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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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E. B. Chamberlain

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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. Peek, 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* *Hpe.*, N. E., Mid. Sts., O., Br. Am., Cal.
 2. *crassinervium* *Hpe.*, No. U. S.
 3. **hystrix* *Lindbg.*, N. J. to Fla.
 4. **papillosum* *Aust.*, N. J. to S. C.
 5. *cohaerens* *Hpe.*, O., Pa.
 6. **pallidum* *Sch.*, Ohio.
 7. *spinulosum* *B. & S.*, Common.

Family II. PHYSCOMITRELLÆ.

2. *NANOMITRIUM* *Lindbg.*, (*Micromitrium* and *Synpoma* *Aust.*)
 8. *tenerum* (*Bruch.*) *Lindbg.* (*megalosporum* *Aust.*), N. J., Pa.
 9. *Austini* (*Sull. Aust.*) *Lindbg.*, N. Y., N. J.
 10. *synoicum* (*Jas. Aust.*) *Lindbg.*, N. J., Pa.
3. *PHYSCOMITRELLA* *Sch.*
 11. *patens* *Br. Eu.*, Ohio

Tribe II. POTTIOIDEA.

Family I. PHASCACEÆ.

4. *SPILERANGIUM* *Sch.*
 12. *rufescens* *Jaeger.*, N. J. to S. C., O.
 13. *muticum* *C. M.*, N. Y., N. J., Pa., Ill., Cal.
 14. *Schimperianum* *Sull.*, Tex., Ill.
5. *PHASCUM* *L.*
 15. *cuspidatum* *Schreb.*, 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. PLEURIDIEÆ.

6. *PLEURIDIUM* Brid.
 18. *subulatum* (Schrch.), Lindb. (*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. *Sullivanii* Aust. (*P. nerrosus* Sull. Icon. non Hook), Pa. to S. C.

Family II. BRUCHIEÆ.

7. *SPORILEDERA* Hpe.
 22. *palustris* Sch. N. J., Mass., La.
 8. *BRUCHIA* Schwg.
A. Calyptra smooth.
 23. *Bolanderi* Lx., Cal.
 24. **Marylandica* Aust., Md.
 25. *flexuosa* Schwg. (Sull. Mosses), O. (?), Ill., So. Sts.
 26. *Sullivanii* 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. *Carolineæ* Aust., S. C.
 35. *Ravenelii* Wils., S. C. to Ala.
 36. **Schwagrigheni* Hpe., La.

Order II. STEGOCARPÆ.

Tribe I. WEISIACEÆ.

Family I. WEISIEÆ.

9. *SYSTEGIUM* Br. Eu.
 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., Ia.
 41. *erythrostegium* B. & S. (*S. Ludovicianum* Sull.) Ia.
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. (?), Gr. Am.
 " var. *perpusillum* Sull., Cal.
 45. *rupestre* Schleg., 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. *ANGECTANGIUM* Schleg.
 51. *Peckii* Sull., Catskill Mts.
 52. *Liebmanii* Sch., Mex.
 53. *apiculatum* Sch., Mex.
 54. *Brentilianum* 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. *Rauaei* Aust., Pa., Col.
 " " *Brandegei* Aust., Col.
 " " *Wolfii* L. & J., Ill.
 " " *australis* Aust. (*W. longisetula* L. & J.), Fla. to Tex.
 59. *mucronata* Bruch., Ill.
 60. *barbulacea* C. M., Mex.
15. *DICRANOWEISIA* Lindby. (*Weisia* Hedw.),
 61. *erispula* Hedw., Pac. Coast, Br. Am., G'land.
 62. *cirrhatula* Hedw., " " "
16. *OREOWEISIA* Sch. (*Weisia* Hedw.),
 63. *seriulata* 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 Ech., 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., Mx.
 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 Schweg. (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 Hedc.*
A. Fulvella.
 99. *fulvellum Dicks. (Arctoa).* N. Y., Wh. Mts., G'land.
B. Fulcata.
 100. *Starkii W. & M. (D. Blythii W. & M.).* Wht. and Adirond'k }
 Mts., Br. Am., G'land. }
 101. *cæspitans Sch.* Mex.
C. Orthocarpum.
 102. *montanum Hedc.*, Mid. Sts. and West'd, Br. Am.
 103. *viride S. & L. (strictum S. & L.).* N. & E. U. S., Br. Am., P. Cst.
 104. *flagellare Hedc.*, Mid. Sts., Br. Am., Mex.
 105. *albicans B. & S. (D. cævre Hedc.).* Pacific Coast.
 106. *fulvum Hook. (D. interruptum Br. Eu.).* No. & E. U. S., Br. Am.
 107. *longifolium Hedc.*, 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. *fragillifolium Lind.*, Br. Am.
 112. *scoparium L.*, U. S., Br. Am.
 var. orthophyllum. Appalachian, G'land.
 " *curvum.* "
 " *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 Schleg.*, Mid. Sts. to Cal., Br. Am.
 119. *spurius Hedc.*, Mid. Sts., Cal., Br. Am.
 var. (D. condensatum Hedc.). Mid. Sts. to Fla., Gulf Sts., }
 Br. Am. }
 120. *undulatum Voil.*, 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. *lophonenron* 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. *Chrismeri* C. M., "
139. *Hallerianus* Hpe., "
140. *Rauei* Aust., Colorado.
141. *Hallii* Lr., "
142. *frigidus* Lr., "
143. *Donnellii* Aust., Ala., Fla.
144. *gracilicaulis* Mitt., Fla., Mex.
145. *angustiretis* Aust., Fla.
146. *Virginicus* Aust., Va.
- Folia pilifera.*
147. *havigatus* Sch., Mex.
148. *lamellicosta* Sch., Mex.
149. *Liebmanni* Sch., Mex.
150. *Richardi* Schweg. (*C. nuprescens* Duby.), Mex.
151. *strictus* Sch., Mex.
152. *pilosissimus* Sch., Mex.
153. *luridus* Sch., Mex.
154. *introflexus* Hedw. (*C. polytrichoides* D. N., *C. leuotrichus* S. & L., *lutescens* Sch.), Ala.)
28. *CAMPYLOCHLETIUM* 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. *HOLOMITRUM* 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. *ineuvus* Schweg. (*F. limbatus* Sull.), Gulf Sts., Cal.
 var. *exiguus* (Sull.), Mid. Sts.
 " *synoiens* (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. *subereniatus* Sch., Mex.

B. Fruit axillary.

177. subbasilaris *Hedc.*, No. and Mid. Sts., Ohio, Ala.
 178. taxifolius *Hedc.*, 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 *Hedc.*, 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. SELIGERIACEÆ.

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. calcarea (*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. perichæialis *Sch.*, Mex.

40. *TRICHODON Sch.*199. *cylindricus Aust.*200. *nodulosus Aust.*Vanc't I.
N. Y., N. J.

Family II. LEPTOTRICHEÆ.

41. *LEPTOTRICHIUM Hpe. (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 (Hedw.)*, Mid. and E. Sts., Br. Am., Col.206. *Schimperi Lc.*, Pac. Coast.207. *heteromallum Lindb., (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. *Chrysomari 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. EUSTICHLACEÆ.

Family I. EUSTICHLÆ.

44. *EUSTICHIUM Brid.*215. *Norvegicum Br. En.*

O., Pa., Ky., Mex.

Tribe VII. POTTIACEÆ.

Family I. POTTIÆ.

45. *PHAROMITRIUM Sch.*216. *subsessile Sch.*, Br. Am., Col.217. *exiguum Aust.*, Tex., Ill.46. *POTTIA Ehrh.**A. Capsule gymnostomous or nearly so.*218. *cavifolia (Dicks.)*, Pac. Coast, Col.219. *minutula (Schweg.)*, 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. *Starkiana* (Hedw.), Pac. Coast.
 227. *latifolia* (Schw.), 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. *aeneus* 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. *dieranelloides* 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.

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

C. Tortula.

293. *ungiculata* Dill., No. and East. U. S., Ala.
 294. *fallax* Hedc., 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* Scheg., Br. Am.
 298. *convoluta* Hedc., var. *Americana* Aust., Mid. Sts., O., Br. Am., {
 Pac. }
 299. *caespitosa* Scheg., 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. *Rauei* 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. Cruegeri* Soud., *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. *aretocarpa* Lx., Pac. Coast.
 326. *virescens* Lx., Pac. Coast.
 327. *brachyphylla* Sull., Pac. Coast.
 328. *Bolanderi* Lx., Pac. Coast.
 329. *amplexa* Lx., Pac. Coast.
D. Syutrichia.
 330. *subulata* Brid. N. E. Sts., N. Y., Ill., Cal., Br. Am.
 " *var. subinermis*, Col.
 " " *mucronifolia* (*B. mucronifolia* Scheg.), N Y., O., {
 Br. Am., Col. }

331. *inermis* *Mont.*, Col., Pac. Coast.
 332. *laevipila* *Br. Eu.*, Pac. Coast, Br. Am.
 333. *latifolia* *Br. Eu.*, Pac. Coast.
 334. *ruralis* *Hede.*, Br. Am., Col., Tex.
 " *var. gigantea*, Pac. Coast.
 335. *papillosa* *Wils.*, N. E. to Fla.
 336. *Mulleri* *Bruch.*, Pac. Coast, Br. Am.
 337. *intermedia* *Brid.*, Pac. Coast, N. J.
 338. *glacialis* *Ktz.*, Mex.
 339. *amphidacæ* *C. M.*, Mex.
 340. *brevipes* *Lc.*, Pac. Coast.
 341. *Ehrenbergiana* *C. M.*, Mex.
 342. *obtusissima* *C. M.*, Mex.

Tribe VIII. GRIMMIACEÆ.

Family I. GRIMMIEÆ.

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

362. *Muhlenbeckii* Sch., Pac. Coast.
 363. *trichophylla* Greer., Col., Br. Am., Pac. Coast.
 364. *imberbis* Ktze., Mex.
 365. *fuscolutea* Hook., Mex.
 366. *Pennsylvanica* Schae., Atlantic Sts., Mex.
 367. *Olneyi* Sull., Mid. Sts., Br. Am.
 368. *Californica* Sull., Pac. Coast.
 369. *hamulosa* Lr., Pac. Coast.
D. Gumbellia,
 370. *Donniana* Sm (*G. obtusa* Schaege.), Wht. Mts., Br. Am.
 371. *ovata* H. & M., N. Y., Col., Br. Am., Mex.
 " var. *affinis*, Rky. Mts., Col.
 372. *leucophaea* Greer., N. J., N. Y., O., Ga., Pac. Coast, Br. Am.
 373. *montana* B. & S., Canada, Col.
 374. *alpestris* Schlt., Br. Am., Cal.
 375. *elongata* Kauf., Wht. Mts.
 376. *unicolor* Greer., N. Y., Mid. Sts., Br. Am.
 377. *laxa* C. M., Mex.
 378. *calyptrata* Hook., New Mex., Col., Br. Am.
Lucertæ 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* Mill., Br. Columb.
 387. **Nevii* C. M., Oregon.
 388. *cylindricum* Sch., Mex.
 389. *patens* Dicks., Pac. Coast.
 390. *depressum* Lr., Pac. Coast.

Family II. HEDWIGIEÆ.

56. *HEDWIGIA* Ehr.
 391. *ciliata* Ehr., Atl. Sts., Col., Pac. Coast.
 " var. *leucophaea*, 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* Mill.), 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. *Rauel* Aust., Col.
 60. *PTYCHOMITRIUM* B. & S.
 400. *inervum* Schleg. (*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* Brid.
 406. *Canadense* Mitt., Br. Am.

Family IV. ZYGODONTÆ.

62. *AMPHORIDIUM* Sch.
 407. *Lapponicum* Hedw., Mid. Sts., Br. Am., Col., Pac. Coast.
 408. *Mongeotii* B. & S., Mid. Sts., Col.
 409. *cæspitosum* Mitt., Vanc'r I.
 63. *ZYGODON* H. & T.
 410. *Californicus* Hpe., Pac. Coast.
 411. *Sullivanii* 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.*
 421. *Lieboldtii* *Hpe.*, Mex.
 422. *Mexicanum* *Mitt.*, Mex.
 423. *Gliesbrechtii* *Besch.*, Mex.
 " var. *brevifolium*, Mex.
 424. *rhabdocarpum* *Mitt.*, Fla., Mex.
 425. *Sumichrasti* *Duby.*, Mex.
 426. *flexuosum* *Sch.*, Mex.
 427. *pentastichum* *C. M.*, Mex.
 428. *tomentosum* *C. M.*, Mex.
 429. *tortuosum* *Sch.*, Mex.
 430. *Mulleri* *Sch.*, Mex.
 431. *leptophyllum* *Besch.*, Mex.
 432. *Dregei* *Hoch.*,? Neb., Ga.
 433. *perpusillum* *C. M.*, Mex.
 434. *Sartori* *C. M.*, Mex.
 " var. *gracilescens*, Mex.
 " " *robustius* *C. M.*, Mex.
66. *MICROMITRIUM* *Sch.*
 435. *Schlumbergeri* *Sch.*, Mex.
67. *SCHLOTHEIMIA* *Brid.*
 436. *Sullivanti* *C. M.*, Gulf Sts.
 437. *Sartorii* *Sch.*, Mex.
 438. *sphaeropoma* *Duby.*, Mex.
 439. *Mohriana* *C. M.*, Mex.

Family V. ORTHOTRICHEE.

68. *ULOTA* *Brid.*
 440. *Drummondii* *Greer.*, Br. Am.
 441. *Ludwigii* *Brid.*, N. Y., Alleg'y Mts., Br. Am.
 442. *curvifolia* *Wahl.*, Br. Am.
 443. *crispa* *Hedw.*, No. and East. U. S., Br. Am.
 444. **crispula* *Hornsch.*, No. and East. U. S., Br. Am.
 445. *phyllantha* *Brid.*, Pac. Coast.
 446. *Hutchinsiae* *Smith.*, Atl. Sts., Col., G'land.
 447. *Barclayi* *Mitt.*, Alaska.
69. *ORTHOTRICHEM* *Hedw.*
A. Peristome usually simple.
 448. *anomalum* *Hedw.*, No. and East. U. S., Br. Am., Col., G'land.

- Mex. 440. *cupulatum Hoffm.*,
 Mex. " var. *Peckii*, { (*O. Porteri* (S. & L.), *Aust.*) Pa., N. Y.,
 Mex. " " *Porteri*, { N. J., Ga.
 Mex. " " *parvulum*, N. E. Sts., 2 N. Mex., Col.
 Mex. " " *minus*, (*O. Lescurii Aust.*) Mid. and N. E. Sts., }
 Mex. Col., Lake Ont. }
 Mex. 450. *Sturmii H. & H.*, Tex., N. Mex., Col., Cal.
 Mex. 451. *Texanum Sull.*, Tex., N. Mex., Col., Pac. Coast.
 Mex. " var. *globosum*, Pac. Coast.
 Mex. 452. *Jamesianum Sull.*, Can., Na.
 Mex. *B. Peristome double, ciliae either 8 or 16.*
 Mex. 453. *rupestre Sch.*, Col., Pac. Coast.
 Mex. 454. *obtusifolium Schrad.*, Mid. Sts.
 Mex. 455. *affine Schrad.*, Lake Superior region.
 Mex. 456. *speciosum Nees.*, Br. Am., Col., Pac. Coast.
 Mex. " var. *polyanthum Lx.*, Cal.
 Mex. " " *brevicaule Lx.*, Pac. Coast.
 Mex. 457. *Ramei Aust.*, Col.
 Mex. 458. *alpestre Hoenes.*, var. Can., Rky. Mts.
 Mex. 459. *fallax Swartz.*, N. J.
 Mex. " var. *truncatulum Aust.*, Ill.
 Mex. 460. *tenellum Bench.*, Col.
 Mex. 461. *exiguum Sull.*, S. C.
 Mex. 462. *brachytrichum Sch.*, Pa., N. Y., Lake Sup., Br. Columb.
 Mex. 463. *strangulatum Beauv.*, N. E. Sts. to Va. and O. (?)
 Mex. 464. **sordidum S. & L.*, Mid. and N. E. Sts., Br. Am.
 Mex. 465. *Ohioense S. & L.*, O., Mid. and N. E. Sts., Br. Am.
 Mex. 466. *psilocarpum Jas. (O. pusillum Mitt.?)*, Mid. Sts., Conn., S. C.
 Mex. 467. *Hallii S. & L.*, Col.
 Mex. 468. *Kingianum Lx.*, Col., Na.
 Mex. 469. *Macouni Aust.*, Br. Columb.
 Mex. 470. *Bolanderi Sull.*, Cal.
 Mex. 471. *cylindricarpum Lx. (O. Coulteri Mitt.?)*, Cal., Col.
 Mex. 472. *consimile Mitt.*, Br. Am., Col., Pac. Coast.
 Mex. 473. *Columbicum Mitt.*, Pac. Coast.
 Mex. 474. *elegans Sch.*, Br. Columb.
 Mex. 475. *Watsoni Jas.*, Na., Col.
 Mex. *C. Peristomal teeth 8 soon broken up into 16, ciliae 16.*
 Mex. 476. *pallens Brach.*, Br. Columb.
 Mex. 477. *rivulare Turn.*, Pac. Coast.
 Mex. 478. *diaphanum Schrad. (O. canum Mitt.)*, Br. Am., Col.
 Mex. 479. *pulchellum Sm.*, Br. Am., Pac. Coast.
 Mex. 480. *Hainesiae Aust.*, Col.
 Mex. 481. *pycnophyllum Sch.*, Mex.
 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 <i>Schrad.</i>	
485.	commutata <i>N. & H.</i> ,	Br. Am., Rky. Mts.
486.	vulgaris <i>Hedw.</i> ,	Br. Am., Rky. Mts., Pac. Coast.
	" var. obtusa,	Col.
487.	rhabdocarpa <i>Schweg.</i> ,	Br. Am., Rky. Mts., N. Mex.
488.	ciliata <i>Hedw.</i> , N. H., N. Y., O.,	Br. Am., Rky. Mts., Pac. Coast.
489.	apophysata <i>N. & H.</i> ,	Rky. Mts.
490.	procera <i>Bruch.</i> ,	Br. Am.
491.	streptocarpa <i>Hedw.</i> ,	Mid. Sts., Br. Am., Cal.
492.	Mexicana <i>C. M.</i> ,	Mex.
493.	*longipes <i>Mitt.</i> ,	Rky. Mts.
494.	Macounii <i>Aust.</i> ,	Can.
495.	Selwynii <i>Aust.</i> ,	Vanc'r I.

Tribe IX. TETRAPHIDACEÆ.

Family I. TETRAPHIDÆ.

71.	<i>TETRAPHIS Hedw.</i>
496. <i>pellucida Hedw.</i> ,	U. S. Br. Am.
72.	<i>TETRODONTIUM Scheg.</i>
497. <i>repandum Fink.</i>	Whit. Mts., N. H.

Tribe X. SCHISTOSTEGACEAE.

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.	
400.	Frœlichianus Frœl.,	Rky. Mts.
500.	Hornschuchii Grex.,	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. *mnioides* B. & S., N. Y., Br. Am., G'land.
 " var. *Adamsianus*, Arc. regions.
 " " *cavifolius*, Arc. regions.
 508. *microclatus* B. & S., Rky. Mts.
77. *SPLACHNUM* L.
 509. *Wormskjoldii* Hornsch., Arc. Am., G'land.
 510. *sphaericum* 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* Schreb., Pac. Coast.

Tribe XII. DISCELIACEÆ.

Family I. DISCELIÆ.

78. *DISCELIUM* Brid.
 515. *nudum* Dicks., Pa., O., Can. to Vancouver I.

Tribe XIII. FUNARIACEÆ.

Family I. PHYSCOMITRIÆ.

79. *APHANORRHAGMA* Sull.
 516. *serratum* Sull., Mid. and West. Sts.
80. *PYRAMIDULA* Brid.
 517. *tetragona* Brid., N. Am.
81. *PHYSCOMITRIUM* Brid.
 518. *pyriforme* L., Ill., Atl. Sts., Fla., La., Br. Am., Col., Pac. Coast.
 519. *hians* Lindb. (*P. latifolium* Hook.), O., Col.
 520. *immersum* Sull., Ill., Mid. Sts., O., S. C.
 521. *subsphaericum* Schreb., 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* *Lindby.* (*F. Muhlenbergii* *Hedw.*), Pa.
 528. *Mediterranea* *Lindby.* (*F. Muhlenbergii* *Schw.* and *F. calcarea* {
Sch.), Cal. }
 529. *calcarea* *Wohl.* (*F. Hibernica* *H. & T.*), Br. Am.
 530. *serrata* *Beaur.*, 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. *MELICHOFEIRA* *N. & H.*
 541. **compacta* *Aust.* (*Bryum* ?), Whit. 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.*, Whit. Mts., N. Y., So. Sts., Col.
 " var. *humilis* *B. & S.*, Br. Am., Col.
 549. *longicolla* *Swartz.*, Br. Am. Pac. Coast.

550. *Leseuriana Sull.*, N. E., Mid. Sts., Va., Br. Am.
 551. *nuta Schreb.*, No. and East. U. S., Pac. Coast.
 " var. *caespitosa*, Col.
 " " *bicolor*, Pa.
 " " *longiseta*, Col.
 552. *euclata Schweg.*, Whit. Mts., Pac. Coast.
 553. *cruda Schreb.*, No. and East. U. S., Br. Am., Col., Mex.
 554. *Schimperii C. M.*, G'land.
 555. *annotina Hedw.*, N. E., Mid. Sts., Br. Am.
 556. *Bolanderi Lx.*, Cal.
 557. *Ludwigii Schweg.*, Br. Am., Rky. Mts., Pac. Coast.
 558. *Tozeri Grex.*, Pac. Coast.
 559. *albicans Wahl.*, No. and East. U. S., Br. Am., Pac. Coast.
 " *gracilior*, Pac. Coast.
 560. *integridens Sch.*, Mex.
 561. *spectabilis Hpe.*, Mex.
 562. *cylindrica Sch.*, Mex.
 563. *Mulleriana Sch.*, Mex.
 564. *falcata Besch.*, Mex.
 565. *nudicaulis Lx.*, Pac. Coast.
 566. *subdenticulata B. & S.*, Col.
87. **BRYUM Dill.**
 567. *arcticum R. Br.*, Pac. Coast. Rky. Mts., Br. Am., G'land.
 568. *purpurascens R. Br.*, Rky. Mts., Br. Am.
 569. *Brownii R. Br.*, Rky. Mts., Br. Am.
 570. *Lindgreni Sch. (B. arcticum B. & S.)*, Pac. Coast. Rky. Mts.
 571. *pendulum Hornsch. (B. cernuum B. & S.)*, No. and East. U. S., {
 Br. Am., Rky. Mts., Pac. Coast. }
 572. *inelinatum Scortz.*, Br. Am., Pac. Coast.
 573. *Warneum Bland.*, Pac. Coast.
 574. *uliginosum Bruch.*, Mid. and West. Sts., Br. Am., Rky. Mts.
 575. *flexuosum Aust.*, Br. Columb.
 576. *intermedium W. & M.*, U. S., Br. Am.
 577. *cirrhatum H. & H.*, Col., Pac. Coast.
 578. *bium Schreb.*, No. and East. Sts., Rky. Mts., Pac. Coast.
 579. *torquescens B. & S.*, Br. Am., Tex., N. Mex., Ala., Pac. Coast.
 580. *provinciale Phil.*, Fla.
 581. *palleseens Schleich.*, O., Br. Am., Col., Pac. Coast.
 582. *subrotundum Brid.*, Br. Am., Pac. Coast.
 583. *atropurpureum W. & M.*, O., Tenn., Ala., Fla.
 584. *murale Wils.*, Mex.
 585. *alpinum Link.*, Whit. Mts.
 586. *Muhlenbeckii B. & S.*, Pa., Col.
 587. *caespitium L.*, 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. *concinatum 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.) (Matum Menziesii Hook.)*, Cal., Or., Br. Col.
90. *MNIUM 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. *nigritum* *Brid.*,

Rky. Mts., Br. Am.

94. MEESEÆ *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.*) *Lindbg. (M. tristicha Fuuk.)*, 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* *Schw.*, Mex.677. *subthyphylla* *Besch.*, Mex.678. *thyphyloides* *Schw.*, Mex.679. *Schmidii* *C. M.*, Mex.680. *glauca* *L.*, Mex.681. *thyphylla* *Brid.*, Alleg'y and Rky. Mts., Br. Am.

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

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

(To follow sp. 749, page 31.)

Tribe XVI. BUXBAUMIACEÆ.**Family I. DIPHYSCIÆ.**

- 108a. *DIPHYSCIUM Mohr.*
 749a. *foliosum Buxb.*, East, Mid. and West. Sts., Br. Am.
 108b. *BUXBAUMIA Hall.*
 749b. *aphylla Hall.*, East, Mid. and West. Sts., Br. Am., Pac. Coast.
 750. *Novæ-Angliæ Sull.*, N. E. and Mid. Sts. and West'd, Br. Am.
 751. *biformis Sull.*, Ohio.
 752. *Lescurei Sull.*, Can., N. E., Fla.
 " *var. cymbifolia*, N. J., Va.
 " *ramosior*, N. H., Vt.
 753. *Sullivanti Lindb.* (*F. Lescurei Sull.*, *var. graciliscens Sull.* {
 Icon.), N. J. {
 754. *filiformis S. & L.* (*F. disticha H. & W.*, *var. tenuior S.* *Icon.*), {
 Kentucky. }
 755. *Dalecarlica Br. Eu.*, N. E. and Mid. Sts. and West'd, Br. Am.
 756. *Neo-Mexicana S. & L.*, N. Mex., Rky. Mts., Col., Pac. Coast.
 757. *antipyretica L.*, Br. Am., Pac. Coast.
 " *var. gigantea*, N. E. and Mid. Sts. and West'd.
 758. *disticha H. & W.*, N. E. and Mid. Sts., Ky., Ala., La.
 759. *hypnoides Hartm.*, Br. Am., Col.
 110. *DICHELYMA Myria.*
 760. *capillaceum Dill.*, N. Y., Can., N. Scotia, Pa., Col.
 761. *falcatum Myria.*, Catskill Mts., N. E., Br. Am.
 762. *pallescens Br. Eu.*, N. Y., N. E., N. Bruns'k, Br. Am.
 763. **subulatum Myria.*, La.
 764. *uncinatum Mitt.*, Pac. Coast.
 765. **cylindrocarpum Aust.*, Oregon.

705.	<i>angustatum</i> <i>Brid.</i> ,	No. Am.
706.	<i>crispum</i> <i>Jas.</i> ,	Mid. Sts., Br. Am.
707.	<i>parallelum</i> <i>Mitt.</i> ,	Rky. Mts., Br. Am.
708.	<i>Selwyni</i> <i>Aust.</i> ,	No. West. Coast, Br. Am.
709.	<i>Lescurii</i> <i>Jas.</i> ,	Alaska.
710.	<i>polycarpum</i> <i>Sch.</i> ,	Mex.
711.	<i>subulirostrum</i> <i>Sch.</i> ,	Mex.
712.	<i>Mulleri</i> <i>Sch.</i> ,	Mex.
713.	<i>torquescens</i> <i>Sch.</i> ,	Mex.
-
105.	<i>OLIGOTRICHUM</i> <i>D. C.</i>	
714.	<i>Aligerum</i> <i>Mitt.</i> ,	Rky. Mts.
715.	<i>Lealii</i> <i>Mitt.</i>	
-
722.	<i>atrovirens</i> <i>Mitt.</i>	Alaska, Br. Am. and South'd.
723.	<i>alpinum</i> <i>Brid.</i> ,	N. E. and Mid. Sts. to Col., Pac. Coast.
	var. <i>septentrionale</i> ,	Col.
724.	<i>enspidatum</i> <i>Besch.</i> ,	Mex.
725.	<i>Schmitzii</i> <i>Besch.</i> ,	Mex.
726.	<i>Bescherellii</i> <i>Hpe.</i> ,	Mex.
727.	<i>Tolucense</i> <i>Hpe.</i> ,	Mex.
728.	<i>comosum</i> <i>Sch.</i> ,	Mex.
729.	<i>campylocarpum</i> <i>C. M.</i> ,	Mex.
730.	<i>subgracile</i> <i>Hpe.</i> ,	Mex.
731.	<i>albovaginatum</i> <i>Hpe.</i> ,	Mex.
732.	<i>Liebmanni</i> <i>Sch.</i> ,	Mex.
733.	<i>leptocarpum</i> <i>Besch.</i> ,	Mex.
734.	<i>glaciale</i> <i>Mitt.</i> ,	Mex.
735.	<i>Schlumbergeri</i> <i>Sch.</i> ,	Mex.
736.	<i>robustum</i> <i>Sch.</i> ,	Mex.
737.	<i>ericifolium</i> <i>Besch.</i> ,	Mex.
738.	<i>cylindricum</i> <i>Sch.</i> ,	Mex.
739.	<i>macropogon</i> <i>Sch.</i> ,	Mex.
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108.	<i>POLYTRICHUM</i> <i>L.</i>	
740.	<i>gracile</i> <i>Meuz.</i> ,	O., Br. Am., Col.

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

Series II. PLEUROCARPÆ.

Tribe I. FONTINALACEÆ.

Family I. FONTINALEÆ.

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

Tribe II. NECKERACEÆ.

Family I. CRYPHLEÆ.

111. *CRYPHLEA* 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> Horusch.,	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. *ACROCRYPHLEA* 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.,	Can.
789. <i>circinatus</i> Sull.,	Cal.
115. *ALSA* 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* *Itz.*, Mex.
B. Capsule exserted.
 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. *OMALIA* *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. *Ludovicæ* *C. M.*, Gulf Sts.
 821. *tetragona* *C. M.*, Mex.
 822. *rigida* *C. M.*, Mex.
 823. *cymbifolia* (*Sall.*), Fla.

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

Family V. LEUCODONTEAE.

123.	<i>LEUCODON Schweg.</i>	
852.	<i>julacens (Hrdw.) Schweg.</i>	East. U. S.
853.	<i>brachypus Brid.</i>	Mid. Sts., Can.
854.	<i>Domingensis Spreng.</i>	Fla.

124. *PTEROGONIUM Swartz.*
 855. *gracile Swartz,* Pac. Coast.
 " *var. duplicato-serratum Hpe.,* Oregon.
 856. *brachypterum Mill.,* Br. Am.
125. *ANTITRICHIA Brid.*
 857. *enrtipendula Brid.,* Br. Am., Pac. Coast, N. C.
 " *var. gigantea,* Br. Am., Pac. Coast.
 858. *Californica Sull.,* Br. Am., Pac. Coast.
126. *ASTRODONTIUM Schleg.*
 859. *cryptotheca Hpe.,* Mex.
 860. *curvirostre Hpe.,* Mex.
 861. *tenne 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. *subnervae Brid.,* Mex.
 869. *Decaisnei Besch.,* Mex.
 870. *nitidum Besch.,* Mex.
 871. *apophysatum Hpe.,* Mex.
 872. *piliferum Besch.,* Mex.
 873. *Mohrianum C. M.,* Mex.
 874. *genuiflexum C. M.,* Mex.
 875. *falcatulum C. M.,* Mex.
131. *HOOKEA Tagl.*
 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* (Hpc.) 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. *caespitosa 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. *ANOMODOX 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 Lc.*, Cal.
141. *HELICODONTIUM Schleg.*
 924. *tenuirostre Schleg.*, 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.

149. PYLAISIA *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. LINDIGIEÆ.

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

Family IV. CYLINDROTHECIEÆ.

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. anrescens *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. Bourgaeana *Besch.*, Mex.

986. *subulacea Besch.*, Mex.
 987. *viridis Besch.*, Mex.
 988. *Schimperi Besch.*, Mex.
 989. *stricta Besch.*, Mex.
 990. *Andrieuxii Besch.*, Mex.
153. *LEPTOHYMENIUM Schweg.*
 991. *myuroides Sch.*, Mex.
 992. *longisetum Hpe.*, Mex.
 993. *cylindrocaule Hpe.*, Mex.
 994. *affine Sch.*, Mex.
 995. *julaceum Sch.*, Mex.
 996. *Bonplandi Besch.*, Mex.
 997. *patulum (L.?) Sch.*, Mex.
154. *POROTRICHUM 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.
 " *" aenticuspis 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 (Schweg.)*, 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. CAMPTOTHECIEÆ.

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

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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* Schweg., Cal.
 1050. *cæspitosum* Wils., Br. Am., Cal.
 1051. *Californicum* Lx., Cal.
163. *EURYNCHIUM* Sch.,
A. pedicel smooth.
 1052. *myosuroides* L., Pacific.
 1053. *Boseii* Schweg., 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. *leptomero carpum* C. M., Mex.
 1071. *demissum* Wils., N. Mid. and West. Sts.
 " var. *Marylandicum*, N. E. and So. Sts., and Mts.
 " " *Carolinianum*, Ga., N. and S. Car.
 1072. *microcarpum* C. M., O., Mid. and So. Sts., Br. Am.
 " var. *anisocarpem* (H. adimistum), N. J. to Fla., O.
 1073. *recurvans* Schweg. (*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. }

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	"	"	gracilis,	N. J.
	"	"	subfalcatum,	Alleg'y Mts., N. E. to N. Car., O.
1096.	Mullerianum	Sch.,		N. E. and Mid. Sts.
1097.	Passaicense	Aust.,		N. J., Can.
1098.	pulchellum	(Dicks.),		N. E., N. Y., Br. Am., Pac.
	"	var. nitidulum,		N. E., N. Y., Br. Am., Col.
1099.	turfaceum	Lindb.,		N. J. to Can., O., Pac.
1100.	striatellum	Brid. (Muhlenbeckii Br. Eu.),		N. E., Mid. Sts., Br. Am.
	"	var. chrysophylloides,		N. J.
1101.	denticulatum	(Dill.),		U. S., Br. Am.
	"	var. pusillum,		N. Y., N. J.
	"	" lætum,		N. E. and Mid. Sts., Col.
1102.	sylvaticum	L.,		N. E., Mid. and West. Sts., Br. Am.
	"	var. Sullivantiae (Sch.),		N. E., Mid. and West. Sts., {
				Br. Am. }
	"	" Roseanum (Hpe.),		N. J.

1103.	<i>undulatum</i> , (L.),	Pac. Coast.
1104.	<i>Donianus</i> Sw.,	Br. Columb., Wash. Ter.
1105.	<i>Chrimari</i> C. M.,	Mex.
1106.	<i>subsimplex</i> Hedw.,	Mex.
1107.	<i>psudo-Silesiacum</i> Sch.,	Mo.
167.	AMBLYSTEGIUM Br. Eu.	
1108.	<i>Sprucei</i> (Bruch),	Col., Br. Am.
1109.	<i>confervoides</i> (Brid.),	N. J. to O., Col., Br. Am.
1110.	<i>subtile</i> Hedw.,	N. E., N. J., Col., Br. Am.
1111.	<i>adnatum</i> (Hedw.),	N. E., Mid. and West. Sts., Col., Br. Am.
	“ <i>var. subserratum</i> ,	Ohio.
1112.	<i>Lescurii</i> Sull.,	Vt., Mid. Sts., Geo.
1113.	<i>compactum</i> C. M.,	N. Y., O., Br. Am., Col. Pac. Coast.
1114.	<i>serpens</i> (L.),	Common.
	“ <i>var. minutissimum</i> (S. & L.),	Pa., O., Col., Br. Am.
	“ “ <i>tenellum</i> ,	Ohio.
	“ “ <i>irriguum</i> (H. & W.),	N. E., Mid., West. and So. Sts.
	“ “ <i>noterophilum</i> ,	N. E., Mid. and West. Sts., Rky. {
Mts., Br. Am. }
	“ “ <i>longifolium</i> ,	O., Fla.
	“ “ <i>radicale</i> (Beauv.),	N. E., Mid., West. and So. Sts., {
Br. Am., Pac. Coast. }
	“ “ “ <i>subulaceum</i> ,	N. J.
	“ “ “ <i>parvulum</i> ,	N. J.
	“ “ <i>orthoeladon</i> (Beauv.),	U. S., Br. Am.
	“ “ <i>brevifolium</i> (<i>A. oligorhizon</i> Guemb.),	U. S., Br. Am.
	“ “ <i>fontanum</i> ,	N. J., Pa.
	“ “ <i>chrysophylloides</i> (<i>A. curvipes</i> Br. Eu.),	N. E. and {
Mid. Sts. }
	“ “ <i>Juratzkanum</i> (Sch.),	Pa.
	“ “ <i>fluviatile</i> (Swartz),	Mid. Sts., Can.
1115.	<i>riparium</i> (L.),	U. S., Br. Am., G'land.
	“ <i>var. cariosum</i> ,	No. and East. U. S., and West'd.
	“ “ <i>vacillans</i> (Sall.),	Wht. Mts., Can.
1116.	<i>sordidum</i> Mitt.,	Mex.
168.	HYPNUM Dill.	
	<i>A. Campylophyllum</i> Br. Eu.	
1117.	<i>Halleri</i> (L.),	Br. Am.
	<i>B. Campyllum</i> Sull.	
1118.	<i>hispidulum</i> Brid.,	U. S., Br. Am.
	“ <i>var. Sommerfeltii</i> (Myriu.),	N. E., Br. Am., Mex.
1119.	<i>Bergenense</i> Aust.,	N. E. to Fla.
1120.	<i>chrysophyllum</i> Brid.,	N. E., Mid. and West. Sts., Br. Am.
	“ <i>var. caespitosum</i> ,	Appalachian.

- 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. *verniosum* Lindbg., N. Y., N. J., Br. Am.
 1125. *examulatum* 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* L., 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.) Lindb., (*R. Jamesii* Sull.)
 Icon., (*H. hamulosum* S. & L.), (*H. pallescens* Musei)
 Appalach., (*H. depressulum* C. M.), U. S., Br. Am.)
 " *viride* Aust., N. E., Pa., Can.
 1150. *fertile* Scudt., 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* Gree., 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. Linnobium Br. Eu.
 1162. *obtusifolium* W. & M., Br. Am.
 1163. *palustre* L., N. J. to Can., Col.
 1164. *arcticum* Somf., Br. Am., Rky. 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. *crispitosum Lev.*, Mex.
 1188. *Coloradense Aust.*, Col.
 1189. *radiculosum C. M.*, Mex.
 160. *OCOMIUM Br. Eu.*, (*Pleurozium Sull.*)
 splendens Hedw., U. S., Br. Am.
 1191. *brevirostre Ehr.*, U. S., Br. Am.
 1192. *triquetrum (L.)*, U. S., Br. Am.
 1193. *squarrosus 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. *lorenum Dill.*, Pac. Coast.
 1197. *Ehrenbergianum C. M.*, Mex.
 1198. *Flemingii Aust.*, Vancouver I.
 1199. *Alaskanum S. & L.*, Alaska.

Family VII. HYPOPTERIGIACEÆ.

170. *PHLICOPHYLLUM Brid.*
 torquatum Brid., Mex.
 171. *HYPOPTERIGIUM 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 <i>Aust.</i> (<i>A. longifolium</i> L. & J.),	Fla., Ala., La.
1210.	Hallii <i>Aust.</i> ,	Tex.
1211.	Ravenellii <i>Aust.</i> ,	S. Car., Fla.

Order II. SCHIZOCARPÆ.

Tribe. ANDRÆACEÆ.

1212.	<i>turgescens</i> Sch.,	Mex.
1213.	<i>petrophila</i> Ehr.,	Alleg'y Mts., Br. Am.
1214.	<i>rupestris</i> Turn.,	Alleg'y Mts.
1215.	<i>crassinervia</i> Bruch,	Wht. Mts.

Order III. STEGOCARPÆ

Tribe. SPIAGNACEÆ.

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

1228.	<i>Pylaesii Bridl.</i> ,	N. H., N. Y., N. J., Newfound'd, S. Car.
	“ var. <i>sedoides</i> ,	N. J., Newfound'd, S. Car.
1229.	<i>cyclophyllum S. & L.</i> ,	N. Y., N. J., La., Ala.
1230.	<i>laricinum Spruce, (S. neglectum Angs.).</i>	N. J., O.
1231.	<i>subseundum N. & H.</i> ,	Atl. Sts., O., Br. Am., Cal.
	“ var. <i>serratum (S. serratum Aust.)</i> ,	Fla.
	“ “ <i>subsimplax Aust.</i> ,	Ala.
	“ “ <i>longifolium</i> ,	Cal.
	“ “ <i>Lescurii</i> ,	N. J., O., So. Sts.
	“ “ <i>obesum</i> ,	N. J.
1232.	<i>Wulfianum Girgh.</i> ,	N. Y., Can.
1233.	<i>cuspidatum Ehr.</i> ,	Can., N. E. Sts. to La.
	“ var. <i>laxifolium</i> ,	N. J.
	“ “ <i>Torreyanum</i> ,	N. J., Pa.
	“ “ <i>plumosum</i> ,	Can. and N. E. to La.
	“ “ <i>parvum</i> ,	N. J., N. Brnsw'k, Can.
	“ “ <i>intermedium (Hoffm.) (recurvans Br.)</i> ,	N. E. {
to La., Can., Mich., G'land. }
	“ “ <i>Ranei Aust.</i> ,	Pa.
1234.	<i>Mendoicinum S. & L.</i> ,	Cal.
1235.	<i>Lindbergii Sch.</i> ,	N. Y., Br. Am., G'land.
1236.	<i>macrophyllum Bern.</i> ,	So. N. J. to Fla., Ala., Miss.
	“ var. <i>Floridanum Aust.</i> ,	Fla.
1237.	<i>Mexicanum Muhl.</i> ,	Mex.

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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. *ulerotheca* Aust., Va.
 " 30, omit Va.
 " 47, read *tophaceum*.
 " 54, *Brotellianum* B. & S.
 " 58, 1st var. omit Col.
 " 58, 3d var. add syn. (W. Wolff L. & J.)
 " 70, to 1st var. add N. Y., N. E.
 Gen. 19, read (*Dicranum*.)
 Sp. 72, for Rieh. 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, *gracileanulis* Mitt. Fla.
 Sp. 156 and 165 omit.
 " 179, omit var.
 " 182, add syn. (*F. rupestris* Wils.), Mld. Sts.
 " 183, read *Bourgacanus*.
 " 188, read *tristicha*.
 " 199, for Aust. read (Hedw.) Sch.
 " 202, for *tenue* 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 *ungulculata*.
 " 299, to hab. add Br. Am.
 " 315, read *Orizabensis*.
 After sp. 329, add sp. 329a *squarrosa* Brid., Tenn.
 Sp. 338 and 394, for Kiz. read Kze.
 " 353, for B. & L. read B. & S.
 " 357, read *plagiopodia*.
 " 373, for Col. read Pac. Coast.
 " 376, for Mld. Sts. read Malne.
 " 383, to hab. add Br. Am.
 " 384, read *lanuginosum*.
 " 396, read *Andrieuxii*.
 " 421, read *Leiboldii*.
 " 444, for Horusch. 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, for Cal. read Col.
 " 495, read *Schwyull*.
 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 Whit. 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 *Mellichhoferia*.
 " 583, for hab. read N. J. to Fla.
 " 624, read *Didymodontum*.
 " 663, for Brid. read (Hedw.)
 " 681, to hab. add Ireland.
 After sp. 684, add 684a, *Mohriana* C. M., La.
 Gen. 90, for Sw. read Swartz.
 Sp. 686, for Alleg'y read Whit.
 After sp. 687, add 687a, *Mexicana* Sch., Mex.
 After sp. 698, add 698a, **calcareo* B. & S., N. E., Br.
 Am., N. C., Col. 638h, *Schlumbergeri* Sch., Mex.
 Gen. 103, for H. read Hedw.
 Sp. 714, read *allgerum*.
 " 719, for Mx., read Michx. Add Whit. Mts.
 Gen. 108, for L. read Bill.
 Sp. 732, for Fla. read to Ala.
 " 756, to hab. add Mex.
 After sp. 759 add Family II., *Dichelymna*.
 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 (Schleleth.)
 " 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.
 " 983, read *cylindricaulis*.
 " 1002, first var. read *spiculiferum*.
 " 1055, for (Sch.) read B. & S.
 " 1098, for (Dicks.) read (Hedw.)
 " 1098, to var. add syn. (*P. uldulum* Wahl.)
 " 1101, for (Dill.) read (L.)
 " 1101, to last var. add syn. (*P. latum* Sch.)

0
d Wht. Mts.
.
brld., Col.

C. M., La.

Sch., Mex.
, & S., N. E., Br.
engeri Sch., Mex.

ld Wht. Mts.

helymeæ.

.)

um Besch., Mex.

rum.

w.)
dulum Wahl.)
r. lætum Sch.)