

ALGÆ.

By GEORGE DICKIE, M.D., F.L.S.

FUCACEÆ.

Sargassum vulgare, *Ag.*

Geog. Dist.—West Indies ; Senegambia ; Spain and Portugal ; Australia.

Sargassum ilicifolium, *Turner.*

Geog. Dist.—Cape Comorin ; Philippines ; Borneo ; Sumatra.

Turbinaria ornata, *Turner.*

Geog. Dist.—Ceylon ; Philippines ; Tahiti ; New Zealand.

SPOROCHNACEÆ.

Chroospora implexa, *Hering.*

Geog. Dist.—Red Sea ; Ceylon, &c.

DICTYOTACEÆ.

Dictyota dichotoma, *Huds.* A narrow form.

Geog. Dist.—North and South temperate Oceans, less general in warmer seas.

Padina Pavonia, *L.*

Geog. Dist.—Found in most of the warmer seas. South coast of Britain ; West, South, and East coasts of Australia.

Zonaria nigrescens, *Sonder.*A few small examples about an inch in length. Prof. J. Agardh considers it as scarcely distinct from *Z. variegata*.

Geog. Dist.—Coasts of Australia.

Asperococcus sinuosus, *Roth.*

Geog. Dist.—King George's Sound ; Tasmania ; Mediterranean and Adriatic ; Gulf of Mexico ; Indian Ocean ; Japan ; Cape of Good Hope ; New Zealand ; Falkland Islands.

Hydroclathrus cancellatus, *Bory.*

Geog. Dist.—Tropical and subtropical seas.

CHORDARIACEÆ.

Mesogloia virescens, *Carm.* ? , var. *gracilis* ? .

Imperfect, and therefore doubtful.

Geog. Dist.—N. Europe ; Australia ; Tasmania ; Friendly Islands ; Red Sea ; Japan ; Loo-Choo.

ECTOCARPACEÆ.

Sphacelaria rigida, *Hering*.

Upon *Digenea*.

Geog. Dist.—Red Sea.

RHODOMELACEÆ.

Digenea simplex, *Wulf*.

Geog. Dist.—West Indies; East Coast of North America; Mediterranean and Adriatic; Red Sea; Ceylon; Japan.

LAURENCIACEÆ.

Laurencia papillosa, *Fork*.

Geog. Dist.—Warmer parts of Atlantic; on African shores; Gulf of Mexico; Mediterranean; Adriatic; Red Sea; Mauritius; Sandwich Islands; New Zealand.

Laurencia obtusa, *Hudson*.

Geog. Dist.—Temperate shores of Atlantic; Mediterranean; Adriatic; Ceylon; Mauritius; Philippines; Tahiti, &c.

Laurencia flagellifera, *J. Ag.*

Geog. Dist.—Shores of Hindostan.

CORALLINACEÆ.

Amphiroa fragilissima, *L.*

Geog. Dist.—Mediterranean; shores of Hindostan.

Lithothamnion mamillare, *Harv.*

Geog. Dist.—Shores of Brazil; Cape Verde; Algoa Bay.

SPHÆROCOCOIDEÆ.

Gracilaria corticata, *J. Ag.*, var. *linearis*.

Geog. Dist.—Shores of Hindostan; Ceylon; Mauritius.

GELIDIACEÆ.

Hypnea hamulosa, *Turner*.

Geog. Dist.—Red Sea; Cape of Good Hope.

Hypnea Valentiaë, *Wulf*.

Geog. Dist.—Red Sea; shores of Hindostan; Philippines.

Gelidium rigidum, *Vahl*.

Geog. Dist.—Mauritius; Ceylon; Philippines; Tahiti; Gulf of Mexico.

HELMINTHOCLADIEÆ.

Liagora viscida, *Fork*.

Geog. Dist.—Mediterranean; warmer parts of Atlantic; Red Sea; Indian Ocean; Australia.

CRYPTONEMIACEÆ.

Chylocladia vicens, *Ag.*

Geog. Dist.—West Indies ; Marian Islands ; Japan ; Philippines.

SIPHONACEÆ.

Caulerpa ericifolia, *Ag.*

Geog. Dist.—West Indies ; Caroline Islands (Polynesia).

Caulerpa Boryana, *J. Ag.*

Geog. Dist.—Warmer parts of Pacific.

Caulerpa plumaris, *Vahl.*

Geog. Dist.—Ceylon ; Red Sea ; Philippines ; Australia.

Caulerpa mamillosa, *Mont.*

Geog. Dist.—Indian Ocean ; Gambier Islands.

Halimeda Opuntia, *Lamx.*

Geog. Dist.—Warmer parts of Atlantic ; Mediterranean ; Red Sea ; Philippines, &c.

Halimeda Tuna, *Lamx.*

Geog. Dist.—Mediterranean ; Philippines, &c.

Codium tomentosum, *Stackh.*

Geog. Dist.—Tropical and temperate oceans of both hemispheres.

Codium adhærens, *Ag.*

Geog. Dist.—Coasts of Europe ; Ceylon ; Cape of Good Hope ; Friendly Islands ; Loo Choo.

VALONIACEÆ.

Valonia Ægagrophila, *Ag.*

Geog. Dist.—Adriatic ; Rawak Island.

Microdictyon Agardhianum, *Dne.*

Geog. Dist.—Mediterranean ; Red Sea ; Australia ; Sandwich Islands.

Dictyosphæria favulosa, *Dne.*

Geog. Dist.—Red Sea ; Indian Ocean ; Sandwich Islands.

ULVACEÆ.

Ulva latissima, *L.*

Geog. Dist.—General in both hemispheres.

Enteromorpha intestinalis, *Link.*

Geog. Dist.—Widely distributed in both hemispheres.

Enteromorpha compressa, *Grev. ?*

The specimens rather imperfect, and therefore doubtful.

Geog. Dist.—Like the former, extensive in its range.

Enteromorpha ramulosa, *E. B.*

Geog. Dist.—European shores ; coast of Amboina.

BATRACHOSPERMEÆ.

Batrachospermum moniliforme, *Ag.*, var. *equinoctiale*, *Bory.*

Geog. Dist.—Its various forms have an extensive range in the fresh waters of Europe, America, and Africa.

Thorea violacea, *Bory.*

Geog. Dist.—Mauritius.

CONFERVACEÆ.

Conferva moluccana, *Ag.* ?

The few examples are referred with some doubt to this species.

Geog. Dist.—Island of Pisang, one of the Moluccas.

Conferva bombycina, *Ag.*, var. *inequalis*, *Ktz.*

Geog. Dist.—Various parts of Europe.

Conferva Ansoni, *Ag.*

Geog. Dist.—“ In fonte Ansonii insulæ Tinian ” (Gaudichaud).

Cladophora Roettleri, *Ktz.*

Geog. Dist.—Tranquebar.

Cladophora pannosa, *Dickie.*

The specimens seem identical with the plant from Mauritius, which in a notice of the Algæ of that island was considered a new species.

Chantransia cærulescens, *Mont.*

Geog. Dist.—Cayenne.

Ædogonium fonticola, *A. Braun.* ?

Agrees with the species in the oogonia and proportions of the individual joints, but the characters of the basal and terminal cells could not be seen.

Geog. Dist.—Various parts of Europe, and found also in the island of Madeira.

ZYGNEMACEÆ.

Rhynconema angulare, *Hass.*

The few specimens observed agree in general characters with this species.

Geog. Dist.—In various parts of Europe.

Staurospermum capucinum, *Bory.* ?

The specimens agree in the proportions of the individual cells as to length and breadth ; the latter = $\cdot 00055$, but in the absence of zygospores the plant is doubtful.

Geog. Dist.—Various parts of Europe.

OSCILLARIACEÆ.

Lynxbya majuscula, *Dillw.*

Geog. Dist.—European shores.

Leptothrix lutea, *Ktz.*

Geog. Dist.—“In thermis Enganearum” (Meneghini).

NOSTOCHINEÆ.

Nostoc commune, *Vauch.*

Geog. Dist.—Europe; America; Java.