

The Marine Algae of Tasmania Check List with Localities

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INTRODUCTION

In the course of ecological studies undertaken recently it has been found necessary to identify numerous seaweeds and a great need has been felt for an up-to-date list of the species recorded from Tasmania. In order to diminish this gap in our literature the following list has been prepared. The species have been recorded both from the literature and the collection.

The most recent list of Tasmanian seaweeds is that published by Lucas in 1928. This list was incomplete in many respects as the author did not include many species preserved in the Rodway Herbarium, and in many records Lucas did not give any clue as to the locality in which he found the species. Since 1928 many changes in nomenclature have taken place and these complicate the identification from the earlier works.

Lucas recorded 418 species. The present list contains about 130 species which were not in Lucas's list as well as a great number of new locality records.

The late Mrs. Perrin contributed the names of several species which are new to Tasmania as well as a high proportion of new locality records. Mr. A. Cribb has identified species for me as well as donated specimens to the University Herbarium. He has also provided me with much valuable guidance on synonymy and without his help this work would never have been completed. Professor V. J. Chapman sent me a list of some species which are recorded from Tasmania and Miss L. B. Moore of the D.S.I.R. of New Zealand has revised the Sphacelariaceae.

The species are listed with the localities at which they have been found and the name of the person responsible for the record is also given. If the record was published the date of publication is given after the author's name. For the sake of brevity this date has been omitted from all references to the list published by Lucas and Lucas & Perrin. Also in the interests of brevity several author's names have been reduced to initials. These are as listed below:—

- L. = Lucas, 1928
- R. = Rodway (Herbarium)
- L.A.M. = Mrs. Meredith
- P.B. = Miss Batt (Private collection)
- P. = Mrs. Perrin
- L. & P. = Lucas & Perrin, 1936
- H.N.B. = Professor Barber
- H.D.G. = Professor Gordon
- H. = Harvey (*Phycologica Australis*)

I would like to thank Professor H. N. Barber for the use of facilities in the Botany Department of the University of Tasmania.

CYANOPHYTA

CHROOCOCCALES CHROOCOCCACEAE

Entophysalis Kützing

- E. deusta* (Meneghini) On dead *Haliotis* shells, Southport, 3/1950
Drouet & Daily (Cribb).

NOSTACALES OSCILLATORIACEAE

Hydrocoleum Kützing

- H. glutinosum* (Ag.) On *Bostrychia*, Port Arthur, 1/1951 (Cribb).
Gomont

- H. lyngbyaceum* Kütz. On *Zostera*, Port Arthur, 2/1951 (Cribb).

Lyngbya Agardh

- L. confervoides* Ag. Point Puer, 6/1951 (Cribb).

RIVULARIACEAE

Calothrix Agardh

- C. aeruginosa* Born. & On *Phaeophyta*, Stewart Bay, 1/1951 (Cribb).
Flah.

- C. crustacea* Born. & Southport, 3/1951, and Stewarts Bay, 6/1951
Flah. (Cribb).

Isactis Thuret

- I. plana* (Harv.) Low Head, 9/1950, and Port Arthur, 2/1951
Thuret (Cribb).

Rivularia Agardh

- R. australis* Harv. Port Arthur, 2/1950 (Cribb); Point Puer,
4/1952, Eaglehawk Neck, 4/1951 (E.R.G.).

CHLOROPHYTA

ULOTRICHALES ULVACEAE

Ulva Linnaeus

- Ulva lactuca* L. Passim (L.); Shot Tower and Southport (R.);
Orford (L.A.M.); Tarooma, 7/1946 (P.B.);
Low Head and Currie River (P.); Southport,
6/1950 (Cribb); Eaglehawk Neck, Blackman's
Bay, D'Entrecasteaux Channel; Freycinet Pen-
insula, Dover (E.R.G.). This species is found
on all coasts of Tasmania. It reaches a maxi-
mum development in spring and early summer.
U. laetevirens Aresch. No locality (L.); Bicheno and Low Head (P.).
U. reticulata Forsk. Tasmania (Chapman, personal communica-
tion).

Enteromorpha Link

- E. acanthophora* Kütz. No locality (L.).
E. bulbos (Suhr) No locality (L.).
Kütz.

- E. clathrata* (Roth.) J. Ag. Orford (L.A.M.); Brackish water, Clarence Plains (R.).
- E. compressa* (L.) Grev. George Town (L.).
- E. flexuosa* (Wulf) J. Ag. No locality (L.).
- E. gunniana* Thouin Bay (R.); George Town (Gunn).
- E. intestinalis* (L.) Link. Low Head, Currie R. and Bridport (P.); Brackish lagoon at mouth of Huon River (R.).
- E. lingulata* J. Ag. No locality (L.).
- E. linza* (L.) J. Ag. Retreat, River Derwent (R.).
- E. procera* Añln. f. *subundulata* Schiff. Tasmania (Chapman, personal communication).
- E. prolifera* (Muell.) J. Ag. Retreat, River Derwent (R.).
- E. ramulosa* (Engl.) Hook. No locality (L.).

CLADOPHORALES CLADOPHORACEAE

Cladophora Kützing

- C. bainesii* Harv. Tamar and Derwent Rivers (R.); Tarooma, 10/45 (P.B.).
- C. feredayi* Harv. Tamar (L.); Derwent and Retreat (R.); Bass Strait (H.).
- C. ferruginea* Harv. No locality (L.); Port Arthur on *Hormosira* (J.).
- C. flacada* (L.) Kütz. Retreat, Derwent R. (R.).
- C. flavescens* (Roth) Kütz. Dover (Cribb).
- C. flexuosa* (Griff.) Harv. Port Arthur, 1/1951 (Cribb).
- C. gracilis* (Griff.) Kütz. R. Derwent (R.); P. Arthur, 6/1951 (Cribb); Southport (Cribb); George Town (Grunow).
- C. gracillima* Harv. No locality (L.); George Town.
- C. pellucida* (Huds.) Kütz. Derwent (R.).
- C. stuartii* Harv. No locality (L.).
- C. valonioides* Sond. Tasmania (Chapman, personal communication).

Chaetomorpha Kützing

- C. aerea* (Dillw.) Kütz. Thouin Bay and R. Derwent (R.).
- C. coliformis* (Mont.) Kütz. Southport (Stuart); Triabunna, 3/1950 (Cribb).
- C. darwinii* (Hook.) Kütz. Passim (L.); Bellerive (R.); P. Arthur (Cribb); Blackman's Bay (H.N.B.); Low Head, Currie R. and Bicheno (P.); Adventure Bay, 4/1947 (P.B.).
- C. valida* (H. & H.) Kütz. Southport (R.); P. Arthur and Low Head, 9/1950 (Cribb).

SIPHONALES VALONIACEAE

Dictyosphaeria Decaisne

- D. sericea* Harv. Mouth of R. Derwent (R.); Northern Tasmania (L., 1936); Currie R. (P.).

CAULERPACEAE

Bryopsis Lamouroux

- B. plumosa* (Huds.) Passim (L.); Bicheno, Low Head, Adventure Bay (P.); Huon River (R.); Orford (L.A.M.).
Ag.
B. hypnoides Lamour. Eaglehawk Neck (R.).
B. australis Sond. P. Arthur, 1/1951 (Cribb).

CAULERPACEAE

Caulerpa Lamouroux

- C. annulata* Lucas Port Arthur (Cribb).
C. brownii Endl. Passim (L.); Maria Is., 1915 (R.); Raminea, Southport (R.); Orford (L.A.M.); Tasmania (L., 1936); Currie R. (9/1950, Cribb); Marra-wah, Cape Grim, Musselroe Bay, Currie R. (P.).
C. cactoides (Turn.) Passim (L.); Actaeon Is. (R.); Tasmania (L., 1936); Currie R., 9/1950 (Cribb); Currie R., Musselroe Bay, Adventure Bay (P.).
Ag.
C. flexilis Lamour. No locality (L.).
C. hypnoides (R. Br.) No locality (L.); Low Head (P.); Tasmania (L.); Adventure Bay, 4/1947 (P.B.); Currie R. (Cribb).
Ag.
C. hypnoides var. Passim (L.); Orford (L.A.M.); Low Head, Currie R., Eddystone Pt., Devonport (P.).
Muelleri Orford (L.A.M.); Tasmania (L., 1936); N. Coast (L.); Maria Is., Barnes Bay (R.); Oyster Bay (L., 1915); Southport (L., 1936); Currie R. (P.).
C. longifolia Ag. Norm. Pitt Water, 11/1950 (Cribb); Tasmania (Gunn).
C. longifolia var. *crispata* (Harv.) North Coast (L.); Tasmania (L., 1936); Bass Strait and Tasmania (Harv.); Currie R. and Low Head (P.).
C. obscuru Sond. Maria Is., Shot Tower (R.); Tasmania (L., 1936); Tamar (Harv.); Coles Bay, Cape Grim, Currie R., Triabunna (P.).
C. scalpelliformis (R. Br.) Ag. Passim (L.); Tasmania (L., 1936); Blackman's Bay (H.N.B.); Currie R., 9/1950, P. Arthur, 6/1951 (Cribb); Currie R., Cape Grim, P. Arthur, Low Head.
C. sedoides (R. Br.) No locality (H.D.G.); Blackman's Bay (H.N.B.); Tasmania (L., 1936); Currie R., Musselroe Bay (P.).
Ag.
C. simpliciuscula (Turn.) Ag. Tasmania (L., 1938 & 1936); Currie R. (P.).
C. simpliciuscula var. *vesiculifera*

- C. trifaria* Harv. Port Esperance, Channel (L.); Orford (L.A.M.); Derwent R., Maria Is. (R.); Oyster Bay (L., 1915); Marrawah (P.); Port Arthur 6/1951 (Cribb).

DASYCLADACEAE

Polyphysa Lamouroux

- P. peniculata* Ag. Boomer Marsh, 1949 (Dr. Curtis).

CODIACEAE

Codium Stackhouse

- C. bursa* (L.) Ag. R. Derwent (L.); Bellerive (R.); Low Head, Currie R. (P.). Confused with other species (Cribb).
- C. decorticatum*
(Woodward)
Howe Tasmania (L., 1936); Currie R. (P.).
- C. fragile* (Suringar)
Hinot Blackman's Bay (H.N.B.); Taroon (P.B., 1946); Low Head, Currie R., Marrawah (P.); Bellerive (R.); Passim (L.).
- C. galeatum* J. Ag. Shot Tower and Derwent R. (R.).
- C. lucasii* Setchell Tasmania (L., 1936).
- C. muelleri* Kütz. North Coast (L.); Tasmania (L., 1936); Orford, 1876 (L.A.M.); Low Head, Marrawah (P.).
- C. perrinae* Lucas Low Head (Cribb).
- C. spongiosum* Harv. North Coast (L., 1936); Currie R. (P.).
- C. tomentosum*
(Huds.) Stack. No locality (R.); Oyster Bay (L., 1915); Tasmania (L.). Professor Chapman suggests that this species is probably *C. fragile* or *C. mucronatum*, and Mr. Cribb states that this species is confused with one of the others.

PHAEOPHYTA

ISOGENERETAE *ECTOCARPALES* ECTOCARPACEAE**Ectocarpus** Lyngbye

- E. confervoides*
(Roth.) Le Jol. Channel (R.); On *Epymenia*, Pt. Puer, 1/1951 (Cribb).
- E. fasciculatus* (Griff.)
Harv. Tasmania (Harv.); no locality (L.); on *Zostera* at Low Head, 9/1950; on *Macrocystis* at Pt. Puer, 6/1951 (Cribb).
- E. siliculosus* (Dillw.)
Lyngb. No locality (L.).
- E. sordidus* Harv. George Town (Harv.); Low Head (P.).

Pylaiella Bory

- P. littoralis* (L.) Kjell. Southport, 9/1950 (Cribb).

SPHACELARIALES STYPOCAULACEAE

Halopteris Kützing

- H. hordacea* (Harv.)
Sauv. Low Head, Currie River, Eddystone Point, Marrawah and Bicheno (Perrin); Blackman's Bay, Derwent Estuary (Perrin per L.B. Moore); Southport (Stuart).
- H. funicularius*
(Mont.) Sauv. Burnie, Low Head and Bridport (Lucas); Orford and Southport (Melbourne Herbarium); Tarooona (H.D.G.; Tarooona (L. B. Moore); all these records were supplied by Miss Moore.
- H. pseudospicata* Sauv. Currie River (Perrin & Lucas); Emu Bay (Melbourne Herb.); Currie River, Burnie, Devonport; Eaglehawk Neck (L. B. Moore). All these records were supplied by Miss Moore.
- Styopocaulon* (*Halopteris*) *paniculatum* (Suhr.)
Kütz. Miss Moore states that this species is covered in part by *H. hordacea*. Rodway records *S. paniculatum* from Shot Tower, Derwent and Devonport. Miss P. Batt has a specimen from Tarooona, 7/1946.

Phloeocaulon Geyler

- P. spectabile* Reinke Low Head (Lucas); Wynyard (Perrin); Miss Moore states that some or all of these specimens are labelled *Xanthosiphonia wattsi* in error.

Xanthosiphonia J. Ag.

- X. wattsi* J. Ag. East beach at Low Head, Marrawah (Perrin). These records do not include those noted by Miss Moore as being in error.

Ptilopogon Reinke

- P. botrycadus* H.f. &
H.) Reinke Drift at Tarooona (L. B. Moore).

CLADOSTEPHACEAE

Cladostephus Ag.

- C. spongiosus* (Lightf.)
Ag. Passim (L.); Low Head (H.D.G.); Port Arthur, 6/1951 (Cribb); Southport, Derwent and Devonport (R.).
- C. verticillatus*
(Lightf.) Ag. Tasmania (Stuart).

CUTLERIALES CUTLERIACEAE

Cutleria Greville

- C. multifida* Greville No locality (R. & L.).

DICTYOTALES DICTYOTACEAE

Dictyota Lamouroux

- D. bifurca* J. Ag. Southport (R.).
D. dichotoma (Huds.) Lamouroux Passim (L.); Currie River, Low Head, Marra-
 wah, Montagu, Eddystone Pt. (P.); Sandy Bay
 (A. M. Olsen).
D. diemenensis Sond. George Town (H.); Channel (R.); Port Ar-
 thur, 1/1950 (Cribb).
D. furcellata C. Ag. Tasmania (Fereday).
D. nigricans J. Ag. Orford (L.A.M.).
D. noevosa Suhr. George Town (H.).
D. ocellata J. Ag. No locality (L.).
D. vittariodes J. Ag. King Island (Mrs. Spong); Tasmania (L.,
 1936):

Pachydictyon J. Ag.

- P. paniculatum* J. Ag. Orford (L.A.M.); Passim (L.).

Dilophus J. Ag.

- D. fasciculatus* J. Ag. No locality (L.).
D. gunnianus J. Ag. No locality (L.).
D. taeniaeformis
 J. Ag. Low Head (L.).

Dictyopteris Lamouroux

- D. muelleri* (Sond.) Schmitz Tarooona, 2/1951 (Cribb).

Lobospira Areschoug

- L. bicuspidata* Aresch. Oyster Bay (Lucas, 1915).

Dictyopteris Web. & Mohr.

- D. muelleri* (Sond.) Schmidt Tasmania (H.); Maria Is. (R.); Orford
 (L.A.M.); Tasmania (L., 1936); Low Head,
 Currie River, Swansea, Adventure Bay (P.);
 Blackman's Bay (H.N.B.).
D. aerostichoides (J. Ag.) Boergesen No locality (L.); Tasmania (L., 1936).

ZONARIEAE

Pocockiella Papenfuss

- P. variegata* (Lam-our.) Papenfuss Channel (R.); Eaglehawk Neck (P.).

Zonaria Ag.

- Z. subarticulata* (Lam-our.) Papenfuss Orford (L.A.M.); Devonport, Derwent and
 Channel (R.); Tasmania (L., 1936); Tasmania
 (H.); Low Head, Currie River, Eddystone Pt.
 and Montagu (P.); Tarooona, 4/1946 (P.B.).
Z. stuposa R. Br. Kent Is. (L.); Tasmania (L., 1936).

HETERGENERATAE CHORDARIALES MYRIONEMATACEAE

- M. strangulans*
(Grev.) **Myrionema** Greville
Frequent on *Ulva* (L.); Derwent (R.); Low
Head, Bridport (P.); On *Ulva* at Southport,
10/1951 (Cribb).

ELACHISTACEAE

- E. australis* J. Ag. **Elachista** Duby
Derwent (R.).

CORYNOPHLAEACEAE

- L. diffiformis* (L.)
Aresch. **Leathesia** Gray
Low Head; Ulverstone (L.); Tasmania (L.,
1936).

CHORDARIACEAE

- C. dictyosiphon*
(Harv.) Kütz. **Chordaria** Ag.
Channel (R.); Passim (L.); George Town
(H.).

- C. vernicularis* (J.
Ag.) Kylin **Cladosiphon** Kützling
Eaglehawk Neck (R.).

- E. harveyana* Kylum. **Eudesme** J. Ag.
George Town (Gunn).

- M. sciurus* (Harv.)
Kuck. **Myriogloia** Kuckuck
Derwent (R.); George Town (H.); Bicheno,
1/1952 (H.N.B.).

- P. nigrescens* (Harv.)
Kylin **Polycerea** J. Ag.
No locality (L.).

- S. harveyana* (J. Ag.)
Kylin **Suringaria** Kylin
Ulverstone (L.).

- T. australis* (Harv.)
Kylin **Tinocladia** Kylin
Low Head, Orford (L.).

SPERMATOCYNAEAE

Stilopsis Kockuck

S. harveyana Kylin George Town (H.).

SPLANCHNIDIACEAE

Splanchnidium Greville

S. rugosum (L.) Grev. Thouin Bay (R.); George Town (H.); Low Head and Currie River (P.).

DICTYOSIPHONALES PUNCTARIACEAE

Adenocystis Hooker F. & Harv.

A. utricularis (Bory) Skottsberg Port Arthur (J.); Eaglehawk Neck (H.N.B. & E.R.G.); Orford, Currie River (P.); Safety Cove, Trial Harbour (E.R.G.).

SPOROCHNALES SPOROCHNACEAE

Bellotia Harvey

B. eriophorum Harv. North Coast (L.); Dredged, 20 fathoms near Actaeon Is. (R.); Cambridge (R.); Bass Strait (L., 1936); Eddystone Point and Currie River (P.).

Carpomitra Kützing

C. mitriformis Tasmania (L., 1936).

Nereia Zanardini

N. australis Harv. Widely distributed (L.); Tasmania (L., 1936).

Perithalia J. Ag.

P. inermis (R. Br.) J. Ag. Shot Tower and Devonport (R.); Port Arthur (Stuart); Passim (L., 1915); Ralph's Bay, 2/1948 (P.B.); Port Arthur, 10/1951 (Cribb); Low Head, Currie River, Musselroe Bay, Eddystone Point, Wynyard, Cape Grim, Marrawah (P.).

Sporochnus Agardh

S. apodus Harv. George Town (L.).
S. comosus Ag. Passim, especially the North Coast (L.); Muddy Plains (R.); Tasmania (L., 1936); Low Head and Currie R. (P.).
S. herculeus J. Ag. George Town (L.).
S. radiceformis (R. Br.) Ag. Derwent and Maria Is. (R.); Tasmania (L., 1936); Low Head, George Town (P.); Orford (L.A.M.).

DICTYOSIPHONALES PUNCTARIACEAE

Adenocystis Hooker F. & Harv.

- A. utricularis* (Bory) Skottsberg Port Arthur (J.); Eaglehawk Neck (H.N.B. & E. R. G.); Orford, Currie River (P.); Safety Cove, Trial Harbour (E.R.G.).

Asperococcus Lamouroux

- A. bullosus* Lamour. Passim (L.); Channel and Eaglehawk Neck (R.); Tasmania (L., 1936); Low Head (P.).

Colpomenia Derbes & Solier

- C. sinuosa* (Roth.) Derb. & Sol. Passim (L.); Bellerive (R.); Low Head (P.)

Ilea J. Ag.

- I. fascia* (Muell.) Fris. Tamar (L.).

Scytosiphon Agardh

- S. lomentaria* (Lyng.) J. Ag. Passim (L.); Derwent (R.); Tasmania (L., 1936); Howrah, Eaglehawk Neck, Dover Blackman's Bay (E.R.G.); Low Head (Cribb). This species forms a winter growth on the shore.

Stictyosiphon Kützing

- S. decaisnei* (H. & H.) Murray Lucas (no locality); Orford (L.A.M.).

CHNOOSPORACEAE

Scytothamnus Hooker F. & Harvey

- S. australis* (J. Ag.) H. & H. Low Head (L.).

LAMINARIALES LESSONIAEAE

Lessonia Bory

- L. corrugata* Lucas Thouin Bay (R.); Bicheno, Orford, Adventure Bay, Marrawah; Cape Grim, Eddystone Pt. (P.); Betsy Is.; Blackman's Bay (E.R.G.).

Macrocystis Ag.

- M. pyrifer* (L.) Agardh Passim (L.); Tasmania (L., 1936); Derwent, Huon and Thouin Bay (R.); Low Head, Wynyard, Devonport (P.); Safety Cove (H.D.G.); East Coast, Port Arthur (E.R.G.).

ALARIAEAE

Ecklonia Horneman

- E. radiata* (Ag.) J. Ag. Passim (L.); Tasmania (L., 1936); Blackman's Bay (H.D.G.); Derwent (R.); Low Head, Currie River, Adventure Bay, Cape Grim, Marrawah, Eddystone Pt. (P.); Eaglehawk Neck, Dover (E.R.G.).

CYCLOSPOREAE *FUCALES* DURVILLACEAE**Durvillea** Bory

- D. antarctica* (Cham.)
Hariat. Drift, Port Arthur, 1/1950 (Cribb); Drift,
Taroona, 1/1949 (Moore).

Sarcophycus Kützting

- S. potatorum* (Labill.)
Kütz. Channel (R.); Safety Cove (H.D.G.); Tas-
mania, all coasts (L., 1936). This record of
all coasts is not correct. The species is con-
fined to wave-exposed places. Rodway's record
for the Channel is also dubious as the only part
of the Channel in which I have found this
species is Roaring Beach, near Dover, where it
occupies a very restricted area. Eaglehawk
Neck, Sleepy Bay, Remarkable Cave, Point
Seymour, Trial Harbour (E.R.G.).

Hormosira Endlicher

- H. banksii* (Turn.)
Decaisne Channel, Maria Is., Thouin Bay, Southport
(R.); Tasmania (H.); Safety Cove (H.D.G.);
Low Head, Montagu, Marrawah (P.); Black-
man's Bay; Trial Harbour, Betsy Is., Dover,
Eaglehawk Neck, Coles Bay, Boat Harbour (N.
Coast), Burnie, Devonport, (E.R.G.); Boomer
Marsh (Curtis). This species is found on prac-
tically all shores of Tasmania, but it only rarely
forms a Hormosiretum, e.g., Point Puer.

Notheia Bailey & Harvey

- N. anomala* Bailey &
Harvey On *Hormosira* from Thouin Bay (R.); Tas-
mania (L., 1936); Port Arthur (Cribb); Currie
River, Cape Grim, Musselroe Bay (P.).

FUCACEAE

Myriodesma Decaisne

- M. integrifolia* Harv. Ulverstone, Tamar (L.); Tasmania (L., 1936).

Phyllospora Ag.

- P. comosa* (Labill.)
Ag. Devonport, Mouth of Huon River, Thouin Bay,
Woody Is. (R.); Tasmania (L., 1936); Tas-
mania (H.); Port Arthur (Cribb); Low Head,
Currie River, Montagu, Marrawah (P.); Eagle-
hawk Neck, Sleepy Bay, Point Seymour, Trial
Harbour (E.R.G.).

Scytothalia Greville

- S. dorycarpa* (Turn.)
Grev. Kent Is. (L.); Tasmania and Tamar Heads (L.,
1936); Low Head (P.).

- Seirococcus** Greville
S. axillaris (R. Br.) Grev. Orford (L.A.M.); Passim (L.); Channel and Devonport (R.); Tasmania (L., 1936); Coles Bay (H.N.B.); Tasmania (H.); Low Head, Currie River, Cape Grim, Marrawah, Musselroe Bay, Eddystone Pt. (P.).

- Xiphophora** Montague
X. billardieri Mont. Channel, Derwent and Bellerive (R.); Blackman's Bay (H.N.B.); Tasmania (L., 1936); Port Arthur (Cribb); Bicheno, Marrawah (P.); Eaglehawk Neck (E.R.G.).
X. chondrophylla (R. Br.) Mont. Devonport (R.); Tasmania (L., 1936); Adventure Bay, 4/1947 (P.B.); Low Head, Currie River (P.); George Town (Gunn); Eaglehawk Neck (E.R.G.).

CYSTOSEIRACEAE

- Carpoglossum** Kützing
C. confluens (R. Br.) Kütz. Derwent and Channel (R.); George Town (Gunn); Port Dalrymple (H.); Tasmania (L., 1936); Low Head, Currie R., Marrawah, Cape Grim (P.); Blackman's Bay (H.N.B.).
- Cystophora** J. Ag.
C. cephalornithos (Lab.) J. Ag. Maria Is., Barnes Bay (R.); Tasmania (L., 1936); South Arm (P.B.); Orford (L.A.M.); Blackman's Bay (H.N.B.).
C. grevillei (Ag.) J. Ag. Southport (R.); Tasmania and Oyster Bay (L., 1915); Tasmania (L., 1936); East Coast (P.).
C. monilifera J. Ag. Tasmania (L., 1936).
C. paniculata (Turn.) J. Ag. Orford (L.A.M.); Low Head (H.D.G.); Derwent, Bellerive, Channel (R.); Tasmania (L., 1936); Blackman's Bay (H.N.B.); Currie River, Adventure Bay, Cape Grim, Marrawah, Musselroe Bay (P.); Port Arthur, 10/1951 (Cribb).
C. platylobium (Mert.) J. Ag. Tasmania (L., 1936); Adventure Bay (4/1947, P.B.); Low Head, Currie R., Cape Grim, Marrawah, Eddystone Pt., Adventure Bay (P.).
C. polycystidea Aresch. Tasmania (L., 1936).
C. retorta (Mert.) J. Ag. Tasmania (L.); Low Head, Currie River (P.); George Town (Gunn).
C. retroflexa (Labill.) J. Ag. Passim (L.); Bellerive, Devonport and Barnes Bay (Rodway); Tasmania (L., 1936); Low Head, Currie River (P.).
C. scalaris J. Ag. No locality (L.).
C. siliquosa J. Ag. Burnie (L.); Tasmania (L., 1936).

- C. spartioides* (Turn.) Ag. Devonport (R.); Tasmania (L., 1936); Blackman's Bay (H.N.B.); Low Head, Currie River (P.); Grange, Eaglehawk Neck, Safety Cove (E.R.G.).
- C. subfarcinata* (Mert.) J. Ag. Tasmania (L., 1936).
- C. torulosa* (R. Br.) J. Ag. Devonport, Southport, Derwent (R.); Swansea (L.); Tasmania (L., 1936); Tasmania (H.); Blackman's Bay (H.N.B.); Port Arthur, 3/1950 (Cribb); Low Head, Currie River, Musselroe Bay, Eddystone Pt. (P.); Orford (L.A.M.); Coles Bay (E.R.G.).
- C. uvifera* (Ag.) J. Ag. Tasmania (H.); Devonport and Maria Is. (R.); Oyster Bay and Tasmania (L., 1915); Low Head Currie River, Eddystone Pt., Cape Grim (P.).
- C. xiphocarpa* Harv. Port Arthur (Harv.); Muddy Plains (R.); Brown's River and Southport (L.); Blackman's Bay (H.N.B.); Marrawah, Cape Grim, Bicheno, Orford (P.).
- Cystophyllum** J. Ag.
- C. muricatum* (Turn.) J. Ag. No locality (L.); Tasmania (L., 1936); George Town (Gunn).

SARGASSACEAE

Sargassum Ag.

- S. bracteolosum* J. Ag. Burnie (L.); Tasmania (L., 1936).
- S. decipiens* (R. Br.) J. Ag. South Arm (L.).
- S. decurrens* (R. Br.) Ag. No locality (L., 1938).
- S. grande* J. Ag. Port Esperance (L.); Low Head (P.); Port Arthur, 10/1951 (Cribb).
- S. gunnianum* J. Ag. Low Head (L.).
- S. heteromorphum* J. Ag. Low Head (L.); Currie River (P.).
- S. lacerifolium* (Turn.) Ag. Tamar (L., 1936).
- S. laevigatum* J. Ag. No locality (L.).
- S. linearifolium* (Turn.) J. Ag. Ralph's Bay (R.). [Probably an incorrect determination (Cribb).]
- S. membranaceum* J. Ag. No locality (L.).
- S. muriculatum* J. Ag. Tasmania (L.); King Island (Mrs. Spong).
- S. paradoxum* (R. Br.) Harv. Orford (L.A.M.); Bellerive, Channel (R.); Low Head (H.D.G.); Currie River, Musselroe Bay, Eddystone Pt. (P.); Tasmania (H.); Sandy Bay (Dr. Lyall); Southport (Stuart); George Town (Gunn); Port Arthur (H.).
- S. rhyncophorum* J. Ag. No locality (L.).

- S. sonderi* J. Ag. Low Head, Derwent (L.); Orford (P.).
S. undulatum J. Ag. Tasmania and Oyster Bay (L., 1915).
S. varians Sonder Low Head (L.), (H.D.G.); Currie River (P.).
S. verruculosum Shot Tower, Ralph's Bay, Thouin Bay (R.);
 (Mert.) Ag. Channel, Port Esperance (L.); Port Arthur,
 Oyster Bay (L., 1915); Thouin Bay, Low Head
 (H.D.G.); Montagu (P.); Tasmania (H.);
 Sandy Bay (Dr. Lyall); Southport (Stuart);
 George Town (Gunn); Port Arthur (H.).
S. vestitum (R. Br.) Kent Is.; Burnie, Derwent (L.).
 Ag.

Scaberia Greville

- S. agardhii* Greville North Coast (L.); Tasmania (H.); Tasmania
 (L., 1936); Tasmania and Oyster Bay (L.,
 1915); Low Head, Currie River, Devonport,
 Wynyard, Stanley (P.).

RHODOPHYTA

BANGIOIDEAE BANGIALES BANGIACEAE

Bangia Lyngbye

- B. atropurpurea*
 (Roth.) Ag. Derwent and Blackman's Bay (R.).
B. ciliaris subspecies
pulchella Harv. George Town (H.).
B. fuscopurpurea
 (Dillw.) Lyngb. Southport, 10/1951 (Cribb).

Porphyra Ag.

- P. columbina* Mont. Howrah, Eaglehawk Neck, Blackman's Bay,
 Dover (E.R.G.). Identified by H. B. S.
 Womersley.
P. umbilicalis (L.) Southport, 6/1951 (Cribb); Bellerive (R.);
 J. Ag. Passim (L.); Sandy Bay (R.); Low Head,
 Bicheno (P.).
P. woolhousiae Harv. On *Macrocystis* (H.).

FLORIDEAE NEMALIONALES BONNEMAISONIACEAE

Asparagopsis Montagne

- A. armata* Harv. Devonport, Tamar, Low Head, Middleton (P.);
 Eaglehawk Neck (L.); Tasmania (Gunn);
 Tasmania (L. & P.).

Delisea Lamouroux

- D. elegans* (Ag.) North Coast, Derwent (R.); Low Head, Currie
 Mont. River, Eddystone Pt., Musselroe Bay, Adventu-
 re Bay (P.); Port Arthur, 1/1951 (Cribb);
 Tasmania (Levring, 1946).

- D. hypneoides* Harv. Tamar, Low Head (P.); George Town (H.).
D. pulchra (Grev.) Mont. Port Arthur (H.); Port Arthur, 2/1950 (Cribb).
D. serrata Kütz. Huon River (R.).

Ptilonia J. Ag.

- P. australasica* Harv. Tasmania (L. & P.); Oyster Bay (L., 1915); Port Esperance (L.); Low Head, Currie River, Cape Grim, Eddystone Pt. (P.).
P. intermedia Lucas Channel (R.); Low Head, Musselroe Bay, Eddystone Pt. (P.); Orford, 6/1950 (Cribb).
P. sabulifera J. Ag. Tasmania (Lodder).

Leptophyllis J. Ag.

- L. conferta* (R. Br.) J. Ag. Southport (Stuart); Southport (R.); Kent Is. (Brown); Tasmania (L. & P.); George Town (Gunn); Southport, 10/1951 (Cribb).

HELMINTHOCLADIACEAE

Batrachospermum Roth

- B. dillenii* Bory Esk River (L.); Mt. Field Plateau (R.).
B. moniliforme Roth Lake Leila, Cradle Mountain (R.).
B. vagum Ag. No locality (L.).

Liagora Lamouroux

- L. harveyana* Zeh. North Tasmania (L. & P.); George Town (H.).
L. wilsoniana Zeh. Tasmania (L. & P.).

Helminthocladia J. Ag.

- H. densa* (Harv.) Schmitz Tamar, Ulverstone, Kelso, Currie River (P.); Tasmania (L. & P.); George Town (Gunn).

CHAETANGIACEAE

Gloiophloea J. Ag.

- G. scinaoioides* J. Ag. Tamar, George Town, Derwent (Cribb).

Chaetangium Kützing

- C. lingula* Harv. Brown's River (Gunn); Huon River (R.); Eaglehawk Neck (L.).
C. flabellatum Harv. Port Arthur (H.).

Gelidium Lamouroux

- G. australe* J. Ag. No locality (L.); Low Head, Cape Grim, Currie River, Eddystone Pt. (P.); Port Arthur, 2/1950 (Cribb).
G. glandulaefolium H. & H. Circular Head, Southport (H.); Tasmania (L. & P.); Low Head, Currie River, Devonport, Wynyard, Cape Grim (P.).

Pterocladia J. Ag.

- P. lucida* (R. Br.)
J. Ag. No locality (Univ. Herb.); Cape Grim, Marrawah, Bicheno, Eddystone Pt. (P.).

CRYPTONEMIALES DUMONTIACEAE

Dasyphloea Montagne

- D. tasmanica* Harv. Circular Head (H.); Tasmania (L. & P.); Low Head (P.); Stewart's Bay, 6/1951 (Cribb).

SQUAMARIACEAE

Ethelia W. von Bosse

- E. australis* (Sond.)
W. v. Bosse Bass Strait (H.); Sandy Bay (R.); Tasmania (L. & P.); Blackman's Bay, 4/1948 (H.N.B.); Eddystone Pt., Currie River, Marrawah (P.).

Peysonnelia Decaisne

- P. gunniana* J. Ag. George Town (H.).

CORALLINACEAE CORALLINEAE

Amphiroa Lamouroux

- A. tasmanica* Sond. No locality (L.).

Corallina Linnaeus

- C. cuvieri* Lamour. Tasmania (L. & P.); Passim (L.); Shot Tower, Actaeon Is., Blackman's Bay (R.); Low Head, Currie R., Marrawah, Cape Grim, Eddystone Pt. (P.); Pt. Puer, 2/1952 (Cribb).
C. denudata Sond. Triabunna, 3/1950 (Cribb).
C. officinalis L. Bellerive (R.); Passim (L.); Low Head, Currie River (P.); Pt. Puer, 3/1951 (Cribb).
C. pilifera Lamour. Oyster Bay (Lucas, 1915); Southport, 10/1951 (Cribb).

Melobesia Lamouroux

- M. tasmanica* (Fosl.)
de Toni Tasmania.

Jania Lamouroux

- J. micrarthrodia* Lamouroux Channel (R.); Tasmania (L. & P.); On *Zostera* Port Arthur, 2/1950 (Cribb); On *Zostera*, Stewart's Bay, 1/1951 (Cribb); Low Head, Currie River (P.).
J. natalensis Harv. Triabunna, 3/1950 (Cribb).

Metagoniolithon W. von Bosse

- M. charoides* (Lamour.) W. v. Bosse North Coast (L.); Actaeon Is. (R.); Tasmania (L. & P.); Triabunna, 3/1950 (Cribb).

M. stelligera (Lam.)
W. v. Bosse
Tasmania (H.); Oyster Bay (Lucas, 1915);
Passim (L.); Tasmania (L. & P.); Currie R.,
9/1950 (Cribb).

Cheilosporum Decaisne

C. elegans (H. & H.)
Aresch.
George Town (Gunn).

Arthrocardia Decaisne

A. mallardiae (Harv.)
Aresch.
Passim (L.).
A. wardii (Harv.)
Aresch.
Tasmania (L. & P.).

MASTOPHOREAE

Metamastophora Setchell

M. canaliculata
(Harv.) Setchell
Tasmania (Stuart); Tasmania (L. & P.).
M. flabellata (Sond.)
Setchell
Passim (L.); Shot Tower (R.).

LITHOTHAMNIEAE

Lithothamnion Philippi

L. muelleri Lenorm.
On *Gelidium australe*, Port Arthur, 3/1950
(Cribb).
L. patena (H. & H.)
Heydrich
On *Ballia callitricha*, Port Arthur, 10/1951
(Cribb).

Lithophyllum Philippi

L. hyperellum Foslie
Pt. Puer, Eaglehawk Neck, Trial Harbour,
Sleepy Bay (E.R.G.). Identified by H. B. S.
Womersley.

GRATELOUPIACEAE

Halymenia Ag.

H. chondropsidea
J. Ag.
No locality (L.).
H. speciosa Zan.
George Town (Mrs. Goodwin).

Grateloupia Ag.

G. dubia Zan.
Hobart (L.).
G. flicina (Wulf.) Ag.
Passim (L.); Sandy Bay (R.); Tasmania (L. &
P.); Low Head, 9/1950, Bellerive, 3/1950
(Cribb).
G. prolifera J. Ag.
Tasmania (L. & P.); Tarooma, 9/1946 (P.B.).

- Pachymenia** J. Ag.
P. apoda J. Ag. No locality (L.); Tasmania (L. & P.).
P. orbicularis (Zan.) Tasmania (Cribb).
 S. & G.
- Prionitis** J. Ag.
Prionitis sp. Eddystone Pt., Musselroe Bay (P.).
- Polyopes** J. Ag.
P. constrictus (Turn.) Port Arthur, 10/1951 (Cribb).
 J. Ag.
- Carpopeltis** Schmitz
C. phyllophora (H. & H.) Schmitz Port Arthur (Jeanneret); Southport (Stuart).
- Thamnoclonium** Kützing
T. claviferum J. Ag. Tasmania (H.); Tasmania (L. & P.); Actaeon Is. (R.); Ralph's Bay, 2/1948 (P.B.); Passim (L.); Currie R., Devonport, Marrawah (P.).
- CALLYMENIACEAE
- Callophyllis** Kützing
C. coccinea Harv. Passim (L.); Bellerive (R.); Oyster Bay (Lucas, 1915); Tasmania (L. & P.); Adventure Bay, 4/1947 (P.B.); Low Head, Currie River, Devonport, Wynyard, Montagu, Musselroe Bay, Eddystone Pt., Swansea, Bicheno, Adventure Bay, Middleton, Dover (P.); Port Arthur, 10/1951, and 1/1951, Southport, 10/1951 (Cribb).
C. fimbriata H. & H. George Town (Gunn).
C. harveyana J. Ag. No locality (L.); Tasmania (L. & P.).
C. lambertii (Turn.) North Coast (L.); Shot Tower (R.); Orford (L.A.M.); Tasmania (L. & P.); Low Head, Currie River, Eddystone Pt., Adventure Bay (P.).
C. lingulata J. Ag. Tasmania (Gunn).
C. microcarpa Zan. George Town (Goodwin).
- Callymenia** J. Ag.
C. cribrosa Harv. Tamar (Fereday); Tasmania (L. & P.); East Coast (Gunn); Orford (L.A.M.); Musselroe Bay, Adventure Bay (P.).
C. tasmanica Harv. Tamar (H.); Orford (L.A.M.); Tasmania (L. & P.); Currie River, Musselroe Bay, Eddystone Pt., Adventure Bay (P.).

- Polycoelia** J. Ag.
P. fastigiata Harv. Tamar (H.); Orford (L.A.M.); Musselroe Bay, Currie River (P.).
P. laciniata J. Ag. Low Head (L. & P.); Adventure Bay (P.).
Meredithia J. Ag.
M. polycoelioides Orford (L.A.M.); Tasmania (L. & P.).
 J. Ag.

GIGARTINALES NEMASTOMACEAE

- Nemastoma** J. Ag.
N. feredayae Harv. George Town (Mrs. Fereday); Tasmania (L. & P.); Low Head, Currie River, Swansea (P.).
N. palmata Harv. Tasmania (L. & P.); Swansea (P.).

GRACILARIACEAE

- Curdiea** Harvey
C. laciniata Harv. Orford (L.A.M.); Rare in Tasmania (L. & P.); Eddystone Pt., Cape Grim, Musselroe Bay (P.).
C. meredithiae J. Ag. Orford (L.A.M.).

Trematocarpus Kützing

- T. concinnus* (R. Br.) Kent Islands (R. Br.).
 J. Ag.

Gracilaria Greville

- G. confervoides* (L.) Tasmania (L. & P.); Derwent (R.), (L.); Pt. Grev. Arthur, 1/1951 (Cribb); Bridport (P.).
G. flagellifera J. Ag. Sandy Bay (R.).
G. lichenoulis (L.) Ralph's Bay, 1940 (Univ. Herb.); Tamar, Middleton, Adventure Bay (P.).
 Harv.
 ? *G. spinescens* (Kütz.) No locality (L.).
 J. Ag.

Melanthalia Montagne

- M. obtusata* (Labill.) Tasmania (Gunn); Remine and Devonport (R.); Tasmania (L. & P.); Currie River, Eddystone Pt., Bicheno, Orford, Adventure Bay, Cape Grim (P.); Port Arthur, 10/1951 (Cribb).
 J. Ag.

Calliblepharis Kützing

- C. planicaulis* (Harv.) George Town (H.).
 Kylin

PLOCAMIACEAE

Plocamium Lamouroux

- P. costatum* (J. Ag.) Passim (L.); Adventure Bay, 4/1947 (P.B.); H. & H. Maria Is., Oyster Bay (Lucas, 1915); Devonport (R.); Low Head, Eddystone Pt., Currie River (P.).

- P. coccineum* v. *flexuosum* Harv. Port Arthur, 3/1950 (Cribb); Passim (L.); Low Head, Musselroe Bay, Eddystone Pt. (P.).
- P. dilatatum* J. Ag. No locality (L.).
- P. mertensii* (Grev.) Harv. Passim (L.); Derwent (R.); Low Head (P.).
- P. patagiatum* J. Ag. Tasmania (L.); Low Head, George Town (P.).
- P. procerum* (J. Ag.) Harv. Passim (L.); Tasmania (H.); Shot Tower (R.); Eddystone Pt., Musselroe Bay, Flinders Is., Tamar (P.).
- P. telfairiae* Harv. Tasmania (L. & P.); No locality (L.); Passim (L.); Adventure Bay, 4/1947 (P.B.); Maria Is. (R.); Devonport, Southport and Ralph's Bay (Univ. Herb.). This species was recorded as *P. angustum* and *P. gracile* by Lucas. Low Head, 9/1950 (Cribb); Tasmania (Levring, 1946).

Phacelocarpus Endlicher and Diesing

- P. alatus* Harv. Southport (R.).
- P. complanatus* Harv. Southport (Stuart); Tasmania (L. & P.); Musselroe Bay, Eddystone Pt., Cape Grim (P.); Tasmania (Levring, 1946).
- P. labillardieri* (Mert.) J. Ag. Passim (L.); South Arm, 7/1946 (P.B.); Tasmania (H.); Devonport (R.); Tasmania (L. & P.); Low Head, Currie River, Eddystone Pt., Bicheno, Swansea, Orford, Adventure Bay, Cape Grim, Marrawah, Cape Sorell (P.); Port Arthur, 10/1951 (Cribb).

SARCODIACEAE

Nizymania Sonder

- N. australis* Sond. Southport (Stuart); Gordon, Eddystone Pt., Currie River (P.); Tasmania (L. & P.).

SOLIERIACEAE

Solieria J. Agardh

- S. robusta* (Grev.) Kylin Ralph's Bay (R.); Tasmania (L. & P.); George Town (H.); Low Head, Currie River, George Town, Devonport (P.); Tasmania (Levring, 1946).
- S. compressa* (J. Ag.) Kylin No locality (L.); Tasmania (Levring, 1946).

RHABDONIACEAE

Areschougia Harvey

- A. laurencia* (H. & H.) Harv. Orford (L.A.M.); Tasmania (L. & P.); Low Head, Currie River (P.); George Town (Gunn).
- A. stuartii* Harv. Southport (Stuart; Port Esperance (L.).

Erythroclonium Sonder

- E. muelleri* Sond. Actaeon Is. (R.); Orford (L.A.M.); Tasmania (L. & P.); Currie River (P.); Tarooma, 2/1951 (Cribb).

Rhabdonia Harvey

- R. coccinea* Harv. George Town (H.); Devonport (R.); Tasmania (L. & P.); Low Head, Adventure Bay (P.).
- R. dendroides* Harv. Tasmania (L. & P.).
- R. mollis* (Harv.) Lucas
George Town (P.).
- R. nigrescens* Harv. No locality (L.); Tasmania (L. & P.); Low Head, Currie River, Montague (P.); George Town (H.).
- R. umbellata* Zan. No locality (L.); Ulverstone, Musselroe Bay (P.).
- R. verticillata* Harv. George Town (H.); Channel, Ralph's Bay (R.); Tasmania (L. & P.); Orford (L.A.M.); Low Head, Currie River, Devonport, Wynyard (P.).

RHODOPHYLLIDACEAE

Rhodophyllis Kützing

- R. goodwiniae* J. Ag. Tamar (Mrs. Goodwin); Tasmania (L. & P.).
- R. gunnii* Harv. Tamar (L.); Channel (R.); Tasmania (L. & P.); Orford (L.A.M.); Tarooma (H.D.G.); Currie River, Eddystone Pt., Adventure Bay, Middleton (P.); Southport, 10/1951 (Cribb); Tasmania (Levring, 1946).
- R. membranacea* Harv. No locality (L.); Tasmania (L. & P.); Low Head, Montague, Currie River, Musselroe Bay, Eddystone Pt. (P.); George Town (Gunn); Southport (Stuart).
- R. multipartita* Harv. No locality (L.); Port Arthur (Lyal); Port Arthur (H.); Low Head, Currie River, Eddystone Pt., Musselroe Bay, George Town (P.).

Meristotheca J. Agardh

- M. tasmanica* J. Ag. Orford (L.A.M.).

HYPNEACEAE

Hypnea Lamouroux

- H. episcopalis* H. & H. Passim (L.); Tasmania (H.); Tasmania (L. & P.); Low Head, Currie River, Montagu, Devonport (P.).
- H. musciformis*
(Wulf.) Lamour.
George Town (Gunn).
- H. seticulosa* J. Ag. Passim (L.); Tasmania (L. & P.); Low Head, Cape Grim, Currie River (P.).

Rhododactylis J. Ag.

R. bulbosa (Harv.)
J. Ag.

No locality (L.); East Coast of Tasmania
(Gunn); Derwent (Oldfield).

MYCHODEACEAE

Mychodea Harvey

M. carnososa Harv.

Tamar (L.); George Town (H.), (Gunn); Der-
went (R.); Cape Grim, Musselroe Bay, Eddy-
stone Pt., Montagu (P.); Lewisham, 11/1950
(Cribb).

M. disticha Harv.

Derwent (R.); East Coast (Gunn).

M. hamata Harv.

Passim (L.); Low Head, George Town, Currie
River (P.); Port Arthur, 10/1951 (Cribb);
Tasmania, George Town, Port Arthur (H.).

M. membranacea
Harv.

Orford (L.A.M.).

M. terminalis Harv.

George Town (H.).

Gymnogongrus Martius

G. fastigiatus Harv.

Forester's River (Gunn); Eaglehawk Neck
(P.).

Ectoclinium J. Ag.

E. dentatum J. Ag.

No locality (L.); Tasmania (Gunn); Low Head
(Cribb).

Stenogramma Harvey

S. interrupta (Ag.)
Mont.

Bellerive (R.); mouth of Derwent (L.); George
Town, Port Arthur (H.); Tasmania (L. & P.);
Eaglehawk Neck (P.).

ACROTYLACEAE

Acrotylus J. Ag.

A. australis J. Ag.

Tasmania (H.); Tasmania (L. & P.); Mussel-
roe Bay, Eddystone Pt., Cape Grim, Marrawah
(P.).

GIGARTINACEAE

Gigartina Stackhouse

G. aciculifera Zan.

Derwent (R.).

G. ancistroclada Mont.

Mouth of Derwent (Gunn, Rodway); Brown's
River (Gunn); Bellerive (R.); Musselroe Bay,
Eddystone Pt. (P.).

G. binderi Harv.

Hobart, Burnie (L.).

G. brachiata Harv.

George Town (H.); Orford (L.A.M.).

G. congesta Zan.

No locality (L.); Hobart (Cribb).

G. crassicaulis (J. Ag.)
S. & G.

Passim (L.); Bellerive (R.); Tasmania (H.);
Huon River (R.); Orford (L.A.M.); Tasmania
(L. & P.); Low Head, Eddystone Pt., Cape
Grim, Marrawah (P.).

- G. gigantea* J. Ag. No locality (L.); Tasmania (L. & P.); Swansea, Adventure Bay, Eddystone Pt. (P.).
G. muelleriana S. & G. Tasmania (L. & P.); Musselroe Bay, Eddystone Pt., Marrawah, Cape Grim (P.); Low Head, 1944 (H.D.G.).
G. pinnata S. & G. Swansea (P.).
G. radula (Esp.) J. Ag. Orford (L.A.M.); Eddystone Pt. (P.).
G. wehliæ Sond. Hobart (Melb. Herb.).

Rhodoglossum J. Ag.

- R. prolifera* J. Ag. No locality (L.).

Iridaea Bory

- I. australasica* (J. Ag.) Lucas & Perrin No locality (L.); Tasmania (L. & P.); Low Head (P.).
I. folifera Harv. No locality (L.); George Town (P.); George Town (Gunn).
I. harveyi J. Ag. No locality (L.); George Town (Gunn).
I. polycarpa Harv. No locality (L.); Low Head (P.); Stewart's Bay, 6/1951 (Cribb).
I. purpurea J. Ag. No locality (L.); Low Head (P.).
 ? *I. latissima* (H. & H.) Grunow No locality (L.); Orford (L.A.M.).

DICRANEMACEAE

Dicranema Sonder

- D. grevillei* Sonder Flinders Is. (H.).

RHODYMENIALES RHODYMENIACEAE FAUCHEAE

Bindera Harvey

- B. splanchnoides* Harv. N. Tasmania (L. & P.); Bellerive (R.); George Town (Archer); Musselroe Bay, Currie River (P.); George Town (H.).

Gloioderma J. Ag.

- G. australis* J. Ag. No locality (L.); E. Coast (Gunn); Currie R. Eddystone Pt., (P.).
G. fruticulosum (Harv.) de Toni Tasmania (L. & P.).
G. speciosa (Harv.) J. Ag. Low Head (P.); George Town (Goodwin).
G. wilsonis (J. Ag.) de Toni Currie River, Eddystone Pt. (P.); Tasmania (L. & P.).

RHODYMENIEAE

Botryocladia Kylin

- B. obovata* (Sond.) Kylin George Town (Harv.), (L.).

- Chrysomenia** J. Ag.
C. coccinea Harv. Van Diemen's Land (H.); George Town (H.).
- Sebdenia** Berthold
S. kallymenioides (Harv.) de Toni Orford (L.A.M.).
Sebdenia sp. Adventure Bay, Bellerive (P.).
- Erythrymenia** Schmitz
E. meredithiana (J. Ag.) Kylin Orford (L.A.M.).
- Gloiosaccion** Harvey
G. brownii (Harv.) J. Ag. Tamar, Ulverstone, Channel (L.); Tasmania (L. & P.); Mouth of Derwent and Huon Rivers, Maria Is., Channel (R.); Orford (L.A.M.); Blackman's Bay, 4/1948 (H.N.B.).
- Epymenia** Kützing
E. cuneata (Harv.) J. Ag. East Coast (Gunn); Port Esperance (L.).
E. halymenioides J. Ag. Channel (L.); Orford (L.A.M.).
E. membranacea Harv. Southport (Stuart); George Town (H.).
E. wilsonis Sond. Port Arthur, 10/1951 (Cribb).
- Rhodymenia** Greville
R. corallina (Bory) Grev. George Town (Gunn).
R. foliifera Harv. Channel (R.); Orford (L.A.M.), 10/1951 (Cribb).
R. linearis J. Ag. No locality (L.); Low Head, Currie River, Eddystone Pt. (P.).
R. pinnulata Zan. No locality (L.); George Town (Goodwin).
R. prolificans Zan. No locality (L.); George Town (Goodwin).
- Hymenocladia** J. Ag.
H. polymorpha (Harv.) J. Ag. Flinders Is. (H.); George Town (H.).
Tasmania (L. & P.); Low Head, Adventure Bay, Eddystone Pt. (P.).
- CHAMPIACEAE CHAMPIEAE
Champia Desveau
C. affinis (H. & H.) J. Ag. George Town (H.); No locality (L.).
C. insignis Lucas Derwent Estuary (L. & P.).
C. obsoleta Harv. George Town, Southport (Stuart); Derwent (R.); Stewart's Bay, 6/1951, Southport, 10/1951 (Cribb); Low Head (P.).
C. parvula (Ag.) No locality (L.); George Town (H.).

C. tasmanica Harv. Blackman's Bay, Bellerive, Southport (R.);
Low Head, Eddystone Pt., Musselroe Bay, Cape
Grim (P.).

Chylocladia Greville

C. clavellosa (Turn.)
Grev. George Town (H.).

CERAMIALES CERAMIACEAE GRIFFITHSIAE

Griffithsia C. Ag.

- G. antarctica* H. & H. Brown's River (Gunn; George Town (H.).
G. flabelliformis Harv. George Town (Gunn); No locality (L.); Tas-
mania (L. & P.).
G. gracilis Harv. George Town (H.); Low Head (P.).
G. grandis Middleton (P.).
G. gunniana J. Ag. No locality (L.); Tasmania (L. & P.); Tas-
mania (Levring, 1946).
G. monilis Harv. Bellerive (R.); Tasmania (L. & P.); Port Ar-
thur, 10/1951 (Cribb).
G. ovalis Harv. Coles Bay, 2/1950 (H.N.B.).

MONOSPOREAE

Neomonospora Setchell & Gardner

- N. arachnoides* (Harv.) No locality (L.); George Town (H.).
Womersley
N. elongata (Harv.) Tasmania (L. & P.); No locality (L.); Low
Womersley Head, George Town, Musselroe Bay, Eddystone
Pt., Currie River (P.); George Town (Gunn).
N. griffithsioides Orford (L.A.M.); George Town (Gunn); Der-
(Sond.) Womer- went, Huon, Bellerive, Southport (R.); Tas-
sley mania (L. & P.).

Bornetia Thuret

- B. meredithiana* J. Ag. Orford (L.A.M.); Tasmania (L. & P.); South-
port, 10/1951 (Cribb).

Pleonosporium Naegeli

- P. comatum* (J. Ag.) No locality (L.); Tasmania (L. & P.).
de Toni

SPERMOTHAMNIEAE

Spermothamnion Areschoug

- S. turneri* (Mert.) No locality (L.).
Aresch.

CALLITHAMNIEAE

Callithamnion Lyngbye

- C. fastigiatum* Harv. George Town (Gunn); Low Head, Currie R.,
Musselroe Bay, Bridport (P.).

- C. corymbosum* (Smith) C. Ag. On shells, *Posidonia*, &c., at Low Head, 9/1950, on shells, tube worms, at Spring Bay, 6/1951 (Cribb).
C. laricinum Harv. Port Arthur (H.); Tasmania (L. & P.).
S. byssoides de Toni var. *caulescens* J. Ag. **Seirospora** Harvey No locality (L.).

SPONGOCLONIEAE

Haloplegma Montagne

- H. preisii* Sond. Orford (L.A.M.); North Coast (L.); Low Head, Currie River, Eddystone Pt., Marrawah (P.); Tarooma, 1/1948 (P.B.).

Spongoclonium Sonder

- S. angustatum* (H. & H.) de Toni George Town (H.).
S. latissimum (H. & H.) de Toni North Coast (L.); George Town (Gunn); Low Head, George Town, Bell Bay (P.).
S. paradoxum (Harv.) de Toni Derwent (L.); Sandy Bay (R.); Tasmania (L. & P.); Pilot Station, Derwent, 2/1950 (Cribb).
S. scoparium J. Ag. Orford (L.A.M.).
S. violaceum (Harv.) de Toni Tamar (H.); Derwent (L.).
S. wilsonianum J. Ag. George Town (P.).
S. wollastonianum J. Ag. Low Head (P.).

Warrenia Kützing

- W. comosa* Harv. Derwent and Muddy Plains Beach (R.); Tamar (H.); Tasmania (Gunn, (L. & P.)); Low Head, George Town, Pt. Effingham (P.).

PTILOTEAE

Euptilota Kützing

- E. articulata* (J. Ag.) Schmitz Passim (L.); George Town (Gunn); Tasmania (L. & P.); Low Head, Currie River, Musselroe Bay, Eddystone Pt., Adventure Bay (P.); Tasmania (Levring, 1946).
E. coralloidea (J. Ag.) Schmitz King Island (Mrs. Spong); Tasmania (L. & P.); Low Head, Currie River (P.).
E. jeanneretti (Harv.) Schmitz Orford (L.A.M.); Port Arthur (Jeannerett); Southport (Stuart); Tasmania (Harv.), (L. & P.).

Rhodocallis Kützing

- R. elegans* Kütz. Southport (Stuart); Actaeon Is. (R.); Tasmania (L. & P.); Blackman's Bay, 4/1948 (H.N.B.); Orford, 10/1951 (Cribb).

DASYPHILEAE

Dasyphila Sonder

D. preissii Sonder
Tasmania (L. & P.).

Muellerena Schmitz

M. insignis (Harv.)
de Toni
Ulverstone (L.); Derwent (R.); Tasmania (L. & P.); Low Head, Currie River (P.).

Gulsonia Harvey

G. annulata (Harv.)
George Town (Gunn); Low Head, Currie River (P.).

CROUANIEAE

Antithamnion Naegeli

- A. dispar* (Harv.)
J. Ag.
East Coast (Gunn); Tasmania (L. & P.).
- A. divergens* (J. Ag.)
de Toni
George Town (Gunn, (H.); Tasmania (L. & P.); Swansea (P.).
- A. flaccidum* (H. & H.)
de Toni
Tasmania (Gunn).
- A. mucronatum*
(J. Ag.) de Toni
Passim (L.); Channel (R.); Tasmania (L. & P.); Low Head, George Town, Currie River, Eddystone Pt., Middleton (P.); George Town (Gunn).
- A. nodiferum* J. Ag.
Port Arthur (L.).
- A. plumula* (Ellis)
Thuret
George Town (H.); Derwent (L.); Tasmania (L. & P.).

Ballia Harvey

- B. callitricha* (Ag.)
Mont.
Tasmania (L. & P.); Orford (L.A.M.); King Is., Derwent and Remine (R.); Passim (L.); Adventure Bay, 4/1947 (P.B.); Blackman's Bay, 2/1948 (H.N.B.); Low Head, Cape Grim, Marrawah, Eddystone Pt., (P.); Port Arthur 10/1951 (Cribb).
- B. mariana* Harv.
Eddystone Pt., Cape Grim (P.); Port Arthur, 10/1951 (Cribb).
- B. robertiana* Harv.
Southport (Stuart); Tasmania (L. & P.); Eddystone Pt., Cape Grim, Sorell (P.); Port Arthur, 10/1951 (Cribb).
- B. scoparia* Harv.
King Is., Remine (R.); Port Arthur (L.); Blackman's Bay, 2/1948 (H.N.B.); Tasmania (L. & P.).

Crouania J. Ag.

- C. australis* (Harv.)
L. Ag.
Table Cape (H.); Low Head (L.); Tasmania (L. & P.).

- C. gracilis* J. Ag. No locality (L.).
C. hanowoides (Sond.) de Toni On *Gelidium australe*, Pt. Puer, 2/1952 (Cribb).
C. mucosa Womersley Among *Zostera*, Low Head, 9/1950 (Cribb).
C. muelleri Harv. Currie River (P.).
C. vestita Harv. Bicheno (P.).

Lasiothalia Harvey

- L. hirsuta* Harv. Ulverstone (L.); Tasmania (L. & P.); Low Head, George Town (P.); Tasmania (Levring, 1946).

SPYRIDIEAE

Spyridia Harvey

- S. biannulata* J. Ag. No locality (L.); Tasmania (L. & P.); Low Head (P.).
S. breviararticulata J. Ag. No locality (L.).
S. filamentosa (Wulf.) Harv. George Town (Univ. Herb.); Port Arthur, 6/1950 (Cribb).
S. opposita Harv. Tasmania (L. & P.); Southport (Stuart); Derwent (R.).

CERAMIEAE

Centroceras Kützting

- C. clavulatum* (Ag.) Mont. Passim (L.); Port Esperance, Eaglehawk Neck (R.); Orford (L.A.M.); Port Arthur, 1/1951 (Cribb); Bicheno, 10/1951 (Cribb).

Ceramium Wiggers

- C. aequabile* J. Ag. Passim (L.); Low Head, Bridport (P.); George Town (Gunn); Orford (L.A.M.).
C. deslongchampsii Chauv. No locality (L.).
C. divergens J. Ag. Tasmania (L.); Currie River (P.).
C. excellens J. Ag. Derwent (L.); Tasmania (L. & P.).
C. fastigiatum Harv. On *Zostera*, Port Arthur, 10/1951 (Cribb).
C. gracillimum Griff. & Harv. George Town (H.); Tasmania (L. & P.).
C. isogonum Harv. Tasmania (L. & P.).
C. monacanthum J. Ag. Derwent (R.).
C. nobile J. Ag. Derwent (L.), (R.); Tasmania (L. & P.); Low Head, George Town (P.).
C. puberulum Sond. Tamar (L.); Tasmania (L. & P.); Low Head, George Town (P.), (Gunn).
C. ramulosum H. & H. Tamar (Gunn).
C. stichidiosum J. Ag. No locality (L.).

- C. subcartilagineum* J. Ag. Passim (L.); Tasmania (L. & P.); Low Head, Musselroe Bay, Eddystone Pt. (P.).
C. tenuissimum (Lyngb.) J. Ag. Tasmania (H.).
C. torulosum J. Ag. Maria Is., Derwent (R.).

Thamnocarpus Harvey

- T. gunnianus* Harv. George Town (H.); Tasmania (L. & P.).
T. harveyanus J. Ag. No locality (L.).

Microcladia Greville

- M. pinnata* J. Ag. Tasmania (Levring, 1946).

WRANGELIEAE

Wrangelia Ag.

- W. ballioides* J. Ag. Tasmania (L. & P.); Tamar, Low Head, Montagu, Cape Grim, Eddystone Pt. (P.).
W. crassa H. & H. George Town (Gunn); Tasmania (L. & P.).
W. gunniana J. Ag. No locality (L.).
W. jeanneretti H. & H. Port Arthur (H.).
W. mucronata Harv. Tasmania (L. & P.); Currie River, Musselroe Bay (P.).
W. nobilis Harv. Tamar (H.); Port Esperance (L.); Tasmania (L. & P.); Orford (L.A.M.); Low Head (P.); Low Head, 9/1950 (Cribb); Orford, 10/1951 (Cribb).
W. plumosa Harv. D'Entrecaseaux Channel (R.); Passim (L.); Tasmania (L. & P.); George Town (Gunn); Flinders Is., Low Head, Ulverstone, Bicheno, Adventure Bay (P.).
W. protensa Harv. George Town (H.); Tasmania (L. & P.); Low Head, Musselroe Bay, Currie River (P.).
W. setigera Harv. George Town (Gunn), (H.).
W. velutina Harv. Tasmania (Levring, 1946).
W. verticillata Harv. Tasmania (L. & P.); Musselroe Bay, Currie R. (P.).

DASYACEAE

Dasya C. Ag.

- D. capillaris* H. & H. Tamar (H.); Channel (R.); Low Head, 1944 (H.D.G.); Tasmania (L. & P.); George Town (P.).
D. ceramioides Harv. Huon River, Actaeon Is. (R.); Tasmania (L. & P.); Low Head, George Town, Gordon (P.).
D. elongata Sond. Tasmania (Levring, 1946).
D. feredayae Harv. George Town (Mrs. Fereday); Derwent (R.); Low Head, Currie River (P.).
D. haffiae Harv. Table Cape (H.); George Town (Gunn); Tasmania (L. & P.); Low Head (P.).

- D. hapalathrix* Harv. George Town and Pt. Rapid (H.); Tasmania (L. & P.).
- D. meredithiae* J. Ag. Low Head, Currie River (P.); Taroona, 9/1946 (P.B.).
- D. naccarioides* Harv. Passim (L.); Tasmania (L. & P.); Cape Portland, George Town, Low Head, Currie River, Musselroe Bay, Eddystone Pt. (P.); George Town (Gunn); Port Arthur, 1/1951 (Cribb).
- D. tasmanica* Sond. George Town (H.); Low Head, Currie River (P.).
- D. urceolata* Harv. Derwent (R.); Tasmania (L. & P.).
- D. villosa* Harv. Passim (L.); Barnes Bay, Ralph's Bay (R.); Tasmania (L. & P.); Bell Bay, Tamar, Kelso, Currie River, Eddystone Pt., Montagu, Adventure Bay (P.).

Halodictyon Zanardini

- H. arachniodeum* Harv. Tasmania (L. & P.); Coles Bay (P.).

Heterosiphonia Montagne

- H. archeri* (Harv.) de Toni George Town (Archer).
- H. gunniana* (Harv.) Falk. Passim (L.); Tasmania (L. & P.); Low Head, 1944 (H.D.G.); George Town, Middleton (P.).
- H. microcladioides* (J. Ag.) Falk. George Town (Gunn).
- H. muelleri* (Sond.) de Toni Ulverstone, Tamar, Musselroe Bay, Low Head (P.); Tasmania (H.), (L. & P.).
- H. struthiopenna* (J. Ag.) de Toni No locality (L.); Low Head, George Town (P.).
- H. wrangelioides* (Harv.) Falk. Low Head, 9/1950 (Cribb).

Thuretia Decaisne

- T. quercifolia* Decaisne Flinders Is., Musselroe Bay (P.).

DELESSERIACEAE DELESSERIEAE

Apoglossum J. Ag.

- A. ruscifolium* (Turn.) J. Ag. Tamar (L.); Very doubtful (Cribb).
- A. tasmanicum* (F. v. M.) J. Ag. Ralph's Bay, Barnes Bay (R.); Tamar (Harv.); Port Esperance (L.); Tasmania (L. & P.); Low Head (P.).

Claudea Lamouroux

- C. elegans* Lamour. George Town (L.); Tamar (H.), (Fereday), (L. & P.).

- Hemineura** Harvey
H. frondosa Harv. Derwent, Sandy Bay (R.); Passim (L.); Tasmania (H.), (L. & P.); Low Head, 9/1950 (Cribb); Port Arthur, 2/1952 (Cribb); Musselroe Bay, Eddystone Pt., Middleton (P.).
H. wilsonia J. Ag. Tamar (L.).

- Halicnide** J. Ag.
H. similans J. Ag. Tamar (H.); No locality (R.).

- Hypoglossum** Kützing
H. heterocystideum Channel (R.).
 J. Ag.
H. spathulatum Tamar (P.).
 (Kütz.) J. Ag.

- Phitymophora** J. Ag.
P. imbricata (Aresch.) Passim (L.); Sandy Bay (R.); Tasmania (L. & P.).
 J. Ag.

- Sarcomenia** Sonder
S. corymbosa J. Ag. Low Head, Currie River (P.).
S. dasyoides Harv. Ulverstone (L.).
S. tenera (Harv.) Low Head, Currie River (P.).
 J. Ag.
S. victorinae (Harv.) Low Head, Gordon (P.).
 J. Ag.

- Sonderella** Schmitz
S. linearis (Sond.) Tamar (Quaife).
 Schmitz

- Caloglossa** Harvey
C. leprieurii (Mont.) Tasmania, estuaries (L. & P.); no locality (L.).
 J. Ag.

NITOPHYLLEAE

- Cryptopleura** Kützing
C. endiviaefolia (H. & No locality (L.).
 H.) Kylin

- Hymenena** Greville
H. affinis (Harv.) Retreat (R.).
 Kylin
H. curdiana (Harv.) Tamar (L.).
 Kylin
H. multipartita (H. & No locality (L.).
 H.) Kylin

- Nitophyllum** Greville
N. crispum (Kütz.) J. Ag. North Coast (L.); Low Head, 9/1950 (Cribb); Tasmania (Levring, 1946).
N. hymenema Zan. Hobart (Cribb).
N. obseletum Zan. George Town (Goodwin).
N. perrinae Lucas George Town (L. & P.).
N. polyanthum J. Ag. No locality (L.).
N. uncinatum (Turn.) J. Ag. George Town, Low Head (P.).

- Mesotrema** J. Ag.
M. australis (Harv.) Tasmania (Gunn), (H.).
 Pap.
 ? *M. gigas* (Harv.) Tamar (H.).
 Pap.

- Platyclinia** J. Ag.
P. stipitata (Harv.) Tasmania (L. & P.); Tasmania (L.).
 J. Ag.

- Myriogramme** Kylin
M. gattyana (J. Ag.) Derwent (R.).
 Kylin
M. gunniana (Harv.) George Town (Gunn); Tasmania (L. & P.);
 Kylin Orford, 6/1950, and 1/1952 (Cribb); Tasmania
 (Levring, 1946).

RHODOMELACEAE POLYSIPHONIEAE

- Chiracantha** Falkenberg
C. arborea (Harv.) George Town (H.); Tasmania (L. & P.);
 Falk. Currie River (P.).
C. valida (J. Ag.) Low Head, 9/1950 (Cribb).
 Falk.

- Pithyopsis** Falkenberg
P. tasmanica (Sond.) George Town (H.); Currie River (P.).
 Falk.

- Bryocladia** Schmitz
B. ericoides (Harv.) Eaglehawk Neck (L.); Port Arthur, Tasmania
 Schmitz (H.); Port Arthur, 1/1951 (Cribb).

- Lophurella** Schmitz
L. hookeriana (J. Ag.) Port Arthur, 2/1951 (Cribb).
 Falk.
L. pericladus (Sond.) Derwent (R.); Brown's River (Gunn); South-
 Schmitz port (H.); Channel (R.); Tasmania (L. & P.);
 Low Head, Currie River (P.).

Falkenbergia Schmitz

- F. vagabunda* (Harv.) Falk. Eaglehawk Neck (H.); Tasmania (L. & P.).

Polysiphonia Greville

- P. abeissa* H. & H. Ulverstone, Port Esperance (L.); Tasmania (L. & P.); Low Head, Flinders Is. (P.); Bellerive, 3/1950, Southport, 10/1951 (Cribb).
- P. caespitula* Sonder. Eaglehawk Neck (R.).
- P. cancellata* Harv. Shot Tower (R.); Bellerive, Tasmania (L. & P.); Low Head (P.); Tasmania (Levring, 1946).
- P. crassiuscula* Harv. East Coast (Gunn), (L. & P.).
- P. dasyoides* Zan. George Town (L. & P.).
- P. ferulacea* Suhr. Table Cape (Miss Mackenzie); Burnie (Carter); both quoted by Lucas, 1928. Tasmania (L. & P.).
- P. flavescens* Zan. George Town (L. & P.).
- P. frutex* Harv. Derwent (R.); Tasmania (L. & P.); Low Head and all parts of Tasmania (P.).
- P. fuscescens* Harv. Port Arthur, 1/1951, and 3/1950, Dover, 3/1951 (Cribb).
- P. hookeri* Harv. Tasmania (L. & P.); Passim (L.); Tarooma, 1/1948 (P.B.); Channel (R.); Low Head, Montagu, Middleton, Bellerive, Currie River, Musselroe Bay (P.); Pittwater, 12/1951, Lewis- ham, 11/1950, Port Arthur, 1/1952, Tarooma, 1/1951, Southport, 10/1951 (Cribb).
- P. hystrix* H. & H. Passim (L.); Tasmania (L. & P.); Low Head, Currie River, Eddystone Pt., Musselroe Bay, Montagu (P.); Tasmania (Levring, 1946).
- P. laxa* Harv. East Coast (Gunn); Tasmania, on *Zostera* (L. & P.).
- P. longissima* J. Ag. Derwent (R.).
- P. macarthuria* Zan. George Town (Goodwin).
- P. mallardiae* Harv. Snug (L.); Devonport (R.); Low Head (P.).
- P. mollis* H. & H. Passim (L.); Actaeon Is., Risdon, Sandy Bay (R.); Tasmania (L.); George Town, Tamar (P.).
- P. nigrita* Sond. Derwent, Southport (R.); Tasmania (L. & P.).
- P. patersonis* Sond. In *Zostera*, Low Head, 9/1950 (Cribb); Tasmania (Stuart).
- P. spinuligera* Zan. George Town (Goodwin).
- P. succulenta* Harv. George Town (Gunn); Tasmania (L. & P.); Low Head (P.).

LOPHOTHALIEAE

Brogniartella Bory

- B. australis* (Ag.) Schmitz. Tasmania (H.), (L. & P.); Tamar, Low Head, Middleton (P.).

- B. feredayae* (J. Ag.) Schmitz George Town (Fereday); Currie River, Middleton (P.).
B. sarcocaulon (Harv.) Schmitz North Coast (L.); Derwent (R.); Tasmania (L. & P.).

Doxodasya Schmitz

- D. bulbochaete* (Harv.) Falk. George Town (H.); Low Head, Currie River (P.).

Lophothalia Kützing

- L. verticillata* (Harv.) Kütz. George Town (H.); Tasmania (L. & P.); Tamar (P.).

BOSTRYCHIEAE

Bostrychia Montagne

- B. harveyi* Mont. Tasmania (Stuart); Tasmania (L. & P.); Dover Creek, 9/1950 (Cribb).
B. mixta H. & H. Port Arthur (H.); Port Arthur, 1/1951 (Cribb).
B. simpliciuscula Harv. Port Arthur (H.).

CHONDRIEAE

Chondria C. Ag.

- C. debilis* Harv. Tamar (Gunn); George Town (L. & P.).
C. fusifolia H. & H. Huon (R.); Derwent (L.); Tasmania (L. & P.); Low Head (P.).
C. harveyana J. Ag. Channel (R.).
C. ovalifolia J. Ag. Low Head (P.).
C. succulenta (J. Ag.) Falk. Channel (R.).
C. tenuissima (God. & Wood) C. Ag. George Town (L. & P.).

Cladurus Falkenberg

- C. elatus* (Sond.) Falk. Tasmania (L. & P.); Currie River, Devonport (P.); Low Head, 1944 (H.D.G.).

Maschalostroma Schmitz

- M. fastigiata* Falk. George Town (P.).

Coeloclonium J. Ag.

- C. incrassatum* J. Ag. Tasmania (L.A.M.), (L. & P.).
C. opuntiioides (Harv.) J. Ag. George Town (Gunn).
C. verticillatum (Harv.) J. Ag. Maria Is. (R.).

Dolichoscelis J. Ag.

- D. clavifera* J. Ag. Tasmania (L.A.M.), (L. & P.).

LAURENCIEAE

Janczewskia Solms

J. tasmanica Falk. Tasmania (L. & P.).

Laurencia Lamouroux

- L. botryoides* (Turn.) Gaill. Derwent, Huon, Sandy Bay (R.); Tasmania (Gunn), (L. & P.); Low Head, Musselroe Bay (P.); Southport, 10/1951 (Cribb).
- L. elata* (Ag.) Harv. Passim (L.); Tasmania (L. & P.); Cape Grim, Eddystone Pt., Marrawah, Currie River (P.); Port Arthur, 3/1951 (Cribb).
- L. filiformis* (Ag.) Mont. No locality (L.); Tasmania (L. & P.); George Town (H.); Devonport (P.).
- L. forsteri* (Mert.) Grev. Blackman's Bay, Sandy Bay (R.); Tasmania (L. & P.); Low Head, Currie River, Eddystone Pt. (P.).
- L. heteroclada* Harv. King Is. (Spong).
- L. obtusa* (Huds.) Lamour. Passim (L.); Maria Is., Huon (R.).
- L. tasmanica* H. & H. Tamar, Eaglehawk Neck (L.); Retreat, Maria Is. (R.); Tasmania (L. & P.); Currie River, Low Head (P.); Low Head, 9/1950 (Cribb).

Corynecladia J. Ag.

C. umbellata J. Ag. Orford (L.A.M.).

PTEROSIPHONIEAE

Dictymenia Greville

- D. harveyana* Sond. Passim (L.); Tasmania (L. & P.); Low Head, George Town, Eddystone Pt., Middleton (P.); Bellerive, Shot Tower (R.); George Town (H.).
- D. myriacantha* Kütz. George Town (H.); Low Head, Currie River (P.).
- D. tridens* (Mert.) Grev. Tasmania (L. & P.); Musselroe Bay (P.).

Jeannerettia Hooker & Harvey

- J. lobata* H. & H. Passim (L.); Tasmania (L. & P.); Oyster Bay, Port Arthur, Tasmania (Lucas, 1915); Blackman's Bay, 5/1948 (H.N.B.); Low Head, George Town, Eddystone Pt., Cape Grim, Marrawah (P.).
- J. pedicillata* (Harv.) Pap. Passim (L.); Tasmania (L. & P.); Retreat (R.); Low Head, Tamar, Currie River, Eddystone Pt. (P.); Stewart's Bay, 6/1951, Orford, 6/1950 (Cribb).

POLYZONIEAE

Euzoniella Falkenberg

- E. harveyana* (Dene.) Falk. Tasmania (Falkenberg).
E. incisa (J. Ag.) Falk. North Coast (L.); Tasmania (H.), (L. & P.);
 Actaeon Is., Bellerive (R.); Low Head, 9/1950
 (Cribb).

HERPOSIPHONIEAE

Herposiphonia Nageli

- H. monilifera* (H. & H.) Falk. Tasmania (Gunn).
H. versicolor (H. & H.) Falk. Passim (L.); Tasmania (L. & P.); Low Head,
 George Town, Currie River (P.); Port Arthur,
 1/1952 (Cribb).

Herpopteros Falkenberg

- H. fallax* Falk. No locality (L.); Tasmania (L. & P.);

AMANSIEAE

Lenormandia Sonder

- L. marginata* H. & H. Passim (L.); George Town (Gunn); Channel
 (R.); Tasmania (L. & P.); South Arm, 8/1946
 (P.B.); Low Head, Currie River, Eddystone
 Pt., Marrawah, Middleton, Gordon (P.);
 Tarooona, 2/1951 (Cribb); Tasmania (Levring,
 1946).
L. muelleri Sond. Tasmania (L. & P.); Musselroe Bay, Swansea
 (P.).
L. prolifera (Ag.) J. Ag. Tasmania (Gunn); Low Head (P.); Stewart's
 Bay, 6/1951 (Cribb).
L. smithiae (H. & H.) Falk. No locality (L.); Eddystone Pt., Swansea (P.);
 3 miles S.E. of Cape Barren Is., 11/1951
 (Cribb).

Protokuetzingia Falkenberg

- P. australasica* (Mont.) Falk. Tasmania (H.); Low Head (P.); Orford,
 1/1952 (Cribb).

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