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UNITED STATES GEOLOGICAL EXPLORATION OF THE 40TH PARALLEL.

CLARENCE KING, U. S. GEOLOGIST, IN CHARGE.

LIST OF PLANTS COLLECTED IN NEVADA AND UTAH,

1867-'69;

NUMBERED AS DISTRIBUTED.

SERENO WATSON,

COLLECTOR.

The whole collection was burnt up  
before distribution. There are sets only  
in Herb. Gray, Herb. Torr., & Hb. Paton.

A large portion of the collection of 1867, in Western Nevada, was made by Mr. W. W. BAILEY, Botanist of the Expedition. All such specimens are credited to him in the distribution.

## LIST OF PLANTS.

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1. *Clematis Douglasii*, Hook. Form. (*C. Wyethii*, Nutt.)
2.     *ligusticifolia*, Nutt., Var. *brevifolia*, T. & G.
3.     *alpina*, Mill., Var. *Ochotensis*, Gray.
4.     *verticillaris*, DC. Form. (*C. Columbiana*, T. & G.)
5. *Thalictrum alpinum*, L. Clover Mts., Nevada. 10,000 ft. alt. Sept.
6.     *sparsiflorum*, Turcz. Provo Cañon, Uintas. 7,000 ft. alt. July.
7.     *Fendleri*, Eng.
8.     Form.
9.     Var. (?)
10. *Anemone multifida*, DC.
11.     *decapetala*, L.
12. *Myosurus minimus*, L.
13.     *aristatus*, Benth.
14. *Ranunculus aquatilis*, L., Var. *trichophyllus*, Chaix.
15.     Var. *stagnatilis*, DC. (*R. divaricatus*, Gray's Man.)
16.     *Andersonii*, Gray.
17.     Var. *tenellus*, S. Watson.
18.     *alismæfolius*, Geyer, Var. *montanus*, S. Watson.
19. *Flammula*, L., Var. *reptans*, Gray. Bear River Cañon, Uintas. 8,000 ft. alt. August.
20. *Cymbalaria*, Pursh.
21.     *affinis*, R. Br., Var. *leiocarpus*, Trautv.
22.     *glaberrimus*, Hook.
23.     *sceleratus*, L.
24.     *multifidus*, Pursh, Var. *repens*, Hook. Weber Valley, Utah. 5,500 ft. alt. August.
25.     *digitatus*, Hook. Havallah Mts., Nevada. 8,000 ft. alt. June.
26.     *nivalis*, R. Br., Var. *Eschscholtzii*. (*R. Eschscholtzii*, Schlecht.)
27.     *repens*, L.
28.     *macranthus*, Scheele. (*R. repens*, Var. *macranthus*, Gray.)
29.     *fascicularis*, Muhl.
30.     *orthorhynchus*, Hook., Var. *alpinus*, S. Watson. Wahsatch Mts. 10,000 ft. alt. July.
31. *Caltha leptosepala*, DC.

32. *Trollius laxus*, Salisb.  
 33. *Aquilegia Canadensis*, L., Var. *formosa*, Torr.  
 34. Subalpine form.  
 35. *flavescens*, S. Watson.  
 36. Subalpine form.  
 37. *cærulea*, James.  
 38. *Delphinium elatum*, L., Var. (?) *occidentale*, S. Watson.  
 39. *Menziesii*, DC.  
 40. With pink flowers.  
 41. With double flowers.  
 42. Var. *Utahense*, S. Watson.  
 43. *depauperatum*, Nutt.  
 44. *Aconitum nasutum*, Fisch.  
 45. *Actæa spicata*, L., Var. *arguta*, Torr. (*A. arguta*, Nutt.)  
 46. *Pæonia Brownii*, Dougl.  
 47. *Berberis Aquifolium*, Pursh.  
 48. *Nuphar advena*, Ait.  
 49. *Argemone Mexicana*, L., Var. *hispida*, Torr.  
 50. *Eschscholtzia Californica*, Cham.  
 51. Var. *hypecoides*, Gray.  
 52. *Corydalis aurea*, Willd., Var. *occidentalis*, Eng.  
 53. Var. *micrantha*, Eng.  
 54. *Parrya macrocarpa*, R. Br. Uintas, Utah. 12,000 ft. alt. August.  
 55. *Cheiranthus Menziesii*, Benth. & Hook.  
 56. *Nasturtium officinale*, R. Br. Near Salt Lake City.  
 57. *sinuatum*, Nutt.  
 58. *lyratum*, Nutt.  
 59. *obtusum*, Nutt.  
 60. Var. (?) *alpinum*, S. Watson. Head of Bear  
 River Cañon, Uintas. 10,500 ft. alt. Aug.  
 61. *palustre*, DC. Truckee Valley, Nevada. July.  
 62. Var. *hispidum*, Gray.  
 63. Var.  
 64. Var.  
 65. *Barbarea vulgaris*, R. Br.  
 66. Var. *gracilis*, DC.  
 67. *Arabis hirsuta*, Scop.  
 68. Form.  
 69. *platysperma*, Gray. E. Humboldt Mts., Nevada. 8,000  
 ft. alt. Sept.  
 70. *caesescens*, Nutt. (?)  
 71. Var. *latifolia*, S. Watson.  
 72. *longirostris*, S. Watson.  
 73. *perfoliata*, Lam.  
 74. *Drummondii*, Gray.  
 75. Var. *alpina*, S. Watson.

76. *Arabis retrofracta*, Grab.  
 77.         *arcuata*, Gray.  
 78. *Streptanthus cordatus*, Nutt.  
 79. *Cardamine cordifolia*, Gray.  
 80.         *hirsuta*, L.  
 81. *Platyspermum scapigerum*, Hook. Steamboat Springs, Washoe  
       Valley, Nevada. 5,000 ft. alt. May.  
 82. *Vesicaria montana*, Gray.  
 83. *Physaria didymocarpa*, Gray.  
 84. *Draba alpina*, L.  
 85.         Var.  
 86.         Var. (*D. glacialis*, Adams.)  
 87.         Var.  
 88.         Var. (*D. algida*, Adams.)  
 89.         *stellata*, Jacq., Var. *hebecarpa*, Hook.  
 90.         *muricella*, Wahl. (!)  
 91.         *Douglasii*, Gray. Mt. Davidson, Nevada. 6,000 ft. alt.  
       April.  
 92.         *aurea*, Vahl.  
 93.         *nemorosa*, L.  
 94.         Var. *lutea*, Gray.  
 95.         *Caroliniana*, Walt., Var. *micrantha*, Gray.  
 96. *Sisymbrium junceum*, Bieb.  
 97.         *canescens*, Nutt.  
 98.         Form.  
 99.         *Californicum*, S. Watson. (*Smelowskia* (!), Gray.)  
 100. *Smelowskia calycina*, Meyer.  
 101. *Erysimum cheiranthoides*, L.  
 102.         *asperum*, DC.  
 103.         Var. (!) *pumilum*. (*E. pumilum*, Nutt.)  
 104.         Var. *inconspicuum*, S. Watson.  
 105. *Stanleya pinnatifida*, Nutt.  
 106.         *viridiflora*, Nutt.  
 107. *Thelypodium integrifolium*, Endl.  
 108.         *sagittatum*, Endl.  
 109.         *Nuttallii*, S. Watson. (*Streptanthus sagittatus*, Nutt.)  
 110.         *Brachycarpum*, Torr.  
 111.         *laciniatum*, Endl.  
 112. *Caulanthus crassicaulis*, S. Watson. (*Streptanthus*, Torr.)  
 113.         *pilosus*, S. Watson.  
 114.         *hastatus*, S. Watson.  
 115. *Brassica nigra*, Benth. & Hook. (*Sinapis*, L.)  
 116.         *campestris*, L. (*Sinapis*, L.)  
 117. *Capsella Bursa-pastoris*, Moench.  
 118.         *divaricata*, Walpers. (*Hymenolobus*, Nutt.)  
 119. *Lepidium intermedium*, Gray.

120. *Lepidium alyssoides*, Gray.  
 121.           *montanum*, Nutt.  
 122.                     Var. (?) *alpinum*, S. Watson.  
 123.           ——— (?)  
 124.           *Frémontii*, S. Watson.  
 125.           *dictyotum*, Gray. Carson City, Nevada. April.  
 126.           *flavum*, Torr. Near Humboldt Lake, Nevada. May.  
 127.           *nanum*, S. Watson.  
 128. *Thlaspi alpestre*, L. (?)  
 129. *Thysanocarpus elegans*, Fisch. & Mey.  
 130. *Cleome integrifolia*, T. & G.  
 131.           *aurea*, Nutt.  
 132.           ——— (?)  
 133.           *sparsifolia*, S. Watson.  
 134. *Cleomella parviflora*, Gray. Monitor Valley, Nevada. July.  
 135.           *plocasperma*, S. Watson. Hot Springs, Ruby Valley,  
               Nevada.  
 136.           *longipes*, Torr. Hot Springs, Grass Valley, Nevada.  
 137.                     Var. (?) *grandiflora*, S. Watson.  
 138. *Polanisia uniglandulosa*, DC.  
 139. *Viola palustris*, L.  
 140.           *cucullata*, Ait.  
 141.           *canina*, L.  
 142.           *Canadensis*, L. Wahsatch Mts. 7,000 ft. alt. July.  
 143.           *Nuttallii*, Pursh.  
 144.                     Var. *praemorsa*. (*V. praemorsa*, Dougl.)  
 145.                     Var. *venosa*, S. Watson.  
 146. *Saponaria Vaccaria*, Host.  
 147. *Silene acaulis*, L.  
 148.           *Douglasii*, Hook.  
 149.           Var.  
 150.           *antirrhina*, L.  
 151.           *Menziesii*, Hook.  
 152. *Lychnis apetala*, L. Uintas, above Bear River. 12,000 ft. alt.  
               August.  
 153.           *Ajanensis*, Regel. (?) With the last.  
 154.           *Drummondii*, S. Watson. (*Silene*, Hook. ?)  
 155.           *nuda*, S. Watson.  
 156. *Cerastium nutans*, Raf.  
 157.           *vulgatum*, L., Var. *Behringianum*, Gray. Uintas. 10,000  
               ft. alt. August.  
 158.           *arvense*, L. Uintas. 8,000 ft. alt. July.  
 159. *Stellaria Jamesii*, Torr.  
 160.           *longipes*, Goldie.  
 161.           *borealis*, Big. Uintas. 8,000 ft. alt. August.

162. *Stellaria crassifolia*, Ehrh. Near Unionville, Nevada. 5,000 ft.  
alt. June.
163.           *umbellata*, Turcz.
164.           *Kingii*, S. Watson. E. Humboldt Mts., Nevada. 9,000  
ft. alt. July.
165. *Arenaria congesta*, Nutt.
166.           *formosa*, Fisch. Wahsatch. 6,000 ft. alt. August.
167.           *Fendleri*, Gray, Var. *glabrescens*, S. Watson.
168.                       Var. *subcongesta*, S. Watson.
169.           *pungens*, Nutt.
170.           *aculeata*, S. Watson. E. Humboldt Mts., Nevada. 6,500  
ft. alt. August.
171.           *verna*, L. Uintas, above Bear River. 11,000 ft. alt.  
August.
172.                       Var. *hirta*, Fenzl. With the last.
173.           *arctica*, Stev.
174.           *lateriflora*, L. Uintas. 7,000 ft. alt. July.
175. *Sagina Linnæi*, Presl. Wahsatch. 8,000 ft. alt. July.
176.           *nivalis*, Fries. (?) Uintas, above Bear River. August.
177. *Spergularia media*, Presl. Wahsatch. 6,000 ft. alt.
178. *Portulaca oleracea*, L. Unionville, Nevada.
179. *Talinum pygmæum*, Gray.
180. *Claytonia Caroliniana*, Michx., Var. *lanccolata*. (*C. lanccolata*,  
Pursh.)
181.           *umbellata*, S. Watson.
182.           *arctica*, Adams, Var. *megarrhiza*, Gray.
183.           *perfoliata*, Don.
184.           *Chamissonis*, Esch. & Ledeb.
185. *Spraguea umbellata*, Torr.
186. *Calyptridium roseum*, S. Watson.
187. *Lewisia rediviva*, Pursh.
188. *Bergia Texana*, Seub. Carson River Bottom, Nevada. August.
189. *Hypericum Scouleri*, Hook.
190.           *mutilum*, L. (?)
191. *Sidalcea malvaeflora*, Gray.
192.                       Small-flowered form.
193.                       Sterile form. Cumberland, Nevada. June.
194.           *candida*, Gray.
195. *Malvastrum coccineum*, Gray.
196.                       Var. *grossulariaefolium*, Torr.
197.           *Munroanum*, Gray.
198. *Sphæralcea Emoryi*, Torr.
199.                       Form.
200.           *acerifolia*, Nutt.
201. *Sida hederacea*, Torr.
202. *Linum pereune*, L.





245. *Trifolium variegatum*, Nutt.  
 246.           *fimbriatum*, Lindl.  
 247.           *cyathiferum*, Lindl.  
 248.           *gymnocarpon*, Nutt. Parley's Park, Wahsatch. 6,500  
           ft. alt. June.  
 249. *Hosackia Purshiana*, Benth.  
 250. *Psoralea lanceolata*, Pursh.  
 251. *Dalea polydenia*, Torr. Truckee Desert, Nevada. 4,000 ft. alt.  
           July.  
 252.           *Kingii*, S. Watson.  
 253. *Astragalus diphysus*, Gray.  
 254.           *lentiginosus*, Dougl.  
 255.                     Var. *Frémontii*, S. Watson. (*A. Fré-*  
    *montii*, T. & G.)  
 256.           *platytropis*, Gray.  
 257.           *calycosus*, Torr.  
 258.           *Andersonii*, Gray.  
 259.           *malacus*, Gray.  
 260.           *Canadensis*, L. Provo Cañon, Wahsatch. 6,000 ft.  
           alt. July.  
 261.                     Var. *Mortoni*, S. Watson. (*A. Mortoni*,  
    Nutt.)  
 262.           *hypoglottis*, L.  
 263.           *Nuttallianus*, DC., Var. *trichocarpus*, T. & G. Stans-  
           bury Island. 4,300 ft. alt. June.  
 264.           *arrectus*, Gray. Coyote Mts., Nevada. 5,000 ft. alt.  
           June.  
 265.           *stratus*, S. Watson.  
 266.           *obscurus*, S. Watson. Truckee Pass, Nevada. 5,000  
           ft. alt. May.  
 267.           *aboriginum*, Rich. E. Humboldt Mts. 10,000 ft. alt.  
           August.  
 268.           *Robbinsii*, Gray, Var. (?) *occidentalis*. S. Watson. E.  
           Humboldt Mts., Nevada. 10,000 ft. alt. August.  
 269.           *iodanthus*, S. Watson.  
 270.                     Form.  
 271.           *Beckwithii*, T. & G.  
 272.           *pteroecarpus*, S. Watson. Mouth of Reese Valley. 4,500  
           ft. alt. June.  
 273.           *eriocarpus*, S. Watson.  
 274.           *Purshii*, Dougl.  
 275.           *Utahensis*, T. & G.  
 276.           *Geyeri*, Gray.  
 277.           *Hookerianus*, Gray. Star Peak, Nevada. 10,000 ft.  
           alt. September.

278. *Astragalus oophorus*, S. Watson. Reese River Pass. 5,000 ft. alt. July.
279.           *jejunus*, S. Watson. Bear River Valley, Evanston, Utah. 6,000 ft. alt. August.
280.           *nudus*, S. Watson. W. Humboldt Mts., Nevada. 5,000 ft. alt.
281.           *Chamaeleuce*, Gray.
282.           *speirocarpus*, Gray.
283.           *filipes*, Torr.
284.           *porrectus*, S. Watson. Trinity Mts., Nevada. 5,000 ft. alt. May.
285.           *multiflorus*, Gray.
286.           *tegetarius*, S. Watson.
287.           *campestris*, Gray.
288.           *juncus*, Gray.
289.           *simplicifolius*, Gray.
290.           *Kentrophyta*, Gray.
291.                            Var. *elatus*, S. Watson. Holmes Creek Valley, Nevada. 6,000 ft. alt. Sept.
292. *Oxytropis campestris*, L., Var. *viscida*. (*O. viscida*, Nutt.) E. Humboldt Mts., Nevada. 10,000 ft. alt. August.
293. *Glycyrrhiza lepidota*, Nutt.
294. *Hedysarum Mackenzii*, Rich.
295. *Vicia Americana*, Muhl.
296. *Lathyrus polyphyllus*, Nutt.
297.           *palustris*, L.
298.           *ornatus*, Nutt.
299. *Prunus Andersonii*, Gray.
300.           *emarginata*, Walp.
301.           *Virginiana*, L. (?)
302.           *demissa*, Walp.
303. *Spiraea opulifolia*, L.
304.                            Var. *pauciflora*, Hook.
305.           *dumosa*, Nutt.
306.           *cæspitosa*, Nutt.
307.                            Var. *elatior*, S. Watson. Raft River Mts., Utah. 7,000 ft. alt. September.
308. *Rubus Nutkanns*, Moq.
309.           *strigosus*, Mx.
310.           *leucodermis*, Dougl. Cottonwood Cañon, Wahsatch. 6,000 ft. alt. July.
311. *Purshia tridentata*, DC.
312. *Cercocarpus parvifolius*, Nutt.
313.           *ledifolius*, Nutt.
314.           *breviflorus*, Gray. American Fork Cañon, Wahsatch. 5,000 ft. alt. August.

315. *Cowania Mexicana*, Don. (*C. Stansburiana*, Torr.)  
 316. *Dryas octopetala*, L.  
 317. *Geum macrophyllum*, Willd.  
 318.       *triflorum*, Pursh.  
 319.       *Rossii*, Seringe.  
 320.               Var.  $\beta$ , T. & G. E. Humboldt Mts., Nevada. 9,000  
                   ft. alt. August.  
 321. *Fragaria vesca*, L.  
 322.       *Virginiana*, Ehrh., Var. (!) *glauca*, S. Watson.  
 323. *Potentilla Norwegica*, L.  
 324.       *millegrana*, Eng.  
 325.               Form.  
 326.       *Pennsylvanica*, L., Var. *strigosa*, Pursh.  
 327.       *diversifolia*, Lehm.  
 328.               Var. *glaucophylla*, Lehm.  
 329.                                       Reduced form.  
 330.               Var. *multisecta*, S. Watson.  
 331.               Var. *pinnatisecta*, S. Watson.  
 332.                                       More alpine.  
 333.       *pulcherrima*, Lehm.  
 334.               Digitate form.  
 335.       *nivea*, L. Uinta Mts. 12,000 ft. alt. August.  
 336.       *gracilis*, Dougl.  
 337.               Low form. (*P. fastigiata*, Nutt. ?)  
 338.               Var. *flabelliformis*, Nutt.  
 339.       *Nuttallii*, Lehm. (*P. rigida*, Nutt.)  
 340.       *Anserina*, L.  
 341.       *fruticosa*, L.  
 342.               Alpine form.  
 343.       *glandulosa*, L.  
 344.       *procumbens*, Clairv.  
 345. *Ivesia Gordonii*, T. & G.  
 346.       *Baileyi*, S. Watson. Wright's Cañon, W. Humboldt Mts.,  
                   Nevada. 7,000 ft. alt. August.  
 347.               Var. *setosa*, S. Watson.  
 348.       *Kingii*, S. Watson.  
 349. *Rosa blanda*, Ait.  
 350.       *fraxinifolia*, Bork.  
 351. *Pyrus sambucifolia*, Ch. & Schl.  
 352. *Crataegus rivularis*, Nutt. (!)  
 353. *Amelanchier Canadensis*, T. & G., Var. *alnifolia*, T. & G.  
 354. *Saxifraga caespitosa*, L. Uinta Mts. 11,000 ft. alt. August.  
 355.       *rivularis*, L.  
 356.       *adscendens*, L.  
 357.       *nivalis*, L.  
 358.               Form. (*S. Virginicensis*, Mx.)

359. *Saxifraga integrifolia*, Hook. Wahsatch. 6,000 ft. alt. June.  
 360.           *punctata*, L.  
 361.           *flagellaris*, Willd. Uintas. 11,500 ft. alt. August.  
 362. *Tellima parviflora*, Hook.  
 363.           *tenella*, Benth. & Hook.  
 364. *Mitella pentandra*, Hook.  
 365.           *trifida*, Grah.  
 366. *Heuchera rubescens*, Torr.  
 367.           *cylindrica*, Dougl., Var. *alpina*, S. Watson. Clover Mts.,  
               Nevada. 11,000 ft. alt. September.  
 368.           *parvifolia*, Nutt.  
 369. *Parnassia parviflora*, DC.  
 370.           *fimbriata*, Banks.  
 371. *Jamesia Americana*, T. & G. American Fork Cañon, Wahsatch,  
               7,000 ft. alt. August.  
 372. *Ribes hirtellum*, Mx.  
 373.           *irriguum*, Dougl.  
 374.           *leptanthum*, Gray.  
 375.           *lacustre*, Poir.  
 376.                     Alpine form. (*R. setosum*, Dougl.)  
 377.           *prostratum*, L'Her. Wahsatch. 9,000 ft. alt. July.  
 378.           *bracteosum*, Dougl.  
 379.           *ceruum*, Dougl.  
 380.           *viscosissimum*, Pursh.  
 381.           *sanguineum*, Pursh, Var. *variegatum*, S. Watson. Clear  
               Creek Cañon, near Carson City. 5,000 ft. alt. April.  
 382.           *aureum*, Pursh.  
 383. *Tillæa angustifolia*, Nutt. Goose Creek, Nevada. 6,000 ft. alt.  
               September.  
 384. *Sedum Rhodiola*, DC.  
 385.           *rhodanthum*, Gray. Uintas. 9,000 ft. alt. August.  
 386.           *stenopetalum*, Pursh.  
 387.           *debile*, S. Watson.  
 388. *Hippuris vulgaris*, L.  
 389. *Myriophyllum verticillatum*, L.  
 390. *Callitriche verna*, L.  
 391.                     Var. *terrestris*, Gray.  
 392.           *autumnalis*, L. Wahsatch. 6,000 ft. alt. July.  
 393. *Ammannia latifolia*, L. Carson River Bottom, Nevada. 4,000 ft.  
               alt. July.  
 394. *Epilobium alpinum*, L.  
 395.           *tetragonum*, L.  
 396.           *paniculatum*, L.  
 397.           *angustifolium*, L.  
 398.           *obcordatum*, Gray.  
 399. *Zauschneria Californica*, Presl.

400. *Clarkia rhomboidea*, Dougl.  
 401. *Gayophytum ramosissimum*, T. & G.  
 402.                   *racemosum*, T. & G.  
 403.                    Var.  
 404.                   *diffusum*, T. & G.  
 405. *Oenothera biennis*, L.  
 406.                    Var. *grandiflora*, T. & G.  
 407.                   *coronopifolia*, T. & G.  
 408.                   *albicaulis*, Nutt., Var. *Nuttallii*, Eng.  
 409.                   *deltoides*, Torr. & Frem.  
 410.                   *triloba*, Nutt.  
 411.                   *marginata*, Nutt.  
 412.                    Var. *purpurea*, S. Watson.  
 413.                   *glabella*, Nutt.  
 414.                   *scapoidea*, Nutt.  
 415.                    Var. *claviformis*, S. Watson. (*O. claviformis*, Torr.)  
 416.                   *breviflora*, T. & G.  
 417.                   *tanacetifolia*, T. & G. Truckee Meadows, near Glendale, Nevada. July.  
 418.                   *heterantha*, Nutt.  
 419.                   *Boothii*, Dougl.  
 420.                   *alyssoides*, H. & A.  
 421.                    Var. *minutiflora*, S. Watson.  
 422.                   *dentata*, Cav.  
 423.                    Var.  
 424.                   *pterosperma*, S. Watson. Trinity Mts., Nevada. 5,000 ft. alt. May.  
 425.                    *Andina*, Nutt.  
 426. *Gaura parviflora*, Dougl.  
 427. *Circæa alpina*, L., Var. *intermedia*, Ehrh.  
 428. *Mentzelia albicaulis*, Dougl.  
 429.                    Var. *gracilentata*, S. Watson. (*M. gracilentata*, T. & G.)  
 430.                    Var. *integrifolia*, S. Watson.  
 431.                   *congesta*, Nutt.  
 432.                   *levicaulis*, T. & G.  
 433. *Echinocactus Simpsoni*, Eng.  
 434. *Opuntia Missouriensis*, DC.  
 435.                    Var.  
 436.                    *hystericina*, Eng. & Big.  
 437.                    *fragilis*, Nutt.  
 438.                    *pulchella*, Eng.  
 439. *Sesuvium portulacastrum*, L., Var.  
 440. *Orogenia linearifolia*, S. Watson.  
 441. *Cicuta maculata*, L.

442. *Carum Gairdneri*, Benth. & Hook. (*Edosmia*, T. & G.)  
 443. *Sium lineare*, Mx.  
 444.         *angustifolium*, L.  
 445. *Pimpinella apiodora*, Gray. Clover Mts., Nevada. 9,000 ft. alt.  
       September.  
 446. *Osmorhiza nuda*, Torr.  
 447. *Myrrhis occidentalis*, Benth. & Hook. (*Glycosma*, Nutt.)  
 448. *Cymopterus nivalis*, S. Watson.  
 449.         *montanus*, Nutt., Var. *globosus*, S. Watson.  
 450.         *glaucus*, Nutt.  
 451.         *longipes*, S. Watson.  
 452.         *feniculaceus*, Nutt.  
 453.         (?) *anisatus*, Gray.  
 454. *Ligusticum apiifolium*, Benth. & Hook. (*Cynapium*, Nutt.)  
 455. *Thaspium trifoliatum*, Gray. Parley's Park, Wahsatch. 6,000  
       ft. alt. June.  
 456. *Selinum Kingii*, S. Watson.  
 457. *Angelica Breweri*, Gray.  
 458.         *pinnata*, S. Watson.  
 459. *Archangelica Gmelini*, DC. (?) Uintas, Bear River Cañon. Aug.  
 460. *Ferula multifida*, Gray.  
 461. *Peucedanum sativum*, Benth. & Hook. (*Pastinaca*, L.)  
 462.         *Nuttallii*, S. Watson. (*P. latifolium*, Nutt.) Haval-  
       lah Mts., Nevada. June.  
 463.         *graveolens*, S. Watson.  
 464.         Var. *alpinum*, S. Watson. E. Humboldt  
       Mts., Nevada. 9,000 ft. alt. Aug.  
 465.         *simplex*, Nutt.  
 466.         *millefolium*, S. Watson. Antelope Island, Salt Lake.  
       5,000 ft. alt. June.  
 467.         *bicolor*, S. Watson.  
 468.         *macrocarpum*, Nutt.  
 469.         (?) *nudicaule*, Nutt. (?)  
 470.         (?) *villosum*, Nutt.  
 471. *Heracleum lanatum*, Mx.  
 472. *Coriandrum sativum*, L.  
 473. *Cornus pubescens*, Nutt.  
 474. *Linnæa borealis*, Gronov. Uintas, Bear River Cañon. 8,000 ft.  
       alt. August.  
 475. *Symphoricarpus montanus*, HBK.  
 476. *Lonicera involucrata*, Banks.  
 477.         *Utahensis*, S. Watson. Cottonwood Cañon, Wahsatch.  
       9,000 ft. alt. August.  
 478. *Sambucus racemosa*, L., Var. *pubens*.  
 479.         *glauca*, Nutt.  
 480. *Galium bifolium*, S. Watson.

481. *Galium Aparine*, L.  
 482.           *asperrimum*, Gray. Ruby Valley, Nevada. 6,000 ft. alt.  
                   August.  
 483.           *Bloomeri*, Gray.  
 484.           *multiflorum*, Kell. (*G. hypotrichium*, Gray.)  
 485.           *trifidum*, L.  
 486.           *triflorum*, Mx.  
 487.           *boreale*, L.  
 488. *Valeriana dioica*, L., Var. *sylvatica*. (*V. sylvatica*, Rich.)  
 489.           *edulis*, Nutt.  
 490. *Plectritis congesta*, DC.  
 491. *Eupatorium occidentale*, Hook.  
 492. *Brickellia oblongifolia*, Nutt., Var. *abbreviata*, Gray. W. Humboldt Mts., Nevada. 8,000 ft. alt. September.  
 493.           *linifolia*, D. C. Eaton. Jordan Valley, Utah, on American Fork. 4,500 ft. alt. July.  
 494.           *microphylla*, Gray.  
 495.           *Californica*, Gray.  
 496.           *grandiflora*, Nutt.  
 497. *Aster adscendens*, Lindl., Var. *Parryi*, D. C. Eaton.  
 498.           *Nuttallii*, T. & G.  
 499.           *falcatus*, Lindl.  
 500.           Form.  
 501.           Form.  
 502.           *simplex*, Willd. Truckee Meadows, Nevada. 4,500 ft. alt. July.  
 503.           *carneus*, Nees., Var. *subasper*, T. & G. Huntington Valley, Nevada. 6,000 ft. alt. August.  
 504.           *Douglasii*, Lindl.  
 505.           Form.  
 506.           *estivus*, Aiton. Goose Creek Valley, Nevada. 6,000 ft. alt. September.  
 507.           *Kingii*, D. C. Eaton. Cottonwood Cañon, Wahsatch. 9,000 ft. alt. August.  
 508.           *glacialis*, Nutt.  
 509.           Form.  
 510.           *asperugineus*, D. C. Eaton. E. Humboldt Mts., Nevada. 9,000 ft. alt. August.  
 511.           *salsuginosus*, Rich.  
 512.                    Var. *scaposus*, T. & G. Cottonwood Cañon, Wahsatch. 9,500 ft. alt. July.  
 513.           *pulchellus*, D. C. Eaton. Clover Peak, Nevada. 9,000 ft. alt. September.  
 514.           *elegans*, T. & G.  
 515.                    Var. *Engelmanni*, D. C. Eaton. (*A. Engelmanni*, Gray.)

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 517.     *angustus*, T. & G. 162  
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 546.     *ochroleucum*, Nutt. 191  
 547.     *stenophyllum*, D. C. Eaton. Cottonwood Cañon, Wah-  
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555. *Solidago stricta*, Aiton. E. Humboldt Mts., Nevada. 6,500 ft.  
alt. August.
556. *Guiradonis*, Gray, Var. *spectabilis*, D. C. Eaton.
557. *pumila*, T. & G.
558. *nemorulis*, Aiton.
559. Form.
560. *elongata*, Nutt.
561. *gigantea*, Aiton. E. Humboldt Mts., Nevada. 6,500 ft.  
alt. August.
562. Form.
563. *occidentalis*, T. & G.
564. *Linosyris graveolens*, T. & G.
565. Var.  $\beta$ , T. & G.
566. *viscidiflora*, T. & G.
567. Var. *serrulata*, Torr.
568. Var. *latifolia*, D. C. Eaton.
569. Var. *puberula*, D. C. Eaton.
570. *Howardii*, Parry, Var. *Nevadensis*, Gray. W. Humboldt  
Mts., Nevada. 8,000 ft. alt. September.
571. *Aplopappus nanus*, D. C. Eaton. (*Ericameria*, Nutt.)
572. *suffruticosus*, Gray.
573. *Macronema*, Gray. E. Humboldt Mts., Nevada. 10,000  
ft. alt. August.
574. *lanceolatus*, T. & G.
575. Var. *Vaseyi*, Parry.
576. *tenuicaulis*, D. C. Eaton. Ruby Valley, Nevada. 6,000  
ft. alt. August.
577. *uniflorus*, T. & G.
578. *acaulis*, Gray.
579. Var. *glabratus*, D. C. Eaton.
580. *Parryi*, Gray.
581. *Nuttallii*, T. & G. Weber Valley, Utah. 6,000 ft.  
alt. July.
582. *Grindelia squarrosa*, Dunal.
583. Var. *grandiflora*, Gray. Ruby Valley, Ne-  
vada. 6,000 ft. alt. September.
584. *Chrysopsis villosa*, Nutt., Var. *hispida*, Gray. Wahsatch. 5,000  
ft. alt. July.
585. Form.
586. Var. *foliosa*, D. C. Eaton. (*C. foliosa*, Nutt.)
587. *Laphamia Stansburii*, Gray. Stansbury Island, Salt Lake. 5,000  
ft. alt. June.
588. *Iva axillaris*, Pursh.
589. *Ambrosia artemisiifolia*, L. Humboldt Pass, Nevada. 6,000 ft.  
alt. September.

590. *Ambrosia ptilostachya*, DC. Jordan Valley, Utah. 4,500 ft. alt.  
August.
591. *Franseria Hookeriana*, Nutt.
592. *Hymenoclea monogyra*, T. & G. Truckee Pass, Nevada. 4,500  
ft. alt. May.
593. *Xanthium strumarium*, L., Var. *echinatum*, Gray.
594. *Wyethia amplexicaulis*, Nutt.
595. *Balsamorhiza Hookeri*, Nutt.
596.                   *hirsuta*, Nutt.
597.                   *macrophylla*, Nutt.
598.                   *sagittata*, Nutt.
599. *Rudbeckia occidentalis*, Nutt.
600. *Helianthus exilis*, Gray. Soda Lake, Nevada. 4,000 ft. alt. July.
601.                   *lenticularis*, Dougl.
602.                   *Nuttallii*, T. & G.
603.                   *giganteus*, L., Var. *Utahensis*, D. C. Eaton. Parley's  
Park, Wahsatch. 6,000 ft. alt. July.
604. *Helianthella uniflora*, T. & G. Bear River Cañon, Uintas. 8,000  
ft. alt. July.
605.                   *multicaulis*, D. C. Eaton.
606. *Heliomeris multiflora*, Nutt.
607. *Chenactis macrantha*, D. C. Eaton.
608.                   *Douglasii*, H. & A.
609.                   Alpine form.
610.                   *stevioidea*, H. & A.
611.                   *carphoclinia*, Gray. Trinity Mts., Nevada. 4,800 ft.  
alt. May.
612. *Hymenopappus tenuifolius*, Pursh.
613. *Bahia leucophylla*, DC.
614. *Burrielia nivea*, D. C. Eaton.
615. *Actinella acaulis*, Nutt.
616.                   *Richardsonii*, Nutt. Huntington Valley, Nevada. 6,000  
ft. alt. August.
617.                   Var. *canescens*, D. C. Eaton. E. Hum-  
boldt Mts., Nevada. 9,000 ft. alt. Aug.
618. *Helenium autumnale*, L.
619.                   Form. Mouth of American Fork Cañon,  
Utah Valley. 5,000 ft. alt. August.
620.                   *Hoopesii*, Gray.
621. *Rigiopappus leptocladus*, Gray.
622. *Layia glandulosa*, H. & A.
623.                   *heterotricha*, H. & A.
624. *Lagophylla ramosissima*, Nutt.
625. *Madia racemosa*, T. & G.
626. *Amida hirsuta*, Nutt. Parley's Park, Wahsatch. 6,000 ft. alt.  
July.





705. *Hieracium triste*, Willd.  
 706. *Lygodesmia juncea*, Don. Unionville Valley, Nevada. 5,000 ft.  
 alt. June.  
     *Var. dianthopsis*, D. C. Eaton.  
 708.      *spinosa*, Nutt.  
 709. *Malacothrix Californica*, DC., *Var. glabrata*, Gray. Foot-hills of  
 Trinity Mts. 4,500 ft. alt. May.  
 710.      *sonchoides*, T. & G.  
 711.      *obtusata*, Benth. Stansbury Island. 4,300 ft. alt. June.  
 712. *Crepis runcinata*, T. & G.  
 713.      *glauca*, T. & G.  
 714.      *Andersonii*, Gray.  
 715.      *occidentalis*, Nutt.  
 716.      *Var. gracilis*, D. C. Eaton.  
 717.      *acuminata*, Nutt.  
 718. *Macrorrhynchus glaucus*, D. C. Eaton, *Var. laciniatus*, D. C. Eaton.  
 719.      *troxinoides*, T. & G.  
 720.      *grandiflorus*, T. & G. Foot-hills, Salt Lake City.  
 May.  
     *heterophyllus*, Nutt.  
 721.      *heterophyllus*, Nutt.  
 722. *Taraxacum Dens-leonis*, Desf.  
 723.      *palustre*, DC. Uintas, above Bear River. 12,500 ft.  
 alt. August.  
 724.      *phymatocarpum*, J. Vahl. Same locality.  
 725. *Glyptopleura marginata*, D. C. Eaton.  
 726. *Mulgedium pulchellum*, Nutt.  
 727. *Sonchus asper*, Vill.  
 728. *Downingia pulchella*, Torr. Truckee Meadows, Glendale, Nevada.  
 July.  
 729. *Campanula rotundifolia*, L.  
 730.      *uniflora*, L. Uintas, above Bear River. 11-12,000 ft.  
 alt. August.  
 731. *Specularia perfoliata*, A. DC.  
 732. *Heterocodon rariflorum*, Nutt.  
 733. *Vaccinium uliginosum*, L.  
 734.      *caespitosum*, Michx.  
 735.      *myrtilloides*, Michx.  
 736.      *Myrtilus*, L., *Var. microphyllum*, Hook.  
 737. *Arctostaphylos Uva-ursi*, Spreng.  
 738.      *glauca*, Lindl.  
 739. *Gaultheria Myrsinites*, Hook.  
 740. *Kalmia glauca*, Ait., *Var. microphylla*, Hook.  
 741. *Ledum glandulosum*, Nutt.  
 742. *Pyrola rotundifolia*, L., *Var. incarnata*, Hook.  
 743.      *chlorantha*, Swartz.  
 744.      *secunda*, L.

745. *Moneses uniflora*, Gray.  
 746. *Chimaphila umbellata*, Nutt.  
 747. *Pterospora Andromedea*, Nutt.  
 748. *Plantago eriopoda*, Torr.  
 749.           *Bigelovii*, Gray. Jordan Valley, Utah. June.  
 750.           *Patagonica*, Jacq., Var. *guaphalioides*, Gray.  
 751. *Primula Parryi*, Gray.  
 752. *Androsace septentrionalis*, L.  
 753.                           Alpine form.  
 754.           *occidentalis*, Pursh.  
 755. *Dodecatheon Meadia*, L.  
 756.                           Alpine form.  
 757.                           Var. *frigidum*. (*D. frigidum*, Ch. & Sch.)  
 758. *Lysimachia ciliata*, L.  
 759. *Glaux maritima*, L.  
 760. *Samolus Valerandi*, L., Var. *Americanus*, Gray. Antelope Island  
       Salt Lake. 4,500 ft. alt. June.  
 761. *Utricularia vulgaris*, L., Var. *Americana*, Gray. Ruby Lake, Ne-  
       vada. 6,000 ft. alt. August.  
 762.           *minor*, L.  
 763. *Phelipæa erianthera*, Eng.  
 764. *Aphyllon uniflorum*, T. & G. Wahsatch Mts. 7,000 ft. alt. June.  
 765.                           *fasciculatum*, T. & G.  
 766. *Verbascum Thapsus*, L.  
 767. *Antirrhinum Kingii*, S. Watson.  
 768. *Scrophularia nodosa*, L.  
 769. *Collinsia parviflora*, Dougl.  
 770. *Pentstemon glaber*, Pursh., Var. *occidentalis*, Gray.  
 771.                           Var. *Utahensis*, S. Watson.  
 772.           *cyananthus*, Hook. Wahsatch Mts. 5,000 ft. alt. May.  
 773.           *Fremonti*, T. & G., Var. *Parryi*, Gray.  
 774.           *ceruleus*, Nutt.  
 775.           *acuminatus*, Dougl. Near Humboldt Lake, Nevada.  
       4,000 ft. alt. May.  
 776.           *centranthifolius*, Benth. Provo Cañon, Wahsatch. 6,000  
       ft. alt. July.  
 777.           *cæspitosus*, Nutt. Near Evanston, Utah. 6,000 ft. alt.  
       July.  
 778.           *cristatus*, Nutt.  
 779.           *Palmeri*, Gray.  
 780.           *humilis*, Nutt. (?)  
 781.                           Var. (?)  
 782.           *glauca*, Grab., Var. *stenosepalus*, Gray.  
 783.           *confertus*, Dougl., Var. *cæruleo-purpureus*, Gray.  
 784.   Alpine form.  
 785.           *deustus*, Dougl.



824. *Mentha Canadensis*, L.  
 825. *Lycopus sinuatus*, Ell. Wahsatch; American Fork Cañon. 6,000  
 ft. alt. August.  
 826. *Mouardella odoratissima*, Benth.  
 827. *Satureia hortensis*, L. Unionville, Nevada.  
 828. *Salvia Columbaria*, Benth.  
 829. *Audibertia incana*, Benth.  
 830. *Lophanthus urticifolius*, Benth.  
 831. *Nepeta Cataria*, L.  
 832. *Dracocephalum parviflorum*, Nutt.  
 833. *Brunella vulgaris*, L.  
 834. *Scutellaria resinosa*, Torr.  
 835.                   *galericulata*, L.  
 836. *Marrubium vulgare*, L.  
 837. *Stachys palustris*, L.  
 838. *Lithospermum longiflorum*, Spreng.  
 839.                   *pilosum*, Nutt. (*L. ruderales*, Dougl.)  
 840. *Mertensia oblongifolia*, DC.  
 841.                   Form.  
 842.                   *Sibirica*, Don.  
 843.                   *paniculata*, Don.  
 844.                   Var. *nivalis*, S. Watson.  
 845.                   *brevistyla*, S. Watson. (*M. alpina*, Gray, in part.)  
 846. *Amsinckia lycopsoides*, Lehm.  
 847. *Piptocalyx circumscissus*, Torr.  
 848.                   Form.  
 849. *Eritrichium villosum*, DC., Var. *aretioides*, Hook. Uintas. 12,000  
 ft. alt. August.  
 850.                   *angustifolium*, Torr.  
 851.                   *Californicum*, DC.  
 852.                   *glomeratum*, DC.  
 853.                   Var. *fulvocanescens*, S. Watson.  
 854.                   *Klingii*, S. Watson.  
 855.                   *fulvum*, A. DC.  
 856.                   *micranthum*, Torr. Stansbury Island, shore. June.  
 857.                   *leiocarpum*, S. Watson. (*Krynitzkia*, F. & M.)  
 858.                   Maturer form.  
 859.                   *pterocaryum*, Torr.  
 860. *Echinosperrum deflexum*, Lehm., Var. *floribundum*, S. Watson.  
                   (*E. floribundum*, Lehm.)  
 861.                   *Redowskii*, Lehm., Var. *occidentale*, S. Watson.  
                   (*E. Redowskii*, Gray's Man.)  
 862.                   Var. *strictum*, S. Watson. (*E. strictum*,  
                   Nees.)  
 863. *Coldenia Nuttallii*, Hook.  
 864. *Heliotropium Curassavicum*, L.



865. *Hydrophyllum macrophyllum*, Nutt., Var. *occidentale*, S. Watson.  
866. Form.  
867.                   *capitatum*, Dougl.  
868.                   Var. *alpinum*, S. Watson. E. Humboldt Mts., Nevada. 9,000 ft. alt. July.
869. *Nemophila parviflora*, Dougl.  
870. *Phacelia circinata*, Jacq.  
871.                   Lower form.  
872.                   *humilis*, T. & G. Havallah Mts., Nevada. 5,500 ft. alt. June.  
873.                   *crenulata*, Torr. Trinity Mts., Nevada. 4,300 ft. alt. May.  
874.                   *tanacetifolia*, Benth.  
875.                   *Menziesii*, Torr.  
876.                   *sericea*, Gray.  
877.                   *curvipes*, Torr.  
878.                   *pusilla*, Torr.  
879.                   *Ivesiana*, Torr.  
880.                   *bicolor*, Torr. Trinity Mts., Nevada. 4,300 ft. alt. May.  
881.                   *gymnoclada*, Torr.  
882.                   *crassifolia*, Torr. Reese River Valley, Nevada. 5,000 ft. alt. July.
883. *Conanthus aretioides*, S. Watson. (*Euploca* ? H. & A.)  
884. *Emmenanthe parviflora*, Gray. Truckee Pass, Nevada. 4,300 ft. alt. May.  
885.                   *glandulifera*, Torr. Virginia Mts., Nevada. 5,000 ft. alt. July.  
886.                   *glaberrima*, Torr.  
887. *Tricardia Watsoni*, Torr.  
888. *Nama demissa*, Gray.  
889. *Phlox canescens*, T. & G.  
890.                   *cæspitosa*, Nutt. Clover Mts., Nevada. 10,000 ft. alt. September.  
891.                   Var. *rigida*, Gray.  
892.                   Near *P. Douglasii*, Hook.  
893.                   *Douglasii*, Hook.  
894.                   *longifolia*, Gray.  
895.                   Var. *Stansburyi*, Gray.  
896.                   Subvar. *brevifolia*, Gray.
897. *Collomia grandiflora*, Dougl.  
898.                   *linearis*, Nutt.  
899.                   Near Var. *subulata*, Gray.  
900.                   *tenella*, Gray.  
901.                   *gracilis*, Dougl.  
902.                   *leptalea*, Gray. Truckee Valley, near Glendale. July.  
903. *Gilia liniflora*, Benth., Var. *pharnaceoides*, Gray.

904. *Gilia pusilla*, Benth., Var. *Californica*, Gray. Near typical form.  
 905. *Bigelovii*, Gray.  
 906. *nudicaulis*, Gray. Near Empire City, Nevada. 4,500 ft.  
 alt. April.  
 907. *Nuttallii*, Gray.  
 908. *Watsoni*, Gray.  
 909. *pungens*, Benth.  
 910. Var. *squarrosa*, Gray.  
 911. *intertexta*, Steud.  
 912. *minima*, Gray. Parley's Park, Wahsatch. 6,000 ft. alt.  
 913. *Breweri*, Gray.  
 914. *floccosa*, Gray.  
 915. *filifolia*, Nutt., Var. *diffusa*, Gray.  
 916. *congesta*, Hook.  
 917. Var. *crebrifolia*, Gray. Bear River Valley, near  
 Evanston. 6,000 ft. alt. July.  
 918. *pumila*, Nutt. Truckee Mts., Nevada. 4,500 ft. alt. May.  
 919. *polycladon*, Torr.  
 920. *aggregata*, Spreng.  
 921. Form with white flowers.  
 922. *tenerrima*, Gray. Bear River Valley, near Evanston. 6,000  
 ft. alt. July.  
 923. *inconspicua*, Dougl.  
 924. Var. *sinuata*, Gray.  
 925. Form.  
 926. Near Var. *arenaria*, Gray.  
 927. *leptomeria*, Gray.  
 928. *micromeria*, Gray.  
 929. *campanulata*, Gray. Truckee Valley, Nevada. 4,000 ft. alt.  
 May.  
 930. *Polemonium confertum*, Gray.  
 931. Var. *mellitum*, Gray. E. Humboldt Mts.,  
 Nevada. 10,500 ft. alt. August.  
 932. *caeruleum*, L.  
 933. Var. *foliosissimum*, Gray.  
 934. *micranthum*, Benth. Near Carson City, Nevada.  
 4,500 ft. alt. April.  
 935. *Calystegia sepium*, R. Br.  
 936. *Cressa Cretica*, L., Var. *Truxillensis*, Chois. On Bear River, Salt  
 Lake Valley. October.  
 937. *Cuscuta tenuiflora*, Eng. Humboldt Pass, Nevada. 6,000 ft. alt.  
 September.  
 938. *Californica*, Chois., Var. *graciliflora*, Eng.  
 939. *Solanum nigrum*, L.  
 940. *Physalis pubescens*, Willd.  
 941. *Oryctes Nevadensis*, S. Watson. Truckee Valley, Nevada. 4,000  
 ft. alt. May.



985. *Obione argentea*, Moq.  
 986.       *phyllostegia*, Torr.  
 987.       *truncata*, Torr. Banks of Truckee River. 4,000 ft. alt.  
           July.  
 988.       *pusilla*, Torr. Humboldt Valley; alkali flat. 5,000 ft. alt.  
           September.  
 989. *Grayia polygaloides*, H. & A.  
 990. *Eurotia lanata*, Moq.  
 991. *Kochia prostrata*, Schrad.  
 992.       Form.  
 993. *Corispermum hyssopifolium*, L.  
 994. *Salicornia herbacea*, L.  
 995. *Halostachys occidentalis*, S. Watson.  
 996. *Suaeda maritima*, Dumort.  
 997.       *depressa*, Ledeb. Upper Humboldt Valley, Nevada. 5,500  
           ft. alt. September.  
 998.       *fruticosa*, Forsk., Var. (?)  
 999. *Schoberia occidentalis*, S. Watson. Ruby Valley, Nevada. 6,000  
           ft. alt. September.  
 1000. *Sarcobatus vermiculatus*, Torr.  
 1001. *Amarantus paniculatus*, L. Unionville, Nevada.  
 1002.       *retroflexus*, L.  
 1003.       *albus*, L.  
 1004.       Prostrate form.  
 1005. *Nitrophila occidentalis*, S. Watson. (*Banalia*, Moq.)  
 1006. *Paronychia pulvinata*, Gray. Uintas, above Bear River. 12,000  
           ft. alt. August.  
 1007. *Eriogonum cespitosum*, Nutt.  
 1008.       Reduced form. (*E. Andinum*, Nutt.)  
 1009.       *sphaerocephalum*, Dougl. Regan's Valley, Nevada.  
           5,000 ft. alt. June.  
 1010.       *heracleoides*, Nutt.  
 1011.       Var. *minus*, Benth.  
 1012.       *umbellatum*, Torr.  
 1013.       Form.  
 1014.       Var. *monocephalum*, T. & G.  
 1015.       *acaule*, Nutt. Foot-hills of Holmes Creek Valley,  
           Nevada. 6,000 ft. alt. September.  
 1016.       *ovalifolium*, Nutt.  
 1017.       Reduced form. E. Humboldt Mts., Ne-  
           vada. 10,000 ft. alt.  
 1018.       Var. *Pah-Ute* Mts., Nevada. 5,000 ft.  
           alt. June.  
 1019.       Var. *tenuis*, Benth. Holmes Creek Val-  
           ley, Nevada. 6,000 ft. alt. Sept.  
 1020.       *Kingii*, T. & G.

1021. *Eriogonum Kingii*, Var. *laxifolium*, T. & G.  
 1022. *elatatum*, Dougl.  
 1023. *microthecum*, Nutt.  
 1024. Alpine form. E. Humboldt Mts., Nevada. 10,000 ft. alt. August.  
 1025. Form. Pah-Ute Mts., Nevada. 5,000 ft. alt.  
 1026. Form, approaching Var. *Fendlerianum*. Wahsatch Mts. 6,000 ft. alt. Aug.  
 1027. *brevicaule*, Nutt.  
 1028. *racemosum*, Nutt. Wahsatch Mts. 6,000 ft. alt. July.  
 1029. *vimineum*, Dougl. Virginia Mts., Nevada. 6,000 ft. alt. August.  
 1030. *gracile*, Benth., Var. *effusum*, T. & G.  
 1031. Form.  
 1032. *Plumatella*, Dur. & Hilg.  
 1033. *deflexum*, Torr.  
 1034. *nutans*, T. & G.  
 1035. *Watsoni*, T. & G. E. Humboldt Mts., Nevada. 5,000 ft. alt. September.  
 1036. *cernuum*, Nutt., Var. *tenue*, T. & G.  
 1037. *pusillum*, T. & G. Foot-hills of Trinity Mts., Nevada. 5,000 ft. alt. May.  
 1038. *inflatum*, Torr. Near Humboldt Lake, Nevada.  
 1039. *angulosum*, Benth.  
 1040. *Oxytheca dendroidea*, Nutt., Var. (*O. foliosa*, Nutt.) Monitor Valley, Nevada. 5,000 ft. alt. July.  
 1041. Var. Near the typical form.  
 1042. *Watsoni*, T. & G. Monitor Valley, Nevada. 5,000 ft. alt. July.  
 1043. *perfoliata*, T. & G.  
 1044. *Chorizanthe brevicornu*, Torr. Foot-hills near Big Bend of the Truckee. 4,000 ft. alt. May.  
 1045. *rigida*, Torr.  
 1046. *Watsoni*, T. & G.  
 1047. *Oxyria digyna*, Campd.  
 1048. *Rumex venosus*, Pursh.  
 1049. *longifolius*, DC.  
 1050. *Brittanica*, L. Jordan Valley, Utah. July.  
 1051. *salicifolius*, Weinm.  
 1052. Var. (f)  
 1053. *maritimus*, L.  
 1054. *paucifolius*, Nutt. Parley's Park, Wahsatch. 6,000 ft. alt. June.  
 1055. *Polygonum aviculare*, L.  
 1056. Var. *latifolium*.

1057. *Polygonum aviculare*, Var. *erectum*, Roth.  
 1058.                 *minimum*, S. Watson.  
 1059.                 *tenué*, Mx.  
 1060.                 Var.  
 1061.                 Var. *latifolium*, Eng. Clover Mts., Nevada.  
                               9,000 ft. alt. September.  
 1062.                 *coarctatum*, Dougl., Var. *minus*, Meisn.  
 1063.   Slender form.  
 1064.                 *amphibium*, L.  
 1065.   Var. *terrestre*, Willd.  
 1066.                 *Persicaria*, L.  
 1067.                 *viviparum*, L.  
 1068.                 *Bistorta*, L., Var. *oblongifolium*, Meisn.  
 1069.   Var. *linearifolium*, S. Watson. E. Humboldt  
   Mts., Nevada. 9,500 ft. alt. August.  
 1070.                 *Convolvulus*, L. Jordan Valley, Utah.  
 1071.                 *polymorphum*, Ledeb., Var. *alpinum*, Ledeb. E. Hum-  
   boldt Mts., Nevada. August.  
 1072. *Shepherdia Canadensis*, Nutt.  
 1073.                 *argentea*, Nutt.  
 1074. *Eleagnus argentea*, Pursh. Bear River, near Evanston, Utah.  
 1075. *Comandra pallida*, DC.  
 1076. *Ceratophyllum demersum*, L. (?) Spanish Spring, near Glendale,  
   Nevada. 4,500 ft. alt. December.  
 1077. *Euphorbia ocellata*, Dur. & Hilg.  
 1078.                 *serpyllifolia*, Pers.  
 1079.                 *glyptosperma*, Eng.  
 1080.                 *dictyosperma*, F. & M. Antelope Island, Salt Lake.  
   4,300 ft. alt. June.  
 1081.                 *montana*, Eng.  
 1082. *Celtis occidentalis*, L., Var. *pumila*, Gray.  
 1083. *Urtica dioica*, L., Var. *occidentalis*, S. Watson.  
 1084. *Parietaria Pennsylvanica*, Muhl.  
 1085. *Humulus Lupulus*, L.  
 1086. *Quercus alba*, L., Var. *Gunnisoni*, Torr.  
 1087. *Castanopsis chrysophylla*, A. DC., Var. *minor*, Benth. Washoe  
   Mts., Nevada. 6,500 ft. alt. April.  
 1088. *Betula occidentalis*, Hook.  
 1089.                 *glandulosa*, Mx.  
 1090. *Alnus incana*, Willd., Var. *glauca*, Ait.  
 1091. *Salix longifolia*, Muhl.  
 1092.   Form.  
 1093.   Approaching *S. Hindsiana*, Benth. Near Carson  
   City, Nevada. 5,000 ft. alt. April.  
 1094.   Var. *argyrophylla*, Nutt.  
 1095.   *cordata*, Muhl., near Var. *angustata*, And.

1096. *Salix cordata*, Var.  
 1097.                   Var. (?)  
 1098.                   —— ? Allied to *S. cordata*, Muhl.  
 1099.                   *glauca*, L., Var. *pullata*, And.  
 1100.                   *arctica*, Br., near Var. *Brownei*, And.  
 1101.                   *phlebophylla*, And.  
 1102.                   *reticulata*, L.  
 1103.                   —— ??  
 1104. *Populus tremuloidea*, Mx.  
 1105.                   *monillifera*, Ait.  
 1106.                   *balsamifera*, L., Var. *angustifolia*, S. Watson. (*P. angustifolia*, James.)  
 1107.                   *trichocarpa*, ~~Willd.~~ Torr.  
 1108. *Ephedra antisiphilitica*, C. A. Mey.  
 1109. *Pinus monophylla*, Torr.  
 1110.                   *contorta*, Dougl., Var. *latifolia*, Eng.  
 1111.                   *ponderosa*, Dougl.  
 1112.                   *Balfouriana*, Murray. E. Humboldt Mts., Nevada. 10,000 ft. alt.  
 1113.                   *flexilis*, James.  
 1114. *Abies Engelmanni*, Parry.  
 1115.                   *Menziesii*, Lindl.  
 1116.                   *amabilis*, Forbes.  
 1117.                   *grandis*, Lindl.  
 1118.                   *Douglasii*, Lindl.  
 1119. *Libocedrus decurrens*, Torr. Washoe Mts., Nevada. 7,000 ft. alt. April.  
 1120. *Juniperus communis*, L., Var. *alpina*, L. E. Humboldt Mts., Nevada. August.  
 1121.                   *Virginiana*, L.  
 1122.                   *occidentalis*, Hook.  
 1123. *Lemna trisulca*, L. ~~phlegmaria~~  
 1124.                   *Valdianiana*, (?) (*L. Torreyi*, Aust.) Summit Springs, Coyote Mts., Nevada. 5,000 ft. alt. June.  
 1125.                   *minor*, L.  
 1126.                   *polyrrhiza*, L. Truckee River, Nevada. 4,000 ft. alt. July.  
 1127. *Typha latifolia*, L.  
 1128. *Sparganium eurycarpum*, Eng.  
 1129.                   *minimum*, Baub. Uintas, Bear River Cañon. Aug.  
 1130. *Zannichellia palustris*, L. Parley's Park, Wahsatch. 6,000 ft. alt. July.  
 1131. *Potamogeton natans*, L.  
 1132.                   *rufescens*, Schrad. Bear River, Uintas. 8,000 ft. alt. August.  
 1133.                   *lonchites*, Tuck. Humboldt Pass, Nevada. 6,000 ft. alt. September.

1134. *Potamogeton gramineus*, L., Var. *heterophyllus*, Fries. Ruby Lake, Nevada. 6,000 ft. alt. August.
1135. *perfoliatus*, L., Var. *lanccolatus*, Robbins. Truckee River, Nevada. 4,000 ft. alt. July.
1136. *pusillus*, L., Var. *vulgaris*, Fries. (?) Bear River, Uintas. 8,000 ft. alt. August.
1137. Subvar. *interruptus*, Robbins. Parley's Park, Wahsatch. 6,000 ft. alt. July.
1138. *pectinatus*, L. Thousand Spring Valley, Nevada. 6,000 ft. alt. September.
1139. Doubtful form. Near Humboldt Lake, Nevada. 4,000 ft. alt. August.
1140. Var. Ruby Lake. 6,000 ft. alt. July.
1141. Var. Near Humboldt Lake, Nevada. 4,000 ft. alt. August.
1142. Var. (?) *latifolius*, Robbins. With the last.
1143. *marinus*, L., Var. (?) *occidentalis*, Robbins. Ruby Lake, Nevada. 6,000 ft. alt. August.
1144. Doubtful specimens of same. Bear River, Uintas. 8,000 ft. alt. August.
1145. Same, or perhaps *P. pectinatus*. Truckee River, Nevada. 4,000 ft. alt. July.
1146. Same, or perhaps *P. pectinatus*, with 1139 and 1141.
1147. *Triglochin palustre*, L. Jordan Valley, Utah. 4,300 ft. alt.
1148. *maritimum*, L.
1149. *Alisma Plantago*, L., Var. *Americanum*, Gray. Truckee River, Nevada. 4,000 ft. alt. July.
1150. Var.
1151. *Sagittaria variabilis*, Eng.
1152. *Habenaria hyperborea*, Br.
1153. *dilatata*, Gray.
1154. Var.
1155. *fetida*, S. Watson. (*Platanthera*, Gey.)
1156. *Spiranthes Romanzoffiana*, Cham.
1157. *Listera convallarioides*, Hook. E. Humboldt Mts., Nevada. 7,000 ft. alt. August.
1158. *Epipactis gigantea*, Dougl. Soda Lake, Nevada. 4,000 ft. alt. July.
1159. *Corallorhiza multiflora*, Nutt. Wahsatch. 7,500 ft. alt. July.
1160. *Iris Tolmieana*, Herb.
1161. *Sisyrinchium Bermudianum*, L., Var. *anceps*, Gray.
1162. *Zigadenus glaucus*, Nutt.
1163. *Nuttallii*, Gray.
1164. *paniculatus*, S. Watson. (*Helonias*, Nutt. *Amianthium Nuttallii*, Var.  $\beta$ , Gray.)



1165. *Veratrum album*, L.  
 1166. *Prosartes trachycarpa*, S. Watson.  
 1167. *Streptopus amplexifolius*, DC.  
 1168. *Smilacina racemosa*, Desf., Var. *amplexicaulis*, S. Watson. (&  
*amplexicaulis*, Nutt.)  
 1169. *stellata*, Desf.  
 1170. *Fritillaria atropurpurea*, Nutt.  
 1171. *padica*, Spreng.  
 1172. *Calochortus Nuttallii*, T. & G.  
 1173. *enrycarpus*, S. Watson.  
 1174. *Lloydia serotina*, Reich.  
 1175. *Erythronium grandiflorum*, Pursh.  
 1176. *Leucocrinum montanum*, Nutt. Near Carson City, Nevada. 4,500  
ft. alt. April.  
 1177. *Fora.* Near Oresana, Humboldt Valley,  
Nevada. 4,500 ft. alt. June.  
 1178. *Camassia esculenta*, Lindl.  
 1179. *Allium validum*, S. Watson.  
 1180. *brevistylum*, S. Watson. On Provo River, Uintas. 8,000  
ft. alt. July.  
 1181. *reticulatum*, Nutt. (?)  
 1182. *bisceptrum*, S. Watson.  
 1183. *Nevadense*, S. Watson.  
 1184. *atrorubens*, S. Watson.  
 1185. *acuminatum*, Hook.  
 1186. *anceps*, Kell.  
 1187. *tribraacteatum*, Torr.  
 1188. Var. *Andersoni*, S. Watson.  
 1189. *Milla grandiflora*, Baker.  
 1190. *maritima*, S. Watson. (*Allium*, Benth.) Steamboat Springs,  
W. Nevada. 5,000 ft. alt. May.  
 1191. *Luzula spadicea*, DC., Var. *parviflora*, Ledeb.  
 1192. *campestris*, DC. Bear River Cañon, Uintas. 8,000 ft. alt.  
August.  
 1193. *spicata*, Desv.  
 1194. *Juncus Balticus*, Deth., Var. *montanus*, Eng.  
 1195. Near *J. Lesneurii*, Eng. Truckee River, Ne-  
vada. 4,000 ft. alt. July.  
 1196. *filiformis*, L.  
 1197. *Draaminondii*, E. Mey.  
 1198. *Parryi*, Eng.  
 1199. *bufonius*, L.  
 1200. *triformis*, Eng., Var. *uniflorus*, Eng. Clover Mts., Ne-  
vada. 9,000 ft. alt. September.  
 1201. *longistylis*, Torr.  
*nodosus*, L., Var. *megacephalus*, Torr.



1238. *Carex Liddoni*, Boott.  
 1239. *straminea*, Schk. Divide above Provo River, Uintas. 10,000 ft. alt. July.  
 1240. *limula*, Fries. With 1231.  
 1241. *vulgaris*, Fries., Var. *juncella*, Fries.  
 1242. *Jamesii*, Torr.  
 1243. Var. (*C. Nebraskensis*, Dew.) Ruby Valley, Nevada. 6,000 ft. alt. September.  
 1244. ——— ? Washoe Valley, Nevada. 5,000 ft. alt. May.  
 1245. *laciniata*, Boott. Provo Cañon, Wahsatch. 6,000 ft. alt. July.  
 1246. *Watsoni*, Olney. Near Carson City, Nevada. 5,000 ft. alt. May.  
 1247. *rigida*, Good. Clover Mts., Nevada. 10,000 ft. alt. September.  
 1248. *saxatilis*, L., Var. *major*, ~~Boott.~~ With 1231.  
 1249. *aurea*, Nutt.  
 1250. Var. *androgyna*, Olney. Bear River Cañon, Uintas. 8,000 ft. alt. August.  
 1251. *Magellanica*, Lam. (*C. irrigua*, Sm.) With 1231.  
 1252. *atrata*, L. Bear River Cañon, Uintas. 10,000 ft. alt. Aug.  
 1253. Var. *nigra*, ~~Boott.~~ Boott.  
 1254. *Buxbaumii*, Wahl. With 1231.  
 1255. *frigida*, All. Wahsatch. 9,000 ft. alt.  
 1256. *frigida*, All. (?)  
 1257. *Raynoldsii*, Dew.  
 1258. *Geyeri*, Boott. Wahsatch, near Salt Lake City. 5,000 ft. alt. May.  
 1259. *concinna*, Br. Cottonwood Lake, Wahsatch. 9,000 ft. alt. July.  
 1260. *Rossii*, Boott.  
 1261. *capillaris*, L. Cottonwood Lake, Wahsatch. 9,000 ft. alt. July.  
 1262. *laevigata*, Mx.  
 1263. *semathorhyncha*, Desv.  
 1264. *aristata*, Br.  
 1265. *utriculata*, Boott.  
 1266. Var. *minor*, Boott. Ruby Valley, Nevada. 6,000 ft. alt. July.  
 1267. Var. *globosa*, Olney. Thousand Spring Valley, Nevada. 6,000 ft. alt. Sept.  
 1268. Form. Cottonwood Lake, Wahsatch. 9,000 ft. alt. July.  
 1269. Unusual form. Ruby Valley, Nevada. 6,000 ft. alt. August.  
 1270. *vesicaria*, L.

1271. *Carex ampullacea*, Good. (?)  
 1272. *Alopecurus aristulatus*, Mx.  
 1273. *Phleum pratense*, L.  
 1274.           *alpinum*, L.  
 1275. *Vilfa cryptandra*, Torr. (*Sporobolus*, Gray.) Monitor Valley, Nevada. 5,000 ft. alt. July.  
 1276.           *niroides*, Trin. (*Sporobolus*, Torr.)  
 1277.           *asperifolius*, Nees & Mey. (*Sporobolus*, Thurb.)  
 1278.           *ramulosus*, HBK. (*Sporobolus*, Kth.) Truckee River Bottom, Nevada. 4,000 ft. alt. July.  
 1279.           *depauperata*, Torr.  
 1280.                       Var. *filiformis*, Thurb. E. Humboldt Mts., Nevada. 7,000 ft. alt. August.  
 1281.                                       Awned form. Uintas, Bear River Cañon. 8,000 ft. alt. August.  
 1282. *Agrostis scabra*, Willd.  
 1283.           *exarata*, Trin.  
 1284.                       Var. (*A. microphylla*, Steud.)  
 1285.           *canina*, L. Clover Mts., Nevada. 11,000 ft. alt. September.  
 1286. *Polypogon Monspeliensis*, Desf. Unionville, Nevada.  
 1287. *Muhlenbergia glomerata*, Trin.  
 1288.           *sylvatica*, T. & G., Var. (?) Humboldt Pass, Nevada. 6,000 ft. alt. September.  
 1289. *Vaseya comata*, Thurb. Huntington Valley, Nevada. 6,000 ft. alt. August.  
 1290. *Calamagrostis stricta*, Trin.  
 1291.           *sylvatica*, DC. E. Humboldt Mts., Nevada. 10,000 ft. alt. August.  
 1292. *Eriocoma cuspidata*, Nutt.  
 1293. *Stipa spartea*, Trin.  
 1294.           *comata*, Trin.  
 1295.           *viridula*, Trin.  
 1296.           *occidentalis*, Thurb. Pah-Ute Mts., Nevada. 5,000 ft. alt. June.  
 1297. *Aristida purpurea*, Nutt.  
 1298. *Spartina gracilis*, Trin.  
 1299. *Pleuraphis Jamesii*, Torr.  
 1300. *Eremochloe Kingii*, S. Watson. Trinity Mts., Nevada. 4,500 ft. alt. May.  
 1301. *Koeleria cristata*, Pers. Antelope Island, Salt Lake. 4,500 ft. alt. June.  
 1302. *Ectonia obtusata*, Gray.  
 1303. *Melica poaeoides*, Nutt.  
 1304.                       Reduced form.  
 1305.           *stricta*, Bol.

1306. *Glyceria pauciflora*, Presl. Bear River Cañon, Uintas. 8,000  
ft. alt. August.
1307.           *aquatica*, Sm.
1308.           *distans*, Wahl.
1309. *Catabrosa aquatica*, Beauv.
1310. *Brizopyrum spicatum*, Hook., Var. *strictum*, Gray.
1311. *Poa annua*, L. Wahsatch Mts. 5,000 ft. alt. May.
1312.           *alpina*, L., Var. (?) Erect form.
1313.                           Nodding form.
1314.           *cæsia*, Sm. Near Var. *strictior*, Gray.
1315.           *serotina*, Ehrh. Bear River Cañon, Uintas. 7,000 ft. alt.  
August.
1316.           *flexuosa*, Muhl. (?) Wahsatch, near Salt Lake City. 5,000  
ft. alt. May.
1317.           *Kingii*, S. Watson.
1318.           *tenuifolia*, Nutt. (*Atropis Californica*, Munro?)
1319.           *Andina*, Nutt., (not of Trin.)
1320. *Eragrostis pœoides*, Beauv., Var. *megastachya*, Gray.
1321.           *Purshii*, Bernb. Truckee River Bottom, Nevada. 4,000  
ft. alt. July.
1322. *Festuca tenella*, Willd.
1323.           *microstachys*, Nutt.
1324.           *ovina*, L.
1325.                           Var. *brevifolia*. (*F. brevifolia*, Br.) Clover Mts.,  
Nevada. 11,000 ft. alt. September.
1326. *Bromus breviaristatus*, Thurb. (?) (*Ceratochloa*, Hook.)
1327.                           More glabrate form.
1328.           *ciliatus*, L. E. Humboldt Mts., Nevada. 6,000 ft. alt.  
August.
1329. *Phragmites communis*, L.
1330. *Triticum repens*, L.
1331.           *caninum*, L. W. Humboldt Mts., Nevada.
1332.           *strigosum*, Steud.
1333. *Hordeum jubatum*, L.
1334.           *pratense*, Huds.
1335.           *Himalayense*, Ritt., Var. *Ægiceras*, Steud. Antelope  
Island, Salt Lake.
1336. *Elymus condensatus*, Presl.
1337.           *Sitanion*, Schult. (*Sitanion clymoides*, Raf.)
1338.                           Taller form. Carrington Island, Salt Lake.  
4,300 ft. alt. June.
1339. *Danthonia Californica*, Bol. Wahsatch, above Parley's Park.  
7,000 ft. alt. June.
1340.                           Reduced form.
1341. *Avena fatua*, L. Unionville Valley, Nevada.
1342.           *sativa*, L.

1343. *Trisetum subspicatum*, Beauv.  
 1344. *Aira cæspitosa*, L.  
 1345.         *danthonioides*, Trin. Near Salt Lake City. 4,500 ft. alt.  
 1346. *Hierochloa borealis*, R. & S. Bear River Cañon, Uintas. 8,500 ft. alt. August.  
 1347. *Phalaris arundinacea*, L.  
 1348. *Beckmannia cruciformis*, Host.  
 1349. *Panicum capillare*, L.  
 1350.         *dichotomum*, L. Hot Springs, Ruby Valley, Nevada. 6,000 ft. alt. August.  
 1351.         *Crus-galli*, L.  
 1352. *Setaria viridis*, Beauv.  
 1353. *Cenchrus tribuloides*, L. Utah Valley. 5,000 ft. alt.  
 1354. *Equisetum arvense*, L.  
 1355.         *lævigatum*, A. Braun.  
 1356.         *robustum*, A. Braun.  
 1357. *Polypodium vulgare*, L.  
 1358. *Adiantum pedatum*, L. Wahsatch, above Cottonwood Cañon. 6-7,000 ft. alt.  
 1359. *Pteris aquilina*, L.  
 1360. *Cheilanthes lanuginosa*, Nutt.  
 1361. *Pellæa Breweri*, D. C. Eaton.  
 1362.         *densa*, Hook.  
 1363. *Cryptogramme acrostichoides*, R. Br.  
 1364. *Asplenium Filix-femina*, Bernh.  
 1365.         Var. *Michauxii*, Mett. (*A. angustum*, Willd.)  
 1366. *Aspidium Lonchitis*, Swartz. Wahsatch, above Cottonwood Cañon. 9,000 ft. alt. July.  
 1367. *Cystopteris fragilis*, Bernh.  
 1368. *Woodsia scopulina*, D. C. Eaton.  
 1369.         *Oregana*, D. C. Eaton.  
 1370. *Selaginella rupestris*, Spring.  
 1371. *Marsilia vestita*, Hook. & Grev. Goose Creek Valley, Nevada. 6,000 ft. alt. September.  
 1372. *Isoetes echinospora*, Durieu, Var. *Braunii*, Eng. Uintas, Bear River Cañon. 9,500 ft. alt. August.  
 1373. *Chara fragilis*, Desv.  
 1374.         *fetida*, A. Braun.  
 1375.         Var.  
 1376. *Nitella opaca*, Ag.  
 1377. *Weisia crispula*, Hedw.  
 1378. *Fissidens grandiflora*, Brid. Ruby Valley, Nevada. 6,000 ft. alt.  
 1379. *Pottia subsessilis*, Schwg. Near Carson City, Nevada. 4,500 ft. alt.  
 1380.         *cavifolia*, Ehrh. Near Carson City, Nevada. 4,500 ft. alt.

1381. *Pottia truncata*, Br. & Sch. Near Carson City, Nevada. 4,500 ft. alt.
1382. *Heimii*, Hook.
1383. *Anacalypta latifolia*, Nees & Hsch. Bear River Cañon, Uintas. 11,000 ft. alt.
1384. *Desmatodon latifolius*, Br. & Sch., Var. *muticus*, Br. & Sch.
1385. *flavicans*, Br. & Sch., Var. *obtusifolius*, Br. & Sch.
1386. *cernuus*, Wahl. Ruby Valley, Nevada. 6,000 ft. alt.
1387. *Didymodon rubellus*, Roth.
1388. *cylindricus*, Nees & Hsch.
1389. *Barbula subulata*, Dill. Wahsatch, near Salt Lake City. 5,000 ft. alt.
1390. *hevipila*, Br. & Sch.
1391. *brevipes*, Lesq.
1392. *ruralis*, Dill.
1393. *Mülleri*, Bruch. Near Carson City, Nevada. 5,000 ft. alt.
1394. *Ceratodon purpureus*, Dill.
1395. *Distichium capillaceum*, Hedw.
1396. *inclinatum*, Swartz. Bear River Cañon, Uintas. 11,000 ft. alt.
1397. *Encalypta vulgaris*, L.
1398. Var. *obtusa*, Br. & Sch.
1399. *rhabdocarpa*, Schwieg.
1400. *Orthotrichum Sturmii*, H. & H.
1401. *Jamesianum*, Sull.
1402. *Watsoni*, James.
1403. *anomalum*, Hedw.
1404. *levigatum*, Zetterstedt.
1405. *rupestre*, Schl.
1406. *occidentale*, James.
1407. Var.
1408. *Grimmia conferta*, Funk.
1409. *apocarpa*, Br. & Sch.
1410. *anodon*, Br. & Sch.
1411. *pulvinata*, Dill.
1412. *orbicularis*, Br. & Sch.
1413. *ovata*, Web. & Mohr.
1414. *calyptata*, Hook.
1415. *leucophæa*, Grev.
1416. *montana*, Br. & Sch.
1417. *Tayloria splanchnoides*, Schl.
1418. *Physcomitrium pygmaeum*, James.
1419. *Funaria Hibernica*, Hook.
1420. *hygrometrica*, Hedw.
1421. Var. *calvescens*, Br. & Sch.
1422. *Leptobryum pyriforme*, Dill.
1423. *Webera cruda*, Schreb.

1424. *Webera nutans*, Schreb.  
 1425.       *albicans*, Wahl.  
 1426. *Bryum pendulum*, Hsch.  
 1427.       *inclinatum*, Swtz.  
 1428.       *intermedium*, Web. & Mohr.  
 1429.       *bimum*, Schreb.  
 1430.       *torquescens*, Br. & Sch.  
 1431.       *pallescens*, Schwæg.  
 1432.       *atropurpureum*, Web. & Mohr.  
 1433.       *caespiticium*, L.  
 1434.       *argenteum*, L. Near Carson City, Nevada. 4,500 ft. alt.  
 1435.       *capillare*, Hedw., Var.  
 1436.       *Duvallii*, Voit.  
 1437.       *turbinatum*, Hedw.  
 1438.                Var. *latifolium*, Br. & Sch.  
 1439.                Var. *angustifolium*, Br. & Sch.  
 1440. *Mnium affine*, Bland.  
 1441.       *medium*, Br. & Sch.  
 1442. *Anacamniou palustre*, Dill. Bear River Cañon, Uintas. 8,500  
       ft. alt.  
 1443.       *androgynum*, Dill. E. Humboldt Mts., Nevada.  
       8,000 ft. alt.  
 1444. *Meesia uliginosa*, L. Clover Mts., Nevada. 10,000 ft. alt.  
 1445. *Philonotis fontana*, L. Cottonwood Cañon, Wahsatch. 9,000  
       ft. alt.  
 1446.       *calcareo*, Br. & Sch.  
 1447.                Var. *contorta*, James.  
 1448. *Timmia megapolitana*, Hedw.  
 1449. *Polytrichum piliferum*, L. Bear River Cañon, Uintas. 8,500  
       ft. alt.  
 1450.       *juniperinum*, Dill.  
 1451. *Polytrichadelphus Lyallii*, Mitt. Clover Mts., Nevada. 10,000  
       ft. alt.  
 1452. *Fontinalis antipyretica*, L., Var. *gigantea*, Sull.  
 1453. *Pseudoleskea catenulata*, Schl. (f) Bear River Cañon, Uintas.  
       8,000 ft. alt.  
 1454. *Eurynchium strigosum*, Hoffm. Same cañon. 9,000 ft. alt.  
 1455.       *diversifolium*, Schl.  
 1456. *Brachythecium rutabulum*, L. W. Humboldt Mts., Nevada. 6,000  
       ft. alt.  
 1457.       *asperrimum*, Mitt.  
 1458.       *rivulare*, Br. & Sch.  
 1459.       *collinum*, Schl.  
 1460.       *salebrosum*, Hoffm. Goose Creek Valley, Nevada.  
       5,500 ft. alt.  
 1461.       *latum*, Br. & Sch. Wahsatch. 8,000 ft. alt.



1462. *Brachythecium albicans*, Neck. Bear River Cañon, Uintas. 9,500 ft. alt.
1463.                   *Utahense*, James.
1464. *Camptothecium Nevadense*, Lesqx.
1465. *Amblystegium serpens*, Dill.
1466.                   *compactum*, C. Mill. W. Humboldt Mts., Nevada. 7,000 ft. alt.
1467.                   *radicale*, Beauv.
1468.                   *orthocladon*, Sull.
1469.                   *riparium*, L.
1470.                   *noterophilum*, Sull. Pack's Cañon, Uintas. 7,000 ft. alt.
1471. *Limnobium palustre*, L. American Fork Cañon, Wahsatch. 9,000 ft. alt.
1472.                   ———? New species.
1473. *Hypnum pallescens*, Schp.
1474.                   *imponens*, Hedw.
1475.                   *uncinatum*, Hedw.
1476.                   *fruitans*, L.
1477.                   *aduncum*, Hedw.
1478.                   Var. *giganteum*, Br. & Sch.
1479.                   *filicinum*, L.
1480.                   ———?
1481. *Riccia glauca*, L. Wahsatch Mts., Utah. June.
1482.                   *crystallina*, L.
1483. *Marchantia polymorpha*, L.
1484. *Fegatella conica*, Corda.
1485. *Fimbriaria tenella*, Nees. Wahsatch, near Salt Lake City. May.
1486. *Radula complanata*, Dumort. Uintas, above Duchesne River. 9,000 ft. alt. July.
1487. *Evernia vulpina*, Ach. Virginia Mts., W. Nevada. 8,000 ft. alt.
1488. *Theloschistes parietinus*, Var. *polycarpus*, Fries. Wahsatch Mts.
1489.                   Var. *lychneus*, Nyl. Wahsatch.
1490. *Parmelia olivacea*, Ach. Wahsatch.
1491.                   *conspersa*, Ach. Bear River Cañon, Uintas.
1492. *Physcia stellaris*, L. Antelope Island, Salt Lake.
1493.                   *obscura*, Nyl., Var.  $\nearrow$  Approaching *P. pulverulenta*.
1494. *Peltigera aphthosa*, Hoffm. Uintas.
1495.                   *rufescens*, Hoffm.
1496.                   *canina*, Hoffm.
1497. *Pannaria Hypnorum*, Delis.
1498. *Placodium fulgens*, DC., Var. *bracteatum*, Ach.
1499.                   *elegans*, DC.
1500.                   *vitellinum*, Naeg. & Hepp.
1501.                   *cerinum*, Naeg. & Hepp., Var. *biatorinum*, Nyl.
1502. *Lecanora rubina*, Schær.

1503. *Lecanora rubina*, Var. *opaca*, Ach.  
 1504.           *muralis*, Schær. (*L. saxicola*, Ach.)  
 1505. } *subfusca*, Ach., Var. *sylvestris*, Nyl. (?) Wahsatch.  
 1506. }           Var. *umbrina*, Nyl. Antelope Island.  
 1507.           *cinerea*, Sommerf.  
 1508.           Var. *cinereo-rufescens*, Nyl. Antelope Island.  
 1509.           *cervina*, Nyl., Var. Antelope Island.  
 1510.           Var. *eucarpa*, Nyl. Antelope Island.  
 1511. } *chlorophana*, Ach. Antelope Island.  
 1512. } , Var. *Garovaglii*, <sup>Ag.</sup> Near Carson City.  
 1513.           *xanthophana*, <sup>Ag.</sup>  
 1514. *Rinodina sophodes*, Nyl., Var. Wahsatch.  
 1515. *Cladonia pyxidata*, Fr. Uintas.  
 1516.           Var. *symphicarpa*, Fr. Uintas.  
 1517.           *fimbriata*, Fr. Uintas.  
 1518. *Biatora globifera*, Fr. Near Carson City, Nevada.  
 1519.           *Russellii*, Tuck.  
 1520.           *decipiens*, Fr.  
 1521. *Lecidea vesicularis*, Ach.  
 1522. *Buellia Montagnaci*, Tuck. Antelope Island.  
 1523.           *geographica*, Tuck.  
 1524. *Endocarpon minutum*, Schær., Var.  
 1525.           Var. *complicatum*, Schær.  
 1526.           Var. *Muhlenbergii*, Nyl.  
 1527. *Agaricus* ——— ?  
 1528. *Cantharellus aurantiaeus*, Fries.  
 1529. *Lenzites striata*, Swartz. Uintas.  
 1530. *Dædalea* ——— ? Wahsatch.  
 1531. *Hydnum* ——— ? Uintas. 9,000 ft. alt. August.  
 1532. *Merulius lachrymans*, Schum.  
 1533. *Clavaria aurea*, Schæff.  
 1534.           *formosa*, Pers. Wahsatch. 9,000 ft. alt. August.  
 1535.           *fumosa*, Pers. (?) Uintas. 10,000 ft. alt. August.  
 1536. *Lycoperdon gemmatum*, Bull.  
 1537.           *giganteum*, Batsch. City of Rocks, S. E. Idaho.  
 1538. *Peziza stercorea*, Pers.  
 1539. *Æcidium crassum*, ~~Bull.~~ Pers.  
 1540.           *Bahaix*, B. & C.  
 1541. *Puccinia*  <sup>Ag.</sup> *gigosa*, Billings.  
 1542.           *brunnea*, Billings.  
 1543.           *Gayophyti*, Billings.  
 1544. *Mycelium* ——— ?  
 1545. *Ulva merismopedioides*, Woods.  
 1546. *Lemanea catenata*, Kütz.  
 1547. *Batrachospermum vagum*, Kütz. (?)  
 1548. *Nostoc cristata*, Bailey.  
 1549. *Protococcus nivalis*, Ag.

## SUMMARY.

Phænogamous Genera, Indigenous, . . . . .	408	
Introduced, . . . . .	15	
Cryptogamous Genera, . . . . .	85	
Total of Genera, . . . . .	—	508
Phænogamous Species, Indigenous, . . . . .	1,094	
Introduced, . . . . .	28	
Cryptogamous Species, . . . . .	179	
Total of Species, . . . . .	—	1,301
Genera wholly new, . . . . .		5
Species wholly new, Phænogamous, . . . . .	85	
Cryptogamous, . . . . .	9	
Before collected, but undescribed, . . . . .	27	
Total of New Species, . . . . .	—	121

WASHINGTON, D. C., *May*, 1871.