

Ferns of Barro Colorado-- Wetmore and Woodworth.

November, 1929.
Det. C. A. W.

- 10 1. *Nephrolepis biserrata* (Sw.) Schott
- 10 2. *Acrostichum aureum* L.
- 10 3. *Saccoloma elegans* Kaulf.
- 10 4. *Cyclopeltis semicordata* (Sw.) J. Sm.
- 10 5. *Diplazium delitescens* Maxon
- 10 6. *Diplazium grandifolium* Sw.
- 10 7. ~~*Diplazium grandifolium* Sw.~~ *Tectaria* sp.
- 10 8. *Dictyoxiphium panamense* Hook.
- 10 9. *Lygodium radiatum* Prantl
- 1 10. *Lygodium polymorphum* (Cav.) HBK
- 1 11. *Lygodium polymorphum* (Cav.) HBK.
- 1 12. *Hemitelia petiolata* Hook.
- 1 13. *Hemitelia petiolata* Hook.
- 1 14. *Hemitelia petiolata* Hook.
- 1 15. *Hemitelia petiolata* Hook.
- 1 16. *Alsophila*
- 1 17. *Adiantum lucidum* Sw.
118. Probably young *Asplenium laetum* Sw.
119. *Adiantum villosum* Sw
120. *Adiantum* sp. Often collected in Panama, but as yet not identified and
121. *Adiantum villosum* Sw. probably undescribed.
122. *Adiantum obliquum* Willd.
123. *Pteris propinqua* Ag
124. *Pteris propinqua* Ag.
125. *Polypodium* ? too young
126. *Pteris Kunzeana* Ag.
127. *Leptochilus cladorrhizans* (Spreng.) Maxon
- ✓ 128. *Dryopteris nicaraguensis* (Fourn.) C. Chr.
129. *Diplazium delitescens* Maxon
130. *Polybotrya caudata* Kze.
131. *Nephrolepis pendula* (Raddi) J. Sm.

- ✓ 132. *Asplenium auritum* Sw.
 ✓ 133. *Asplenium pteropus* Kaulf.
 134. *Polypodium costaricense* Christ
 135. *Dryopteris?* (too young for identification)
 136. " " " " "
 137. *Stenochlaena vestita* (Fourn.) Underw. young plants?
 138. *Polypodium pectinatum* L.
 139. *Trichomanes diversifrons* (Bory) Mett.
 140. *Polypodium pectinatum* L.
 141. *Polypodium pectinatum* L.
 142. *Nephrolepis pendula* (Raddi) J. Sm.
 143. *Polypodium phyllitidis* L.
 144. *Polypodium phyllitidis* L.
 145. *Polypodium crassifolium* L.
 146. *Stenochlaena vestita* (Fourn.) Underw.
 147. *Stenochlaena*
 148. *Stenochlaena vestita* (Fourn.) Underw.
 ✓ 149. *Blechnum serrulatum* Rich. Standley + Kenoyer missed this.
 150. *Polypodium*. Very likely the unidentified species of the group of *P. pectinatum*
 mentioned by Kenoyer (*Ann. Bot. Soc. Lond.* 18: 12, 1928). This group is badly in need
 151. *Trichomanes diversifrons* (Bory) Mett. of revision.
 152. *Eschatogramme furcata* (L.) Trev.
 153. *Asplenium serratum* L.

Selaginellas.

154. *Selaginella haematodes* (Kze.) Spring
 155. *Selaginella haematodes* (Kze.) Spring
 156. *Selaginella haematodes* (Kze.) Spring
 157. *Selaginella haematodes* (Kze.) Spring
 158. *Selaginella conduplicata* Spreng.
 159. *Selaginella sylvatica* Baker
 160. *Selaginella conduplicata* Spreng.
 160. *Dryopteris gonolodes* (Schk.) Ktze.

Plants Collected on Barro Colorado Island by R.H.
Wetmore and E. C. Abbe

1. *Aristolochia sylvicola* Standl.
- 1a. " " It is a pleasant surprise to have such fine material of this rare species. It will now be possible to prepare a complete description of it.
2. *Aphelandra Sinclairiana* Nees
3. *Psychotria marginata* Sw.
4. *Cephaelis tomentosa* (Aubl.) Vahl
5. *Quassia amara* L.
- 5a. " "
6. *Clitoria arborescens* Ait.
7. *Wulffia baccata* (L.f.) Kuntze
8. *Byttneria aculeata* Jacq. (*Buettneria*).
- 8a. " "
9. *Conostegia speciosa* Naud.
- 10a. *Gurania suberosa* Standl. This is the first time that the pistillate flowers have been collected.
11. *Dalechampia dioscoreifolia* Poepp. & Endl. Not listed for Barro Colorado. It turned up for the first time in Shattuck's last sending.
12. *Mucuna rostrata* Benth. Not listed for the island, but included in the list of additions that is now ready for printing.
13. *Arrabidaea pachycalyx* Sprague
14. *Myriocarpa yzabalensis* (Donn.Smith) Killip
15. *Inga Goldmanii* Pittier
16. *Manettia coccinea* (Aubl.) Willd. Not listed for the island.
17. *Nectandra globosa* (Aubl.) Mez. Not yet listed for the island.
18. *Coussarea impetiolearis* Donn. Smith. Not listed
19. *Annona acuminata* Safford
20. *Heisteria longipes* Standl.
21. *Paullinia* sp. Probably a new species, but the material is not ample enough for thorough study. There are on the island two or three species of this genus of uncertain standing, of which only incomplete material is available at present. It would be highly desirable to get as many collections as possible there of this genus.
- 21a. *Paullinia*. Same species.
22. *Neea Pittieri* Standl.
23. *Piper cordulatum* C. DC.
24. *Hibiscus sororius* L.f.
25. *Hibiscus sororius* L.f., f. *albiflorus* Standl., f. nov. I have seen no material previously of this white-flowered form.
26. *Passiflora punctata* HBK. Altogether new for the island.
27. *Jussiaea suffruticosa* L.
28. *Tanaecium Zetekii* Standl. As yet unpublished
29. *Mabea occidentalis* Benth.
30. *Kohleria tubiflora* (Cav.) Hanst.
31. *Echites trifida* Jacq.
32. *Anguria Warszewiczii* Hook. f.
33. *Melochia lupulina* Sw. Not listed.
34. *Inga Pittieri* Micheli. Not listed.
35. *Adelia triloba* (Muell. Arg.) Hemsl. Altogether new for Barro Colorado.

36. *Eupatorium odoratum* L.
37. *Melanthera aspera* (Jacq.) L. Rich. Not listed.
38. *Cissus sicyoides* L.
39. *Solanum scabrum* Vahl.
40. *Inga Roussoviana* Pittier
41. *Hamelia nodosa* Mart. & Gal.
42. *Andira inermis* HBK.
43. *Nectandra globoso* (Aubl.) Mez
44. *Apeiba tibourbou* Aubl.
- 45a. *Canavalia panamensis* Piper. Not listed
46. *Olmedia aspera* R. & P.
47. *Ochroma limonensis* Rowlee
48. *Gouania lupuloides* (L.) Urban
49. *Solanum umbellatum* Mill.
50. *Gurania coccinea* Cogn.
51. *Verbesina myriocephala* Schultz Bip.
52. *Pavonia dasypetala* Turcz.
53. *Mucuna Andreana* Micheli. Altogether new for Barro Colorado.
54. *Cassia bacillaris* L.
55. *Swartzia simplex* (Sw.) Spreng.
- 55a. *Cassia undulata* Benth.
56. *Martinella verrucosa* Standl. Not listed
57. *Belotia panamensis* Pittier
58. *Arrabidaea pachycalyx* Sprague
59. *Hyptis capitata* Jacq.
60. *Cassia bacillaris* L.
61. *Dioclea guianensis* Benth.
62. *Swartzia simplex* (Sw.) Spreng.
63. *Banisteria cornifolia* (HBK.) Spreng. Altogether new for the island.
- 63a. *Stigmaphyllon Humboldtianum* Juss.
64. *Dioclea reflexa* Hook.
65. *Serjania cornigera* Turcz. Not listed.
- 65a. " "
67. *Gouania lupuloides* (L.) Urban
68. *Davilla rugosa* Poir.
69. *Vismia ferruginea* HBK.
71. *Petastoma patelliferum* (Schlecht.) Miers
72. *Inga edulis* Mart.
75. *Cassia bacillaris* L.
66. *Clibadium surinamense* L. No. 66.
70. *Conarus panamensis* Griseb.
73. *Theobroma purpureum* Pittier
76. *Passiflora vitifolia* Seem.
77. *Eupatorium Billbergianum* Beurl. Not listed.
78. *Alibertia edulis* (L. Rich.) A. Rich.
- 78a. " "
- 80a. *Bombacopsis sessilis* (Benth.) Pittier
81. *Tovomitopsis nicaraguensis* (Oerst.) Planch. & Triana
82. *Cyphomandra mollicella* Standl.
83. *Mendoncia retusa* Turrill
84. No. specimen
85. *Tabebuia pentaphylla* (L.) Hemsl.
86. *Melochia lupulina* Sw.
- ✓ 87. *Eupatorium Billbergianum* Beurl.
88. *Triumfetta Lappula* L.

89. *Hippocratea volubilis* L.
91. *Machaerium Seemanni* Benth.
92. *Salacia praecelsa* (Miers) Standl.
93. *Vismia viridiflora* Duchass.
94. *Mangifera indica* L.
95. *Marcgravia nepenthoides* Seem. Not listed
96. *Wulffia baccata* (L.f.) Kuntze
97. *Inga leptoloba* Schlecht.
98. *Strychnos toxifera* Benth. One of the ingredients of curare poison.
99. *Heisteria longipes* Standl.
100. *Hibiscus sorarius* L.f., f. *albiflorus* Standl.
101. *Inga Roussoviana* Pittier
102. *Byrsonima crassifolia* (L.) DC.
103. *Turnera panamensis* Urban
- 103a. " "
104. *Jacaranda copaia* (Aubl.) Don.
105. *Hirtella racemosa* Lam. Altogether new for the island
106. *Pavonia dasypetala* Turcz.
107. *Beloperone graciliflora* Standl., sp. nov. Collected also by Shattuck.
108. *Heliocarpus popayanensis* HBK.
110. *Bombax barrigon* (Seem.) Dcne. It is hard to understand how this has escaped listing for the island, but it is not reported.
111. *Didymopanax Morototoni* (Aubl.) Dcne. & Planch.
112. *Rheedia madruno* Planch. & Triana
113. *Asclepias curassavica* L.
114. *Sterculia apetala* (Jacq.) Karst.
116. *Zanthoxylum panamense* P. Wilson
117. *Verbesina myriocephala* Schultz. Bip.
118. *Stylogyne ramiflora* (Oerst.) Mez.
119. *Prestonia obovata* Standl.
120. *Clitoria arborescens* Ait.
121. *Siparuna pauciflora* (Beurl.) A. DC.
122. *Blechum panamense* Lindau
123. *Piper paulownifolium* C. DC.
124. *Apeiba tibourbou* Aubl.
125. *Gustavia superba* (HBK.) Berg.
126. *Ficus crassiuscula* Warb.
127. *Ouratea Wrightii* (Van Tiegh.) Riley
128. *Cecropia mexicana* Hemsl. Probably. It is impossible to be certain regarding *Cecropias* without inflorescences
129. *Inga laurina* (Sw.) Willd.
130. *Bixa Orellana* L.
131. *Neurolaena lobata* (L.) R. Br.
132. *Funastrum clausum* (Jacq.) Schlechter
133. *Uncaria tomentosa* (Willd.) DC.
134. *Carica Papaya* L.
135. *Combretum farinosum* HBK. Altogether new for the island.
136. *Echites trifida* Jacq.
137. *Mikania micrantha* HBK.
138. *Strychnos panamensis* Seem.
139. *Cissus rhombifolia* Vahl
140. *Passiflora biflora* Lam.
141. *Ouratea Wrightii* (Van Tiegh.) Riley
142. *Rourea glabra* HBK.
143. *Andira inermis* HBK.

144. *Ossaea diversifolia* (Bonp.) Cogn.
 144a. " " "
 145. *Adelia triloba* (Muell. Arg.) Hemsl.
 146. *Eupatorium odoratum* L.
 147. *Passiflora Seemanni* Griseb. Altogether new for the island.
 It is one of the two or three most beautiful flowers of the
 Canal Zone
 148. *Orycctanthus spicatus* (Jacq.) Eichl.
 149. *Psidium Guajava* L.
 150. *Pavonia paniculata* Cav. The only collection from the island.
 151. *Andira inermis* HBK.
 152. *Luehea Seemannii* Triana & Planch.
 153. *Adelia triloba* (Muell. Arg.) Hemsl.
 154. *Cissus sicyoides* L.
 155. *Virola guatemalensis* (Hemsl.) Warb. The species is a new one
 for Panama. I may have to revise the specific determination.
 At any rate, the tree represented is altogether new for the Canal
 Zone
 156. *Dalechampia tiliifolia* Lam. Not listed.
 157. *Centrosema pubescens* Benth. First collection from the island.
 158. *Echites microcalyx* A. DC.
 159. *Ipomoea tiliacea* (Willd.) Choisy. Not listed.
 160. *Hippocratea volubilis* L. I was badly fooled at first by this
 collection, and did not suspect its proper place. The flowers
 seem to be much distorted by insects, so that they suggest some
 other family. Probably they would be worth investigating. There
 are a few normal flowers here and there in the inflorescences.
 161. *Cassipourea podantha* Standl.
 162. *Petrea volubilis* Jacq.
 163. *Petastoma patelliferum* (Schlecht.) Miers
 164. *Cnestidium rufescens* Planch.
 165. *Colubrina rufa* Reissek. First collection for Barro Colorado.
 166. *Cassia reticulata* Willd.
 167. *Xylopiia frutescens* Aubl.
 168. *Smilax panamensis* Morong
 169. *Chrysophyllum panamense* Pittier
 170. *Rourea glabra* HBK.
 171. *Calycolpus Warscewiczianus* Berg.
 172. *Hyptis capitata* Jacq.
 173. *Hamelia nodosa* Mart. & Gal.
 174. *Triumfetta Lappula* L.
 175. *Baccharis trinervis* (Lam.) Pers.
 176. *Solanum diversifolium* Schlecht.
 177. *Cissampelos Pareira* L.
 178. " " "
 179. *Prestonia ipomoeifolia* A. DC.
 180. *Clibadium surinamense* L.
 181. *Inga punctata* Willd.
 182. *Tetracera volubilis* L. Not listed.
 183. *Platypodium Maxonianum* Pittier
 184. *Davilla rugosa* Poir.
 185. *Ipomoea polyanthes* R. & S. Not listed
 186. *Tetrapteris Seemanni* Triana & Planch. First collection for
 the island.
 187. *Hibiscus sororius* L.f., f. *albiflorus* Standl.
 188. *Hibiscus sororius* L.f.

189. *Jussiaea leptocarpa* Nutt. Not listed
190. *Vigna vexillata* (L.) A. Rich.
191. *Neurolaena lobata* (L.) R. Br.
192. *Ipomoea Morelii* Duchass. & Walp. First collection for the island.
193. *Picramnia latifolia* Tulasne. First record for the island.
194. *Anacardium excelsum* (Bert. & Balb.) Skeels
195. *Paullinia turbacensis* HBK.
196. *Hasseltia floribunda* HBK.
197. *Tocoyena Pittieri* Standl. Not listed
198. *Hirtella triandra* Sw.
199. *Anacardium excelsum* (Bert. & Balb.) Skeels
200. *Solanum salviifolium* Lam.
201. *Tournefortia obscura* A. DC.
202. *Vincetoxicum dubium* (Pittier) Standl. First collection for Barro Colorado.
203. *Solanum Hayessi* Fernald
204. *Cecropia mexicana* Hemsl.
205. *Acacia riparia* HBK. Not listed.
206. *Paullinia pinnata* L.
208. *Vernonia canescens* HBK.

Plants of Barro Colorado Island, collected by R. H.
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209. *Arrabidaea pachycalyx* Sprague. The glands at the nodes give this plant away.
210. *Paragonia pyramidata* (L. Rich.) Bur.
214. *Vismia viridiflora* Duchass.
215. *Aeschynomene sensitiva* Sw.
216. *Aniseia martinicensis* (Jacq.) Choisy
217. *Paullinia pinnata* L.
218. *Macrocnemum glabrescens* (Benth.) Weddell
219. *Prestonia macrocarpa* Hemsl.
220. *Stigmaphyllon Humboldtianum* Juss.
221. *Odontadenia speciosa* Benth.
222. *Paullinia alata* Don
223. *Inga multijuga* Benth. New for the island.
224. *Hura crepitans* L.
225. " "
226. *Mykosyrinx Cissi* (DC) G. Beck
246. *Operculina codonantha* (Benth.) Hallier. Species new for the Canal Zone. There is some slight uncertainty regarding the specific name.
247. *Oreopanax capitatum* (Jacq.) Dcne. & Planch. Not listed for the island, and collected there only recently. Araliaceae.
248. *Oreopanax capitatum* (Jacq.) Dcne. & Planch.
277. *Cochlospermum vitifolium* (Willd.) Spreng.
303. *Ficus Tonduzii* Standl.
305. *Bauhinia* sp. This has been collected numerous times in the Canal Zone, but never has been found with flowers or fruit, According to Britton and Rose, it is an undescribed species.
