

Feb. 1, 1894 to March 1, 1894.

Plants of the Linnhardt Expedition^{1-9 to} collected
by C. V. Hartman
Sonora, 1890.

1. *Sium angustifolium*, L.
2. *Cnicus Wrightii*, Gray.
3. *Alternanthera aegyptiaca*, R. Br.
- ✓ 4. *Philibertia cynanchoides*, Desme, var. *subtruncata*, Rob. & Fern. H. B. K.
5. ~~*Quercopsis*~~ *Houttuynia Californica*, Benth.
- ✓ 6. *Abutilon incanum*, Don.
7. *Iresine celosioides*, L.
8. *Porophyllum Securaum*, Sch. Bip.
- ✓ 9. *Jacquemontia Pinckneyi*, Gray, var. *glabrescens*, Gray?
10. *Arbutus Calapensis*, H. B. K.
11. *Andropogon hitchcockii*, Kth.
- ✓ 12. *Marrubium vulgare*, L.
13. (Characeae)
14. *Dalea albiflora*, Gray.
15. *Hydrocotyle ranunculoides*, L. f.
- ✓ 16. *Lippia nodiflora*, Michx.
17. *Eriogonum Wrightii*, Torr.
18. *Nicotiana trigonophylla*, Don.
19. *Guilleminia illecebroides*, H. B. K.
- ✓ 20. *Stipa flexuosa*, Vasey.
21. *Tragia stylaris* Mull.?
22. *Dalea formosa*, Torr.
23. *Gomphrena nitida*, Rothr.
24. *Phaseolus rotundifolius*, Gray.

25. *Notholaena pinnata*, Tauff.
26. *Cheilanthes laevis*, Nutt.
27. *Eysenhardtia orthocarpa*, Watson.
28. *Mercurialis oblongifolia*, Torr.
29. *Gymnogramme Eluenbergiana*, Holzsch.
30. *Pentstemon Humboldtiana*, Griseb.
31. *Rhus virens*, Lindl.
32. *Hibiscus Coulteri*, Gray.
33. *Juniperus* - sp.
34. *Thesperma gracile*, Gray.
35. *Ingrahouisia triloba*, DC.
36. *Gomphrena Sonora*, Torr.
37. *Cyperus Schweinitzii*, Torr.
38. ~~*Christida vaginata*, Torr.?~~
~~*Mercurialis oblongifolia*, Torr.~~
39. *Cassia Wislizenii*, Gray.
40. *Polygala scoparia*, A. R. K.
41. ~~*Erythrina coralloides*, DC.~~ = *Sesbania macrocarpa* Muhl.
42. *Oregia Wrightii*, Gray.
43. *Salvia Scorodoniaefolia*, Torr.
44. *Malvastrum Humbertii*, Gray, var. *laxiflorum*, Gray.
45. *Lippia Wrightii*, Gray.
46. *Chamaeneris Californicus*, Esch.
47. *Bidens procera*, Don.
48. *Lobelia splendens*, Willd.
49. *Synhopappus Rothrockii*, Gray.
50. *Fouquieria splendens*, Engelm.
51. *Morus rubra*, L.
52. ~~*Euscuta odontolepis*, Engelm.~~
~~*Cassiflora canescens*, Gray.~~

53. *Grapphalium leucocephalum*, Gray.
- ✓ 54. *Eriogon coronarius*, Greene.
55. *Heteropogon acuminatus*, Trin.
56. *Selaginella rupestris*, Spr.
57. *Euphorbia pilulifera*, L.
- ✓ 58. *Galium Wrightii*, Gray, var. *latifolium*, Rob. & Fern, n. var.
- 59. *Mentha Canadensis*, L.
60. *Muhlenbergia calamagrostidea*, Kth.
61. *Naua hispidum*, Gray.
62. *Clematis Drummondii*, Torr. & Gray.
63. *Physalis ~~laevigata~~ glabra*, Benth. ?
64. *Rivina laevis*, L.
65. *Sapindus marginatus*, Willd.
- ✓ 66. *Euphorbia Brasiliensis*, Lam.
67. *Polygonum segetum*, HBK.
68. *Desmodium cinerascens*, Gray.
69. *Caesalpinia* ?
70. *Pectis filipes*, Gray.
71. *Melampodium longicorne*, Gray.
72. *Quercus* sp.
73. *Jugates Lemmonii*, Gray.
74. *Tillandsia recurvata*, L.
75. *Sphaeralcea incana*, Torr.
- 76. *Tetramerium hispidum*, Nees.
77. *Muhlenbergia calamagrostidea*, Kth.
78. *Gilia aggregata*, Spreng.
79. *Rhus microphylla*, Engelm.
- ✓ 80. *Rhus Canadensis*, Nash, var. *tilobata*, Gray.

- 81. *Notholaena sinuata*, Kaulf.
- 82. *Hymenathemum aelrosum*, Gray.
- 83. *Fimbristylis capillaris* - Gray.
- 84. *Dedouaea viscosa*, L.
- 85. *Panicum colonum*, L.
- 86. *Aristida Schiediana*, Trin.
- 87. *Audiopogon hirtiflorus*, Rth.
- 88. *Crepisopogon mutans*, Rth.
- 89. *Boucardia triphylla*, Salisb.
- 90. *Porophyllum macrocephalum*, DC.
- 91. *Elytharia tridentata*, Vahl.
- 92. *Alycia pusilla*, L.
- ✓ 93. *Mentzelia albicaulis*, Dougl.
- 94. *Verbena polystachya*, H.B.K.
- 95. *Bidens chrysanthemoides*, Michx.
- 96. *Gaura parviflora*, Dougl.
- ✓ 97. *Tephrosia constricta*, Watson.
- 98. *Cyclanthera dissecta*, Vavilov.
- 99. *Passiflora inaukena*, Gray.
- 100. *Ingenhousia triloba*, DC.
- 101. *Hedeoma Drummondii*, Benth.
- 102. *Rhus Toxicodendron*, L.
- 103. *Euphorbia colorata*, Engelm.
- 104. *Zinnia pauciflora*, L.
- 105. *Heteranthera limosa*, Vahl.
- 106. *Prunus salicifolia*, H.B.K.
- ✓ 107. *Eclipta alba*, Pers.
- 108. *Solanum tuberosum*, L.

- 109. *Elytraria tridentata*, Vahl.
- 110. *Hymenothrix Wrightii*, Gray.
- ✓ 111. *Gilia Pringlei*, Gray.
- ✓ 111a. *" multiflora*, Nutt.
- 112. *Chilopsis saligna*, Don.
- 113. *Bidens leucantha*, DC.
- 114. *Tirantia fugax*, Schreb.
- 115. *Crusea Wrightii*, Gray.
- 116. *Eysenhardtia orthocarpa*, Watson.
- ✓ 117. *Phaseolus Wrightii*, Gray. 117a. *P. retusus*, Benth.
- 118. *Dalea diffusa*, Moric.
- 119. *Euscuta Americana*, L.
- 120. *Cheilanthes Lindheimeri*, Hook.
- ✓ 121. *Thalictrum Fendleri*, Gray, var. *Wrightii*, Gray.
- 122. *Cedronella Mexicana*, Benth.
- 123. *Clematis Drummondii*, Torr. & Gray.
- 124. *Guardiola platyphylla*, Gray.
- ✓ 125. *Aster canescens*, Pursh, var. *latifolius*, Gray.
- 126. *Zauschneria Californica*, Presl.
- 127. *Fraxinus pistaciifolia*, Torr.
- 128. *Bouvardia triphylla*, Salisb.
- 129. *Stevia Eupatoria*, Willd.
- 130. *Notholaena sinuata*, Kaulf.
- 131. *Quercus Wislizeni*, A. DC.
- ✓ 132. *Quercus undulata*, Torr. var. *breviloba*, Engelm.
- ! ✓ 133. *Dalea Humboldtii*, Rob. & Fern. n. sp.
- 134. *Dalea albiflora*, Gray.
- 135. *Mimosa malacophylla*, Gray.
- 136. *Adolpha infesta*, Nees.

- 137. *Asclepias Linaria*, Cav.
- ✓ 138. *Drymaria tenuella*, Gray.
- 139. *Cuphea Wrightii*, Gray.
- 140. *Washingtonia* sp.?
- 141. *Geranium Mexicanum*, HBK.
- 142. *Castilleja tenuiflora*, Bth.
- 143. *Aralia humilis*, Cav.
- 144. *Zauschneria Californica*, Presl.
- 145. *Loeselia glandulosa*, Don.
- 146. *Lycurus phleoides*, HBK.
- 147. *Saccharis Bigelovii*, Gray.
- 148. *Polygala glochidiata*, HBK.
- 149. *Spiranthes Thadrensis*, Benth. & Hook.
- 150. *Castilleja aurensis*, Cham. & Schl.
- 151. *Tecoma stans*, Juss.
- 152. *Ossiflora inamena*, Gray.
- 153. *Vevesia eucelioides*, Benth. & Hook.
- 154. *Platanus Wrightii*, Watson.
- 155. *Caesalpinia pulcherrima*, Swartz.
- 156. *Asclepias glaucescens*, HBK.
- 157. *Macrosiphonia brachysiphon*, Gray.
- 158. *Loeselia glandulosa* - Don.
- ✓ - 159. *Jacobinia ovata*, Gray.
- 160. *Stachys coccinea*, Jacq.
- 161. *Aster canescens*, Pursh, var. *latifolius*, Gray.
- 162. *Notolaena Grayi*, Davenport.
- 163. *Cheilanthes microphylla*, Rvz.
- 164. *Milleria quinqueflora*, L.

- ! 165. *Kosteletzkya cordata*, Presl. ex char.
 166. *Euphorbia heterophylla*, L.
 167. *Gronovia scandens*, L.
 168. *Echinocystis Wrightii*, Cogn.
 ✓ 169. *Oenothera biennis*, L., var. *grandiflora*, Lindl.
 170. *Panicum bulbosum*, HBK.
 171. *Notholaena ferruginea*, Hook.
 172. *Jatropha cardiophylla*, Muell.
 173. *Eupatorium pycnocephalum*, Less.
 ✓ 174. *Populus monticola*, Pradegee.
 - 175. *Martynia fragrans*, Lindl.
 - 176. *Hyptis Enanthe*, Torr.
 177. *Ceanothus luxifolius*, Willd.
 178. *Arundo Donax*, L.
 179. *Cuscuta umbellata*, HBK.
 180. *Eupatorium*?
 181. leaves only.
 182. *Sambucus Mexicana*, Presl.
 ✓ 183. *Perityle deltaidea*, Watson.
 184. *Hymenoclea monogyra*, Gray.
 - ✓ 185. *Eclipta alba*, Hook.
 - 186. *Euphorbia pilulifera*, L.
 - 187. *Lagetes Lemmonii*, Gray.
 - 188. *Ingenhousia triloba*, DC.
 - 189. *Panicum colonum*, L.
 190. leaves only.
 191. *Caesalpinia*?
 192. *Sebastiania bilocularis*, Watson.

- ✓ 193. *Sponaea trifida*, Dorr., var. *longiana*, Gray.
- 194. *Anisacanthus Thurberi*, Gray.
- 195. *Sponaea leptotoma*, Torr.?
- 196. *Sponaea* ^{*costellata*} ~~*leptotoma*~~, Torr.
- 197. *Lippia purpurea*, Jacq.
- 198. *Bidens heterophylla*, Wt.
- 199. *Stimodia ducantifolia*, Swartz.
- 200. *Oxalis Wrightii*, Gray.
- ✓ 201. *Abutilon incanum*, Don.
- 202. *Hibiscus Coulteri*, Gray.
- 203. *Plumbago scandens*, L.
- 204. *Dodonaea viscosa*, L.
- ✓ 205. *Nissolia Schottii*, Gray.
- 206. *Cardiospermum halicacabum*, L.
- 207. *Philibertia linearis*, Gray.?
- ! ✓ 208. *Sponaea spongiosa*, Rob. & Fern., no sp. med.
- 209. *Metastelma Argonicum*, Gray.
- 210. *Apodanthera undulata*, Gray.
- ✓ 211. *Jacobinia ovata*, Gray.
- ! ✓ 212. *Lycium* ~~*exsectum*~~, Gray. *retusum*, Rob. & Fern., no sp.
- 213. *Lesine celosioides*, L.
- 214. *Passiflora Mexicana*, Juss.
- 215. *Xanthoxylon pterata*, L.
- 216. *Peetia longipes*, Gray.
- ✓ 217. *Ficus Jaliscana*, Watson.
- 218. (leaves only)
- 219. *Hiraea macroptera*, DC.
- 220. *Mecostema trigonophylla*, Don.

- ✓ 221. *Eucleichia alata*, Watson.
 ! ✓ 222. *Leptocarpus Arizonica*, Gray, var. *pubescens*, Rob. & Fern. n. var.
 223. *Waltheria detonsa*, Gray.
 - 224. *Santana involucrata*, L.
 225. *Eriogon delphinifolius*, Willd.
 226. *Franseria spinosa*, HBK.
 227. *Antigonon leptopus*, Willd.
 8. *Karwinskia Humboldtiana*, Trece.
 - 9. *Lechea excoeloides*, Benth & Hook.
 - 1 230. *Lycurus phleoides*, HBK.
 1. *Bouteloua hirsuta*, Lag.
 ✓ 2. *Iresine Schaffneri*, Watson.
 3. *Euclea farinosa*, Gray.
 4. *Acacia filicina*, Willd.
 5. " *Farnesiana*, Willd.
 - 6. *Cuscuta Americana*, L.
 - 7. *Dielytra resupinata*, Juss.
 - 1 8. *Notholaena ferruginea*, Hook.
 ✓ 9. *Abutilon Berlandieri*, Gray.
 ! ✓ 240. *Esenbeckia Hartmanii*, Rob. & Fern. n. sp.
 1. *Olneya tesota*, Gray. ?
 2. *Xanthoxylum pterota*, L.
 3. *Solanum tectum*, Pers.
 4. *Perezia Thuecheri*, Gray.
 ! ✓ 5. *Crossosoma ^{parviflora} ~~flexuosa~~*, Rob. & Fern. n. sp.
 6. *Solanum heterodoxum*, Don.
 7. (leaves only)
 8. *Parthenium tomentosum*, DC. ?

249. *Lagascea decipiens*, Hems.
- ✓ 250. *Cassia Corsii*, Gray.
- ✓ 1. *Acacia Cochliacantha*, HB.
- ✓ 2. ~~*Aprespiza tomentosa*, Swartz., var. *fulva*, Hook. & Baker.~~
~~*Notholaena sinuata*, Kaulf.~~
- 3. *Notholaena ferruginea*, Hook.
- 4. *Notholaena sinuata*, Kaulf.
- 5. *Cheilanthes Lindheimeri*, Hook. & Baker.
- 6. *Sambucus Mexicana*, Presl.
- 7. *Lippia lycoides*, Steud.
8. *Encania tomentosa*, Jacq.
- ✓ 9. *Cheilanthes Pringlei*, Davenp.
- ✓ 260. *Sporobolus asperifolius*, W. & M. ?
- ✓ 1. *Eriodendron acuminatum*, Wats. (petioles very pubescent)
- 2. ~~*Cheilanthes microphylla*, Swz.~~
~~*Notholaena niva*, Desv.~~
- 3. *Fragaria pistaciaefolia*, Torr.
- ✓ 4. *Muhlenbergia dumosa*, Scrib.
5. *Bursera fagaroides*, Engler.
- 6. *Acacia filicina*, Willd. var.
7. *Notholaena niva*, Desv.
- 8. *Sponmaea spongiosa*, Rob. & Fern., n. sp. merid.
- 9. *Loxelia glandulosa*, Don.
- 270. *Guardiola platyphylla*, Gray.
- ✓ 1. *Aphonastemum ramocissimus*, DC.
- ! ✓ 2. *Maurandia* (?) *geniculata*, Rob. & Fern., n. sp.
- ✓ 3. *Stevia Schaffneri*, Sch. Bip.
- 4. *Erigeron delphinifolius*, Willd.
5. *Eriosema diffusum*, G. Don.
6. *Coumania Mexicana*, Don.

- 277. *Anisacanthus Thurberi*, Gray.
 8. *Acacia constricta*, Benth.
 9. *Iresine celosioides*, L.
 280. *Dalea laevigata*, Gray.
 1. *Gaudichaudia filifendula*, Juss.
 2. *Parkinsonia aculeata*, L.
 3. *Cassia Covillei*, Gray.
 4. *Solanum elaeagnifolium*, Cav. ^{rather Arizonicum}
 5. *Erigeron delphinifolius*, Willd.
 6. *Baccharis theoides*, HBK.
 ! 7. *Sedum Lemholtzii*, Rob. & Fern. n.sp.
 ! 8. *Minulus dentilobus*, Rob. & Fern. n.sp.
 ✓ 9. *Minulus glabratus*, HBK. var. *adscendens*, Gray.
 ✓ 290. *Aster exilis*, Ell.
 ✓ 1. *Samolus Valerandi*, L., var. *repens*, Brandege.
 2. *Adiantum capillus-veneris*, L.
 3. *Asplenium Trichomanes*, L. var. *repens*, Davenport.
 ✓ 4. *Celtis reticulata*, Torr.
 5. *Mercur sp.*
 ! 6. *Leptocne Arizonica*, Gray, var. *pubescens*, Rob. & Fern. n.var.
 ✓ 7. *Eupatorium pauperculum*, Gray.
 8. *Notholaena nivalis*, Desv.
 - 9. *Castilleja tenuiflora*, Bth.
 300. *Cheilanthes leudigera*, Gratz.
 ✓ 1. *Tithonia fruticosa*, ^{Cavill} Rose.
 ✓ 2. *Montanoa patens*, Gray.
 3. *Senecio Hartwegi*, Benth.
 4. *Fendlera rupicola*, Eng. & Gray.

215. *Eupatorium collinum*, DC.
 - 6. *Leptocarpus*
 7. (Hepatic)
 8. *Acer grandidentatum*, Nutt.
 9. *Juniperus flaccida*, Schlecht.
 ✓ 310. *Selaginella lepidophylla*, Spr.
 ! 1. *Loranthus Spirostylis*, DC. ex Char.
 - 2. *Salvia elegans*, Vahl.
 ✓ 3. *Sedum Alamosanum*, Watson.
 - 4. *Stachys coccinea*, Jaeg.
 5. *Lucernis grisea*, Liebm.
 - 6. *Lesine cilioides*, L.
 ✓ 7. *Dalea Parryi*, Torr. & G.
 8. *Garrya ovata*, Benth.
 - ✓ 9. *Asplenium Trichomanes*, L., var. *repens*, Davenport.
 - ✓ 320. *Eclipta alba*, Hassk.
 - 1. *Cheilanthes Lindheimeri*, Hook.
 2. *Alnus acuminata*, HBK.
 - 3. *Salvia leptoides*, Nutt. & Gal.
 4. *Rhus Schiediana*, Schl.
 ✓ 5. *Brickellia Wislizeni*, Gray, var. *laucolata*, Gray.
 - ✓ 6. *Sporobolus asperifolius*, N. & M. ?
 - 7. *Selaginella rupestris*, Spring.
 - 8. *Notholaena ferruginea*, Hook.
 9. *Datura Meteloides*, DC.
 330. *Eryngium Deppianum*, Schl.
 1. *Arbutus Xalapensis*, HBK. var. *Texana*, Gray.
 ✓ 2. *Silene Thurberi*, Watson.

- ✓ 333. *Brickellia Wislizeni*, Gray, var. *laucolata*, Gray.
 ✓ 4. *Perezia montana*, Rose.
 5. *Desmodium linearifolium*, DC.
 6. *Quercus fulva*, Liebm.
 7. " " "
 - ✓ 8. *Quercus oblongifolia*, Torr. var.
 ✓ 9. *Rhamnus Californicus*, var. *tomentella*, Gray.
 340. *Arcanthium* sp.
 1. *Polypodium thysanolepis*, A. Br.
 2. *Quercus* sp.
 ! 3. *Quercus crassifolia*, HBK. ex char.
 4.
 - ! 5. *Quercus crassifolia*, HBK. ex char.
 6. *Polypodium laucolatum*, L.
 7.
 8.
 9.
 340.
 1.
 2. *Quercus* sp.
 3.
 4. *Actostaphylos pungens*, HBK.
 - ✓ 5. *Anemina tomentosa*, Bracht, var. *fulva*, Hook. & Baker.
 6.
 7. *Pteris aquilina*, L.
 8. *Pseudotsuga Douglasii*, Can.
 9. *Eryngium Dwyfianum*, Schl.

- 35/ *Chimaphila maculata*, Pursh.
 - 2. *Polygala scaparia*, H.B.K.
 - 3. *Gerardia Wrightii*, Gray.
 ✓ 4. *Rhamnus Californicus*, var. *tomentella*, Gray.
 - ✓ 5. *Alexisia tomentosa*, Swartz, var. *fulva*, Hook. & Baker.
 6. *Juniperus Mexicana*, Schiede.
 7. *Pellaea atropurpurea*, Link.
 ✓ 8. *Corydalis aurea*, Willd., var. *occidentalis*, Gray.
 - 9. *Cheilanthes leudigera*, Swartz.
 360. *Cheilanthes tomentosa*, Link.
 1. *Notholaena Hookeri*, Eaton.
 - 2. *Garrya ovata*, Benth.
 - ✓ 3. *Quercus oblongifolia*, Torr.
 4. *Arceuthobium vaginatum*, Eichl.
 5. *Dalea racemosisima*, Benth.
 ✓ 6. *Cercocarpus parvifolius*, Nutt., var. *paucidentatus*, Wats.
 7. *Pinus cembroides*, Zucc.
 ✓ 8. *Junisia Californica*, Bth.



Hartman, Carl Vilhelm, Lloyd, Francis Ernest, and Lumholtz, Carl. 1890. "Plants of the Lumholtz Expedition." *Gray Herbarium miscellaneous plant lists*

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