotylus	11	Costaria	17	Halymenia	11	Porphyra	14
Agaram	18	Cronania	13	Halysersis	15	Porphyra	14
Ahnfeltia	10	Cryptococcus	25	Helminthora	9	Postelsia	17
Alaria	17	Cryptonemia	11	Hildenbrandtia	7	Prionitis	11
Alsidium	4	Cryptoneuicæ	11	Hormotrichum	24	Protococcus	25
Amansia	1	Cyanoophycæ	24	Hydroclathrus	18	Pterygophora	17
Amphiroa	6, 25	Cyropolia	22	Hypnea	7	Ptilota	13
Anadyomene	23	Cystoclonium	10	Hypnea	7	Punctaria	20
Arthrocladia	19	Dasya	1	Iridaea	11	Punctaria	20
Arthrocladiæ	19	Dasycladiæ	22	Jania	6	Ralfsia	18, 25
Ascothamnion	22	Dasycladus	22	Laminaria	17, 25	Rhaddonida	8
Asperococceæ	18	Delesseria	5	Laminariæ	17	Rhodomela	3
Asperococcus	18	Desmarestia	20	Lauencia	4	Rhodometæ	1
Bangia	14	Desmarestiæ	20	Laurencia	1	Rhodymenia	8
Batrachospermæ	9	Dictyoneron	17	Leathesia	19	Rhodymeniæ	8
Blodgettia	22	Dictyosiphon	20	Lessonia	17	Rivularia	25
Bostrychia	2	Dictyosiphonæ	20	Lugora	9	Rivulariæ	25
Bryopsis	21	Dictyosphaeria	22	Liebmannia	18	Sargassum	16
Bryothamnion	4	Dictyota	15	Lithothamnion	7, 25	Schizymenia	11
Calliblepharis	6	Dietyotæ	15	Lomentaria	5, 8	Scinia	9
Callithamnion	13	Digenia	4	Lyncebya	21	Scytosiphon	20
Callophyllis	10	Dumontiæ	12	Macrocystis	17	Scytosiphonæ	20
Calothrix	24	Ectocarpæ	19	Melausporæ	15	Siphonæ	21
Castagnea	18	Ectocarpus	19	Melobesia	7	Solieria	8
Cataclia	12	Elachista	19	Mesogloia	25	Sphaeralia	19
Caulerpa	21	Endocladia	11	Microcladia	12	Sphaerariæ	19
Centroceras	12	Enteromorpha	22	Microcoleus	25	Sphaerococoidæ	5
Ceramiciæ	12	Erythrotrichia	15	Myrionema	19	Sphaerozyga	25
Ceramium	12	Eucheuma	7	Myriourmeæ	19	Spirulina	25
Chaetomorpha	24	Euthora	8	Myriotrichia	1	Spongiocarpeæ	8
Chamaedoris	22	Floridæ	1	Nemalion	9	Sporochneæ	18
Champia	8	Floridæ incertæ	15	Nemastoma	12	Spyridia	12
Chantransia	15	sedis	15	Nerocystis	17	Spyridiæ	12
Chlorodesmis	21	Fucacæ	16	Neuroglossum	6	Squamariæ	8
Chlorosporæ	21	Fucus	16, 25	Nitophyllum	5	Stenogramma	8
Chondria	4	Gelidiæ	7	Nostochinæ	25	Stilophora	18
Chondrus	11	Gelidium	7	Odonthalia	3	Striaria	18
Chorda	18	Gigartina	10	Oscillariæ	21	Taonia	15
Chordaria	18	Gigartinæ	9	Padina	15	Thalassiphyllum	18
Chordariæ	18	Gloiopeltis	11	Palmelleæ	25	Turbinaria	16
Chrysiomenia	7, 8, 11	Gloiosiphonia	13	Penicillus	22	Valoniæ	22
Chylocladia	5, 8	Goniotrichum	15	Petroclis	25	Vaucheria	22
Chylocladiæ	5	Gracilaria	6	Peyssonnelia	8	Udotea	21
Cladophora	23	Grateloupia	12	Phucosporæ	17	Ulva	22
Cladostephus	19	Griffithsia	13, 25	Phyllitis	20	Wrangelia	9
Codium	21	Grimmellia	5	Phyllophora	9	Wrangelinæ	9
Constantinea	10	Gymnogongrus	9	Phyllospora	16	Wurdenmannia	7
Corallina	6	Halidrys	16	Pikea	8	Zoarlia	15
Corallinæ	6	Halimeda	21	Plocamium	8	Zoosporeæ	22