

A LIST OF THE KNOWN LICHENS OF TASMANIA.

BY JOHN SHIRLEY, B. SC., QUEENSLAND.

In preparing this paper the following works have been consulted:—Babington's "Lichens of Tasmania," in Hooker's flora of the island, by a most accurate and painstaking lichenologist, many of whose names are now obsolete from changes of classification: "Hooker's Journal of Botany for 1844 and 1847," containing descriptions of all lichens named by J. D. Hooker and T. Taylor, also the "Botany of the Antarctic Voyage of H.M. ships Erebus and Terror." Few of the names given by Hooker and Taylor are now employed, as they are mainly synonyms of lichens previously described by older collectors: the Rev. J. M. Crombie's paper on the lichens of Robert Brown's herbarium, published in the Journal of the Linnæan Society, Vol. xvii., 1879, pp. 390-401; a sound and valuable contribution: "Exotische Flechten aus dem Herbar des K. K. botanischen Hofkabinetes in Wien," and "Ein neuer Beitrag Zur Flechten Flora Australiens," by Dr. A. v. Krempelhuber, whose names, like those of Hooker and Taylor, have almost wholly lapsed: numerous "Lichenologische Beiträge," of Dr. Jean Müller, of Geneva, the most eminent lichenologist of the day; Dr. W. Nylander's "Synopsis Methodica Lichenum"; and Baron F. v. Müeller's lists of Australian lichens, in "Fragmenta Phytographiæ Australiæ," Vol. xi., and the Victorian Naturalist, Vol. iv., pp. 88-95.

The classification is that of Dr. Jean Müller, and the reference following the name of each species is the authority by which the plant is regarded as Tasmanian.

ORDER I.—EPHEBACEÆ (Nyl.) *Cromb.* (Epebacei in Grevillea.
Vol. , p.).

TRIBE I.—EPHEBEÆ (Nyl.) *Cromb.* (Epebeï in Grevellea,
Vol. p.).

Genus 1.—*Ephebe*, *Fries.*

1. *Ephebe tasmanica*, *Cromb.*, Lich., R. Brown's Herb.,
No. 522 (b).
 2. " *pubescens*, *Ach.* " " " "
- No. 522 (a).

ORDER II.—COLLEMACEÆ, *Mull. Arg. Enum. Lich. Genere*
p. 18, an *Lich. Socot.*TRIBE II.—COLLEMEÆ, *Körb., Par. p. 408.*Genus 2.—*Leptogium* (Fr.), *Nyl.*

- 1.
- Leptogium tremelloides*
- ,
- Fries*
- ,
- Fl. Tasm.*
- , p. 353.

Genus 3.—*Synechoblastus* (Trev.), *Körb.*

1. *Synechoblastus lencocarpus*, *Mull. Arg.*, s. *Collema lencocarpum*. *Tayl.*, *Lich.*, R. Brown, No. 549 (b), *Fl. Tasm.*, p. 353.
2. „ *nigrescens* (Trev.), *Auzi.*, s. *Collema nigrescens*, *Huds.*, *Lich.*, R. Brown, No. 549 (a).
3. „ *implicatus*, *Mull. Arg.*, s. *Collema implicatum*, *Nyl. Lich.*, R. Brown, No. 511.
4. „ *fascicularis*, *Mull. Arg.*, s. *Collema aggregatum*, *Nyl.*, and *C. thysanæum*, *Moug.*, *Fl. Tas.*, p. 353.
5. „ *flaccidus* (Ach.), *Körb.*, s. *C. flaccidum*, *Ach.*, *Fl. Tas.*, p. 353.

Genus 4.—*Ramalodium*, *Nyl.*

- 1.
- Ramalodium succulentum*
- (R. Br.),
- Nyl.*
- ,
- Lich.*
- , R. Brown, No. 551.

TRIBE III.—PYRENOPSISIDÆ, *Th. M. Fries.*, *Lich. Arct.*, p. 284.Genus 5.—*Pyrenopsis*, *Nyl.*

- 1.
- Pyrenopsis tasmanica*
- ,
- Nyl.*
- ,
- Fl. Tasman.*
- , p. 353.

ORDER III.—LICHENACEÆ, *Mull. Arg.*, *Lich. Socot.*, s. *Eulichenes* and *Enum.*, *Lich. Genre*, p. 18.TRIBE IV.—SPHÆROPHOREÆ, *Fr.*, *Lich.*, *Europ.*, p. 403.Genus 6.—*Sphærophoron*, *Pers.*

1. *Sphærophoron compressum*, *Ach.*, *Fl. Tasm.*, p. 355.
2. „ *australe*, *Laur.*, *Lich.*, R. Brown, No. 517, *Fl. Tas.*, p. 352.
3. „ *coralloides*, *Pers.*, *Lich.*, R. Brown, No. 5, *Fl. Tas.*, p. 352.
4. „ *tenerum*, *Laur.*, *Fl. Tasman.*, p. 352.

TRIBE V.—BÆONUFCEÆ, *Mull. Arg.*, *Lich.*, *Cathar.*, 7.

Genus 7.—*Bæonufces*, *Pers.*

1. *Bæonufces roseus*, *Pers.*, Fl. Tasman., p. 351.
2. „ *heteromorphus*, *Nyl.*, Fl. Tasman., p. 351.
3. „ *squamarioides*, *Nyl.*, s. *B. splanchnirima*, *Mitt.*,
Knightiella lencocarpa, *Mull. Arg.*, *K. squamarioides*, *Mull. Arg.*, Fl. Tasman., p. 351.

TRIBE VI.—CLADOMEÆ, *Mull. Arg.*, Lich. Genère, p. 22.Genus 8.—*Stereocaulon*, *Schres.*

1. *Stereocaulon ramulosum*, *Ach.*, Lich., R. Brown, No. 526, Fl. Tasm., p. 349, s. *R. proximum*, *Krph.*, Fl. Aus., 29.
„ *ramulosum*, v. *macrocarpum*, *Bab.*, *Nyl.*, Syn. i., 236.
2. „ *proximum*, *Nyl.*, s. *R. ramulosum*, *Kremp.*, *Flecht.* Fl. Aus., 30.
„ *proximum*, v. *microcarpoides*, *Nyl.*, Syn. i., 238.
3. „ *coralloides*, *Fr.*, s. *S. corallinum*, *Fr.*, Fl. Tasm., p. 349.
4. „ *denudatum*, *Pers.*, s. *S. assimile*, *Nyl.*, *S. mixtum*, v. *denudatum*, *Pers.*, Fl. Tasm., p. 349.
5. „ *leptaleum*, *Nyl.*, Syn. i., 250.
6. „ *gracilescens*, *Nyl.*, Fl. Tasm., p. 349.

Genus 9.—*Siphula*, *Fr.*

1. *Siphula torulosa*, *Thunb.*, Lich., R. Brown, No. 501.

Genus 10.—*Clathrina*, *Mull. Arg.*

1. *Clathrina retipora*, *Mull. Arg.*, s. *Cladonia retipora*, *Flk.*, Fl. Tasm., p. 350.
2. „ *aggregata*, *Mull. Arg.*, s. *Cladonia aggregate*, *Eschw.*, Fl. Tasm., p. 350.
3. „ *schizopora*, *Mull. Arg.*, s. *Cladonia schizopora*, *Nyl.*, Syn. i., 217.

Genus 11.—*Cladonia*, *Hffm.*

SECTION A.—ASCYPHÆ.

1. *Cladonia rangiferina*, *Hffm.*, Fl. Tasm., p. 350.
„ „ v. *alpestris*, *L.*, s. *C. sylvatica*, v. *sylvestris*, *L.*, *Kremp.*, *Exot. Flecht.*, 26.
„ *rangiferina*, v. *sylvatica*, *Hffm.*, Fl. Tas., p. 350, Lich. R. Br., 527.

2. *Cladonia squamosa*, *Hffm.*, Fl. Tasman., p. 350, s. C. *sparassa*, *Ach.*, Hook. IV., 651.
 „ *squamosa*, v. *acuminata*, *Ach.*, s. C. *acuminata*, *Ach.*, Lich. R. Br., 531.
 3. „ *furcata*, *Hffm.*, Fl. Tasman., p. 350.
 „ „ v. *adpersa*, *Flk.*, s. C. *adpersa*, *Flk.*, Lich. R. Br., 535.
 „ *furcata*, v. *asperata*, *Mull. Arg.*, Lich. Beit., 381.
 4. „ *amaurocraea*, *Sch.*, s. C. *capitellata*, *Bab.*, Fl. Tasm., p. 350.
 5. „ *ceratophylla*, *Eschw.*, F. v. M., Vict. Nat., IV., 89.

SECTION B.—SCYPHOPHORÆ. Paeshcarpæ.

6. *Cladonia pyxidata*, *Fries.*, Fl. Tasman. p. 350.
 7. „ *cariosa*, *Flk.*, Nyl., Syn., I., 194.
 8. „ *fimbriata*, *Hffm.*, Fl. Tasm., p. 350.
 „ „ v. *adpersa*, *Tuck.*, s. C. *squamosa*.
 f. *cylindrica*, *Kremp.*, Flecht. Flor. Aus., 17.
 „ „ v. *radiata*, *Fr.*, Fl. Tas., p. 350, s. v. *cornuta*.
 „ „ v. *caniocrata*, *Del.*, Fl. Tas., p. 350.
 9. „ *verticillata*, *Flk.*, Fl. Tasm., p. 350.
 10. „ *cervicorrils*, *Sch.*, Kremp. Fl. Aus., 16.
 11. „ *decorticata*, *Fr.*, Fl. Tasm., p. 350.
 12. „ *degeneraus*, *Flk.*, Fl. Tasm., p. 350.

SECTION C.—SCYPHOPHORÆ-ERYTHROCARPÆ.

13. „ *cornucopioides*, *Fr.*, s. C. *deformis*, v. *Tasmanica*, *Krph.*, Flecht., Fl. Aust., 4, Fl. Tasm., p. 351.
 „ *cornucopioides*, v. *extensa*, *Sch.*, s. C. *firma*, *Laur.*, Kremp. Ex. Fl., 36.
 14. „ *deformis*, *Hffm.*, Lich., R. Br., No. 530, Fl. Tasm., p. 351.
 15. „ *digitata*, *Hffm.*, Fl. Tasm., p. 351.
 16. „ *macilenta*, *Hffm.*, Fl. Tasm. p. 351.
 „ „ v. *seductrix*, *Nyl.*, Syn., p. 225.
 17. „ *floerkeana*, *Fr.*, Fl. Tasm., p. 351.

TRIBE VII.—THAMNOLIÆ, *Mull. Arg.*, Lich. Merjosh, 28.Genus 12.—*Thamnolia*, *Ach.*

1. *Thamnolia vermicularis*, *Sch.*, Lich., R. Brown, No. 528.

TRIBE VIII.—HETERODEÆ, *Mull. Arg.*, Heterodei, *Nyl. Fueg. Pat.*, p. 30.

Genus 13.—Heterodea, *Nyl.*

1. *Heterodea muelleri*, *Nyl.*, Syn. I., 306.

TRIBE IX.—USNEÆ *Mull. Arg.*, Bot. Socot., p. 349, and Th. M. Fries. Gen. Heterol., p. 47.

Genus 14.—Usnea, *Hffm.*

1. *Usnea barbata*, *Fr.*, Fl. Tas., p. 344.
 - „ „ v. *scabrida*, *Tayl.*, Fl. Tas., p. 344.
 - „ „ v. *ceratina*, *Sch.*, Cromb. Lich., R. Brown, No. 518 (b)
 - „ „ v. *florida*, *Fr.* „ „ „ „ No. 518 (a)
 - „ „ v. *hirta*, *Ach.*, *Kremp.*, Flecht. Fl. Aus., 31.
 - „ „ v. *tasmanica*, *Mull. Arg.*, Lich. Beit., 391.
2. „ *plicata*, *Hffm.*, *Kremp.*, Flecht. Exot., 62.
3. „ *dasygoides*, *Nyl.*, s. U. *straminea*, *Mull. Arg.* Lich. Beit., 96 and 1477.
4. „ *angulata*, *Ach.*, Fl. Tas., p. 344.

Genus 15.—Neuropogon, *Nees et Flot.*

1. *Neuropogon melaxanthus* (*Ach.*), *Nyl.*, Lich., R. Brown, No. 523, and Fl. Tasm., p. 344.

TRIBE X.—RAMALINEÆ, *Mull. Arg.*, Bot., Socot., p. 350, and Th. M. Fries., Gen. Theterol., p. 50.

Genus 16.—Ramalina (*Ach.*), *Fr.*

1. *Ramalina calicaris*, *Fr.*, Fl. Tasman., p. 344.
2. „ *pusilla*, *Le Preur.*, Fl. Tasman., p. 344.
3. „ *inflata*, *Hook.*, v. *gracilis*, *Mull. Arg.*, s. R. *geniculata*, *Tayl.*, Flecht., Fl. Aus., 41.
4. „ *Ecklonii* v. *ovalis*, *Mull. Arg.*, s. R. *calicaris* *B. ovalis.*, *Bab.*, Fl. Tas., p. 344.

Genus 17.—Evernia (*Ach.*), *Nyl.*

1. *Evernia furfuracea*, *Mann.*, Fl. Tasman., p. 344.

TRIBE XI.—PELTIGEREÆ, *Mull. Arg.*, Lich. Genère, p. 29

Genus 18.—Peltigera (*Ach.*), *Hffm.*

1. *Peltigera polydactyla*, *Hffm.*, Fl. Tasm., p. 344.
 - „ „ v. *dolichorhiza*, *Nyl.*, *Kremp* Flecht. Fl. Aus. 50.
2. „ *horizontalis*, *Hffm.*, Fl. Tasm., p. 344.

3. *Peltigera rufescens*, *Hffm.*, v. *spuria* D. c. s. *P. canina*, v. *pusilla*, *Körb.*, and *P. spuria*, D.C. Fl. Tas., p. 345, and *Nyl.* I., 325.
 „ *rufescens*, f. *membranacea*, *Ach.*, *Lich.*, R. Brown, No. 510.

Genus 19.—*Nephroma*, *Nyl.*

1. *Nephroma Australie*, *A. Rich.*, Fl. Tasm., p. 345.

Genus 20.—*Nephromium*, *Nyl.*

1. *Nephromium cellulosum*, *Nyl.*, *Lich.*, R. Brown, No. 543. Fl. Tas., p. 345.

TRIBE XII.—GYROPHOREÆ, *Mull. Arg.*, *Lich. Genère*, p. 29.

Genus 21.—*Gyrophora*, *Ach.*

1. *Gyrophora cylindrica*, D.C. *Lich.*, R. Brown, No. 558.
 2. „ *proboscidea*, *Ach.* „ „ „ „ 559.

TRIBE XIII.—PARMELIÆ, *Mull. Arg.*, *Lich. Genere*, p. 31 and *Lich. Parag.*, p. 3.

Genus 22.—*Stictina*, *Nyl.*

SECTION A.—CYPHELLATÆ.

1. *Stictina filicina* (*Ach.*), *Nyl.*, Fl. Tas., p. 345.
 „ „ v. *latifrons*, *Rich.*, s. *S. latifrons*, *Rich.*, Fl. Tas., p. 345.
 2. „ *guercizans*, *Nyl.*, Syn. I., 344.
 3. „ *fuliginosa*, *Nyl.*, Fl. Tasm., p. 346.

SECTION B.—PSEUDOCYPHELLATÆ-ALBÆ,

4. „ *fragillima*, *Nyl.*, v. *dissecta*, *Mull. Arg.*, s. *S. fragillissima*, *Krph.*, F. v. M., Vic. Nat., IV., 90 ; *Mull. Arg.*, L.B. XXV., Sup.
 „ *fragillima*, v. *dissimilis*, *Nyl.*, s. *S. dissimilis*, *Nyl.*, and *S. Cinnamomea*, *Rich.*, *Mull. Arg.*, *Lich. Beit.*, 561.
 5. „ *faveolata*, *Nyl.*, i., 337, Fl. Tasm., p. 346.

SECTION C.—PSEUDOCYPHELLATÆ FLAVÆ.

6. *Stictina crocata*, *Nyl.*, s. *Sticta crocata*, *L.*, Fl. Tasm., p. 345, *Lich.*, R. Br., 540.
 „ *crocata*, v. *gilva*, *Nyl.*, Syn., I., 339.

7. *Stictina carpoloma* (Del.), *Nyl.*, Lich., R. Brown, No. 540
(b).
,, *carpoloma*, v. *granulata*, *Nyl.*, s. S. *Granulata*,
Bab., Fl. Tas., p. 346.

Genus 23.—*Sticta*, *Ach.*SECTION A.—*ECYPHELLATÆ*.

1. *Sticta scrobiculata*, *Scop.*, Lich., R. Brown, No. 541.

SECTION B.—*CYPHELLATÆ*.

2. *Sticta damæcoruis*, *Ach.*, v. *subcaperata*, *Nyl.*, s. S. *subcaperata*, *Nyl.*, Lich., R. Brown, No. 555.

SECTION C.—*PSEUDOCYPHELLATÆ-ALBÆ*.

3. *Sticta dissimulata*, *Nyl.*, v. *multifida*, *Laur.*, s. S. *multifida*, *Laur.*, Lich., R. B., 516.
4. ,, *fossulata*, *Duf.*, *Nyl.*, Syn., I., 363, and Lich., R. Br., No. 536.
5. ,, *billardieri*, *Del.*, s. S. *fossulata*, *Krph.*, Flecht. Fl. Aus., 74, and S. Richardi, *Mut.*, *fide* Mull. Arg., Lich., Beit., 566, 1304-5, Fl. Tasm., p. 346.
6. ,, *polificans*, *Nyl.*, F. v. M., Vic. Nat., IV., 90.
7. ,, *subrariabilis*, *Nyl.*, F. v. M., Vic. Nat., IV., 90.
8. ,, *freycinetii*, *Del.*, Lich., R. Brown, No. 538, Fl. Tasman., p. 346.
,, *freycinetii*, v. *Pro'ifera*, *Mull. Arg.*, Lich., Beit. 565, 1301.
9. ,, *cetrarioides*, *Bab.*, Fl. Tasm., p. 346.

SECTION D.—*PSEUDOCYPHELLATÆ-FLAVÆ*.

10. *Sticta endochrysea*, *Del.*, v. *Urvillei*, *Mull. Arg.*, s. S. *Urvillei*, *Nyl.*, F. v. M., Vic. Nat., IV., 90.
,, *endochrysea*, v. *Colensoi*, *Bab.*, s. S. *Colensoi*, *Bab.*, Fl. Tasm., p. 345, *Kremp.*, Flecht. Fl. Aus., 68.
11. ,, *orygmæa*, *Ach.*, Fl. Tasman., p. 345.
12. ,, *aurata*, *Ach.*, ,, ,, ,,
13. ,, *fragilis*, *Mull. Arg.*, s. *Endocarpon fragile*, *Tayl.*, Fl. Tasman., p. 353.

Genus 24.—*Ricasolia*, *De Not.*

1. *Ricasolia laete-vireus*, *Lghtf.*, s. R. *herbacea*, *Nyl.*, Fl. Tas., p. 346.
,, *laete-vireus*, v. *Sieberianus*, *Mull. Arg.*, Lich., Beit., 581.

2. *Ricasolia patinifera*, *Mull. Arg.*, s. *R. sublæris*, *Nyl.*, and *R. crenulata*, *Kremp.*, *Flecht. Flor. Aus.*, 76.

Genus 25.—*Parmelia* (Ach), *Nyl.*

SECTION A.—HYPORHIZIÆ-GLAUCESCENTES.

1. *Parmelia perlata*, *Ach.*, *Fl. Tasm.*, p. 346.
 2. „ *perforata*, *Ach.*, s. *P. reticulata*, *Tayl.*, *Hook. Jour. Bot.*, IV., 644.
 „ *perforata*, v. *ulophylla*, *Meyes Flos.*, s. *P. concors.*, *Krph.*, *Flecht. Fl. Aus.*, 79.
 3. „ *laceratula*, *Nyl.*, s. *P. subflara*, *Tayl.*, *Hook. Jour. Bot.*, 1847, p. 174.
 4. „ *tenuirema*, *Tayl.*, *Lich.*, *R. Brown*, No. 537, *Hook. Jour. Bot.*, 1844, p. 645.
 5. „ *tiliacea*, *Ach.*, *Fl. Tasman.*, p. 347.
 6. „ *saxatilis*, *Ach.*, *Fl. Tasman.*, p. 347.
 „ „ v. *laevis*, *Nyl.*, *Kremp.*, *Exot. Flecht.*, 127.

SECTION B.—HYPORHIZIÆ-FLAVESCENTES.

7. *Parmelia adpressa*, *Krph.*, s. *P. amplexula*, *Stirbon*, *F. v. M.*, *Vic. Nat.*, IV., 90.
 8. „ *conspersa*, *Ach.*, *Fl. Tasman.*, p. 347.
 „ „ v. *laxa*, *Mull. Arg.*, s. *P. tasmanica* and *P. incisa*, *Tayl.*, *Hook. Jour. Bot.*, 1844, p. 644.
 9. „ *caperata*, *Ach.*, *Fl. Tasman.*, p. 347.
 10. „ *subcaperatula*, *Nyl.*, *Lich.*, *R. Br.*, No. 539.
 11. „ *rutidola*, *Hook. f. et Tayl.*, *Hook. Jour. Bot.*, 1844, p. 645.

SECTION C.—OLIVACEÆ.

12. „ *prolixa*, *Nyl.*, *Syn.*, I., 396.
 13. „ *olivacea*, *Ach.*, *Fl. Tasman.*, p. 347.
 14. „ *lanata*, *Nyl.*, *Lich.*, *R. Brown*, No. 521.

SECTION D.—HYPOGYMNIÆ.

15. *Parmelia australiensis*, *Cromb.*, s. *P. convoluta*, *Krph.*, *Lich.*, *R. Br.*, 525 (a.)
 16. „ *pertusa*, *Schrank*, s. *P. diatrypa*, *Ach.*, *Lich.*, *R. Brown*, 514 (b.), and *Fl. Tasm.*, p. 347.

17. *Parmelia physodes*, *Ach.*, Fl. Tasman, p. 347.
 „ *physodes*, v. *lugubris* (Pers), *Nyl.*, Lich., R. Brown, No. 526.
 „ *physodes*, v. *sublugubris*, *Mull. Arg.*, Lich. Beit., 577.
 „ *physodes*, v. *placorhodioides*, *Nyl.*, Fl. Tas., p. 347, Lich., R. Br., No. 514 (a), s. *P. conflerta*, *Tayl.*, Hook. Jour. Bot., 1847, p. 164.
 „ *physodes*, v. *mundata*, *Nyl.*, Lich., R. Brown, No. 515 (a).
 „ *physodes*, v. „ f. *pulverata*, *Nyl.*, Lich., R. Brown, No. 550, s. *P. sulphysodes*, *Krph.*, Flecht. Fl. Aus., 80.
 „ *physodes*, v. *enteromorpha*, *Tuck.*, s. *P. enteromorpha*, *Ach.*, Hook. Jour. Bot., IV., 643.

Genus 26.—*Auzia*, *Mull. Arg.*

1. *Auzia angustata*, *Mull. Arg.*, s. *Parmelia moniliformis*, *Bab.*, Fl. Tas., p. 347, v. Lich., R. Brown, No. 515 (b), s. *P. inequalis*, *Tayl.*, Hook. Jour. Bot., 1847, p. 169.

Genus 27.—*Theloschistes*, *Norm.*

1. *Theloschistes chrysophthalmus*, *Th. Fr.*, s. *Physcia chrysophthalma*, *L.*, Lich., R. Brown, No. 545, Fl. Tasm., p. 348.
 „ *chrysophthalmus*, v. *Sieberianus*, *Mull. Arg.*, s. *P. spinosa*, *Hook. et Tayl.*, Hook. Jour. Bot. 1844, p. 644.
 2. „ *flavicans*, *Norm.*, s. *P. flavicans*, *Sw.*, F. v. M., Vic. Nat., IV., 91.
 3. „ *parietinus*, *Norm.*, s. *P. parietina*, *L.*, Fl. Tas., p. 348.
 4. „ *subescilis*, *Nyl.*, s. *P. subescilis*, *Nyl.*, Lich., R. Br., No. 545 (b).

Genus 28.—*Anaptychia*, *Körb.*, Syst., p. 50.

1. *Anaptychia comosa*, *Trer.*, s. *Physcia comosa*, *Nyl.*, F. v. M., Vic. Nat., IV., 91.

Genus 29.—*Physcia*, *Nyl.*

1. *Physcia picta*, *Nyl.*, F. v. M., Vic. Nat., IV., 91.

Genus 30.—*Pannaria*, Del.

1. *Pannaria rubiginoso*, *Del.*, Lich., R. Brown, No. 555.
2. " *rubiginascens*, *Nyl.*, Lich., R. Brown, No 512.
3. " *fulvescens*, *Nyl.*, F. v. M., Vic. Nat., IV., 91.
4. " *imbricata*, *Nyl.*, Fl. Tas., p. 348.

TRIBE XV.—*PARMELIELLEÆ*, *Mull. Arg.*, Lich., *Spegaz.*, p. 39.Genus 31.—*Parmeliella*, *Mull Arg.*

1. *Parmeliella triptophylla*, *Mull. Arg.*, s. *Pannaria triptophylla*, *Ach.*, Fl. Tas., p. 348.
2. " *nigro-cincta*, *Mull. Arg.*, s. *P. nigro-cincta*, *Mut.*, Fl. Tas., p. 348, Lich., R. Brown, No. 508.

TRIBE XVI.—*PSOROMEÆ*, *Mull. Arg.*, Lich., *Spegaz.*, p. 39.Genus 32.—*P. Soroma* (Fr.), *Nyl.*

1. *Psoroma sphinctrinum*, *Nyl.*, Lich., R. Brown, No. 533 (a), Fl. Tasm., p. 348.
- " *sphinctrinum*, v. *leprolema*, *Nyl.*, Lich., R. Brown, No. 533 (b).
2. " *pholidotum*, *Mull. Arg.*, s. *Pannaria pholidota*, *Nyl.*, *P. soroma soccatum*, *R. Br.*, Lich., R. Brown, No. 502.
3. " *asperellum*, *Nyl.*, Lich., R. Brown, No. 547.
4. " *hypnorum* (Hffm.), *Nyl.*, Lich., R. Brown, No. 554.

Genus 33.—*Chondropsis*, *Nyl.*

1. *Chondropsis semiviridis*, *Nyl.*, Lich., R. Brown, No. 525 (b).

TRIBE XVII.—*PLACODIÆ*, *Mull. Arg.*, Lich. *Genère*, p. 37.Genus 34.—*Placodium*, *Mull. Arg.*

1. *Placodium rugulosum*, *Nyl.*, Fl. Tasman., p. 348.
2. " *fulgeus*, *D.C.* " " " 349.
3. " *gelidum*, *Körb.*, s. *Squamaria gelida*, *Linn.*, Fl. Tasm., p. 349.

Genus 35.—*Amphiloma*, *Fr.*

1. *Amphiloma murorum*, *Körb.*, F. v. M., Vic. Nat., IV., 92.

TRIBE XVIII.—*PSOREÆ*, *Mull. Arg.* (*P. sorei*, Th. M. Fries., *Gen. Steterolich*, p. 79), Lich., *Parag.*, p. 8.

Genus 36.—*Psora*, *Mull. Arg.*

1. *Psora parvifolia*, *Mull. Arg.*, s. *Lecisea parvifolia*, *Nyl.*, *F. v. M.*, *Vic. Nat.*, IV., 94, *Lich.*, *R. Br.*, No. 552.
2. „ *discipieus*, *Hffm.*, s. *Lec. decipieus*, *Ehrb.*, *Lich.*, *R. Brown*, No. 567.
3. „ *crystallifera*, *Mull. Arg.*, s. *L. crystallifera*, *Tayl.*, *Lich.*, *R. Br.*, No. 564.

TRIBE XIX.—*LECANOREÆ*, *Mull. Arg.*, *Bot. Socot.*, p. 359.Genus 37.—*Lecanora*, *Ach.*

1. *Lecanora* (*Eulcanora*) *subfusca*, *L.*, *Fl. Tasman.*, p. 349.
2. „ „ *sordida*, *Fr.*, *Fl. Tasman.*, p. 349.
3. „ „ *glaucoma*, *Hffm.*, *Fl. Tasm.*, p. 349.
4. „ (*Ochrolechia*) *pallescens*, *Ach.*, *Fl. Tasman.*, p. 349.

Genus 38.—*Callopesnia*, *De Not.*

1. *Callopesnia cinnabarina*, *Mull. Arg.*, *Fl. Tasman.*, p. 352.

Genus 39.—*Pertusaria*, *D.C.*

1. *Pertusia leioplaca*, *Sch.*, *F. v. M.*, *Vic. Nat.*, IV., 93.
- „ „ *v. octospora*, *Nyl.*, *Mull. Arg.*, *Lich.*, *Beit.*, 743.
2. „ *gibberosa*, *Mull. Arg.*, *Lich.*, *Beit.*, 503.

Genus 40.—*Urceolaria*, *Ach.*

1. *Urceolaria subocellata*, *Nyl.*, *Lich.*, *R. Brown*, No. 563.
2. „ *scruposa*, *Ach.*, s. *Lecanora scruposa*, *Fl. Tas.*, p. 349.

TRIBE XX.—*GYALECTEÆ*, *Mull. Arg.*, *Lich.*, *Parag.* p. 12.Genus 41.—*Gyalecta* (*Ach.*), *Mull. Arg.*

1. *Gyalecta cupularis*, *Smmrf.*, *Fl. Tasman.*, p. 349.

TRIBE XXI.—*LECIDEÆ*, *Mull. Arg.*, *Lich.*, *Genère*, p. 50.Genus 42.—*Lecidea* (*Ach.*), *Mull. Arg.*

1. *Lecidea immarginata*, *R. Br.*, *Lich.*, *R. Br.*, No. 591.
2. *Lecidea flindersii*, *Cromb.*, *Lich.*, *R. Brown*, No. 565.
3. „ *leptocharpa*, *Nyl.*, *Fl. Tas.*, p. 352.
4. „ *stuartii* (*Hampe*), *Nyl.*, *Fl. Tasm.*, p. 352.

Genus 43.—*Patellaria* (Hffm.), *Mull. Arg.*

1. *Patellaria grossa* (Pers.), *Mull. Arg.*, s. *Lec. grossa*, *Pers.*, *F. v. M.*, *Vic.*, *Nat.*, *IV.*, 92.
2. „ *marginiflexa*, *Mull. Arg.*, s. *Biatora marginiflexa*, *Fl. Tas.*, p. 352.
3. „ *versicolor*, *Mull. Arg.*, s. *Lec. versicolor*, *Fee.*, *L. diachroma*, *Fee.*, *L. obturgesceus*, *Krph.*, *L. glaucesceus*, *Krph.*, *Lich.*, *R. Br.*, No. 548.

Genus 44.—*Blastenia*, *Mull. Arg.*

1. *Blastenia ferruginea* (Huds.), *Mull. Arg.*, s. *Lec. ferruginea*, *Huds.*, *Lich.*, *R. Brown*, No. 503.
- „ *ferruginea f. crenularia*, *With.*, *Lich.*, *R. Brown*, No. 503.

Genus 45.—*Buellia* (De Not.), *Mull. Arg.*

1. *Buellia atro-alba* (Ach.), *Luck.*, s. *Lec. atro-alba*, *Ach.*, *Fl. Tas.*, p. 352.
2. „ *parmeliarum*, *Smmrf.*, s. *Abrothallus smithii*, *Lul.*, *Fl. Tas.*, p. 354.

Genus 46.—*Rhizocarpon* (Körb.), *Mull. Arg.*

1. *Rhizocarpon petræum*, *Körb.*, s. *Lec. petræa*, *Wolf.*, *Fl. Tas.*, p. 352.
2. „ *petræoides* (Nyl.), *Mull. Arg.*, s. *Lec. petræoides*, *Bab.*, *Fl. Tas.*, p. 352.

Genus 47.—*Heterothecium* (Fl.), *Mull. Arg.*

1. *Heterothecium biferum*, *Mull. Arg.*, s. *Lec. bifera*, *Nyl.*, *F. v. M.*, *Vic.*, *Nat.*, *IV.*, 94.

TRIBE XXII.—BIATORINOPSISÆ, *Mull. Arg.*, *Lich.*, *Parag.*, p. 18.Genus 48.—*Biatorinopsis*, *Mull. Arg.*

1. *Biatorinopsis lutea*, *Mull. Arg.*, s. *Lec. lutea*, *Dcks.*, *Lich.*, *R. Br.*, 529, *Fl. Tasman.*, p. 352.

TRIBE XXIII.—COLNOGONIEÆ, *Mull. Arg.*, *Lich.*, *Parag.*, p. 18.Genus 49.—*Cœnogonium*, *Ehrenb.*

1. *Colnogonium Linkii*, *Ehrenb.*, *Fl. Tas.*, p. 353.
2. „ *implescum*, *Nyl.*, *Lich.*, *R. Brown*, No. 504.

TRIBE XXIV.—THELOTREMEÆ, *Mull. Arg.*, *Graph.*, *Fee*, pp. 3, 15.

Genus 50.—*Thelotrema*, *Mull. Arg.*

1. *Thelotrema lepadinum*, *Ach.*, *Lich.*, R. Brown, No. 520, *Fl. Tas.*, p. 340.

TRIBE XXV.—GRAPHIDÆ, *Mull. Arg.*, *Graph.*, *Fee*, pp. 4, 13.SUB-TRIBE 1.—ENGRAPHIDÆ, *Mull. Arg.*, *Graph.*, *Fee*, pp. 4, 13.Genus 51.—*Melaspilea*, *Nyl.*

1. *Melaspilea circumserpens*, *Nyl.*, *Lich.*, R. Brown, No. 566.

Genus 52.—*Graphis*, *Ach.*

1. *Graphis intricata*, *Fee*, *Lich.*, R. Brown, No. 561.

SUB-TRIBE 2.—GLYPHIDÆ, *Mull. Arg.*, *Graph.*, *Fee*, pp. 4, 61.Genus 53.—*Chiodecton*, *Ach.*

1. *Chiodecton perplexum*, *Nyl.*, *F. v. M.*, *Vic. Nat.*, IV., 95.

TRIBE XXVI.—PYRENULÆ, *Mull. Arg.*, *Pyr.*, *Cub.*, p. 375.SUB-TRIBE 1.—VERRUCAEÆ, *Mull. Arg.*, *Pyr.*, *Cub.*, pp. 376, 398.Genus 54.—*Clathroporina*, *Mull. Arg.*

1. *Clathroporina eminentior* (*Nyl.*). *Mull. Arg.*, *F. v. M.*, *Vic. Nat.*, IV., 93.

Species, 158.

Varieties, 39.

Note.—The following may be regarded as doubtful:—

1. *Cladonia gracilis*, *Hffm.*, s. *Cluomyce gracilis*, *Ach.*, *Hook. Jour. Bot.*, IV., 651.
 ,, *gracilis*, v. *ecmocyna*, *Ach.*, f. *subulata*, *Ach.*, *Hook. Jour. Bot.*, IV., 651.
2. *Ramalina fastigiata*, *Ach.*, *Hook. Jour. Bot.*, IV., 654.
3. *Coccocarpia plumbea* (*Lghtf.*), *Nyl.*, s. *Parmelia plumbea* *Ach.*, *Hook. Jour. Bot.*, IV., 653.