

VIII.—THE FLORA OF NEWFOUNDLAND, LABRADOR AND ST.
PIERRE ET MIQUELON : PART II. BY THE REV. ARTHUR
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(*Read 13th May, 1895.*)

Circumstances have unhappily delayed the compilation of these notes. The first paper was read before the Institute on April 10th, 1893, and was published in its Transactions of the 2nd series, Vol. I., beginning at page 359. That dealt with Polypetalæ, as far as Leguminosæ, inclusive. This second paper completes the Polypetalæ and includes a supplementary list of plants belonging to the earlier portion of this division, which have been found by the compiler and others since it was published, or of whose claim to be included therein he has since been assured. The plants in this supplementary list are additions either to the Newfoundland or Labrador flora.

This fuller knowledge of our flora, which yields these supplementary plants, and which renders the whole list more complete and accurate, is derived from various sources, which are chiefly these :—

1. The writer's own discoveries for 1893 and 1894. These mostly concern the Labrador, as the greater part of both these summers were spent on that coast, that of 1893 extending from the Strait of Belle Isle (the southernward point being Bradore), northwards through the Battle Harbour district, as far as Sandwich Bay. Last summer his journeyings were confined to the Strait of Belle Isle. The Newfoundland plants were almost exclusively collected in Notre Dame Bay, on the North-east coast, chiefly about Exploits.

2. Dr. Packard's "The Labrador Coast" contains a list of Labrador plants extending over 22 pages, compiled for the author by Professor Macoun. This list affords a few additions to those plants included in Professor Macoun's "Catalogue of Canadian

Plants," mostly the collections of the Moravian missionaries in Northern Labrador.

3. Dr. Robinson, Professor of Harvard University, with Mr. Schrenk, spent a month or so in Newfoundland last summer, and their researches have added considerably to our knowledge of the flora of this country. Dr. Robinson has generously presented to us a collection of these plants, and this collection affords, of course, valuable aid in the compilation of this list.

4. The Revd. R. Temple, Rural Dean of Notre Dame Bay, kindly handed over to the compiler a few plants collected by him some years ago, which have added a few names to our list. But for the most part Mr. Temple's plants give no data as to whether they were collected at Ferryland, on the South, or at White Bay, on the North-eastern coast.

Dr. D. C. Eaton, of Yale, and Professor J. Fowler, of Queen's University, Kingston, have kindly named most of the collections of 1894, as far as they are included in this paper.

The writer's introduction to the previous paper probably conveys whatever else need be stated by way of preface.

(Ranunculaceæ, &c., to Leguminosæ, Supplementary to Part I.).

I.—RANUNCULACEÆ. *Crowfoot or Buttercup Family.*

3. *Actæa spicata*, Linn. var. *rubra*. Ait. *Lab*: L'anse au Clair and L'anse au Mort. (A. C. W.—Fowler). Low woods. August.

1. *Anemone parviflora*, Michx. Ferryland or White Bay (Revd. R. Temple—Fowler).

7. *Ranunculus abortivus*, Linn. *Lab*: L'anse au Clair and Blanc Sablon. Wet places. (A. C. W.—Fowler and Coville.) July.

12. *R. Flammula*, Linn. Freshwater Road, St. John's (Prof. Holloway, Fletcher). Wet places. July.

Var: *intermedius*, Hook. Quidi Vidi Lake, St. John's (Robinson and Schrenk). Muddy shores. August.

Var: *reptans*, Meyer. New Harbour (A. C. W.); Ferryland or White Bay (Revd. R. Temple—Fowler); St. John's (Miss Southcott); Placentia (Lady Blake); rocky banks of Rennie's River, St. John's (Robinson and Schrenk). July. *Lab*: Forteau and Independent (A. C. W.—Macoun and Fowler). Edges and ponds. August.

8. *R. hederaceus*, Linn., St. John's (Miss Southcott). Road side ditches, shores of Quidi Vidi Lake (Robinson and Schrenk). August.

133. *R. aquatilis*, Linn. var. *trichophyllus*. Chaix. *White Water Crowfoot*. Exploits River, near Badger's Brook (Robinson and Schrenk). August.

134. *R. Macounii*, Britton (*R. hispidus*, Hook). Placentia. Wet ground. (Robinson and Schrenk). August. [Probably *R. repens*. Var. *hispidus*, Torr. and Gray.]

135. *Ranunculus*—? Rocky banks of Rennie's River, St. John's (Robinson and Schrenk). August.

III.—NYMPHÆACEÆ. *Water Lily Family*.

27. *Nuphar advena*, Ait. Var. *minus*, Morong. Pond at Whitbourne (Robinson and Schrenk). August.

26a. *Nymphæa odorata*, Ait. Var. *minor*, Sims. *Lesser Water Lily*. Whitbourne (Robinson and Schrenk). August.

VII.—CRUCIFERÆ. *Mustard Family*.

48a. *Draba incana*, Linn. Var. *arabisans*, Wats. White Bay? (Revd. R. Temple—Fowler). *Lab*: Hopedale (Weiz) [Packard]; L'anse au Clair (A. C. W.—Fowler). July.

136. *D. aurea* Vahl. *Lab*: Hopedale (Weiz) [Packard].

137. *D. hirta*, Linn. *Lab*: L'anse au Mort (A. C. W.—Fowler). Rocky banks. July.

42. *Cakile Americana*, Nutt. *Lab*: English Point (Forteau) and L'anse au Mort (A. C. W.—Eaton). Sea Beach. September.

40. *Cardamine hirsuta*, Linn. Along Railway track, Whitbourne (Robinson and Schrenk). August. *Lab*: L'anse

au Clair and L'anse au Mort (A. C. W.—Eaton and Fowler) Streams. July and September.

60. *Thlaspi arvense*, Linn. *Lab*: About houses at Capstan Island and Pixware River (A. C. W.—Eaton and Fowler). August.

138. *Nasturtium palustre*. D. C. *Marsh cress*. Cartwright. Wet places about parsonage (A. C. W.—Fowler). September.

139. *N. sylvestre*, R. Br. Banks of Rennie's River, St. John's (Robinson and Schrenk). August.

36. *Barbarea vulgaris*, R. Br. *Lab*: Near Forteau Light House and near Blanc Sablon (A. C. W.—Eaton and Fowler). July and August.

Var: *stricta*, Regel. *Common Winter Cress*. *Lab*: Capstan Island (A. C. W.—Eaton). July.

140. *Cochlearia Anglica*, Linn. *English Scurvy Grass*. *Lab*: Partly Modiste and L'anse au Clair (A. C. W.—Eaton and Fowler). July and August.

141. *Senebiera prunatifida*, D. C. S. John's surface drains, (Robinson and Schrenk). July.

VIII.—VIOLACEÆ. *Violet Family*.

65. *Viola canina*, Linn. *Lab*: A specimen from L'anse au Mort was thus doubtfully named by Dr. Eaton. August.

XIV.—CARYOPHYLLACEÆ. *Pink Family*.

142. *Stellaria graminea*, Linn. S. John's; borders of fields (Robinson and Schrenk). July.

96. *S. longifolia*, Muhl. To the references of occurrences in Newfoundland given in previous paper may now be added, Salmonier River, quarry bottoms. (Robinson and Schrenk). August. *Lab*: L'anse au Clair (A. C. W.—Fowler.) July.

143. *Spergularia rubra*, Presl. S. John's, road-sides (Robinson and Schrenk). August. Ferryland or White Bay (Revd. R. Temple—Fowler).

77. *Cerastium alpinum*, Linn. Var. *glabatum*, Hook. *Lab*: Hopedale (Weiz), Nachvak (R. Bell), [Packard].

XVII.—GERANIACEÆ. *Geranium Family.*

144. *Geranium Carolinianum*, Linn. *Carolina Cranesbill*. Sambo (Revd. J. H. Bull, Dewey); Railway ballast, 15 miles north of Placentia Junction (Robinson and Schrenk). July and August.

XX. LEGUMINOSÆ. *Pea Family.*

118. *Astragalus oroboides*, Hornem. A doubtful specimen from Badger's Brook, Exploits, collected by Revd. J. H. Bull. Submitted to Prof. Fowler, July.

145. *Trifolium hybridum*, Linn. *Alsick*. Whitbourne (Robinson and Schrenk). August.

PART II.—POLYPETALÆ (*Continued.*)

(*Rosaceæ, &c.*, to the end of the *Polypetalous* plants.)

XXI. ROSACEÆ. *Rose Family.*

146. *Agrimonia Eupatoria*, Linn. *Common Agrimony*. (Reeks). Topsail (Cat. IV., 518); Islands in Salmonier River (Robinson and Schrenk). August.

147. *Amelanchier Canadensis*, Torr. and Gray. *June Berry (Indian or Wild Pear)*. (Reeks). (Cat. I., 148). Flat Bay, West Coast (Bell); west of Random (Cormack), *Cyrus Botryapium*, he calls it); New Harbour, S. John, (Robinson and Schrenk). Woods. June, July.

a. Var: *oligocarpa*, Torr. and Gray. (Cat. I., 149); S. John's (Miss Southcott); New Harbour. June, July. *Lab*: Swamps in Southern Labrador, (Butler). Deep Water Creek and Pack's Harbour (A. C. W.) July, August. *Flora Miq.* Peaty and stony places. Common. July.

b. Var: *Botryapium*? (A specimen from Grand Bank was thus doubtfully named by Prof. Macoun.)

c. Var: *oblongifolia*, Torr. and Gray. New Harbour (A. C. W. [Fowler]). June.

148. *Alchemilla vulgaris*, Linn. *Common Ladies' Mantle*. Twillingate (A. C. W.) August. *Lab*: Abundant on hillsides, Amour (Butler). Battle Harbour, L'anse au Loup and Blanc Sablon (A. C. W.) July, August.

149. *Cratægus coccinea*, Linn. *Scarlet-fruited Thorn*. Several places about Humber River (Bell). Bay Despair in Hermitage Bay (Mrs. Gallop [Macoun]).

150. *C. oxyacantha*, Linn. *English Hawthorn*. Hedges in S. John's (A. C. W.)

151. *Dryas octopetala*, Linn., var. *integrifolia*, Cham. & Schlecht. *Lab*: Hills about Amour (Butler) and at Battle Harbour (A. C. W.) Nackvak and Cape Chidley (Cat. III, 515). Hopedale (Weiz) [Packard]. July.

152. *Fragaria Virginiana*, Duchesne. *Wild Strawberry*. (Reeks). S. John's, New Harbour, Topsail, Exploits (A. C. W.) May, June. *Lab*: Sparingly, hillsides at Amour and Southern Labrador (Butler). Various places in the Straits of Belle Isle (A. C. W.) [Fowler]. July, August.

153. *F. vesca*, Linn. *Wood strawberry*. New Harbour; doubtful specimen (A. C. W.—Fowler). (Reeks). Banks of Manuel's River, Topsail (Robinson and Schrenk). June and July. *Flora Miq.* Common; stony and sandy places; fruit excellent; ripe about the end of July; flowers early in July.

154. *Geum macrophyllum*, Willd. *Straight yellow-leaved Avenis*. (*Blood root* in White Bay; *Jack root* in Trinity Bay.) (Reeks). Western Cove (White Bay); Flat Bay Brook on West Coast (Bell). July, Oct. *Lab*: Battle Harbour and near Blanc Sablon (A. C. W.) July, August.

155. *G. rivale*, Linn. *Purple or Water Avenis (Chocolate root)*. (Reeks). Flat Bay Brook (Bell); (Cat. I., 133). West of Random (Cormack), S. John's (Lady Blake). New Harbour and neighbourhood, Harbour Breton (Fortune Bay), (A. C. W.) Moist woods near Salmonier River (Robinson and Schrenk). July, August. *Lab*: Brookside, Southern Labrador (Butler), springy places all along coast (Cat. III., 515). July, August.

156. *G. strictum*, Ait. *Flora Miq.* Marshy places; rare. July.

157. *G. triflorum*, Pursh. (Reeks). *Lab*: (Cat. I., 134). Dry, rocky ground. (Judge Morrison) [Packard].

158. *Poterium Canadense*, Benth. and Hook. *Canadian or Salad Burnet, or Indian Tobacco*. (Reeks). Great Cod

Roy River (Bell); S. John's (Miss Southcott); rather common about Trinity and Fortune Bays (A. C. W.) (Cat. I., 143). August and September. *Lab*: Abundant on hillsides on South Coast (Butler). August. *Flora Miqu.*; very common. August. Furnishes good forage for ruminants.

159. *Prunus pumila*, Linn. *Sand or Dwarf Cherry*, [Bonycastle].

160. *P. Pennsylvanica*, Linn. *Bird or Pigeon Cherry*. (Cat. I., 125); Random (Cormack); Flat Bay Brook and Deer Lake (Bell); Bonne Bay, South (Reeks); New Harbour (A. C. W. [Fowler]); Banks of Salmonier River (Robinson and Schrenk). Woods. June, August. *Flora Miqu.*; common. July. *Lab*: Caribou Island (S. R. Butler).

161. *P. serotina*, Ehrt. *Black cherry*. *Flora Miqu.*; woods of Mirande, Sylvain, Langlade wood; rare. July.

162. *P. Virginiana*, Linn. *Choke cherry (Chuckley plum or Mazzard)* Random (Cormack); Deer Lake (Bell); S. John's (Miss Southcott); Exploits River (Austin); Harbour Breton (A. C. W.) Along Salmonier River (Robinson and Schrenk). Woods. July and August.

163. *Potentilla argentea*, Linn. *Silvery Cinquefoil* (Reeks).

164. *P. anserina*, Linn. *Silverweed*. Common in many places by sea coast. June, July. *Lab*: Flats near the shore (Butler); Battle Harbour and other places (A. C. W.) July, August. *Flora Miqu.*, sandy places near houses; common. June.

165. *P. emarginata*, Pursh. *Lab*: Cape Chidley (Cat. I., 100; III., 518). (Packard).

166. *P. fruticosa*, Linn. *Shrubby Cinquefoil*. Very common on rocky margins of rivers and lakes from Labrador and Newfoundland to the Pacific, and northward to the Arctic Sea (Cat. I., 141); not uncommon in Trinity and Fortune Bays (A. C. W.); Flat Bay Brook (Bell); marshy ground at Manuel's, Topsail (Robinson and Schrenk). August. *Lab*: Forteau (A. C. W.) July. *Flora Miqu.*, damp places, edges of water-courses. July, August.

167. *P. maculata*, Poir. *Lab*: Nain and Nachvak, Cape Chidley (Cat. I., 140; III., 518); Long Point (A. C. W.); Hills about Amour (Butler); Hopedale (Weiz.) [Packard]. July, August.

168. *P. nemoralis*, Nestler. White Bay or Ferryland (Revd. R. Temple—Fowler). *Lab*: (Cat. I., 142). L'anse au Mort (A. C. W.—Fowler). July, August.

169. *P. nivea*, Linn. *Lab*: (Cat. I., 139); Hopedale (Weiz.) [Packard].

170. *P. Norvegica*, Linn. (Reeks). S. John's (Prof. Holloway [Fowler]); Flat Bay Brook (Bell); Trinity and Fortune Bays (A. C. W.); along railway track, Whitbourne (Robinson and Schrenk). August. *Lab*: all along coast (Butler); (Cat. I., 516). "Quite smooth and distinct from ordinary form, very likely the *P. Labradorica* of Lehmann". Battle Harbour (Bull [Macoun]).

170a. Var: *hirsuta*, Torr. and Gray. Trinity Bay (Cormack, *P. hirsuta*).

171. *P. Pennsylvanica*, Linn. White Bay (Revd. J. S. Andrewes [Macoun]).

172. *P. tridentata*, Solander. *Mountain or Three-Toothed Cinquefoil* (Cat. I., 141). Appear to be common everywhere in exposed places (A. C. W.); common in the interior (Cormack). In August. *Lab*: (Cat. I., 41). Many places on the Labrador (A. C. W.) July. *Flora Mig.*, very common in stony and peaty places. In August.

173. *P. palustris*, Scop. *Marsh five-finger*. (Reeks); New Harbour and Arnold's Cove (Placentia Bay); (A. C. W.) Wet places and bogs. July. *Lab*: (Cat. I., 140). Not uncommon along coast of Southern Labrador. July, September. *Flora Mig.* August.

174. *Pyrus Americana*, D. C. *American Mountain Ash* (*Dog-berry* or *Pig-berry*). Common in most places in woods. June, July. *Lab*: in gulches and on hills (Butler).

174a. Var: *microcarpa*, T. & G. (*Cat-berry*). S. John's (Miss Southcott); New Harbour. *Lab*: not rare over Labrador coast (Cat. III., 522); Fox Harbour (A. C. W.); Hopedale (Weiz.) [Packard]. August.

175. *P. sambucifolia*, Cham. and Schlecht. Whitbourne (Robinson and Schrenk). Woods. August.

176. *P. arbutifolia*, Linn. *Choke-berry* (*Winter, Low or Indian Pear*). S. John's (Miss Southcott); West of Random (Cormack); near Cairn Mountain, Flat Bay (Bell). Common near Brigus (Cat. III., 521) and many other places. Bogs and wet places. May, July.

176a. Var: *melanocarpa*, Hook. New Harbour. *Lab*: (Flora Miq.) *Flora Miq.*, commonly called Wild Pear. Common. July.

177. *P. malus*, Linn. Wild Apple. *Flora Miq.* Met once between Cape de la Demoiselle and Bellevaux Wood. Rare even at Longlade, and doubtless introduced; creeping, and has produced apples as large as a pigeon's egg. Flowers in July.

178. *Rosa blanda*, Ait. *Early Wild Rose*. On rocks and rocky shores of rivers and lakes (Cat. III., 518); Harbour Breton (A. C. W.)

179. *R. Carolina*, Linn. *Swamp Rose*. (Reeks). About New Harbour (A. C. W.)

180. *R. lucida*, Ehrh. (Reeks); (Cat. I., 143; III., 519); New Harbour and Harbour Breton (A. C. W.)

181. *R. nitida*, Willd. (Cat. I., 145; III., 521). Topsail (A. C. W.); S. John's (Miss Southcott and Robinson and Schrenk); West of Random (Cormack); Harbour Breton. *Flora Miq.*, dry or slightly wet places; common. August.

182. *R. Sayii*, Schwein. Harbour Grace (Cat. I., 144: IV., 520.)

183. *R. pimpinellifolia*, Linn. *Flora Miq.* ("mentioned by Southier, and not found by us; if this case exists in Miquelon, it has been introduced there.")

184. *Rubus arcticus*, Linn. *Arctic Raspberry or Bramble*. (Ground Raspberry and Plumboy, Labrador) (Cat. I., 129); (Reeks). *Lab*: (Cat. I., 129); level grassy places (Butler) in Southern Labrador; not uncommon in the Straits of Belle Isle. July, August. *Flora Miq.* July.

184a. Var: *grandiflorus*, Ledeb. *Lab*: From Labrador to the woods and swamps of the Rocky Mountains, Lat. 52°-56°, (Drummond), (Cat. I., 129). Nain and Nachvak (Cat. III., 514). Indian Harbour, Holton (A. C. W.) July, August.

185. *R. Canadensis*, Linn. (Cat. I., 131): (Reeks); S. John's (Miss Southcott); New Harbour (A. C. W.) Open grounds at Whitbourne (Robinson and Schrenk). *Flora Miqueloniensis*. July, August.

186. *R. Chamæmorus*, Linn. *Cloudberry*. (*Bake apple*). Very common in most parts of Newfoundland and the Labrador; in peat bogs and wet places (Cat. I., 128; III., 514). May, June. *Flora Miqueloniensis*. Very abundant in the peaty plains of Miquelon. Flowers in June; fruit ripens in August.

187. *R. hispidus*, Linn. *Swamp Blackberry*. (Reeks).

188. *R. occidentalis*, Linn. *Black Raspberry*. West of Random (Cormack).

189. *R. strigosus*, Michx. *Red Raspberry*. Very common in most parts of the country. July. *Lab*: (Cat. I., 130). In inland gulches (Butler); frequent in many places from the Straits to Hamilton Inlet. *Flora Miqueloniensis*.

190. *R. triflorus*, Richards. *Deuberry, Plumboy*. Common in many places in woods and wet places. May, June. *Lab*: (Cat. I., 130); hillsides in S. Labrador (Butler); Capstan Island, and several places in the Strait and more northern (A. C. W.) July, August. *Flora Miqueloniensis*. Damp and stony places; common. July.

191. *R. villosus*, Ait. *Thimbleberry or Bramble*. (*English Blackberry*). Several places in Trinity and Fortune Bays (A. C. W.); Cairn Mountain, Flat Bay (Bell); Brigus and Topsail (Cat. III., 514). July. I have never or scarcely ever seen the fruit fully ripe, but I am assured that the berries ripen fully, and are sold in small quantities about Burin.

a. Var: *frondosus*, Torrey. (Cat. I., 131).

b. Var: *humifusus*, Torr. and Gray. S. John's (Miss Southcott); New Harbour and Harbour Breton (A. C. W.) The specimen from New Harbour is reported by Prof. Macoun as near var. *humifusus*.

192. *R. Idæus*, Linn. *Flora Mig.*; marshy, peaty and stony place; common. August.

192½. *Sibbaldia procumbens*, Linn. *Lab*: Cape Chidley (Cat. I., 138; III., 516). Labrador (McGill College Herb.); Hopedale (Weiz) [Packard].

193. *Spiræa salicifolia*, Linn. *Common Meadow Sweet*. (*Deadman's flowers*). (Reeks); S. John's (Miss Southcott); fairly common in Trinity Bay and elsewhere (A. C. W.); low, damp places, generally near ponds and margins of streams from Newfoundland to base of Rocky Mountains (Cat. I., 126). *Flora Mig.*; common. August.

194. *S. tomentosa*, Linn. *Hardhack, Steeplebush*. (Reeks).

XXII. SAXIFRAGACEÆ. *Saxifrage Family*.

195. *Mitella diphylla*, Linn. *Mitre-wort or Bishop's cap*. Cow Head? (A more common species than the next. Reeks.)

196. *Mitella nuda*, Linn. *Dwarf or Naked-stalked Mitella*, (Cat. I., 157). Several places about New Harbour (A. C. W.—Macoun); Flat Bay (R. Bell); common at Cow Head (Reeks); Englee (A. C. W.) July, August. Woods. *Lab*: (Cat. I., 157). Hillsides, Forteau (S. R. Butler), and several other places in Southern Labrador (A. C. W.); cool, damp places (Hooker). [Packard]. July, August.

197. *Parnassia parviflora*, D. C. (Cat. I., 159). *Lab*: (Cat. I., 159). L'anse au Mort, Holton, Forteau and Long Point (A. C. W.—Macoun and Fowler). July, August. Wet places.

198. *P. palustris*, Linn. *Common Grass of Parnassus*. Doubtful specimen from Chance Cove (A. C. W.—Macoun). *Lab*: (Cat. I., 159). Hopedale (Weiz), (Hooker) [Packard]. Fox Harbour and Battle Harbour (A. C. W.) July. Wet rocky places.

199. *P. Kotzebuei*, Cham. and Schlecht. *Lab*: (McGill College Herb.—Cat. I., 160). Hopedale (Weiz), [Packard].

200. *Ribes prostratum*, L'Her. *Fetid or Mountain Currant*. (Cat. I., 162); near Cairn Mount, Flat Bay (R. Bell); West of Random (Cormack); S. John's (Miss Southcott); New Harbour (A. C. W.) May and June. *Lab*: (Cat. I., 162). Common in

ravines of Southern Labrador (S. R. Butler); S. Michæls and L'anse au Clair (A. C. W.—Macoun and Fowler), July, August. *Flora Miq.*; rare. July.

201. *R. rubrum*, Linn. *Red Currant*. (Reeks); Great Cod Roy River (R. Bell). July.

202. *R. lacustre*, Poir. *Swamp Gooseberry* (Cat. I., 162); Great Cod Roy River (R. Bell); (Reeks), Englee, in White Bay (A. C. W.) July. *Lab*: (Cat. I., 162); common in ravines in Southern Labrador (S. R. Butler), L'anse au Clair and L'anse au Mort (A. C. W.—Fowler). July, August. Wet woods.

203. *R. oxyacanthoides*, Linn. *Smooth Wild Gooseberry* (Cat. I., 161); S. John's (Miss Southcott); Harbour Breton and Belleoram (A. C. W.) *Lab*: L'anse au Clair (A. C. W.—Fowler). July.

204. *Saxifraga Aizoon*, Jacq. *Ferryland or White Bay* (Revd. R. Temple—Fowler). *Lab*: (Cat. I., 150), (Judge Morrison); Hopedale (Weiz) [Packard].

205. *S. aizoides*, Linn. *Yellow Mountain Saxifrage*. Port a Port, S. George's Bay (R. Bell), (Cat. I., 155). White Bay? (Revd. R. Temple—Fowler). *Lab*: on rocks, Forteau (S. R. Butler); Nachvak (R. Bell) [Cat. III., 525]; Hopedale (Weiz) [Packard]; L'anse au Mort (A. C. W.—Fowler). Rocky banks. August.

206. *S. cæspitosa*, Linn. *Tufted Alpine Saxifrage*. (McGill Coll. Herb.) [Cat. I., 150]. Englee (A. C. W.) *Lab*: Forteau Bay (S. R. Butler) Nachvak (Cat. I., 150; III., 523). Battle Harbour (A. C. W.)

Var: *Grænlandica*, Wahl. *Lab*: Hopedale (Weiz). [Packard; perhaps all the last references belong here.]

207. *S. cernua*, Linn. *Drooping Bulbous Saxifrage*. (Pursh. Cat. I., 151). *Lab*: (Pursh. Cat. I., 151; III., 524); Cape Chidley (R. Bell); Hopedale (Weiz), [Packard].

208. *S. nivalis*, Linn. *Clustered Alpine Saxifrage*. *Lab*: (Pursh), Nachvak. Cape Chidley (R. Bell. Cat. I., 152; III., 524); Hopedale (Weiz). Caribou Island (S. R. Butler—Packard); Bolster Rocks (Revd. J. H. Bull—Macoun). August.

209. *S. oppositifolia*, Linn. *Purple Mountain Saxifrage*. (Cat. I., 149; in dense clusters in exposed places at Goblin Head, Hermitage Bay (Dr. Fitzgerald—Macoun). *Lab*: Cape Chudleigh (Cat. I., 109; III., 523); Battle Harbour (Revd J. H. Bull—Fletcher); rocks, Amour (S. R. Butler); Hopedale (Weiz), [Packard]; L'anse au Mort (A. C. W.) August.

210. *Saxifraga rivularis*, Linn. *Alpine Brook Saxifrage*. S. Anthony (A. C. W.) August. *Lab*: (McGill Coll. Herb.), Nachvak, Cape Chudleigh (R. Bell. Cat. I., 151; III., 523); Hopedale (Weiz) [Packard]; Battle Harbour and Holton (A. C. W.) July.

211. *S. stellaris*, Linn. *Starry Saxifrage*. *Lab*: (Morrison. Cat. I., 152).

212. *S. tricuspидata*, Retz. *Lab*: (McGill Coll. Herb.) Nachvak (R. Bell), (Cat. I., 154; II., 525).

213. *S. hieracifolia*, Waldst. and Kit. *Lab*: Hopedale (Weiz.) [Packard].

XXIII. CRASSULACEÆ. *Orpine Family*.

214. *Penthorum sedoides*, Linn. *Ditch Stone-crop*. (Reeks).

215. *Sedum Rhodiola*, D. C. *Rose root (Midsummer men, on the Labrador, also, Houseleek and Scurvy Grass)*. (Cat. I., 165), Common in many parts of Newfoundland, especially on sea-cliffs. *Lab*: (Cat. I., 165). Frequent along the coast (A. C. W.) [Packard]. *Flora Miq.* Rare. July. Cleft of rocks.

216. *S. Telephium*, Linn. *Live for Ever*. S. John's Hospital grounds (A. C. W.—McKay). August. *Lab*: L'anse au Mort (A. C. W.—Fowler). Sea-beech. August.

217. *S. acre*, Linn. *Mountain Moss*. S. John's (Miss Cowling). Specimen named by Mr. Fletcher doubtfully.

XXIV. DROSERACEÆ. *Sundew Family*.

218. *Drosera rotundifolia*, Linn. *Round-leaved Sundew (Flycatcher)*. "A common inhabitant of peat bogs and marshes from Newfoundland and Labrador to the Pacific and north to, and beyond, the Arctic Circle." (Cat. I., 165. *Flora Miq.*; in all marsh places of the Island. July, August. [Called *Musk rat flower* in White Bay].

219. *D. Anglica*, Hudson. *Great Sundew*. (Watson; Cat. I., 166).

220. *D. intermedia*, Drev. and Hayne. Var. *Americana*, D. C. *Long-leaved Sundew*. New Harbour (A. C. W.); sphagnum swamp, Manuel's (Robinson and Schrenk); Ferryland or White Bay (Revd. R. Temple—Fowler). August. *Flora Mig.* Less common than the first named. July, August.

XXV. HALORAGÆE. *Water Milfoil Family.*

221. *Myriophyllum spicatum*, Linn. *Spiked Water Milfoil*. In abundance about Deer Lake, on West Coast (R. Bell). (Cat. I., 166).

222. *M. alternifolium*, D. C. Whitbourne. Immersed in shallow water of ponds (Robinson and Schrenk). August.

223. *M. verticillatum*, Linn. *Whorled Water Milfoil* (Reeks). *Flora Mig.* This and the first in stagnant water of the plain and Market Place Point of Miquelon. Common. July.

224. *M. tenellum*, Bigl. Water places (Cat. I., 167); (Reeks); New Harbour Brook (A. C. W.); shallow water, Quidi Vidi Lake, S. John's (Robinson and Schrenk). August.

225. *Hippuris vulgaris*, Linn. *Common Mare's Tail*. Pools of water and margins of lakes in Newfoundland and Labrador (Cat. I., 167); near Bonne Bay, rare (Reeks); muddy banks Exploits River, near the mouth of Badger's Brook (Robinson and Schrenk); ponds, Tickle Harbour and Harbour Deep (A. C. W.) August. *Lab*: Cape Chudleigh (R. Bell. Cat. I., 167; III., 529); Hopedale (Weiz) (Packard]; Fox Harbour (A. C. W.) *Flora Mig.* Damp places; common. July.

226. *H. maritima*, Hellenius. *Lab*: (Morrison. Cat. I., 168).

227. *Callitriche verna*, Linn. *Spring Starwort*. (Reeks). *Lab*: Capstan Island, Long Point and Battle Harbour (A. C. W. Macoun and Fowler); ponds.

228. *C. autumnalis*, Linn. *Autumnal Starwort*. Green's Harbour (A. C. W.) August.

229. *C. heterophylla*, Pursh. Whitbourne; borders of ponds (Robinson and Schrenk.) August.

XXVI. ONAGRACEÆ. *Evening Primrose Family.*

230. *Circœa alpina*, Linn. *Mountain or Alpine Enchanter's Nightshade.* Flat Bay Brook (R. Bell); (Reeks); rocky banks, Manuel's River (Robinson and Schrenk); near Green's Harbour (A. C. W.) August.

231. **Epilobium latifolium*, Linn. (McGill Coll. Herb. Cat. I., 169). *Lab*: Amour Bay (S. R. Butler); Battle Harbour and L'anse au Mort (A. C. W.—Macoun and Fowler); Hopedale (Weiz). [Cat. I., 129; Packard]. August. Sea-beech.

232. *E. spicatum*. Law. (*E. angustifolium*.) *Fireweed, Narrow-leaved Willow Herb.* (Cat. I., 168), Common in Newfoundland, especially in burnt woods. *Lab*: Various places in Southern Labrador and Sandwich Bay (A. C. W.); Hopedale (Weiz); (Hooker); Nain and Nachvak (R. Bell—Packard). August. *Flora Mig.* Damp places or more often dry. Common. July, August.

233. *E. adenacaulon*, Haussk. (*E. coloratum*, Muhl and *E. tebagenum*, Linn.) Port à Port and Brigus (R. Bell); banks of South Arm, Holyrood, and rocky banks of Rennie's River, S. John's (Robinson and Schrenk); Englee, Couche, South Dildo (A. C. W.); (McGill Coll. Herb. Cat. I., 169; III., 530). July and August. *Lab*: L'anse au Clair and S. Michaels (A. C. W.—Fowler and Macoun). August. *Flora Mig.* Stony places; common. August.

234. *E. palustre*, Linn. *Marsh Willow herb.* (Reeks); Conche and New Harbour (A. C. W.); Bally Heilly Bog, S. John's (Robinson and Schrenk). August. *Lab*: (Morrison. Cat. II., 459); Hopedale (Weiz); [Packard]; Pack's Harbour, Forteau, Blanc Sablon, Battle Harbour and Mullin's Cove (A. C. W.—Fowler and Macoun). August. *Flora Mig.* Marsh or wet places; common. August.

Var: *Lineare*, Gray. New Harbour (A. C. W.)

*The nomenclature of the *Epilobium* genus adopted is that given by Prof. Macoun in his "contributions from the Herb of Geol. Survey of Canada," II., p. 80; based upon its revision by Dr. Wm. Trelease: that is, as far as was possible to the writer.

Labradorica, Haussk. Moist places on rocky hills, S. John's (Robinson and Schrenk). August.

235. *E. alpinum*, Linn. *Alpine Willow Herb.* (Reeks). *Lab*: South Coast (Brunet. Cat. I., 169); wet places at Forteau (S. R. Butler); Cape Chudleigh (R. Bell. Cat. III., 530); Hopedale (Weiz) [Packard]. *Flora Mig.* Mentioned by Southier but not met with.

236. *E. Hornemanni*, Reichenb. *Lab*: Pinware River, Cartwright, Forteau, Blanc Sablon and Pack's Harbour (A. C. W.—Fowler, Eaton and Macoun). July, August. Wet places.

237. *E. anagallidifolium*, Lan. *Lab*: Cape Chidley (R. Bell; contributions from Herb. of Geol. S. of Canada, II., 85).

238. *E. strictum*, Muhl. (*E. molle*, Torr.) Pipe Stone Road, Bay Despair, Hermitage Bay (Jas. Howley—Macoun).

239. *Ænothera biennis*, Linn. *Common Evening Primrose.* Ferryland or White Bay (Revd. R. Temple—Fowler); near Badger Brook, Exploits (Revd. J. V. Bull—Fowler); New Harbour and Harbour Breton (A. C. W.) July.

240. *A. pumila*, Linn. *Dwarf Evening Primrose.* South Dildo (A. C. W.) July.

XXVII. UMBELLIFERÆ. Parsley Family.

241. *Archangelica atropurpurea*, Hoffm. *Great Angelica.* (Reeks). West Coast (R. Bell. Cat. I., 185); confluence of Exploits and Badger Rivers (Robinson and Schrenk). August. *Lab*: South coast of Amour Bay and Caribou Island (S. R. Butler); Hopedale (Weiz—Packard); Battle Harbour (A. C. W.) September.

242. *A. Gmelini*, D. C. *Lab*: (McGill Coll. Herb. Cat. I., 186); Straits of Belle Isle (S. Cyr—Packard); Battle Harbour (A. C. W.) September. *Flora Mig.* Damp places; common. July.

243. *Carum carui*, Linn. *Garden Carraway.* S. John's (Miss Southcott—Macoun); Green's Harbour (A. C. W.) *Lab*: Smack Cove and Cape Charles (A. C. W.) Sept.

244. *Conioselinum Canadense*, Torr and Gray. S. George's Bay (Howley—Macoun); New Harbour and Harbour Breton

(A. C. W.); *Lab*: Battle Harbour (J. H. Bull—Macoun); Venison Tickle (A. C. W.) August. *Flora Mig.* Peaty places; common. August.

245. *Cicuta maculata*, Linn. *Spotted Cowbane*. New Harbour Brook (A. C. W.)

246. *C. bulbifera*, Linn. *Narrow-leaved Hemlock*. West of Random (Cormack).

247. *Daucus carota*, Linn. *Carrot*. (Reeks).

248. *Heracleum lanatum*, Michx. *Downy or Cow Parsnip* (Health root or Hell trot). Common in many places. *Lab*: (Cat. I., 187); fairly frequent in Straits of Belle Isle and northwards (A. C. W.); Caribou Island (S. R. Butler), (Hooker), [Packard]. *Flora Mig.* Damp and sandy places; very common. July, August.

249. *Ligusticum Scoticum*, Linn. *Scotch Lovage* (Cat. I., 184); West of Random (Cormack); Placentia, crevices of cliffs (Robinson and Schrenk); New Harbour and various other places (A. C. W.) August. *Lab*: (Brunet. Cat. I., 184); Caribou Island (S. R. Butler); Battle Harbour, Capstan Island, etc., (A. C. W.—Macoun and Fowler). August, September. Sea cliffs. *Flora Mig.* Dry or damp places; very common. July.

250. *Osmorrhiza brevistylis*, D. C. *Hairy Sweet Cicely*. *Lab*: Capstan Island and Forteau (A. C. W.—Fowler). August. Low woods.

251. *Sanicula Canadensis*, Linn. *Canada Sanicle*. (Reeks).

252. *S. Marylandica*, Linn. (Cat. I., 179); banks of Exploit. River and confluence of Badger Brook (Robinson and Schrenk). August.

253. *Sium cicutæfolium*, Gmelin. *Water Parsnip*. New Harbour Brook (A. C. W.), shallow water and muddy banks, Whitbourne (Robinson and Schrenk). August, Oct.

254. *Selinum Benthami*, Wats. *Lab*: (Morrison. Cat. I., 185.)

XXVIII. ARALIACEÆ. *Ginseng Family.*

255. *Aralia racemosa*, Linn. *Spikenard, Pelly Morrel*. (Reeks). A doubtful specimen from Englee (A. C. W.—A. H. MacKay.)

256. *A. hispida*, Vent. *Dwarf Elder* (Cat. I., 189); barenens at confluence of Exploit and Badger Rivers (Robinson and Schrenk); Topsail (Prof. Holloway—Macoun). August.

257. *A. nudicaulis*, Linn. *Wild Sarsapailla*. Near Flat Bay Brook (R. Bell); (Reeks); St. John's, rocky hills (Robinson and Schrenk); several places about New Harbour and Harbour Breton (A. C. W.) August. *Flora Miq.* Peaty places, often sterile. July.

XXIX. CORNACEÆ. *Dogwood Family.*

258. *Cornus Canadensis*, Linn. *Dwarf Cornel or Bunchberry*. (Cracke or *Bunchberry*.) "Very abundant in cold sandy woods from the Atlantic to the Pacific" (Cat. I., 190). June, July. *Lab*: Common on the Straits of Belle Isle and northwards (A. C. W.) *Flora Miq.* Very common. June, July.

259. *C. Suecica*, Linn. *Lapland Cornel*. (Morrison. Cat. I., 190); Great Cod Roy Island. Grows everywhere in profusion with the last; quite as common as that all along the N. West and on North Shore, nearly as far as Point de Monts (R. Bell); common at Cow Head (Reeks); at Harbour Breton, Brunet, New Harbour and Exploits (A. C. W.—Macoun and Fowler). July, August. *Lab*: Common everywhere (S. R. Butler); Nain (R. Bell); Hopedale (Weiz), [Packard]. July, August. *Flora Miq.* Heathlands, somewhat moist; very common. June, July.

260. *Cornus circinata*, L'Her. *Round-leaved Cornel or Dogwood*. Trinity Bay (Cormack); Great Cod Roy River (R. Bell).

261. *C. sericea*, Linn. *Silky Cornel*. (Reeks).

262. *C. stolonifera*, Michx. *Red Brier, Kinnikinnik (Red Rod)*. Appears to be frequent in many places; Great Cod Roy River (R. Bell); (Reeks); New Harbour, Harbour Breton and White Bay (Macoun and Fowler). July. *Flora Miq.* Rare. July.

263. *C. paniculata*, L'Her. *Panicled Cornel* (Reeks).

264. *C. alternifolia*, Linn. *Alternate-leaved Cornel*. Cairn Mountain, Flat Bay (R. Bell). July.