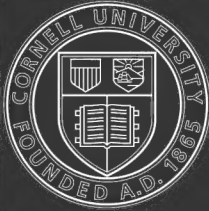


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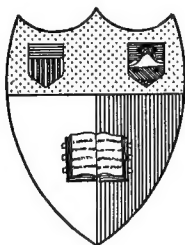
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Catalogue of North American Musci.



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TAUNTON:

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CATALOGUE
OF
North American Musci.

ARRANGED BY

EUGENE A. RAU, AND A. B. HERVEY, A. M.

TAUNTON:
PRINTED AT GAZETTE JOB OFFICE,
1880.

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PREFACE.

In introducing this Catalogue of American Mosses, the compilers believe that they are supplying a want which has long been felt by American Botanists. It is designed to be a convenient check and exchange list, and a basis for arrangement of genera, &c., in herbaria.

The classification is mainly that adopted by Prof. Schimper in his Synopsis of European Mosses.

All the authentic species and varieties reported, from Mexico to the Arctic regions, have been included and their habitats given with as wide a range as the examination of references and several good herbaria would permit.

Some plants hitherto classified as species are given in this list as varieties. Doubtful species so far as known, when admitted have been marked with a star.

We have to acknowledge our indebtedness to Prof. C. H. Peck, the distinguished State Botanist of New York, for many valuable suggestions. The late Mr. C. F. Austin, whose recent death deprives American Bryologists of one of their most zealous, acute and accomplished co-laborers, kindly gave us much assistance in the work. To Mr. Chas. Mohr of Mobile, Alabama, we are indebted for lists of the Mosses from the Gulf States, Mexico and the Pacific Coast, represented in his herbarium.

The Index Generum will be found on page 50, Erata on page 52.

EUGENE A. RAU, Bethlehem, Pa.

A. B. HERVEY, Taunton, Mass.

MUSCI.

Series I. ACROCARPÆ.

Order I. CLEISTOCARPÆ.

Tribe I. PHYSCOMITRIOIDÆ.

Family I. EPHEMERÆ.

1. EPHEMERUM, *Hpe.*

- | | |
|------------------------------------|-------------------------------------|
| 1. serratum <i>Hpe.</i> , | N. E., Mid. Sts., O., Br. Am., Cal. |
| 2. crassinervium <i>Hpe.</i> , | No. U. S. |
| 3. *hystrix <i>Lindbg.</i> , | N. J. to Fla. |
| 4. *papillosum <i>Aust.</i> , | N. J. to S. C. |
| 5. cohærens <i>Hpe.</i> , | O., Pa. |
| 6. *pallidum <i>Sch.</i> , | Ohio. |
| 7. spinulosum <i>B. & S.</i> , | Common. |

Family II. PHYSCOMITRELLEÆ.

2. NANOMITRIUM *Lindbg.*, (*Micromitrium* and *Synpoma* *Aust.*)

- | | |
|---|--------------|
| 8. tenerum (<i>Bruch.</i>) <i>Lindbg.</i> (<i>megalosporum</i> <i>Aust.</i>), | N. J., Pa. |
| 9. Austini (<i>Sull. Aust.</i>) <i>Lindbg.</i> , | N. Y., N. J. |
| 10. synoicum (<i>Jas. Aust.</i>) <i>Lindbg.</i> , | N. J., Pa. |

3. PHYSCOMITRELLA *Sch.*

- | | |
|-----------------------------|------|
| 11. patens <i>Br. Eu.</i> , | Ohio |
|-----------------------------|------|

Tribe II. POTTIOIDEA.

Family I. PHASCACEÆ.

4. SPHÆRANGIUM *Sch.*

- | | |
|----------------------------------|-------------------------------|
| 12. rufescens <i>Jaeger.</i> , | N. J. to S. C., O. |
| 13. muticum <i>C. M.</i> , | N. Y., N. J., Pa., Ill., Cal. |
| 14. Schimperianum <i>Sull.</i> , | Tex., Ill. |

5. PHASCUM *L.*

- | | |
|---------------------------------|----------------------------------|
| 15. cuspidatum <i>Schreb.</i> , | N. J. to S. C., Ill., Cal. |
| " var. piliferum, | N. J. to S. C., Ill., Cal., Col. |

16. bryoides *Dicks.*, var. *piliferum*, Cal. Col.
 17. Carniolicum *W. & M.*, Col.

Tribe III. BRUCHIACEÆ.

Family I. PLEURIDIÆ.

6. PLEURIDIUM *Brid.*

18. subulatum (*Schreb.*), *Lindbj.* (*P. alternifolium Brid.*), U. S.
 19. Ravenelii *Aust.* (*P. subulatum Sull. Mosses.*) N. J. to R. I., S. C.
 20. stramineum *Lx.*, Pacific Coast.
 21. Sullivanti *Aust.* (*P. nervosum Sull. Icon. non Hook.*), Pa. to S. C.

Family II. BRUCHIÆ.

7. SPORLEDERA *Hpe.*

22. palustris *Sch.* N. J., Mass., La.

8. BRUCHIA *Schw.*

A. Calyptra smooth.

23. Bolanderi *Lx.*, Cal.
 24. *Marylandica *Aust.*, Md.
 25. flexuosa *Schw.* (*Sull. Mosses.*), O. (?), Ill., So. Sts.
 26. Sullivanti *Aust.* (*B. flexuosa Sull. Icon. T. 13*, also *B. Beyrichiana Hpe., Sull., Icon., suppl. T. 15.*), N. E. to Fla., Ill.
 var. *brevicollis (B. brevicollis L. & J.)*, S. C.
 27. Donnellii *Aust.*, S. C., Fla., Ala.
 28. *nigrescens *Lx.*, Ala.
 29. Texana *Aust.*, Va. to Tex.
 30. Hallii *Aust.*, Va. to Tex.
 31. brevipes *Hook.*, S. C., Ala., La.
 32. brevifolia *Sull.*, Va., S. C., Ala., La., Tx.
 33. *microcarpa *Wils.*, La.
B. Calyptra papillose.
 34. Carolinæ *Aust.*, S. C.
 35. Ravenelii *Wils.*, S. C. to Ala.
 36. *Schwægricheni *Hpe.*, La.

Order II. STEGOCARPÆ.

Tribe I. WEISIACEÆ.

Family I. WEISIEÆ.

9. SYSTEGIUM *B. Ev.*

37. crispum *Hedw.*, Ind., Ill., Tex.
 38. Sullivantii *Sch.*, N. Y., Pa., O., Ill.
 39. nitidulum *Sch.*, N. J. to Ill. and Va.

40. Ludovicianum Sull., Fla., Ala., La.
 41. erythrostegeium B. & S. (*S. Ludovicianum* Sull.) La.
10. HYMENOSTOMUM R. Br.
 42. microstomum R. Br., N. J., O., Tex.
11. GYROWEISIA Sch.
 43. tenuis Schrad., No. America.
12. GYMNOSTOMUM Br. Eu.
 44. calcareum N. & H., N. Y., O.(?), Br. Am.
 " var. perpusillum Sull., Cal.
 45. rupestre Schwg., No. U. S., Br. Am., Col.
 46. curvirostrum Hedw., No. U. S., Pacif., Br. Am.
 47. tophaceum Aust., Tex.
 48. *Clintoni Aust., N. Y.
 49. Orizabanum Sch., Mex.
 50. incurvans Sch., Mex.
13. ANOETANGIUM Schwg.
 51. Peckii Sull., Catskill Mts.
 52. Liebmanii Sch., Mex.
 53. apiculatum Sch., Mex.
 54. Breutilianum B. & S., Mex. and No. W. Coast.
 55. Hornschuchianum Funk, No. W. Coast.
 56. glaucescens Sch., Mex.
 57. condensatum Sch., Mex.
14. WEISIA Hedw.,
 58. viridula Brid., U. S., Br. Am.
 " var. Rauei Aust., Pa., Col.
 " " Brandegei Aust., Col.
 " " Wolfii L. & J., Ill.
 " " australis Aust. (*W. longisetata* L. & J.), Fla. to Tex.
 59. mucronata Bruch., Ill.
 60. barbulatea C. M., Mex.
15. DICRANOWEISIA Lindbg. (*Weisia* Hedw.),
 61. crispula Hedw., Pac. Coast, Br. Am., G'land.
 62. cirrhata Hedw., " " "
16. OREOWEISIA Sch. (*Weisia* Hedw.),
 63. serrulata Funk, Mid. Sts., Col.
17. RHABDOWEISIA Sch.
 64. fugax B. & S., N. Y., N. J., Wht. Mts., Br. Am.
 65. denticulata B. & S., N. E. and Mid. Sts., N. C.
 66. vulcanica C. M., Mex.

Family II. DICRANEÆ.

18. *CYNODONTIUM* Sch.
 67. schisti (Oed.) Rky. Mts., G'land.
 68. gracilescens W. & M., Rky., Wht. and Adirod'k Mts.
 " var. tenellum, Wht. Mts.
 69. polycarpum Erh., N. Y., N. W. Br. Am., Gt. Lakes.
 70. virens Hedw., N. Y., Pa., Col., Br. Columb., G'land.
 " var. Wahlenbergii, Br. Am.
 " " serratum, Col., Pac. Coast.
19. *DICHODONTIUM* Sch., (*Dicranum*.)
 71. pellucidum (L.) N. Y., N. J., Br. Am., Col.
 " var. fagimontanum, Vt., Col.
 " " serratum, Col., Vanc'r I.
20. *TREMATODON* Michx.
 72. longicollis Rich., N. J. to Fla., O., Ill., Ala., La., Mex.
 73. uncinatus C. M., Mex.
 74. ambiguus Hedw., Md. to Canada. O.
 75. nitidulus Sch., Mex.
21. *MICRODUS* Sch.,
 76. Liebmanni Sch., Mex.
 77. ovatus Besch., Mex.
 78. Sartorii Sch., Mex.
 79. longirostris Sch., Mex.
22. *ANGSTROMIA* B. & S.
 80. vulcanica C. M., Mex.
 81. longipes Sommf., No. Am.
23. *DICRANELLA* Sch.
 A. *Squarrosa*.
 * 82. crispa Hedw., Br. Am., Pac. Coast.
 83. Schreberi (Hedw.), Mid. Sts., Br. Am.
 " var. occidentalis Aust., Or., Vanc'r I.
 84. cerviculata (Hedw.), N. J., Wht. Mts., N. Bruns'k.
 85. *Canadensis, Mitt., Br. Am.
 86. Mulleri Sch., Mex.
 87. compacta Sch., Mex.
 B. *Secunda*, Ohio.
 88. varia (Hedw.), U. S., Br. Am.
 89. rufescens Turn., Mid. Sts., Nor'd and West'd.
 90. subulata (Hedw.), Wht. Mts., Pac. Coast, Br. Am.
 91. heteromalla Hedw., No. and East. U. S., Pac. Coast.
 " var. orthocarpa C. M., Mid. Sts.
 " " orthophylla Aust., Ohio.
 92. exigua Schuy. (*D. debile* W.), Gulf Sts., S. C.

93. Liebmanniana *C. M.*, Mex.
 94. brachyblepharis *C. M.*, Mex.
 95. pilopogon *C. M.*, Mex.
 96. trematodontifolia *C. M.*, Mex.
 97. microdonta *Sch.*, Mex.
 98. Sartorii *C. M.*, Mex.

24. DICRANUM *Hedw.*

- A. Fulvella.*
 99. fulvellum *Dicks. (Arctoa)*, N. Y., Wh. Mts., G'land.
B. Falcata.
 100. Starkii *W. & M. (D. Blyttii W. & M.)*, Wh. and Adirond'k }
 Mts., Br. Am., G'land. }
 101. cæspitans *Sch.*, Mex.
C. Orthocarpus.
 102. montanum *Hedw.*, Mid. Sts. and West'd, Br. Am.
 103. viride *S. & L. (strictum S. & L.)*, N. & E. U. S., Br. Am., P. C'st.
 104. flagellare *Hedw.*, Mid. Sts., Br. Am., Mex.
 105. albicans *B. & S. (D. enerve Hedw.)*, Pacific Coast.
 106. fulvum *Hook. (D. interruptum Br. Eu.)*, No. & E. U. S., Br. Am.
 107. longifolium *Hedw.*, Mid. Sts., Br. Am.
D. Scoparia.
 108. elongatum *Sch. (D. Macouni Aust.)*, N. E. to Rky. Mts. and }
 G'land. }
 109. fuscescens *Turn. (D. congestum Brid.)*, Mts. of Pa., N. E., }
 N. Y. to Rky. Mts., Br. Am., G'land. }
 110. Muhlenbeckii *B. & S.*, N. J., Br. Am., Col., G'land.
 111. fragilifolium *Lind.*, Br. Am.
 112. scoparium *L.*, U. S., Br. Am.
 var. orthophyllum, Appalachian, G'land.
 " curvulum, "
 " paludosum, "
 " recurvatum, "
 " rupestre, "
 " orthocarpum, "
 113. majus *Turn.*, Pacific Coast.
 114. arcticum *Sch.*, G'land, Labrador.
 115. scoparioides *Sch.*, Mex.
 116. Mexicanum *Sch.*, Mex.
E. Undulata.
 117. palustre *L. Pl.*, East., Mid. & No. Sts., Br. Am., Pacific.
 var. (*D. Brewerianum Lx.*), Pacific.
 118. Schraderi *Schw.*, Mid. Sts. to Cal., Br. Am.
 119. spurium *Hedw.*, Mid. Sts., Cal., Br. Am.
 var. (*D. condensatum Hedw.*), Mid. Sts. to Fla., Gulf Sts., }
 Br. Am. }
 120. undulatum *Voit.*, E. and Mid. Sts., No'd and West'd.

121. *elatum* Lindbg. (*D. Drummondii* C. M., *D. robustum* Blytt.), {
N. E. and Mid Sts., Br. Am. }
122. *rhabdocarpum* Sull., Rky. Mts., U. S., Mex.
123. *Andrieuxii* Besch., Mex.
124. *lophoneuron* C. M., Mex.
125. *Richardsoni* Hook., G'land.
126. *cryptocarpum* C. M., Mex.
25. **ATRACHYLOCARPUS** Mitt.
127. *Mexicanus* Mitt., Mex.
26. **DICRANODONTIUM** B. & S.
128. *longirostre* B. & S., Pa. O.
129. *nitidum* Jas. (*D. longifolium* Hedw. fide Aust.), Wht. Mts.
27. **CAMPYLOPUS** Brid.
Folia epilifera.
130. *flexuosus* Brid. (*C. Tallulensis* S. & L.), Ga., N. C.
131. *Leanus* Sull., Mid. Sts. and Westward.
132. *pusillus* Sch., Mex.
133. *Vitzliputzli* Ltz., Mex.
134. *leucogaster* C. M., Mex.
135. *subleucogaster* C. M., Ala.
136. *bicolor* Sch., Mex.
137. *flagellaceus* C. M., "
138. *Chrismari* C. M., "
139. *Hallerianus* Hpe., "
140. *Rauei* Aust., Colorado.
141. *Hallii* Lx., "
142. *frigidus* Lx., "
143. *Donnellii* Aust., Ala., Fla.
144. *gracilicaulis* Mitt., Fla., Mex.
145. *angustiretis* Aust., Fla.
146. *Virginicus* Aust., Va.
Folia pilifera.
147. *laevigatus* Sch., Mex.
148. *lamellicosta* Sch., Mex.
149. *Liebmanni* Sch., Mex.
150. *Richardi* Schw. (*C. nigrescens* Duby.), Mex.
151. *strictus* Sch., Mex.
152. *pilosissimus* Sch., Mex.
153. *luridus* Sch., Mex.
154. *introflexus* Hedw. (*C. polytrichoides* D. N., *C. leucotrichus* S. & L., *lutescens* Sch.), Ala. }
28. **CAMPYLOCHÆTIUM** Besch.
155. *Mexicanum* Besch., Mex.
156. *Selowii* Hornsch. (*Angstroemia Hallerianum* C. M.), "

29. *PILOPOGON* *Brid.*
 157. *calycinus* *Sch.*, Mex.
 158. *Mohrii* *C. M.*, Mex.
30. *HOLOMITRIUM* *Brid.*
 159. *serratum* *C. M.*, Mex.

Tribe II. LEUCOBRYACEÆ.

Family I. LEUCOBRYEÆ.

31. *LEUCOBRYUM* *Hpe.*
 160. *glaucum* *Hpe.*, U. S., Br. Am.
 var. minus (*Hpe.*), So. U. S., Mex.
32. *OCTOBLEPHARUM* *Hedw.*
 161. *albidum* *Hedw.*, Gulf Sts., Mex.

Tribe III. FISSIDENTACEÆ.

Family I. FISSIDENTEÆ.

33. *FISSIDENS* *Hedw.*
 A. Fruit terminal.
162. *hyalinus* *H. & W.*, Ohio.
 163. *obtusifolius* *Wils.*, Ohio, Col.
 164. *incurvus* *Schw.* (*F. limbatus* *Sull.*), Gulf Sts., Cal.
 var. exiguus (*Sull.*), Mid. Sts.
 " *synoicus* (*Sull.*), Mid. Sts.
 " *monoicus* *Aust.*, N. J.
 " *minutulus* *Sull.*, U. S., Br. Am.
 " *longipes* *Aust.*, Vancouver's I.
165. *Floridanus* *L. & J.*, Fla.
 166. *bryoides* *Hedw.*, E. W. Mid. Sts., Col.
 167. *Ravenelii* *Sull.*, Car. to Fla., Ala.
 168. *osmundioides* *Hedw.*, E. Mid. W. Sts., and Br. Am.
 169. *Garberi* *Jas.*, Fla.
 170. *Donnellii* *Aust.*, Fla.
 171. *Texanus* *Aust.* (*F. Hallii*, *Aust.*), Tex.
 172. *tortilis* *Hpe.*, Mex.
 var. scalpellatus *C. M.*, Mex.
 173. *circinans* *Sch.*, Mex.
 174. *ventricosus* *Lx.*, Cal.
 175. *Closteri* *Aust.*, N. J.
 176. *subcrenatus* *Sch.*, Mex.

B. Fruit axillary.

177. *subbasilaris* Hedw., No. and Mid. Sts., Ohio, Ala.
 178. *taxifolius* Hedw., Mid. Sts., Ohio, Ala.
 179. *adiantoides* Hedw., No. and E. U. S., Pac. Coast, Br. Am.
 var. *rupestris* (*F. rupestris* Wils.), Mid. Sts.
 180. *polypodioides* Hedw., Mex., La., Fla., Ga.
 181. *grandifrons* Brid., N. Y., No. W. to Rky. Mts., Br. Am., Pac.
 var. *strictus* Besch., Mex.
 182. *decipiens* D. N., Fla., Ohio, Ill., Ontario.
C. Sterile.
 183. *Bourgeanus* Besch., Mex.
34. *CONOMITRIUM* Mont.
 184. *Julianum* Mont., N. E., Mid. and W. Sts., Fla., Ala.
 var. *Mexicanum* Sch., Mex.
 185. *Hallianum* S. & L., N. J., Ill., Fla.
 186. *reticulosum* C. M., Mex.

Tribe IV. SELIGERIACÆ.

Family I. SELIGEREÆ.

35. *ANODUS* B. & S.
 187. *Donianus* B. & S., N. Y., and Br. Am.
36. *SELIGERIA* B. & S.,
 188. *tristichia* B. & S., Ohio.
 189. *recurvata* B. & S., N. Y., N. J., Pa., Br. Am.
 190. *globifera* Hpe., Mex.
 191. *pusilla* B. & S., Mo., Br. Am.
 192. *calcareæ* (*Dicks.*), Ohio.
37. *BLINDIA* B. & S.
 193. *acuta* Br. Eu., Catskill Mts. and No. to G'land.
38. *CAMPYLOSTELIUM* B. & S.
 194. *saxicola* W. & M., N. E. Sts., N. J., Ky.

Tribe V. CERATODONTACEÆ.

Family I. CERATODONTEÆ.

39. *CERATODON* Brid.,
 195. *purpureus* Brid., No. U. S., to Pac. Coast, Br. Am.
 var. *aristatus*, N. J., Pa.
 " *xanthopus*, Rky. Mts., Cal.
 196. **minor* Aust., British Columbia.
 197. *stenocarpus* B. & S., Mex.
 198. *perichæthialis* Sch., Mex.

40. TRICHODON *Sch.*
 199. cylindricus *Aust.*, Vanc'r I.
 200. nodulosus *Aust.*, N. Y., N. J.

Family II. LEPTOTRICHEÆ.

41. LEPTOTRICHUM *Ipe.* (*Trichostomum* *B. & S.*)
 201. tortile *Schrad.*, N. E., No. and W. Sts., Ala., Br. Am.
 " var. pusillum, N. Y., Pa.
 202. tenue *Swartz* (*T. vaginans* *Sull.*), N. E. Sts. to Mo., Br. Am.
 203. flexicaule (*Schweg.*), Pac. Coast., Br. Am.
 " var. erosum *Aust.*, Br. Am.
 204. pallidum (*Schreb.*), Atl., Gulf and West. Sts., Br. Am.
 205. glaucescens (*Heaw.*), Mid. and E. Sts., Br. Am., Col.
 206. Schimperii *Lx.*, Pac. Coast.
 207. heteromallum *Lindbj.*, (*L. Sullivantii* *Aust.*) Wht. Mts.
 208. leptocarpum *Sch.*, Mex.
 209. Mexicanum *Sch.*, Mex.
 210. Mittenii *Besch.*, Mex.
42. SYMBLEPHARIS *Mont.*
 211. helicophylla *Mont.*, Mex.
 212. Chrismari *C. M.*, Mex.

Family III. DISTICHEÆ.

43. DISTICHUM *B. & S.*
 213. capillaceum *B. & S.*, No. E. U. S., Br. Am., Pac., Rky. Mts.
 214. inclinatum *B. & S.*, Ohio., No. and West., Col.

Tribe VI. EUSTICHIACEÆ.

Family I. EUSTICHIÆ.

44. EUSTICHUM *Brid.*
 215. Norvegicum *Br. Eu.*, O., Pa., Ky., Mex.

Tribe VII. POTTIACEÆ.

Family I. POTTIÆ.

45. PHAROMITRIUM *Sch.*
 216. sessile *Sch.*, Br. Am., Col.
 217. exiguum *Aust.*, Tex., Ill.
46. POTTIA *Erh.*
A. Capsule gymnostomous or nearly so.
 218. cavifolia (*Dicks.*), Pac. Coast, Col.
 219. minutula (*Schwyg.*), Texas.

220. *truncata* (L.), N. E. and Mid. Sts.
var. *subcylindrica*, Br. Am.
221. *Heimii* Hedw., Br. Am., Col., Pac. Coast.
222. *subsessilis* B. & S., Pac. Coast.
223. *riparia* Aust. (*Didymodon* ?), Mid. Sts.
224. *Mexicana* Hpe., Mex.
225. *exiguum* Aust., Tex., Ill.
- B. Capsule bearing a distinct peristome.*
226. *Starkeana* (Hedw.), Pac. Coast.
227. *latifolia* (Schweg.), Br. Am., Rky. Mts., Cal.
47. DIDYMODON Hedw.
228. *rubellus* (Roth.), U. S., Br. Am.
229. *luridus* Horn., Niag. Falls.
230. *cylindricus* (Bruch.), Mid. Sts.
231. *Mexicanus* Besch., Mex.
232. *æneus* Sch., Mex.
233. **diversifolius* Aust. (*Trichostomum tophaceum* Brid. var. ?), N. Y.

Family II. TRICHOSTOMEÆ.

48. TRICHOSTOMUM Sm.
234. *tophaceum* Brid., Pac. Coast. Col., N. Y., O.
235. *rigidulum* Sm., Br. Am., Pac. Coast.
236. *crassinervium* Hpe., Pac. Coast.
237. *anomalum* Sch., Br. Am., Pac. Coast.
238. *flexipes* B. & S., Pac. Coast.
239. *corniculatum* Wahl., Pac. Coast.
240. *dicranelloides* Sch., Mex.
241. *campylocarpum* C. M., Mex.
242. *obtusifolium* Hpe., Mex.
243. *crispulum* Br., Mex.
244. *subanomalum* Besch., Mex.
245. *Bescherellii* Sch., Mex.
246. *ramulosum* Sch., Mex.
247. *rubiginosum* Mitt., Br. Am.
248. *ulocalyx* C. M., Mex.
249. *stellatum* C. M., Mex.
250. *luteolum* Besch., Mex.
251. *luridum* Horn., About the Gt. Lakes.
252. *macrostegium* Sull., Ala., La.
253. **scitulum* Aust. (*Leptotrichum* ?), N. J.
254. *subdenticulatum* Aust., Fla.
255. **Coloradense* Aust., Cal.
256. *chlorophyllosum* C. M., Mex.
257. *flavo-virens* Bruch. (*Barbula tortifolia* Jas.), Fla.

49. CALYMPERES *Sac.*
 258. *disciforme C. M.*, Fla., Mex.
 259. *Richardi C. M.*, Fla., Mex.
 260. *Donnellii Aust.*, Fla.
 261. **filigerum Aust.*, Fla.
50. SYRRHOPODON *Schw.*
 262. *crispus Aust.*, Fla.
 263. *parvulus Sch.*, Mex.
 264. *Texanus Sull.*, Gulf Sts., N. C.
 265. *albovaginatus Schw.*, Mex.
 266. *Hobsoni H. & G.*, Mex.
 267. *Floridanus Sull.*, Fla., La.
 268. *circinatus Sch.*, Mex.
 269. **Rauei Aust.*, Pa.
 270. *Mohrii C. M.*, Mex.
 271. *Sartorii C. M.*, Mex.
51. DESMATODON *Brid.*
 272. *latifolius Hedw.*, Pac. Coast, Col., Br. Am., G'land.
 " *var. glacialis*, Col.
 273. *sistylus B. & S.*, Col., Pac. Coast.
 274. *cernuus (Wahl.)*, Col., Br. Am.
 275. *obliquus B. & S.*, Rky. Mts.
 276. *Laureri (Schulz)*, Col.
 277. *arenaceus S. & L.*, Ohio.
 278. *flavicans Funf. (Barbula obtusifolia Schw.)*, Col., Br. Am.
 279. *Porteri Jas.*, Pa., Niag. Falls, O., Ill.
 280. *Californicus Lx.*, Cal.
 281. *Sartorii C. M.*, Mex.
 282. *plinthobius S. & L.*, Pa., O., So. Sts.
52. BARBULA *Hedw.*
A. Aloidella.
 283. *brevirostris B. & S.*, Br. Am.
 284. *rigida Schulz*, Ill., Col., Br. Am.
B. Barbula.
 285. *membranifolia Schulz*, Cal.
 286. *chloronotus Schulz*, Cal.
 287. *atrovirens Sm., var. edentula*, Col., Cal.
 288. *Guepini B. & S.*, Cal.
 289. *cuneifolia Dick.*, Cal.
 290. *Vahliana Schulz*, Cal.
 291. *marginata B. & S.*, Cal.
 292. *muralis Timm.*, N. J., Pa., So. Sts., Col.

C. Tortula.

293. *ungiculata* Dill., No. and East. U. S., Ala.
 294. *fallax* Hedw., No. and East. U. S., Br. Am., Rky. Mts.
 295. *recurvifolia* Sch., N. Y., N. J., and West to Col.
 296. *vinealis* Br. Eu., O., Br. Am., Pac. Coast, Mex.
 " var. *placida*, Cal.
 297. *gracilis* Schwg., Br. Am.
 298. *convoluta* Hedw., var. *Americana* Aust., Mid. Sts., O., Br. Am., {
 Pac. }
299. *cæspitosa* Schwg., Atl. Sts. and West'd, Gulf Sts., Mex.
 300. *tortuosa* W. & M., Mid. Sts., Br. Am., Rky. Mts.
 301. *fragilis* Wils., N. J. to Canada, Rky. Mts.
 302. *Donnellii* Aust., Fla.
 303. *agraria* Swartz, Fla.
 304. *Ranei* Aust., Tex.
 305. *gracilescens* Sch., Mex.
 306. *graciliformis* Sch., Mex.
 307. *leptocarpa* Besch., Mex.
 308. *Bourgeana* Besch., Mex.
 309. *erythropoda* Sch., Mex.
 310. *rufipes* Sch., Mex.
 311. *olivacea* Besch., Mex.
 312. *teretiuscula* Sch., Mex.
 313. *ferruginea* Sch., Mex.
 314. *graminicolor* C. M., Mex.
 315. *Orizabana* C. M., Mex.
 316. *flaccidiseta* Ltz., Mex.
 317. *spiralis* Sch., Mex.
 " var. *humilis* C. M., Mex.
 318. *trichostomoides* Besch., Mex.
 319. *Jooriana* C. M. (*B. Ravenelii* Aust.), Ga., La.
 320. *Indica* Hook. (*B. Cruceperi* Sond., *B. Closteri* Aust.), La., N. J., Fla.
 321. *subfallax* Mull., Pac. Coast.
 322. *semitorta* Sull., Pac. Coast.
 323. *insulana* D. N., Pac. Coast.
 324. *flexifolia* Hpe., Pac. Coast.
 325. *arctocarpa* Lx., Pac. Coast.
 326. *virescens* Lx., Pac. Coast.
 327. *brachyphylla* Sull., Pac. Coast.
 328. *Bolanderi* Lx., Pac. Coast.
 329. *amplexa* Lx., Pac. Coast.
- D. Syntrichia.*
 330. *subulata* Brid. N. E. Sts., N. Y., Ill., Cal., Br. Am.
 " var. *subinermis*, Col.
 " " *mucronifolia* (*B. mucronifolia* Schwg.), N. Y., O., }
 Br. Am., Col. }

331.	<i>inermis</i> <i>Mont.</i> ,	Col., Pac. Coast.
332.	<i>lævipila</i> <i>Br. Eu.</i> ,	Pac. Coast, Br. Am.
333.	<i>latifolia</i> <i>Br. Eu.</i> ,	Pac. Coast.
334.	<i>ruralis</i> <i>Hedw.</i> ,	Br. Am., Col., Tex.
	“ <i>var. gigantea</i> ,	Pac. Coast.
335.	<i>papillosa</i> <i>Wils.</i> ,	N. E. to Fla.
336.	<i>Mulleri</i> <i>Bruch.</i>	Pac. Coast, Br. Am.
337.	<i>intermedia</i> <i>Brid.</i> ,	Pac. Coast, N. J.
338.	<i>glacialis</i> <i>Ktz.</i> ,	Mex.
339.	<i>amphidacæ</i> <i>C. M.</i> ,	Mex.
340.	<i>brevipes</i> <i>L.</i> ,	Pac. Coast.
341.	<i>Ehrenbergiana</i> <i>C. M.</i> ,	Mex.
342.	<i>obtusissima</i> <i>C. M.</i>	Mex.

Tribe VIII. GRIMMIACEÆ.

Family I. GRIMMIÆ.

53.	SCOULERIA <i>Hook.</i>	
	343. <i>aquatica</i> <i>C. M.</i>	Pac. Coast.
54.	GRIMMIA <i>Ehr.</i>	
	<i>A. Schistidium.</i>	
	344. <i>sphærica</i> <i>Hedw.</i> ,	Br. Am.
	345. <i>conferta</i> <i>Funk.</i> N. E. and Mid. Sts., Br. Am., Col., Pac. Coast.	
	“ <i>var. obtusifolia</i> ,	N. E.
	“ “ <i>longipila</i> ,	Mid. Sts.
	346. <i>apocarpa</i> <i>L.</i> ,	N. E. to Miss. Riv. and So. Col., Pac.
	“ <i>var. gracilis</i> ,	N. J.
	“ “ <i>rivularis</i> ,	Mid. Sts., Pac. Coast.
	347. <i>maritima</i> <i>Turn.</i> ,	Me., R. I., Newfound'd.
	348. <i>Agassizii</i> <i>S. & L.</i> ,	L. Superior and N. Brunsw'k.
	349. <i>Coloradensis</i> <i>Aust.</i> ,	Col.
	350. <i>ambigua</i> <i>Sull.</i> ,	N. Mex.
	351. <i>fuliginosa</i> <i>Sch.</i> ,	Mex.
	352. <i>Schiedeana</i> <i>C. M.</i> ,	Mex.
	353. <i>platyphylla</i> <i>Mitt.</i> ,	Col., Davis Straits.
	<i>B. Gasterogrimmia.</i>	
	354. <i>Jamesii</i> <i>Aust.</i> ,	Rky. Mts.
	355. <i>anodon</i> <i>B. & L.</i> ,	Wht. Mts., Br. Am., Col.
	356. <i>brachyodon</i> <i>Aust.</i> ,	Cal.
	357. <i>plagiopoda</i> <i>Hedw.</i> ,	Rky. Mts.
	358. <i>Brandegei</i> <i>Aust.</i> ,	Col.
	<i>C. Grimmia.</i>	
	359. <i>pulvinata</i> <i>Dill.</i> ,	Pac. Coast.
	360. <i>contorta</i> <i>Wahl.</i> ,	Pac. Coast.
	361. <i>torquata</i> <i>Gre.</i>	Br. Am.

362. *Muhlenbeckii* Sch., Pac. Coast.
 363. *trichophylla* Grev., Col., Br. Am., Pac. Coast.
 364. *imberbis* Ktz., Mex.
 365. *fuscolutea* Hook., Mex.
 366. *Pennsylvanica* Schw., Atlantic Sts., Mex.
 367. *Olneyi* Sull., Mid. Sts., Br. Am.
 368. *Californica* Sull., Pac. Coast.
 369. *hamulosa* Lx., Pac. Coast.
D. Gumbelia.
 370. *Donniana* Sm (*G. obtusa* Schwg.), Wht. Mts., Br. Am.
 371. *ovata* W. & M., N. Y., Col., Br. Am., Mex.
 " var. *affinis*, Rky. Mts., Col.
 372. *leucophæa* Grev., N. J., N. Y., O., Ga., Pac. Coast, Br. Am.
 373. *montana* B. & S., Canada, Col.
 374. *alpestris* Schl., Br. Am., Cal.
 375. *elongata* Kauf., Wht. Mts.
 376. *unicolor* Grev., N. Y., Mid. Sts., Br. Am.
 377. *laxa* C. M., Mex.
 378. *calyptrata* Hook., New Mex., Col., Br. Am.
Incertæ sedis.
 379. **subincurva* Aust., Col.
55. *RACOMITRIUM* Brid.
 380. *Sudeticum* Brid., Mid. Sts., Br. Am.
 381. *heterostichum* Hedw., Pac. Coast, Col., Br. Am.
 382. *fasciculare* Schrad., Alleg. Mts. and North, Br. Am.
 383. *microcarpum* Hedw., Mid. Sts.
 384. *linginosum* Hedw., N. E. to Or., Vanc'r I., G'land.
 385. *canescens* Hedw., N. E. to Vanc'r I.
 386. **varium* Mitt., Br. Columb.
 387. **Nevii* C. M., Oregon.
 388. *cylindricum* Sch., Mex.
 389. *patens* Dicks., Pac. Coast.
 390. *depressum* Lx., Pac. Coast.

Family II. HEDWIGIÆ.

56. *HEDWIGIA* Ehr.
 391. *ciliata* Ehr., Atl. Sts., Col., Pac. Coast.
 " var. *leucophæa*, Col., Br. Am.
 " " *falcata*, Oregon.
 392. *subrevoluta* C. M., Mex.
57. *HEDWIGIDIUM* B. & S.
 393. *squarrulosum* B. & S., Mex.

58. BRAUNIA B. & S.
 394. Californica Lx. (*H. pilifera* Mitt.), Pac. Coast, Br. Am.
 395. secunda B. & S., Mex.
 396. Andreuxii Ltz., Mex.
 397. Liebmanniana Sch., Mex.

Family III. PTYCHOMITRIÆ.

59. COSCINODON Spreng.
 398. Wrightii Sull., Tex., Na., N. Mex., Col.
 399. Rauei Aust., Col.
60. PTYCHOMITRIUM B. & S.
 400. incurvum Schwg. (*P. pygmaeum* L. & J.), N. Y. to Ga., O., Kan., Mo.
 401. Drummondii H & W., So. Ill. to S. C. and the Gulf.
 402. lepidomitrium Sch., Mex.
 403. Reichenbachianum Ltz., Mex.
 404. serratum Sch., Mex.
 405. Gardneri Lx., Cal.
61. GLYPHOMITRIUM Bridl.
 406. Canadense Mitt., Br. Am.

Family IV. ZYGODONTEÆ.

62. AMPHORIDIUM Sch.
 407. Lapponicum Hedw., Mid. Sts., Br. Am., Col., Pac. Coast.
 408. Mougeotii B. & S., Mid. Sts., Col.
 409. cæspitosum Mitt., Vanc'r I.
63. ZYGODON H. & T.
 410. Californicus Hpe., Pac. Coast.
 411. Sullivantii C. M., N. C.
 412. affinis Sch., Mex.
 413. cylindricus Sch., Mex.
 414. Liebmanni Sch., Mex.
 415. spathulæfolius Besch., Mex.
 416. angustatus Sch., Mex.
 417. Ehrenbergii C. M., Mex.
 418. circinatus Sch., Mex.
 419. campylophyllus C. M., Mex.
64. DRUMMONDIA Hook.,
 420. clavellata Hook., Can. to Ga.

65. *MACROMITRIUM* *Brid.*
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| 421. <i>Lieboldtii</i> <i>Hpe.</i> , | Mex. |
| 422. <i>Mexicanum</i> <i>Mitt.</i> , | Mex. |
| 423. <i>Ghiesbrechtii</i> <i>Besch.</i> , | Mex. |
| " var. <i>brevifolium</i> , | Mex. |
| 424. <i>rhabdocarpum</i> <i>Mitt.</i> , | Fla., Mex. |
| 425. <i>Sumichrasti</i> <i>Duby.</i> , | Mex. |
| 426. <i>flexuosum</i> <i>Sch.</i> , | Mex. |
| 427. <i>pentastichum</i> <i>C. M.</i> , | Mex. |
| 428. <i>tomentosum</i> <i>C. M.</i> , | Mex. |
| 429. <i>tortuosum</i> <i>Sch.</i> , | Mex. |
| 430. <i>Mulleri</i> <i>Sch.</i> , | Mex. |
| 431. <i>leptophyllum</i> <i>Besch.</i> , | Mex. |
| 432. <i>Dregei</i> <i>Hoch.</i> ,? | Neb., Ga. |
| 433. <i>perpusillum</i> <i>C. M.</i> , | Mex. |
| 434. <i>Sartori</i> <i>C. M.</i> , | Mex. |
| " var. <i>gracilescens</i> , | Mex. |
| " " <i>robustius</i> <i>C. M.</i> , | Mex. |
66. *MICROMITRIUM* *Sch.*
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| 435. <i>Schlumbergeri</i> <i>Sch.</i> , | Mex. |
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67. *SCHLOTHEIMIA* *Brid.*
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| 436. <i>Sullivanti</i> <i>C. M.</i> , | Gulf Sts. |
| 437. <i>Sartorii</i> <i>Sch.</i> , | Mex. |
| 438. <i>sphæropoma</i> <i>Duby.</i> , | Mex. |
| 439. <i>Mohriana</i> <i>C. M.</i> , | Mex. |

Family V. ORTHOTRICHEÆ.

68. *ULOTA* *Brid.*
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| 440. <i>Drummondii</i> <i>Grev.</i> , | Br. Am. |
| 441. <i>Ludwigii</i> <i>Brid.</i> , | N. Y., Alleg'y Mts., Br. Am. |
| 442. <i>curvifolia</i> <i>Wahl.</i> , | Br. Am. |
| 443. <i>crispa</i> <i>Hedw.</i> , | No. and East. U. S., Br. Am. |
| 444. * <i>crispula</i> <i>Hornsch.</i> , | No. and East. U. S., Br. Am. |
| 445. <i>phyllantha</i> <i>Brid.</i> , | Pac. Coast. |
| 446. <i>Hutchinsiae</i> <i>Smith.</i> , | Atl. Sts., Col., G'land. |
| 447. <i>Barclayi</i> <i>Mitt.</i> , | Alaska. |
69. *ORTHOTRICHUM* *Hedw.*
- A. Peristome usually simple.*
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| 448. <i>anomalum</i> <i>Hedw.</i> , | No. and East, U. S., Br. Am., Col., G'land. |
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449. *cupulatum Hoffm.*,
 " var. *Peckii*, } (*O. Porteri* (S. & L.), *Aust.*) Pa., N. Y.,
 " " *Porteri*, } N. J., Ga.
 " " *parvulum*, N. E. Sts.,? N. Mex., Col.
 " " *minus*, (*O. Lescurii Aust.*) Mid. and N. E. Sts., }
 Col., Lake Ont. }
450. *Sturmii H. & H.*, Tex., N. Mex., Col., Cal.
 451. *Texanum Sull.*, Tex., N. Mex., Col., Pac. Coast.
 " var. *globosum*, Pac. Coast.
 452. *Jamesianum Sull.*, Can., Na.
- B. Peristome double, ciliae either 8 or 16.*
453. *rupestre Sch.*, Col., Pac. Coast.
 454. *obtusifolium Schrad.*, Mid. Sts.
 455. *affine Schrad.*, Lake Superior region.
 456. *speciosum Nees.*, Br. Am., Col., Pac. Coast.
 " var. *polyanthum Lx.*, Cal.
 " " *brevicaule Lx.*, Pac. Coast.
457. *Rauei Aust.*, Col.
 458. *alpestre Hornsch.*, var. Can., Rky. Mts.
 459. *fallax Swartz.*, N. J.
 " var. *truncatulum Aust.*, Ill.
460. *tenellum Bruch.*, Col.
 461. *exiguum Sull.*, S. C.
 462. *brachytrichum Sch.*, Pa., N. Y., Lake Sup., Br. Columb.
 463. *strangulatum Beauv.*, N. E. Sts. to Va. and O.(?)
 464. **sordidum S. & L.*, Mid. and N. E. Sts., Br. Am.
 465. *Ohioense S. & L.*, O., Mid. and N. E. Sts., Br. Am.
 466. *psilocarpum Jas. (O. pusillum Mitt.?)*, Mid. Sts., Conn., S. C.
 467. *Hallii S. & L.*, Col.
 468. *Kingianum Lx.*, Col., Na.
 469. *Macouni Aust.*, Br. Columb.
 470. *Bolanderi Sull.*, Cal.
 471. *cylindricarpum Lx. (O. Coulteri Mitt.?)*, Cal., Col.
 472. *consimile Mitt.*, Br. Am., Col., Pac. Coast.
 473. *Columbicum Mitt.*, Pac. Coast.
 474. *elegans Sch.*, Br. Columb.
 475. *Watsoni Jas.*, Na., Col.
- C. Peristomal teeth 8 soon broken up into 16, ciliae 16.*
476. *pallens Bruch.*, Br. Columb.
 477. *rivulare Turn.*, Pac. Coast.
 478. *diaphanum Schrad. (O. canum Mitt.)*, Br. Am., Col.
 479. *pulchellum Sm.*, Br. Am., Pac. Coast.
 480. *Hainesiæ Aust.*, Col.
 481. *pyncnophyllum Sch.*, Mex.
 482. *recurvans Sch.*, Mex.

D. Peristomal teeth 16 composed of a double series of cells, eroded at the sides and papillose.

483. *Lyellii* H. & T., Br. Am., Pac. Coast.
 484. *leiocarpum* B. & S. (*O. speciosum* Nees. var. *polyanthum* Lx. }
fide Aust.), N. E. Sts., Br. Am. }

Family VI. ENCALYPTEÆ.

70. ENCALYPTA Schrad.
 485. *commutata* N. & H., Br. Am., Rky. Mts.
 486. *vulgaris* Hedw., Br. Am., Rky. Mts., Pac. Coast.
 " var. *obtus*., Col.
 487. *rhabdocarpa* Schwj., Br. Am., Rky. Mts., N. Mex.
 488. *ciliata* Hedw., N. H., N. Y., O., Br. Am., Rky. Mts., Pac. Coast.
 489. *apophysata* N. & H., Rky. Mts.
 490. *procera* Bruch., Br. Am.
 491. *streptocarpa* Hedw., Mid. Sts., Br. Am., Cal.
 492. *Mexicana* C. M., Mex.
 493. **longipes* Mitt., Rky. Mts.
 494. *Macounii* Aust., Can.
 495. *Selwyni* Aust., Vanc'r I.

Tribe IX. TETRAPHIDACEÆ.

Family I. TETRAPHIDEÆ.

71. TETRAPHIS Hedw.
 496. *pellucida* Hedw., U. S., Br. Am.
 72. TETRODONTIUM Schwj.
 497. *repandum* Funk., Wht. Mts., N. H.

Tribe X. SCHISTOSTEGACEÆ.

Family I. SCHISTOSTEGEÆ.

73. SCHISTOSTEGA Mohr.
 498. *osmundaceæ* W. & M., N. Y., Wht. Mts., Br. Am.

Tribe XI. SPLACHNACEÆ.

Family I. TAYLORIEÆ.

74. DISSODON G. & A.
 499. *Frœlichianus* Frœl., Rky. Mts.
 500. *Hornschuchii* Grer., Rky. Mts.
 501. *splachnoides* Thun., Col., Br. Am.

75. TAYLORIA *Hook.*
 502. *splachnoides Hook.*, Col., Br. Am.
 503. *serrata B. & S.*, Pac. Coast, Col., Br. Am.
 504. *tenuis Dicks.*, G'land.

Family II. SPLACHNEÆ.

76. TETRAPLODON *B. & S.*
 505. *angustatus B. & S.*, Wht. Mts., Br. Am., Arc. regions.
 506. *australis S. & L.*, Atl. Sts.
 507. *mnoides B. & S.*, N. Y., Br. Am., G'land.
 " var. *Adamsianus*, Arc. regions.
 " " *cavifolius*, Arc. regions.
 508. *urceolatus B. & S.*, Rky. Mts.
77. SPLACHNUM *L.*
 509. *Wormskjoldii Hornsch.*, Arc. Am., G'land.
 510. *sphæricum L.*, Br. Am.
 511. *vasculosum L.*, Arc. regions.
 512. *ampullaceum L.*, N. E. to Pa. and O.
 513. *rubrum L. (S. Fowleri Aust.)*, Me., Br. Am.
 514. *melanocaulon Schw.*, Pac. Coast.

Tribe XII. DISCELIACEÆ.

Family I. DISCELIEÆ.

78. DISCELIUM *Brid.*
 515. *nudum Dicks.*, Pa., O., Can. to Vanc'r I.

Tribe XIII. FUNARIACEÆ.

Family I. PHYSCOMITRIEÆ.

79. APHANORRHAGMA *Sull.*
 516. *serratum Sull.*, Mid. and West. Sts.
80. PYRAMIDULA *Brid.*
 517. *tetragona Brid.*, N. Am.
81. PHYSCOMITRIUM *Brid.*
 318. *pyriforme L.*, Ill., Atl. Sts., Fla., La., Br. Am., Col., Pac. Coast.
 319. *hians Lindbj. (P. latifolium Hook.)*, O., Col.
 520. *immersum Sull.*, Ill., Mid. Sts., O., S. C.
 521. *subsphæricum Sch.*, Mex.
 522. *tetragonum B. & S.*, Ind., Tex., Col.

82. *EUTOSTHODON Schw.*
 523. Drummondi *Sull.*, Gulf Sts.
 524. Bolanderi *Lr.*, Pac. Coast.
 525. Templetoni *Schw.*, Pac. Coast.
 526. longisetus *Sch.*, Pac. Coast.
83. *FUNARIA Schreb.*
 527. Americana *Lindbg. (F. Muhlenbergii Hedw.)*, Pa.
 528. Mediterranea *Lindbg. (F. Muhlenbergii Schw. and F. calcarea }
 Sch.), Cal. }*
 529. calcarea *Wohl. (F. Hibernica H. & T.)*, Br. Am.
 530. serrata *Beauv.*, Pa. to So. Sts.
 531. Californica *S. & L.*, Cal.
 532. flavicans *Michx.*, West. and So. U. S., and the coast North'd.
 533. hygrometrica *Hedw.*, U. S., Br. Am.
 " var. patula, Pa., N. J., Col., Pac. Coast.
 " " calvescens, Pa., O., So. Sts. to Mex.
534. annulata *Besch.*, Mex.
 535. obtusata *Sch.*, Mex.
 536. convoluta *Hpe.*, Cal.
 537. microstoma *B. & S.*, Cal.
 538. Ravenellii *Aust.*, S. C.
 539. Sartorii *C. M.*, Mex.
 540. Orizabensis *C. M.*, Mex.

Tribe XIV. BRYACEÆ.

Family I. PLEUROBRYEÆ.

84. *MIELICHOFEIRA N. & H.*
 541. *compacta *Aust. (Bryum ?)*, Wht. Mts., N. J., Br. Am.
 542. macrocarpa *B. & S.*, Mex.
 543. Schiediana *C. M.*, Mex.
 544. campylothea *C. M.*, Mex.

Family II. BRYEÆ.

85. *LEPTOBRYUM Sch.*
 545. pyriforme *L.*, Br. Am., U. S., Mex.
86. *WEBERA H.*
 546. acuminata *H. & H.*, N. Y., Adirond'k Mts.
 547. polymorpha *H. & H.*, Pac. Coast.
 548. elongata *Dicks.*, Wht. Mts., N. Y., So. Sts., Col.
 " var. humilis *B. & S.*, Br. Am., Col.
 549. longicolla *Swartz.*, Br. Am. Pac. Coast.

550.	<i>Lescuriana Sull.</i> ,	N. E., Mid. Sts., Va., Br. Am.
551.	<i>nutans Schreb.</i> ,	No. and East. U. S., Pac. Coast.
	“ var. <i>cæspitosa</i> ,	Col.
	“ “ <i>bicolor</i> ,	Pa.
	“ “ <i>longiseta</i> ,	Col.
552.	<i>cucullata Schwy.</i> ,	Wht. Mts., Pac. Coast.
553.	<i>cruda Schreb.</i> ,	No. and East. U. S., Br. Am., Col., Mex.
554.	<i>Schimperi C. M.</i> ,	G’land.
555.	<i>annotina Hedw.</i> ,	N. E., Mid. Sts., Br. Am.
556.	<i>Bolanderi Lx.</i> ,	Cal.
557.	<i>Ludwigii Schwy.</i> ,	Br. Am., Rky. Mts., Pac. Coast.
558.	<i>Tozeri Grev.</i> ,	Pac. Coast,
559.	<i>albicans Wahl.</i> ,	No. and East. U. S., Br. Am., Pac. Coast.
	“ <i>gracilior</i> ,	Pac. Coast.
560.	<i>integridens Sch.</i> ,	Mex.
561.	<i>spectabilis Ipe.</i> ,	Mex.
562.	<i>cylindrica Sch.</i> ,	Mex.
563.	<i>Mulleriana Sch.</i> ,	Mex.
564.	<i>falcata Besch.</i> ,	Mex.
565.	<i>nudicaulis Lx.</i> ,	Pac. Coast.
566.	<i>subdenticulata B. & S.</i> ,	Col.

87. BRYUM *Dill.*

567.	<i>arcticum R. Br.</i> ,	Pac. Coast, Rky. Mts., Br. Am., G’land.
568.	<i>purpurascens R. Br.</i> ,	Rky. Mts., Br. Am.
569.	<i>Brownii R. Br.</i> ,	Rky. Mts., Br. Am.
570.	<i>Lindgreni Sch. (B. arcticum B. & S.)</i> ,	Pac. Coast. Rky. Mts.
571.	<i>pendulum Hornsch. (B. cernuum B. & S.)</i> ,	No. and East. U. S., } Br. Am., Rky. Mts., Pac. Coast. }
572.	<i>inclinatum Swartz.</i> ,	Br. Am., Pac. Coast.
573.	<i>Warneum Bland</i> ,	Pac. Coast.
574.	<i>uliginosum Bruch</i> ,	Mid. and West. Sts., Br. Am., Rky. Mts.
575.	<i>flexuosum Aust.</i> ,	Br. Columb.
576.	<i>intermedium W. & M.</i> ,	U. S., Br. Am.
577.	<i>cirrhatum H. & H.</i> ,	Col., Pac. Coast.
578.	<i>bimum Schreb.</i> ,	No. and East. Sts., Rky. Mts., Pac. Coast.
579.	<i>torquescens B. & S.</i> ,	Br. Am., Tex., N. Mex., Ala., Pac. Coast.
580.	<i>provinciale Phil.</i> ,	Fla.
581.	<i>pallescens Schleich.</i> ,	O., Br. Am., Col., Pac. Coast.
582.	<i>subrotundum Brid.</i> ,	Br. Am., Pac. Coast.
583.	<i>atropurpureum W. & M.</i> ,	O., Tenn., Ala., Fla.
584.	<i>murale Wils.</i> ,	Mex.
585.	<i>alpinum Link</i> ,	Wht. Mts.
586.	<i>Muhlenbeckii B. & S.</i> ,	Pa., Col.
587.	<i>cæspiticium L.</i>	No. and East. U. S., Col., Ala., Br. Am., Pac. Cst.

588.	<i>Blindii</i> B. & S.,	Br. Am.
589.	<i>argenteum</i> L.,	U. S., Br. Am.
	" var. <i>corrugatum</i> Hpe.,	Mex.
590.	<i>capillare</i> L.,	U. S., Mex.
	" var. <i>longicolla</i> ,	Mex.
591.	<i>obconicum</i> Hornsch.,	Col., Pac. Coast.
592.	<i>Canariense</i> Brid.,	Pac. Coast.
593.	<i>cyclophyllum</i> Schwg.,	Mid. Sts.
594.	<i>pallens</i> Swartz,	Mid. Sts., Br. Am.
595.	<i>Duvallii</i> Voit,	N. E., Pac. Coast.
596.	<i>pseudo-triquetrum</i> Schwg.,	No. and East. U. S., Br. Am., { Col., Pac. Coast. }
597.	<i>turbinatum</i> Hedw.,	Col., Can., and West'd to Pac. Coast.
	" var. <i>latifolium</i> ,	Pac. Coast.
598.	<i>systilium</i> C. M.,	Mex.
599.	<i>imbricatum</i> Sch.,	Mex.
600.	<i>minutulum</i> Hpe.,	Mex.
601.	<i>Mexicanum</i> Mont.,	Mex.
602.	<i>tenellum</i> Sch.,	Mex.
603.	<i>rosulatum</i> C. M.,	Mex.
604.	<i>patulum</i> Sch.,	Mex.
605.	<i>angustatum</i> Sch.,	Mex.
606.	* <i>Clintoni</i> Aust.,	N. Y.
607.	<i>Biddlecomiæ</i> Aust.,	Col.
608.	* <i>Macouni</i> Aust.,	Br. Am., Pac. Coast.
609.	* <i>Rauei</i> Aust.,	Wht. and Catskill Mts.
610.	<i>sanguineum</i> Ludw.,	Ala.
611.	<i>occidentale</i> Sull.,	Pac. Coast.
612.	<i>Californicum</i> Sull.,	Pac. Coast.
613.	<i>Bigelowii</i> Sull.,	Pac. Coast.
614.	<i>Atwateriæ</i> C. M.,	Col.
615.	<i>Mohrii</i> Lx.,	La.
616.	<i>minutulum</i> Sch.,	Mex.
617.	<i>plagiopodium</i> Sch.,	Mex.
618.	<i>brevicaule</i> Sch.,	Mex.
619.	<i>Pohliæforme</i> Sch.,	Mex.
620.	<i>coronatum</i> Schwg.,	Fla., Mex.
621.	<i>andicola</i> Hook.,	Mex.
622.	<i>Bolteri</i> C. M.,	Mex.
623.	<i>Mexicanum</i> Mont.,	Mex.
624.	<i>didymodontium</i> Mitt.,	Mex.
625.	<i>miniatum</i> Lx.,	Col.
626.	<i>Oreganum</i> Sull.,	Cal.
627.	<i>roseum</i> Schreb.,	U. S., Br. Am.
628.	<i>domingense</i> Steud.,	Mex.

629. procerum *Sch.*, Mex.
 630. Ehrenbergianum *C. M.*, Mex.
 631. comatum *Besch.*, Mex.
 632. subroseum *Besch.*, Mex.
 633. Liebmanni *Sch.*, Mex.
 634. Sartorii *Sch.*, Mex.
 635. concinnatum *Spruce*, N. Y.
 636. prostratum *C. M.*, Mex.
88. ZIERIA *Sch.*
 637. julacea *Dicks.*, Col.
 638. demissa *Hornsch.*, Col.
89. RHIZOGONIUM *Br.*
 639. spiniforme *Br.*, Gulf Sts., Mex.
 640. Menziesii (*Hook.*) (*Mnium Menziesii Hook.*), Cal., Or., Br. Colb.
90. MNIMUM *L.*
A. Leaves bordered simply serrate.
 641. cuspidatum *Hedw.*, No. and East. U. S., Br. Am., Col.,
 642. affine *Bland.*, No. and East. U. S., Br. Am., Pac. Coast.
 " var. elatum, Pa., Col.
 " " rugicum, Ohio.
 643. medium *B. & S.*, Mid. Sts., Br. Am., Pac. Coast.
 644. Drummondii *B. & S.*, Mts. of N. E., N. Y., Pa., Br. Am.
 645. rostratum *Schrad.*, No. and East. U. S., Br. Am., Mex., Col.
 646. *insigne *Mitt.* (*M. affine Bland. var.?*), Pac. Coast.
 647. venustum *Mitt.*, Pac. Coast.
 648. *Nevii *C. M.*, Oregon.
- B. Leaves bordered doubly dentate.*
 649. hornum *L.*, No. and East. U. S., Br. Am.
 650. serratum *Schrad.*, No. and East. U. S., Br. Am., Col.
 651. orthorrhynchum *B. & S.*, No. and East. U. S., Br. Am.
 652. lycopodioides *Hook.*, No. and East. U. S., Br. Am.
 653. spinosum *Voit.*, Col.
 654. spinulosum *B. & S.*, U. S., Br. Am.
 655. *umbratile *Mitt.*, Br. Columb.
- C. Leaves not bordered.*
 656. stellare *Hedw.*, No. and East. U. S., Br. Am.
 657. cinclidioides *Blytt.*, No. and East. U. S., Br. Am.
- D. Leaves bordered entire.*
 658. punctatum *Hedw.*, No. and East. U. S., Br. Am.
 659. subglobosum *B. & S.*, Br. Am., Col., Pac. Coast.
91. CINCLIDIUM *Swartz., Schrad.*
 660. stygium *Swartz.*, Labrador, G'land.

661. *subrotundum* *Brid.*, Labrador, G'land.

Family III. AMBLYODONTEÆ.

92. AMBLYODON *P. Beauv.*
662. *dealbatus* *Dicks.*, N. Y., Wis., Col.

Family IV. MEESEÆ.

93. CATOSCOPIUM *Brid.*
663. *nigratum* *Brid.*, Rky. Mts., Br. Am.
94. MEESEA *Hedw. (Meesia.)*
664. *trichodes* (*L.*) *Spruce (M. uliginosa Hedw.)*, Wht. Mts., N. Y., }
O., Br. Am., Col., Pac. Coast. }
" var. *alpina*, Alpine and Northern regions.
665. *longiseta* *Hedw.*, N. E. and Mid. Sts., Pac. Coast.
666. *triquetra* (*L.*) *Lindby. (M. tristicha Funk.)*, Mid. Sts., Br. Am., }
Pac. Coast. }
667. *Macouni* *Aust.*, Br. Columb.
95. PALUDELLA *Ehr.*
668. *squarrosa* *L.*, N. Y., Br. Am., Arc. regions.

Family V. AULACOMNIEÆ.

96. AULACOMNION *Schw.*
669. *androgynum* *L.*, Col., Br. Am., Pac. Coast.
670. *palustre* *L. (A. papillosum C. M.)*, U. S., Br. Am.
" var. *rupestris*, Atl. Sts.
671. *turgidum* *Wahl.*, Adirond'k and Wht. Mts., G'land.
672. *heterostichum* *Br. Eu.*, No. and East. U. S., Br. Am.

Family VI. BARTRAMIEÆ.

97. BARTRAMIA *Hedw.*
673. *subulata* *B. & S.*, Col.
674. *stricta* *Brid.*, Pac. Coast.
675. *Menziesii* (*Hook.*), Pac. Coast.
676. *Campylopus* *Sch.*, Mex.
677. *subithyphylla* *Besch.*, Mex.
678. *ithyphylloides* *Sch.*, Mex.
679. *Schimperi* *C. M.*, Mex.
680. *glauca* *Ltz.*, Mex.
681. *ithyphylla* *Brid.*, Allg'y and Rky. Mts., Br. Am.

682. pomiformis *L.*, No. and East. U. S., Br. Am.
 683. Halleriana *Hedw.*, No. Am.
 684. Oederi *Gun.*, No. and East. U. S., Br. Am.
98. GLYPHOCARPA *R. Br.*
 685. intertexta *Sch.*, Mex.
99. CONOSTOMUM *Sar.*
 686. boreale *Dicks.*, Adirond'k and Alleg'y Mts.
100. BARTRAMIDULA *B. & S.*
 687. Wilsoni *B. & S.*, N. J.
101. PHILONOTIS *Brid.*
 688. Marchica *Brid.* (*B. Muhlenbergii Schwy.*), No. and East. U. S., }
 Br. Am., Rky. Mts., Pac. Coast. }
 689. fontana *L.*, No. and East. U. S., Br. Am., Rky. Mts., Pac. Coast.
 " var. falcata, Col., N. J., Whit. Mts.
 690. radicalis *Beaur.*, Pa., O., So. Sts.
 " var. Porteri *Aust.*, Pa., O., N. Y.
 691. tenella *Hedw.*, Fla.
 692. graminicola *C. M.*, Mex.
 693. Mohriana *C. M.*, Mex.
 694. Orizabana *Sch.*, Mex.
 695. brachyclada *Besch.*, Mex.
 696. erythrocaulis *C. M.*, Mex.
 697. amblyoblaster *C. M.*, Mex.
 698. Sartorii *C. M.*, Mex.
102. BREUTELIA *Sch.*
 699. arcuata *Dicks.*, Mex.
 700. subarcuata *Sch.*, Mex.
 701. intermedia *Hpe.*, Mex.

Family VII. TIMMIEÆ.

103. TIMMIA *H.*
 702. megalopolitana *Hehr.* (*T. bavaria Hes.*), No. and East. U. S., }
 Br. Am., Rky. Mts., Pac. Coast. }
 703. Austriaca *Hedw.*, Br. Am., Br. Columb., Col.

Tribe XV. POLYTRICHACEÆ.

Family I. POLYTRICHEÆ.

104. ATRICHUM *P. Beaur.*
 704. undulatum *L.*, U. S., Br. Am.

705. *angustatum* *Brid.*, No. Am.
706. *crispum* *Jas.*, Mid. Sts., Br. Am.
707. *parallellum* *Mitt.*, Rky. Mts., Br. Am.
708. *Selwyni* *Aust.*, No. West. Coast, Br. Am.
709. *Lescurii* *Jas.*, Alaska.
710. *polycarpum* *Sch.*, Mex.
711. *subulirostrum* *Sch.*, Mex.
712. *Mulleri* *Sch.*, Mex.
713. *torquescens* *Sch.*, Mex.
105. OLIGOTRICHUM *D. C.*
714. *Aligerum* *Mitt.*, Rky. Mts.
715. *Lyellii* *Mitt.*, Pac. Coast, Rky. Mts.
106. PSILOPILUM *Brid.*
716. *arcticum* *Wahl.*, Arc. America.
107. POGONATUM *P. Beauv.*
717. *tenue* *Menz. (P. brevicaule* *Brid.)*, East. and West. Sts., La.
718. *brachyphyllum* (*Mr.*) *Beauv.*, N. J. to So. Sts.
719. *capillare* *Mr.*, Br. Am., Rky. Mts.
" *var. dentatum*, Alaska.
720. *contortum* *Menz.*, Pac. Coast.
721. *urnigerum* *Brid.*, Wht., Adirond'k, Catskill, Alleg'y Mts., Col.
722. *atrovirens* *Mitt.*, Alaska, Br. Am. and South'd.
723. *alpinum* *Brid.*, N. E. and Mid. Sts. to Col., Pac. Coast.
" *var. septentrionale*, Col.
724. *cuspidatum* *Besch.*, Mex.
725. *Schmitzii* *Besch.*, Mex.
726. *Bescherellii* *Hpe.*, Mex.
727. *Tolucense* *Hpe.*, Mex.
728. *comosum* *Sch.*, Mex.
729. *campylocarpum* *C. M.*, Mex.
730. *subgracile* *Hpe.*, Mex.
731. *albovaginatum* *Hpe.*, Mex.
732. *Liebmanni* *Sch.*, Mex.
733. *leptocarpum* *Besch.*, Mex.
734. *glaciale* *Mitt.*, Mex.
735. *Schlumbergeri* *Sch.*, Mex.
736. *robustum* *Sch.*, Mex.
737. *ericifolium* *Besch.*, Mex.
738. *cylindricum* *Sch.*, Mex.
739. *macropogon* *Sch.*, Mex.
108. POLYTRICHUM *L.*
740. *gracile* *Menz.*, O., Br. Am., Col.

741.	<i>formosum Hedw.</i> ,	East. U. S., Br. Am.
742.	<i>piliferum Schreb.</i> ,	N. Y., N. J., O., Br. Am., Col., Pac. Coast.
	" <i>var. lævipilum</i> ,	Col., Pac. Coast.
743.	<i>juniperinum Hedw.</i> ,	U. S., Br. Am.
	" <i>var. alpinum</i> ,	Rky. Mts.
	" " <i>strictum</i> ,	N. Y., N. J.
744.	<i>commune L.</i> ,	U. S., Br. Am.
745.	<i>juniperiforme Sch.</i> ,	Mex.
746.	<i>Ghiesbrechtii Besch.</i> ,	Mex.
747.	<i>subflexuosum Ltz.</i> ,	Mex.
748.	<i>Sartorii C. M.</i> ,	Mex.
749.	<i>aristatum Sch.</i> ,	Mex.

Series II. PLEUROCARPÆ.

Tribe I. FONTINALACEÆ.

Family I. FONTINALEÆ.

109.	<i>FONTINALIS Dill.</i>	
	750. <i>Novæ-Angliæ Sull.</i> ,	N. E. and Mid. Sts. and West'd. Br. Am.
	751. <i>biformis Sull.</i> ,	Ohio.
	752. <i>Lescurii Sull.</i> ,	Can., N. E., Fla.
	" <i>var. cymbifolia</i> ,	N. J., Va.
	" " <i>ramosior</i> ,	N. H., Vt.
	753. <i>Sullivanti Lindby.</i> (<i>F. Lescurii Sull., var. gracilescens Sull. } Icon., N. J. }</i>	
	754. <i>filiformis S. & L., (F. disticha H. & W., var. tenuior S. Icon., } Kentucky. }</i>	
	755. <i>Dalecarlica Br. Eu.</i> ,	N. E. and Mid. Sts. and West'd. Br. Am.
	756. <i>Neo-Mexicana S. & L.</i> ,	N. Mex., Rky. Mts., Col., Pac. Coast.
	757. <i>antipyretica L.</i> ,	Br. Am., Pac. Coast.
	" <i>var. gigantea</i> ,	N. E. and Mid. Sts. and West'd.
	758. <i>disticha H. & W.</i> ,	N. E. and Mid. Sts., Ky., Ala., La.
	759. <i>hypnoides Hartm.</i> ,	Br. Am., Col.
110.	<i>DICHELYMA Myrin.</i>	
	760. <i>capillaceum Dill.</i> ,	N. Y., Can., N. Scotia, Pa., Col.
	761. <i>falcatum Myrin.</i> ,	Catskill Mts., N. E., Br. Am.
	762. <i>pallescens Br. Eu.</i> ,	N. Y., N. E., N. Bruns'k, Br. Am.
	763. <i>*subulatum Myrin.</i> ,	La.
	764. <i>uncinatum Mitt.</i> ,	Pac. Coast.
	765. <i>*cylindrocarpum Aust.</i> ,	Oregon.

Tribe II. NECKERACEÆ.

Family I. CRYPHÆEÆ.

111. CRYPHÆA Mohr.
- | | | |
|------|--|-----------------|
| 766. | <i>glomerata</i> Sch., | N. J., So. Sts. |
| | " var. <i>pendula</i> (<i>C. pendula</i> L. & J.), | Fla. |
| 767. | <i>nervosa</i> H. & W., | So. Sts. |
| 768. | <i>Ravenellii</i> Aust., | Ga. |
| 769. | <i>Schiedeana</i> C. M., | Mex. |
| 770. | <i>reticulata</i> Besch., | Mex. |
| 771. | <i>nitidula</i> Sch., | Mex. |
| 772. | <i>cuspidata</i> Sch., | Mex. |
| 773. | <i>leptophylla</i> Sch., | Mex. |
| 774. | <i>pinnata</i> Sch., | Mex. |
| 775. | <i>Orizabæ</i> Sch., | Mex. |
| 776. | <i>filiformis</i> Brid., | Mex. |
| 777. | <i>pachycarpa</i> Sch., | Mex. |
| 778. | <i>patens</i> Hornsch., | Mex. |
| 779. | <i>polycarpa</i> Sch., | Mex. |
| 780. | <i>Sartorii</i> Sch., | Mex. |
| 781. | <i>intermedia</i> C. M., | Mex. |
| 782. | <i>decurrens</i> C. M., | Mex. |
| 783. | <i>attenuata</i> Sch., | Mex. |
112. ACROCRYPHÆA Sch.
- | | | |
|------|-----------------------|------|
| 784. | <i>Mexicana</i> Sch., | Mex. |
|------|-----------------------|------|
113. DENDROPOGON Sch.
- | | | |
|------|------------------------|------|
| 785. | <i>rufescens</i> Sch., | Mex. |
|------|------------------------|------|

Family II. LEPTODONTEÆ.

114. LEPTODON Mohr.
- | | | |
|------|------------------------------------|------------------------------|
| 786. | <i>trichomitrium</i> Mohr, | No. and East. U. S., Br. Am. |
| | " var. <i>immersus</i> S. & L., | O., So. Sts. |
| 787. | <i>Ohioensis</i> Sull., | O., Ind. |
| 788. | <i>nitidus</i> Lindb.f., | Can. |
| 789. | <i>circinatus</i> Sull., | Cal. |
115. ALSIA Sull.
- | | | |
|------|---------------------------------|-------------|
| 790. | <i>Californica</i> H. & A., | Pac. Coast. |
| 791. | <i>longipes</i> S. & L., | Pac. Coast. |
| 792. | <i>abietina</i> (Hook.), Sull., | Pac. Coast. |

Family III. NECKEREÆ.

116. PHYLLOGONIUM *Brid.*
793. *viride Brid.*, Mex.
117. NECKERA *H.*
 A. Capsule immersed.
794. *pennata Hedw.*, Atl. and West. Sts., Col., Mex.
795. *oligocarpa Br. Eu.*, N. E., N. Y., Col., N. Mex., Br. Am.
796. *Menziesii Hook.*, Pac. Coast.
797. *Douglasii Hook.*, Pac. Coast.
798. *undulata Hedw.*, Mex., Fla.
799. *disticha Hedw.*, Fla., Mex.
800. *chlorocaulis C. M.*, Mex.
801. *Ehrenbergii C. M.*, Mex.
802. *Hornschuchiana C. M.*, Mex.
803. *angustifolia C. M.*, Mex.
804. *leptophylla Sch.*, Mex.
805. *Liebmanni Sch.*, Mex.
806. *pachycarpa Sch.*, Mex.
807. *Orbignyana Ltz.*, Mex.
 B. Capsule exerted.
808. *complanata Hedw.*, N. E., Pa., Tenn.
809. *pumila Hedw.*, N. Am.
810. *urnigera C. M.*, Mex.
811. *orthorrhyncha Besch.*, Mex.
812. *microcarpa Sch.*, Mex.
813. **Caloosiensis Aust.*, Fla.
118. HOMALIA *Brid. (Omalia.)*
814. *trichomanoides (Schreb.)*, N. E. and Mid. Sts., Br. Am.
815. *gracilis Jas.*, N. Y., N. J.
816. *obtusata Mitt.*, Br. Columb.
817. *glabella Brid.*, Mex.
818. *Mohriana C. M.*, Mex.
819. *penduliramea C. M.*, Mex.

Family IV. PILOTRICHEÆ.

119. PILOTRICHELLA *C. M.*
 A. Orthostichella.
820. *Ludovicicæ C. M.*, Gulf Sts.
821. *tetragona C. M.*, Mex.
822. *rigida C. M.*, Mex.
823. *cymbifolia (Sull.)*, Fla.

824. *imbricata* Schwg., Mex.
 825. *pulchella* Sch., Mex.
 826. *Mexicana* Sch., Mex.
B. Eupilotrichella.
 827. *cochlearifolia* C. M., Mex.
 " var. *flagellifera*, Mex.
 828. *turgescens* C. M., Mex.
 829. *nigricans* Nees, Mex.
C. Papillaria.
 830. *capillaris* C. M., Mex.
 831. *Deppii* Hornsch., Mex.
 832. *consanguinea* Hpe., Mex.
 833. *Dubyana* Hpe., Mex.
 834. *subulifolia* Sch., Mex.
 835. *nigrescens* C. M., Mex.
 836. *imponderosa* Tayl., Mex.
 837. *longifolia* Sch., Mex.
 838. *illecebra* C. M., Mex.
 839. *teres* Mitt., Mex.
 840. *sinuata* C. M., Mex.
D. Meteoridium.
 841. *remotifolia* Hornsch., Mex.
 842. *salvatorica* Angst., Mex.
120. *METEORIUM* Brid.
 843. *pendulum* Sull., La., Mex.
 844. *nigrescens* (Swartz,) Fla., Mex.
 845. *patulum* C. M., Mex.
 846. *tenue* Sch., Mex.
 847. *diversifolium* Besch., Mex.
 848. *dicladus* Sch., Mex.
 849. **Joorii* Aust., La.
121. *CALLICOSTA* C. M.
 850. *delicatula* Besch., Mex.
122. *PTEROBRYUM* Hornsch.
 851. *densum* Hornsch., Mex.

Family V. LEUCODONTEÆ.

123. *LEUCODON* Schwg.
 852. *julaceus* (Hedw.) Schwg., East. U. S.
 853. *brachypus* Brid., Mid. Sts., Can.
 854. *Domingensis* Spreng., Fla.

124. *PTEROGONIUM Swartz*,
 855. *gracile Swartz*, Pac. Coast.
 " *var. duplicato-serratum Hpe.*, Oregon.
 856. *brachypterum Mitt.*, Br. Am.
125. *ANTITRICHIA Brid.*
 857. *curtipendula Brid.*, Br. Am., Pac. Coast, N. C.
 " *var. gigantea*, Br. Am., Pac. Coast.
 858. *Californica Sull.*, Br. Am., Pac. Coast.
126. *ASTRODONTIUM Schw.*
 859. *cryptotheca Hpe.*, Mex.
 860. *curvirostre Hpe.*, Mex.
 861. *tenue Besch.*, Mex.
 862. *submersum Hpe.*, Mex.
127. *PRINODON C. M.*, Mex.
 863. *densus C. M.*, Mex.
128. *CRYPTOTHECA Hornsch.*, Mex.
 864. *cochlearifolia Hornsch.*, Mex.

Tribe III. DALTONIACEÆ.

Family I. DALTONIÆÆ.

129. *DALTONIA H. & T.*
 865. *splachnoides H. & T.*, Mex.
 866. *crispata Hornsch.*, Mex.
130. *LEPIDOPILUM Brid.*
 867. *Deppeanum C. M.*, Mex.
 868. *subenerve Brid.*, Mex.
 869. *Decaisnei Besch.*, Mex.
 870. *nitidum Besch.*, Mex.
 871. *apophysatum Hpe.*, Mex.
 872. *piliferum Besch.*, Mex.
 873. *Mohrianum C. M.*, Mex.
 874. *genuflexum C. M.*, Mex.
 875. *falcatum C. M.*, Mex.
131. *HOOKERIA Tayl.*
 876. *acutifolia Hook.*, O., Alleg'y Mts., N. C., Cal.
 877. *varians Sull.*, Fla.
 878. *albicans Hook.*, Mex.
 879. *Liebmanni Sch.*, Mex.
 880. *cruceana Duby.*, Mex., Fla.

881. *scabriseta* Hook., Mex.
 882. *ciliata* Sch., Mex.

Tribe IV. FABRONIACEÆ.

Family I. FABRONIÆÆ.

132. *FABRONIA Raddi*.
 883. *Wrightii* Sull., Tex., Col.
 884. *pusilla* Raddi., S. Car., Pac. Coast.
 885. *Ravenelii* Sull., S. Car.
 886. *gymnostoma* S. & L., N. Mex., Tex., Ill.
 887. *Carolina* S. & L., S. Car.
 888. *Donnellii* Aust., Fla.
 889. *octoblepharis* (Sch.), N. J., Ind.
 890. *Hampeana* Sond., Mex.
 891. *polycarpa* Hook. (*F. flavinervis* C. M.), Mex.
 " var. *patens*, Mex.
 892. *flavinervis* C. M., Mex.
133. *CLASMATODON* H. & W.
 893. *parvulus* (Hpe.) H. & W., So. Sts., Ind., Ill.
 " var. *rupestris*, N. J., So. Sts.
134. *ANACAMPTODON* Brid.
 894. *splachnoides* Brid., Can. to Gulf Sts.

Family II. MYRINIÆÆ.

135. *MYRINIA* Sch.
 895. *pulvinata* B. & S., Can., Br. Columb.

Tribe V. LESKEACEÆ.

Family I. RHEGMATODONTEÆ.

136. *RHEGMATODON* Brid.
 896. *filiformis* Sch., Mex.
 897. *hypnoides* Sch., Mex.
 898. *fusco-luteus* Sch., Mex.

Family II. LESKEÆÆ.

137. *MYURELLA* Sch.
 899. *Careyana* Sull., N. E. and Mid. Sts., Can.

900. *julacea* Villars, N. Y., N. J., Can., Rky. Mts.
 901. *apiculata* Hub., Br. Am.
138. *LESKEA* Hedw.
 902. *denticulata* Sull., East., Mid. and West. Sts., Ala., La.
 903. *Austini* Sull., Pa., N. J., Ill.
 904. *polycarpa* Ehr., U. S., Br. Am.
 905. *obscura* Hedw., U. S., Br. Am.
 906. *nervosa* Myrin., N. Y., Wht. Mts., Br. Am., Col.
 907. **microcarpa* Sch., Ala.
 908. *circinalis* Hpe., Mex.
 909. *Mexicana* Besch., Mex.
 910. *cæspitosa* Brid., Mex.
 911. **Wollei* Aust., N. Y. and West'd.
139. *THELIA* Sull.
 912. *hirtella* Hedw., East. U. S.
 913. *asprella* (Sch.), East. U. S.
 914. *Lescurii* Sull., N. J., Pa., So. Sts.
 915. **robusta* Duby, Fla.
140. *ANOMODON* H. & T.,
 916. *rostratus* (H.) Sch., East. Mid. and West. Sts., Br. Am.
 917. *tristis* H. & T., Throughout U. S.
 918. *attenuatus* Hartm., East. Mid. and West. Sts., Br. Am.
 919. *obtusifolius* Br. Eu., East. Mid. and West. Sts., Br. Am.
 " var. *fragilis*, N. J., Pa.
 920. *apiculatus* B. & S., East., Mid. and West. Sts., Br. Am.
 921. *viticulosus* (L.) H. & T. East., Mid. and West. Sts., Br. Am.
 922. *Toccoæ* S. & L., Ga., La.
 923. *Californicus* Lx., Cal.
141. *HELICODONTIUM* Schwg.,
 924. *tenuirostre* Schwg., Mex.
142. *HAPLOHYMENIUM* Dz. & Molk,
 925. *densum* Sch., Mex.

Family III. PSEUDOLESKEÆ.

143. *PSEUDOLESKEA* B. & S.
 926. *atrovirens* Dicks., N. E., Br. Am.
 " var. *brachyclados*, Col.
 927. *tectorum* Braun, (*Hyp. dimorphum* Brid.), Wht. Mts.
 928. *prælonga* Sch., Mex.
 929. *subcatenulata* Sch., Mex.

Family IV. THUIDIÆ.

144. HETEROCLADIUM *Br. Eu.*,
 930. heteropterum *B. & S.*, Br. Am.
 931. procurrens *Mitt.*, Br. Am.
145. THUIDIUM *Sch.*,
 932. pygmæum *Br. Eu.*, Mid. Sts., O.
 933. minutulum *Hedw.*, Atl. Sts. and West'd, Gulf Sts., Mex.
 934. *Alleni Aust.*, N. J.
 935. gracile *B. & S.*, West. N. Y., Pa. to Br. Am.
 " var. *Lancastriense* N. Y., N. J., Pa., O.
 " " *Ravenellii*, S. Car., Gulf Sts.
 936. æstivale *Aust.*, N. E., Mid. Sts.
 937. delicatulum *Hedw. (tamariscinum)*, Br. Am. to Fla., Mex.
 " var. *Mexicanum*, Mex.
 938. recognitum *Hedw. (delicatulum of Am. authors.)*, N. J., Pa. to {
 " Br. Am. }
 939. calyptratum *Sull.*, Cal.
 940. Whippleanum *Sull.*, Cal.
 941. remotifolium *Grev.*, No. West. Am.
 942. crispifolium *Hook.*, Br. Am.
 943. leuconeuron *S. & L.*, Cal.
 944. abietinum (*L.*), No. and East. U. S., Br. Am.
 945. Blandowii *W. & M.*, No. and East. U. S., Col., Pac.
 946. paludosum (*Sull.*), No. and East. U. S., Col.
 947. Virginianum *Sch.*, Mex.
 948. glaucescens *Sch.*, Mex.
 949. Schiedeanum *C. M.*, Mex.
 950. Schlumbergeri *Sch.*, Mex.
 951. tomentosum *Sch.*, Mex.
146. RAUIA *Aust.*
 952. scita *Aust. (Hypnum scitum Beauv.)*, N. J., O.

Tribe VI. HYPNACEÆ.

Family I. PTRIGYNANDREÆ.

147. PTRIGYNANDRUM *Hedw.*
 953. filiforme *Hedw.*, N. E., Mid. Sts., Br. Am., Pac.
 954. Domingense *Spreng.*, Mex.

Family II. ORTHOTHECIEÆ.

148. PLATYGRIMUM *B. & S.*
 955. repens *Br. Eu.*, No. and East. U. S., Br. Am.

149. PYLAINIA *Sch.*
 956. intricata (*H.*) *Sch.*, No. and East. U. S., Col., Br. Am
 957. velutina *Br. Eu.*, N. J. to Can.
 958. *heteromalla *Mitt.*, Br. Am.
 959. polyantha (*Schreb.*), Col., Br. Am.
 " var. Jamesii (*S. & L.*), N. E.
 " subdenticulata (*Sch.*), N. J. to O.
 960. falcata *Sch.*, Mex.
 961. subfalcata *Sch.*, Mex.

Family III. LINDIGIÆ.

150. LINDIGIA *Hpe.*
 962. tenella *Hpe.*, Mex.

Family IV. CYLINDROTHECIÆ.

151. CYLINDROTHECIUM *Sch.*
 963. sedutrix (*Hedw.*), East. U. S., Gulf Sts., East. Br. Am.
 964. cladorrhizans *Hedw.*, East. U. S., Gulf Sts.
 965. brevisetum (*Wils.*) *Br. Eu.*, N. J. to Mo., Can.
 966. compressum (*Hedw.*), Pa. to Mo.
 967. Sullivantii (*C. M.*), Tex., N. Car.
 968. Drummondii *Br. Eu.*, So. Sts.
 969. concinnum (*D. N.*), Col.
 970. polycarpum *Sch.*, Mex.
 971. brevirostre *Sch.*, Mex.
 972. abbreviatum *Sch.*, Mex.
 973. brevipes *Sch.*, Mex.
 974. stenocarpum *Sch.*, Mex.
 975. complanatum *Sch.*, Mex.
 976. Orizabanum *Sch.*, Mex.
 977. nitens *Sch.*, Mex.
 978. subsecundum *Sch.*, Mex.
 979. aurescens *Sch.*, Mex.
 980. Mechoacanum *C. M.*, Mex.
 981. neglectum *C. M.*, Mex.
 982. distans *C. M.*, Mex.
 983. cochleatus *C. M.*, Mex.
152. ROZEA *Besch.*
 984. chrysea *Besch.*, Mex.
 985. Bourgæana *Besch.*, Mex.

986. *subjulacea Besch.*, Mex.
 987. *viridis Besch.*, Mex.
 988. *Schimperi Besch.*, Mex.
 989. *stricta Besch.*, Mex.
 990. *Andrieuxii Besch.*, Mex.
153. **LEPTOHYMENIUM Schwg.**
 991. *myuroides Sch.*, Mex.
 992. *longisetum Hpe.*, Mex.
 993. *cyliandrocaule Hpe.*, Mex.
 994. *affine Sch.*, Mex.
 995. *julaceum Sch.*, Mex.
 996. *Bonplandi Besch.*, Mex.
 997. *patulum (L.?) Sch.*, Mex.
154. **POBOTRICHUM Brid.**
 998. *Mexicanum Sch.*, Mex.
155. **CLIMACIUM W. & M.**
 999. *dendroides (D.) W. & M.*, N. Y., N. J., Br. Am.
 1000. *Americanum Brid.*, U. S., Br. Am.
 " var. *fluitans*, Mid. Sts.
 1001. *Ruthenicum (C.?) Wein.*, Alaska.
156. **ISOTHECIUM Brid.**
 1002. *stoloniferum Hook.*,
 " var. *speculiferum Mitt.*, Br. Am.
 " " *acuticuspis Mitt.*, Pac. Coast.
 1003. **Breverianum Lx.*, Pac. Coast.
 1004. **aggregatum Mitt.*, Pac. Coast.
 1005. **aplocladum Mitt.*, Pac. Coast.
 1006. **lentum Mitt.*, Pac. Coast, Col.
157. **ORTHOTHECIUM Sch.**
 1007. *rufescens (Dicks.)*, Arc. regions.
 1008. *chryseum (Schwg.)*, Br. Am., Col.
 1009. *rubellum (Mitt.)*, Rky. Mts., Arc. regions.
158. **HOMALOTHECIUM Sch.**
 1010. *subcapillatum (Hedw.)*, East. U. S.
 1011. *pseudosericeum C. M.*, Oregon.

Family V. CAMPTOTHECIE.E.

159. **CAMPTOTHECIUM Sch.**
 1012. *æneum Mitt.*, Br. Columb.

1013. *nitens* (Schreb.), No. and Mid. Sts., Br. Am., Col
 1014. *pinnatifidum* S. & L., Pac. Coast.
 1015. *megaptilum* S. & L., Oregon.
 1016. *lutescens* Hedw., Pac. Coast.
 1017. *Nuttallii* Wils., Pac. Coast.
 " var. *stoloniferum*, Pac. Coast.
 1018. *arenarium* Lx., Pac. Coast.
 1019. *Nevadense* Lx., Pac. Coast.
160. **PTYCHODIUM** Sch.
 1020. *radicosum* Mitt., Br. Am.
161. **BRACHYTHECIUM** Sch.
A. pedicel smooth.
 1021. *lætum* Brid., U. S., Br. Am.
 1022. *albicans* Neek, Br. Am., Columb.
 1023. *acuminatum* (Beauv.), N. E., Mid. and West. Sts., Br. Am.
 " var. *rupinicolum*, O., Rky. Mts.
 " " *setosum* (L. *setosa* Hedw.), East. U. S.
 1024. *salebrosum* (Hoffm.), U. S., Br. Am.
 " var. *Texanum*, Texas.
 1025. *acutum* Mitt., N. E. and Mid. Sts., O., Can., Br. Columb.
 1026. *Utahense* Jas., Utah, Col.
 1027. *Hillebrandii* Lx., Cal.
 1028. *collinum* Schl., Br. Am., Col., Cal.
B. pedicel rough.
 1029. *campestre* (Bruch), N. Bruns'k to Mid. Sts.
 1030. *rutabulum* (L.), East. and No. U. S., Br. Am.
 1031. *rivulare* (Bruch), East. and No. U. S., Br. Am.
 1032. *Starkii* (Brid.), East. and No. U. S., Br. Am.
 1033. *velutinum* (L.), East. and No. U. S., Br. Am., Col.
 1034. *plumosum* (Swartz), East. and No. U. S., Br. Am., Col.
 " var. *populeum* (H. *populeum* Hedw.), N. E. to O., {
 Sierra Nev. Mts. }
 " " *homomallum*, N. C.
 1035. *Novæ Angliæ* S. & L., N. E. to Ill. and So'd.
 " var. *rupestre*, Mid. Sts.
 1036. *reflexum* Br. Eu., N. E. to Pa., Can.
 " var. *micropus* Aust. (*B. micropus* Sch.), Owen Sud.
 1037. *Fendleri* Sull., N. Mex., Col.
 1038. *asperrimum* Mitt., Br. Am., Pac.
 1039. **declivum* Mitt., Br. Am., Pac.
C. subgenus uncertain.
 1040. *Bolanderi* Lx., Cal.
 1041. *biventosum* C. M., La., Fla.
 1042. **œdipodium* Mitt., Br. Am.

1043. *frigidum* C. M., Mex.
 1044. *Donnellii* Aust., Fla.
 1045. *flexiventrosus* C. M., Mex.
 1046. *cladoneuron* C. M., Mex.
 1047. *comatifolium* C. M., Mex.
 1048. *brunneo-alare* C. M., Mex.
162. *SCLEROPODIUM* Sch.
 1049. *illecebrum* Schwg., Cal.
 1050. *cæspitosum* Wils., Br. Am., Cal.
 1051. *Californicum* Lx., Cal.
163. *EURYNCHIUM* Sch.,
A. pedicel smooth.
 1052. *mysuroides* L., Pacific.
 1053. *Bosicii* Schwg., N. E., Mid. and West. Sts.
 1054. *strigosum* (Hoffm.), N. E., Mid. and West. Sts., Br. Am., Pac.
 1055. **diversifolium* (Sch.), N. E., Mid. and West. Sts., Br. Am., Pac.
 1056. *Mexicanum* Besch., Mex.
B. pedicel rough.
 1057. *Sullivantii* (R. Spruce), N. E., Mid. and West. Sts., Can.
 1058. *hians* (Hedw.), N. E., Mid., West. and Gulf Sts., Br. Am.
 1059. *piliferum* (Schreb.), N. E. to Pa., and O., Br. Am.
 1060. *Stokesii* (Turn.), N. E., Br. Am., Pac. Coast.
 1061. *colophyllum* Sull., Cal.
 1062. *Oreganum* Sull., Br. Am., Pac. Coast.
 1063. **velutinoides* (Br.), Palisades.
 1064. *pumilum* Wils. (*Hyp. tenellum*), Wht. Mts., Heldbg. Mts., Del. {
 Water Gap. }
164. *RHYNCHOSTEGIUM* Sch.
 1065. *deplanatum* (Sch.), No. and East. U. S., Br. Am.
 1066. *serrulatum* (Hedw.), No. and East. U. S., Br. Am.
 1067. *rusciforme* (Weis), No. and East. U. S., Br. Am., Pac. Coast.
 1068. *subrusciforme* C. M., Mex.
 1069. *expallescens* C. M., Mex.
 1070. *leptomerocarpum* C. M., Mex.
 1071. *demissum* Wils., N. Mid. and West. Sts.
 " *var. Marylandicum*, N. E. and So. Sts., and Mts.
 " *var. Carolinianum*, Ga., N. and S. Car.
 1072. *microcarpum* C. M., O., Mid. and So. Sts., Br. Am.
 " *var. anisocarpem* (H. adinistum), N. J. to Fla., O.
 1073. *recurvans* Schwg. (*R. delicatulum* Jas.), N. E., Mid. and West. {
 Sts., Br. Am., Mex. }
 1074. *cylindrocarpum* C. M., Br. Am., N. J. to O., and So. along {
 Alleg'y Mts. to Ga. }

- chrysophyllum* var. *rupestre*, Appalachian.
 " " *stelloides*, Appalachian.
 " " *uncinifolium*, Appalachian.
 1121. *stellatum* Schreb., N. E., Mid. and West. Sts., Br. Am.
 " var. *protensum*, Mid. Sts., Br. Am.
 1122. *polygamum* (Sch.), N. Y., N. J.
C. Harpidium Sull.
 1123. *aduncum* Hedw., East., Mid. and West. Sts., Pac. Coast.
 " var. *Kneiffi*, Appalachian, Br. Am., Rky. Mts.
 " " *polycarpum*, Col.
 " " *gracilescens*, U. S.
 " " *giganteum*, N. E., N. J., Minn.
 " " *tenue*, Col.
 1124. *vernicosum* Lindbg., N. Y., N. J., Br. Am.
 1125. *exannulatum* Gumb., N. Bruns'k, Can., Mid. Sts., Rky. Mts.
 1126. *fluitans* (L.), East., Mid. and West. Sts., Col., Br. Am.
 1127. *uncinatum* Hedw., East., Mid. and West. Sts., Pac. Coast, Br. }
 Am., G'land. }
 1128. *Jamesii* Aust., Wht. Mts.
 1129. *hamifolium* Sch., Conn.
 1130. *Sendtneri* Sch., N. Y., Can., O.
 1131. *subpungens* C. M., Mex.
D. Cratoneuron Sull.
 1132. *filicinum* L., N. E., Mid. and West. Sts., Br. Am.
 1133. *commutatum* Hedw., N. Y., Can., Col.
 " var. *falcatum*, Rky. Mts.
E. Rhytidium Sull.
 1134. *rugosum* Ehr., N. E., Mid. and West. Sts., Br. Am.
 1135. *robustum* Hook., Pac. Coast.
F. Calliergon.
 1136. *cordifolium* Hedw., U. S., Br. Am., G'land.
 1137. *giganteum* Sch., N. Y., O., Wis., Col., Br. Am., Pac. Coast.
 1138. *cuspidatum* L., U. S., Br. Am.
 1139. *Schreberi* Willd., U. S., Br. Am., G'land.
 1140. *stramineum* Dicks., Throughout Br. Am., and in Mts. So. G'land.
 1141. *sarmentosum* Wahl., N. E., G'land.
 1142. *trifarium* W. & M., Br. Am., O.
 1143. *Richardsoni* Mitt., Br. Am., G'land.
G. Hypnum.
 1144. *molluscum* Hedw., N. E., Mid. and West. Sts., Br. Am., Col.
 1145. *Vaucherii* Lr., Br. Am.
 1146. *cupressiforme* L., Appalachian, Col.
 " var. *filiforme*, Col.
 " " *resupinatum*, N. J.

1147. imponens *Hedw.*; N. E., Mid. and West. Sts., Br. Am.
 1148. subimponens *Lx.*, (*S. plumifer* *Mitt.*), Pac. Coast.
 1149. pallescens (*Hedw.*) *Br.* (*H. reptile* *Mx.*), U. S., Br. Am.
 " var. protruberans (*Brid.*) *Lindbg.* (*R. Jamesii* *Sull.*)
 Icon., (*H. kamulosum* *S. & L.*), (*H. pallescens* *Musci*)
 Appalach., (*H. depressulum* *C. M.*), U. S., Br. Am.)
 " " viride *Aust.*, N. E., Pa., Can.
 1150. fertile *Sendt.*, No. Sts., Br. Am., Col., Br. Columb.
 1151. curvifolium *Hedw.*, N. E., Mid. and West. Sts., Br. Am.
 " var. australe *Aust.*, N. J., So. Sts.
 1152. Haldanianum *Grev.*, N. E., Mid. and West. Sts., Br. Am.
 1153. nemorosum *Koch.*, Pa., Va., No. and So. Car.
 1154. pratense *Koch.*, N. E., Mid. and West. Sts., Br. Am.
 1155. circinale *Hook.*, Br. Am., Pac. Coast.
 1156. *circulare *Hook.*, Arc. regions.
 1157. *complexum *Mitt.*, Br. Am.
 1158. Wrightii *Sull.*, Tex., N. Mex., Fla.
 1159. plicatile *Mitt.* (*H. Watsoni* *L. & J.*), Col., Utah, Br. Am., Arc. reg.
 H. Scorpidium *Br. Eu.*
 1160. scorpioides *Dill.*, O., Br. Am.
 I. Ptilium *Sull.* (*Ctenium* *Br. Eu.*).
 1161. Crista-castrensis *L.*, No. and East. U. S., Br. Am.
 J. Limnobium *Br. Eu.*
 1162. obtusifolium *W. & M.*, Br. Am.
 1163. palustre *L.*, N. J. to Can., Col.
 1164. arcticum *Somf.*, Br. Am., lky. Mts., Pac. Coast.
 1165. molle *Dicks.*, N. Y., N. J., N. Car., Col., Br. Am.
 1166. ochraceum *Br. Eu.*, No. and East. U. S., Col., Br. Am.
 1167. alpestre *Swartz.*, Br. Am.
 1168. eugyrium *Sch.*, N. E., N. Y., Pa., Tenn., Col., Br. Am.
 1169. montanum *Wils.*, Wht. Mts.
 1170. Closteri *Aust.*, N. Y., N. J.
K. subgenus uncertain.
 1171. Reichenbachii *Lorentz.*, Mex.
 1172. occidentale *S. & L.*, Oregon.
 1173. homalostegium *C. M.*, Ala.
 1174. thelistegium *C. M.*, Fla., Mex.
 1175. aluminicolum *C. M.*, Mex.
 1176. affine *Hook.*, Mex.
 1177. Mohrianum *C. M.*, Mex.
 1178. LeJolisii *Besch.*, Mex.
 1179. pendulinum *Hpe.*, Mex.
 1180. Salleanum *Besch.*, Mex.
 1181. duriusculum *Sch.*, Mex.
 1182. planum *Brid.*, Fla.

1183. *Caloosiensis Aust.*, Fla.
 1184. *divaricatissimum C. M.*, Mex.
 1185. *Miradericum C. M.*, Mex.
 1186. *Cordovense C. M.*, Mex.
 1187. *cæspitosum Lev.*, Mex.
 1188. *Coloradense Aust.*, Col.
 1189. *radiculosum C. M.*, Mex.
169. *HYLOCOMIUM Br. Eu., (Pleurozium Sull.)*
1190. *splendens Hedw.*, U. S., Br. Am.
 1191. *brevirostre Ehr.*, U. S., Br. Am.
 1192. *triquetrum (L.)*, U. S., Br. Am.
 1193. *squarrosum L.*, Me., N. H., N. Y., Pa.
 1194. *Oakesii Sull.*, Through't Br. Am., Mts. N. E., N. Y., S. Car.
 1195. *umbratum Ehr.*, Br. Am., Mts. N. E., N. Y., Pa.
 1196. *loreum Dill.*, Pac. Coast
 1197. *Ehrenbergianum C. M.*, Mex.
 1198. *Flemingii Aust.*, Vanc'r I.
 1199. *Alaskanum S. & L.*, Alaska.

Family VII. HYOPTERIGIACEÆ.

170. *HELICOPHYLLUM Brid.*
1200. *torquatum Brid.*, Mex.
171. *HYOPTERIGIUM Brid.*
1201. *tamarisci Brid.*
1202. *pseudotamariscinum C. M.*, Mex.
 1203. *incrassato-limbatum C. M.*, Mex.
172. *RHACOPILUM Brid.*
1204. *tomentosum Brid.*, Mex., La.
 " var. *gracile*, Mex.
 1205. *angustatum Sch.*, Mex.

BRYINÆ ANOMALÆ.

Order I. HOLOCARPÆ.

Tribe I. ARCHIDIACEÆ.

173. *ARCHIDIUM Brid.*
1206. *Ohioense Sch.*, N. J. to O., S. Car., Ala., W. Fla.
 1207. *tenerrimum Mitt.*, Fla.
 1208. *Donnellii Aust.*, Md., Va., S. Car.

1209. *Lescurii Aust. (A. longifolium L. & J.)*, Fla., Ala., La.
 1210. *Hallii Aust.*, Tex.
 1211. *Ravenellii Aust.*, S. Car., Fla.

Order II. SCHIZOCARPÆ.

Tribe. ANDRÆACEÆ.

174. *ANDRÆA Ehr.*
 1212. *turgescens Sch.*, Mex.
 1213. *petrophila Ehr.*, Alleg'y Mts., Br. Am.
 1214. *rupestris Turn.*, Alleg'y Mts.
 1215. *crassinervia Bruch.*, Wht. Mts.

Order III. STEGOCARPÆ

Tribe. SPHAGNACEÆ.

175. *SPHAGNUM Dill.*
 1216. *Portoricense Hpe.*, So. N. J. to Fla.
 1217. *Austini Sull.*, Mass., N. J., Newfoundland.
 1218. *papillosum Lindbg.*, N. J. to Can.
 1219. *cymbifolium Ehr.*, Appalachian, Br. Am., Pac. Coast.
 " *var. pycnocladum*, Appalachian.
 " " *squarrosulum*, Appalachian.
 " " *condensatum*, Appalachian.
 1220. *rigidum (Nees.)*, Pa. to Ala., Br. Am., Pac. Coast.
 " *var. compactum*, East. U. S., Cal.
 " " *humile*, N. J. to Fla., Ala.
 " " *laxum Aust.*, Pa.
 1221. *molle Sull. (S. Mulleri Sch.)*, N. J. to Fla. and Ala.
 1222. *tenellum Ehr. (S. molluscum Bruch)*, N. Y., N. J., N. Bruns'k.
 1223. *acutifolium Ehr.*, Appalachian, Br. Am., Pac. Coast, G'land.
 " *var. tenellum*, Col.
 " " *confertum*, N. J., Ala.
 " " *purpureum*, Appalachian.
 " " *intermedium*, N. J., Can., N. Bruns'k.
 " " *rubellum*, N. J., Can., N. Bruns'k.
 " " *fuscum*, N. E., N. J., Can.
 " " *robustum*, N. J.
 1224. *fimbriatum Wils.*, Br. Am.
 1225. *strictum Lindbg. (S. Girgensohni Rus.)*, N. J., Pa., O., Can.
 1226. *teres Angstr.*, N. J., Br. Columb.
 1227. *squarrosum Pers.*, No. and Mid. Sts., and West'd, Ala., Br. {
 " *var. squarrosulum Lx.*, Am., G'land. }
 Cal.

1228. *Pylaesii* *Brid.*, N. H., N. Y., N. J., Newfound'd, S. Car.
 " var. *sedoides*, N. J., Newfound'd, S. Car.
1229. *cyclophyllum* *S. & L.*, N. Y., N. J., La., Ala.
1230. *laricinum* *Spruce*, (*S. neglectum* *Angs.*), N. J., O.
1231. *subsecundum* *N. & H.*, Atl. Sts., O., Br. Am., Cal.
 " var. *serratum* (*S. serratum* *Aust.*), Fla.
 " " *subsimplex* *Aust.*, Ala.
 " " *longifolium*, Cal.
 " " *Lescurii*, N. J., O., So. Sts.
 " " *obesum*, N. J.
1232. *Wulfianum* *Girgh.*, N. Y., Can.
1233. *cuspidatum* *Ehr.*, Can., N. E. Sts. to La.
 " var. *laxifolium*, N. J.
 " " *Torreyanum*, N. J., Pa.
 " " *plumosum*, Can. and N. E. to La.
 " " *parvum*, N. J., N. Brnsw'k, Can.
 " " *intermedium* (*Hoffm.*) (*recurvans* *Bv.*), N. E. }
 to La., Can., Mich., G'land. }
 " " *Rauei* *Aust.*, Pa.
1234. *Mendocinum* *S. & L.*, Cal.
1235. *Lindbergii* *Sch.*, N. Y., Br. Am., G'land.
1236. *macrophyllum* *Bern.*, So. N. J. to Fla., Ala., Miss.
 " var. *Floridanum* *Aust.*, Fla.
1237. *Mexicanum* *Mitt.*, Mex.

INDEX GENERUM.

Genus.	Page.	Genus.	Page.		
Acrocryphæa.	112	32	Dicranum,	24	9
Alsia,	115	32	Dicranoweisia,	15	7
Amblyodon,	92	28	Didymodon,	47	14
Amblystegium,	167	44	Diphyscium,	108a	31
Amphoridium,	62	19	Discelium,	78	23
Anacamptodon,	134	36	Dissodon,	74	22
Andræa,	174	48	Distichium,	43	13
Angstroemia,	22	8	Drummondia,	64	19
Anodus,	35	12	Encalypta,	70	22
Anœctangium,	13	7	Entosthodon,	82	24
Anomodon,	140	37	Ephemerum,	1	5
Antitrichia,	125	35	Eurynchium,	163	42
Aphanorrhægma,	79	23	Eustichium,	44	13
Archidium,	173	47	Fabronia,	132	36
Astrodontium,	126	35	Fissidens,	33	11
Atrachylocarpus,	25	10	Fontinalis.	109	31
Atrichum,	104	29	Funaria,	83	24
Aulacomnion,	96	28	Glyphocarpa,	98	29
Barbula,	52	15	Glyphomitrium,	61	19
Bartramia,	97	28	Grimmia,	54	17
Bartramidula,	100	29	Gymnostomum,	12	7
Blindia,	37	12	Gyroweisia,	11	7
Brachythecium,	161	41	Haplohymenium,	142	37
Braunia,	58	19	Hedwigia,	56	18
Breutelia,	102	29	Hedwigidium,	57	18
Bruchia,	8	6	Helicodontium,	141	37
Bryum,	87	25	Helicophyllum,	170	47
Buxbaumia,	108b	31	Heterocladium,	144	38
Callicosta,	121	34	Holomitrium,	30	11
Calymperes,	49	15	Homalia,	118	33
Camptothecium,	159	40	Homalothecium,	158	40
Campylochætium,	28	10	Hookeria,	131	35
Campylopus,	27	10	Hylocomium,	169	47
Campylostelium,	38	12	Hymenostomum,	10	7
Catoscopium,	93	28	Hypnum,	168	44
Ceratodon,	39	12	Hypopterygium,	171	47
Cinclidium,	91	27	Isothecium,	156	40
Clasmatodon,	133	36	Lepidopilum,	130	35
Climacium,	155	40	Leptobryum,	85	24
Conomitrium,	34	12	Leptodon,	114	32
Conostomum,	99	29	Leptohymenium,	153	40
Coscinodon,	59	19	Leptotrichum,	41	13
Cryphæa,	111	32	Leskea,	138	37
Cryptotheca,	128	35	Leucobryum,	31	11
Cylindrothecium,	151	39	Leucodon,	123	34
Cynodontium,	18	8	Lindigia,	150	39
Daltonia,	129	35	Macromitrium,	65	20
Dendropogon,	113	32	Meesea,	94	28
Desmatodon,	51	15	Mielichhofsia,	84	24
Dichelyma,	110	31	Meteorium,	120	34
Dichodontium,	19	8	Microdus,	21	8
Dicranella,	23	8	Micromitrium,	66	20
Dicranodontium,	26	10	Mnium.	90	27

Genus.	Page.		Genus.	Page.	
Myrinia,	135	36	Rauia,	146	38
Myurella,	137	36	Rhacopilum,	172	47
Nanomitrium,	2	5	Rhabdoweisia,	17	7
Neckera,	117	33	Rhegmatodon,	136	36
Octoblepharum,	32	11	Rhizogonium,	89	27
Oligotrichum,	105	30	Rhynchostegium,	164	42
Oreoweisia,	16	7	Rozea,	152	39
Orthothecium,	157	40	Schistostega,	73	22
Orthotrichum,	69	20	Scleropodium,	162	42
Paludella,	95	28	Schlotheimia,	67	20
Pharomitrium,	45	13	Scouleria,	53	17
Phascum,	5	5	Seligeria,	36	12
Philonotis,	101	29	Sphærangium,	4	5
Phyllogonium,	116	33	Sphagnum,	175	48
Physcomitrella,	3	5	Splachnum,	77	23
Physcomitrium,	81	23	Sporledera,	7	6
Pilopogon,	29	11	Symblepharis,	42	13
Pilotrichella,	119	33	Syrrophodon,	50	15
Plagiothecium,	166	43	Systegium,	9	6
Platygium,	148	38	Tayloria,	75	23
Pleuridium,	6	6	Tetraphis,	71	22
Pogonatum,	107	30	Tetraplodon,	76	23
Polytrichum,	108	30	Tetrodontium,	72	22
Porotrichum,	154	40	Thamnum,	165	43
Pottia,	46	13	Thelia,	139	37
Prionodon,	127	35	Thuidium,	145	38
Pseudoleskea,	143	37	Timmia,	103	29
Psilopilum,	106	30	Trematodon,	20	8
Pterigynandrum,	147	38	Trichodon,	40	13
Pterobryum,	122	34	Trichostomum,	48	14
Pterogonium,	124	35	Ulotia,	68	20
Ptychodium,	160	41	Webera,	86	24
Ptychomitrium,	60	19	Weisia,	14	7
Pylaisia,	149	39	Zieria,	88	27
Pyramidula,	80	23	Zygodon,	63	19
Racomitrium,	55	18			

ADDITIONS AND CORRECTIONS.

- Sp. 11, for Br. Eu., read Hedw.
 " 12, add syn. (*S. triquetrum* Amer. authors).
 " 13, for C. M. read Schreb.
 " 15, to hab. add Pa.
 " 24, omit.
 " 26, add var. *microtheca* Aust., Va.
 " 30, omit Va.
 " 47, read *tophaceum*.
 " 54, *Breutelianum* B. & S.
 " 58, 1st var. omit ~~Col.~~
 " 58, 3d var. add syn. (*W. Wolfii* L. & J.)
 " 70, to 1st var. add N. Y., N. E.
 Gen. 19, read (*Dicranum*.)
 Sp. 72, for Rich. read Michx.
 Gen. 22, read *Angstroemia*.
 Sp. 83, to hab. add N. E.
 " 103, for S. & L. read Sull.
 " 108, for Sch. read Schwgr.
 " 111, for Lind. read Lindbg.
 " 128, for B. & S. read W. & S.
 " 139, read *Hellerianus*.
 After sp. 154 add sp. 154a, *gracilicaulis* Mitt. Fla.
 Sp. 156 and 165 omit.
 " 179, omit var.
 " 182, add syn. (*F. rupestris* Wils.), Mid. Sts.
 " 183, read *Bourgaeanus*.
 " 188, read *tristicha*.
 " 199, for Aust. read (Hedw.) Sch.
 " 202, for *tenuis* read *lineare* (Swartz.)
 " 216, for Sch. read Brid.
 " 222, 234 and 537, to hab. add Ill.
 " 225, omit.
 After sp. 261 add 261a, *crispum* Aust., Fla.
 Sp. 293, read *unguiculata*.
 " 299, to hab. add Br. Am.
 " 315, read *Orizabensis*.
 After sp. 329, add sp. 329a *squarrosa* Brid., Tenn.
 Sp. 338 and 364, for Ktz. read Kze.
 " 355, for B. & L. read B. & S.
 " 357, read *plagiopodia*.
 " 373, for Col. read Pac. Coast.
 " 376, for Mid. Sts. read Maine.
 " 383, to hab. add Br. Am.
 " 384, read *lanuginosum*.
 " 396, read *Andrieuxii*.
 " 421, read *Leiboldii*.
 " 444, for Hornsch. read Bruch.
 " 449, last var. omit Lake Ont.
 " 454, to hab. add Canada.
 Page 23, sp. Nos. read 518 and 519.
- Gen. 70, for Schrad. read Schreb.
 Sp. 491, fol. Cal. read Col.
 " 495, read *Selwynii*.
 Gen. 73, for Mohr. read Dicks.
 Sp. 499, for Froel. read Hedw.
 " 503, for (B. & S.) read (Hedw.)
 " 507, for B. & S. read (L.). Add Wht. Mts.
 " 509, for Hornsch. read Hornem.
 " 518, omit Fla.
 After sp. 522 add 522a, *latifolium* Brid., Col.
 Gen. 82, read *Entosthodon* Schwg.
 Sp. 529, for Wohl. read Wahl.
 " 532, read *flavescens*.
 Gen. 84, read *Mielichhoferia*.
 " 583, for hab. read N. J. to Fla.
 " 624, read *Didymodontium*.
 " 663, for Brid. read (Hedw.)
 " 681, to hab. add G'land.
 After sp. 684, add 684a, *Mohriana* C. M., La.
 Gen. 99, for Sw. read Swartz.
 Sp. 686, for Alleg'y read Wht.
 After sp. 687, add 687a, *Mexicana* Sch., Mex.
 After sp. 698, add 698a **calcareo* B. & S., N. E., Br.
 Am., N. C., Col. 698b, *Schlumbergeri* Sch., Mex.
 Gen. 103, for H. read Hedw.
 Sp. 714, read *aligerum*.
 " 719, for Mx., read Michx. Add Wht. Mts.
 Gen. 108, for L. read Dill.
 Sp. 752, for Fla. read to Ala.
 " 756, to hab. add Mex.
 After sp. 759 add Family II., *Dichelymeæ*.
 Sp. 766, to hab. add Conn.
 " 786, to hab. add Ala., La.
 " 787, read *Ohioense*.
 Gen. 117, for H. read Hedw.
 Sp. 811, read *orthorhyncha*.
 Gen. 127, read *Prionodon*.
 Sp. 889, for (Sch.) read (Schleich.)
 " 914, to hab. add Conn.
 " 934, for N. J. read Conn.
 " 944, to hab. add Col.
 After sp. 951, add 951a, *orthocarpum* Besch., Mex.
 Sp. 967, for Tex. read Tenn.
 " 993, read *cylindricaule*.
 " 1002, first var. read *spiculiferum*.
 " 1055, for (Sch.) read B. & S.
 " 1098, for (Dicks.) read (Hedw.)
 " 1098, to var. add syn. (*P. nitidulum* Wahl.)
 " 1101, for (Dill.) read (L.)
 " 1101, to last var. add syn. (*P. laetum* Sch.)

