

TO BOTANISTS.

I take pleasure in sending these lists of interesting plants to the Botanists of the U. S. and of Europe.

The same care has been taken to keep the present collection up to the standard of that of 1878, in point of quality; and in quantity much more material has been added to make the sets fully equal to those of our best collectors. To those who have secured my large Colorado collection of 1878 these plants will prove valuable additions. The 150 additional species of this year will bring the whole Colorado list up to 1100 species. To these I now add over 500 species of Utah plants. Both lists (of 1879) contain nearly 15 NEW SPECIES and about 150 not reported from those sections before.

I have left but two full sets of the Colorado collection of 1878, containing 800 species. The Utah plants are put up in sets of 400 species, and the additional Colorado plants in sets of about 100 species.

All plants STARRED are not in the sets, from lack of enough material, there being from 1 to 10 specimens each. Of these as well as the rest botanists can make selections, and their wants will be supplied as far as possible.

All specimens are first-class, except those otherwise noted in the list. It is probable that most of the doubtful plants will prove to be new species. Prof. Watson has not yet reported on the plants sent him, and therefore some are still in doubt. But notice will be given if corrections are made. I have followed the latest and best authorities in the arrangement of species in their natural order.

The additional Colorado species were secured during May, June, and a part of July. The Utah plants between July 18th and Sept. 1st. I am very greatly indebted for the unusually large and interesting list of Utah and Colorado plants to the courtesy and generosity of the Supt. of the Union Pacific R. R., to Mr. A. A. Ball Genl. Ticket Agt. of the Colorado Central R. R., to John Risley of the D. & R. G. R. R., to Mr. Sharp Supt. of the Utah Central and Utah Southern R. R., and to J. G. Kennedy and G. M. Young of the Wahsatch and Bingham Canon R. R. Had it not been for the interest which the managers of these railroads take in the exploration and development of the far West, its natural resources would still be, to the world at large, unknown and valueless. And I am glad to bear testimony to the liberality which they are ever ready to extend to scientists seeking to make known the resources of the West.

It is my intention to give another full season to the elaboration of the plants of the little known section of southern Utah; and I expect to add 1000 species to the present Utah list. Hoping that these lists will interest you,

I am respectfully yours,

MARCUS E. JONES, A. M.

Grinnell, Poweshiek Co., Iowa.

FLORA OF UTAH. First Fascicle.

COLLECTED BY MARCUS E. JONES, A. M.

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|--|---|--|
| 1351 Clematis Douglasii, Hooker.
(Fruit.) | 1431 Capsella Bursa-Pastoris,
[Moench.] | 1347 Trifolium involueratum,
[Willd.] |
| 1350 Anemone multifida, DC.
(Fruit.) | 1215 Thlaspi alpestre, L. | 1046 pauciflorum, Nutt. |
| 1194 Thalictrum Fendleri, Eng. | 1430* Lepidium intermedium,
[Gray.] | 1010 Melilotus alba, Lam. |
| 1025 Ranunculus Cymbalaria, Ph. | 1270 montanum, Nutt., var. al-
pinum, Watson. | 1031 Medicago sativa, L. |
| 1104 adoneus, Gray. | 1316 Cleome integrifolia, T. & G. | 1440* denticulata, Willd. |
| 1130 affinis, R. Br., var. leiocar-
pus, Trautv. | 1364* Viola palustris, L. | 1035 lupulina, L. |
| 1298 macranthus, Scheele. | 1359* Saponaria Vaccaria, L. | 1368* Astragalus Canadensis, L. |
| 1348 Aquilegia flavescens, Watson. | 1360* Silene acaulis, L. | 1443* Utahensis, T. & G. |
| 1349* formosa, Fisch. = <i>caerulea</i> | 1434* Menziesii, Hooker. | 1210 (Undescribed. New?) |
| 1212 caerulea, James. | 1120 Douglasii, Hooker. | 1127 Kentrophyta, Gray. |
| 1154 Delphinium elatum, L., var. (?)
occidentale, Watson. | 1372 Lychnis Ajanensis, Regel. ? = <i>Silene</i>
<i>Drummondii</i> , Watson. | 1444* Vicia micrantha, Nutt. |
| 1175 Aconitum Fischeri, Reich. | 1279* Stellaria umbellata, Turcz. | 1445* Lathyrus polymorphus, Nutt. |
| 1429* Actaea spicata, L., var. argu-
ta, Torrey. (Fruit.) | 1096* humifusa, Rottboell. | 1447* Prunus demissa, Walpers.
(Fruit.) |
| 1084 Berberis repens, Lindley.
(Fruit.) | 1203 Kingii, Watson. <i>Aren. verna</i>
<i>var. hirta</i> | 1446* Virginiana, L. |
| 1197 Corydalis Caseana, Gray. | 1160 Jamesii, Torrey. | 1142 Spiraea discolor, Pursh, var.
dumosa, Watson. |
| 1357 Draba Caroliniana, Walt., var.
micrantha, Gray. | 1363* Arenaria verna, L. | 1301 caespitosa, Nutt. |
| 1211 aurea, Vahl. | 1433* arctica, Stev., var. obtusa,
Torr. & Gr. | 1448* Neillia Torreyi, Watson. |
| 1356* Douglasii, Gray. = <i>alpina</i> | 1362* Sagina Linnæi, Presl. ? | 1449* Rubus strigosus, Mx. (Fruit.) |
| 1235 alpina, L., var. algida,
[Regel.] | 1088 Spergularia media, Presl. | 1450* Purshia tridentata, DC. (Fr.) |
| 1251 Cardamine cordifolia, Gray.
(Fruit.) | 1366* Portulaca oleracea, L. | 1451* Cercocarpus ledifolius, Nutt.
(Fruit.) |
| 1177 Arabis Drummondii, Gray. | 1435* Malva rotundifolia, L. | 1452* Geum strictum, Ait. |
| 1248 Lyallii, Watson. | 1365* Sidalcea malvaeflora, Gray. | 1264 Rossii, Seringe. |
| 1358* Caulanthus hastatus, Watson. | 1015* Malvastrum coccineum, Gray. | 1370* Fragaria Virginiana, Ehrh.,
var. glauca, Watson. |
| 1355* Erysimum asperum, DC. | 1085 Sphaeralcea acerifolia, Nutt. | 1108 Potentilla glandulosa, Lindl. |
| 1353* Brassica alba, Gray. | 1007 Sida hederacea, Torrey. | 1454* rivalis, Nutt., var. mille-
grana, Watson. |
| 1037 nigra, Benth. & Hook. | 1121 Linum perenne, L. | 1371* Pennsylvanica, L., var. stri-
gosa, Pursh. |
| 1432* Barbarea vulgaris, Br., var.
stricta, Gray. | 1112 Kingii, Watson. | 1227 gracilis, Dougl. ? |
| 1192 Sisymbrium incisum, Eng.,
var. filipes, Gray. | 1173 Geranium Richardsonii,
[Fisch. & Mey.] | 1453* Anserina, L. |
| 1117 var. Hartwegianum, Wat. | 1026 Erodium cicutarium, L'Hér. | 202 fruticosum, L. |
| 1236 Smelowskia calycina, C. A.
Meyer. | 1083 Pachystima Myrsinites, Raf. | 1237 Sibbaldia procumbens, L. |
| 1198 Nasturtium obtusum, Nutt. | * Ceanothus velutinus, Torrey. | 1113 Ivesia Gordonii, T. & G. |
| 1352 palustre, DC. = <i>obovatum</i> | 1437* Acer grandidentatum, Nutt. | 1231 New? Near to unguicu-
lata, Gray. <i>J. Watsonii</i> |
| 1047 officinale, R. Br. | 1436 glabrum, Torrey. (Fruit.) | 1455* Rosa blanda, Ait. (?) |
| 1354* Vesicaria montana, Gray. | 1438* Negundo aceroides, Moench.
(Fruit.) | 1369* Pirus sambucifolia, Cham. &
Schl. |
| | 1187 Lupinus parviflorus, Nutt. = <i>argyrus</i> | 1076 Crataegus rivularis, Nutt.
(Fruit.) |
| | 1439 laxiflorus, Dougl. = <i>arg. var. decumbens</i> | 1373* Saxifraga caespitosa, L. |
| | 1439a* argenteus, Pursh. = <i>laxiflorus</i> | |
| | 1441* Trifolium repens, L. | |
| | 1442* pratense, L. | |

*Plants marked with a star are not in the sets.

HARVARD UNIVERSITY HERBARIUM.

THE GIFT OF

- 1172 Saxifraga punctata, L.
 1377 Mitella triida, Graham
 1376 pentandra, Hooker.
 1457 Heuchera rubescens, Torrey.
 (Fruit.)
 1458 parvifolia, Nutt. (Fruit.)
 1459 Panaxa fibrata, Banks.
 1214 Jamaica Americana, T. & G.
 1374 Ribes lacustre, Poir. var. molle, (Fruit.)
 1456 cereum, Dougl. (Fruit.)
 1110 Sedum debile, Watson.
 1258 stenophyllum, Pursh.
 1141 Zauschneria Californica, (Presl.)
 1103 Epilobium angustifolium, L.
 1267 coloratum, Muhl.
 1103 alpinum, L.
 1009 organifolium, Lam.
 1298 glaberrimum, Barbey, var. latifolium, Barbey.
 1309 paniculatum, Nutt.
 1148 Gayophytum ramosissimum, (T. & G.)
 1240 racemosum, T. & G., var.
 1062 Onobrychia biennis, L., var. grandifolia, Lindl.
 1459 albicaulis, Nutt.
 1409 Gaura parviflora, Dougl.
 1276 Circea Pezidea, Aech. & Mag.
 1611 Mentzelia dispersa, Watson.
 1462 leucocaulis, T. & G.
 1060 Sesuvium Portulacastrum, L.
 12 Echinocystis lobata, T. & G.
 1028 Bernal angustifolia, Koch.
 1071 Siem cicutifolia, Gmelin.
 1184 Gium occidentalis, Nutt.
 1170 Ligusticum apiculatum, (Benth. & Hook.)
 1284 Angelica pinnata, Watson.
 1233 Cynopterus (?) sinensis, Gr.
 1054 Pseudanum sativum, Benth. & Hooker.
 1153 dracunculifolia, Watson.
 1464 Heracleum lanatum, Mx.
 1463 Ganes Carolis, L.
 1086 Coras stolonifera, Mx.
 1325 Sambucus glauca, Nutt.
 1465 racemosa, L.
 1134 Symplocaria oreophilus, (Gray.)
 1381 Louicea involuta, Banks. (Fruit.)
 1281 Galium bifolium, Watson.
 1466 apurum, L.
 1475 triflorum, M.
 1283 triflorum, L.
 1467 microphylla, Gray.
 1303 Gutierrezia Euthamia, T. & G.
 1062 Grindelia squarrosa, Dunal.
 1271 Chrysopsis villosa, Nutt., var. 1383 foliosa, Eaton.
 1209 Aplopappus Parryi, Gray.
 1342 saundersiana, Gray.
 1081 var.
 1183 Macrocnema, Gray.
 1058 Bigelovia gracilis, Gray.
 1147 var. glabrata, Gray.
 1468 Douglasi, Gray.
 1149 Solidago canadensis, Nutt.
 1219 Virga-aurea, L., var. multitradiata, T. & G.
 1017 var.
 1261 var.
 1232 nemoralis, Ait., var.
 1117 var.
 1284

- 1379 Solidago Canadensis, L.
 1191 Aster canescens, Pursh.
 1345 var.
 1308 albidescens, Lindley.
 1226 var. Parryi, Eaton.
 1180 var.
 1318 var.
 1622 var.
 1003 Aster latifolius, Lindley.
 1378 Nuttallii, G. & G.
 1122 Kingii, Eaton.
 1385 asperifolius, Eaton.
 1189 elegans, T. & G.
 1323 var. Eschmannii, Eaton.
 1216 glaucus, T. & G.
 1332 Brachyactis frondosa, Ledeb.
 1382 Townsendia scapigera, Eaton.
 1255 Erigeron compositus, Pursh.
 1207 arisum, Eaton.
 1234 caespitosum, Nutt.
 1295 ochroleucum, Nutt.
 1352 stenophyllum, Eaton.
 1057 divergens, T. & G.
 1161 macrocarpum, Nutt.
 1291 var.
 1136 glabellum, Nutt.
 1158 var. (rays white).
 1402 var. (rays white).
 1276 Circea Pezidea, Aech. & Mag.
 1208 Antennaria dioica, Gertn.
 1390 var. rosea, Eaton.
 1239 alpina, Gertn.
 1296 Anaphalis margaritacea, Bth.
 1018 Anaphalis parvifolia, L.
 1329 Apocynum androsacmifolium, L., var.
 1496 Asclepias speciosa, Torrey.
 1042 Brythra Nuttallii, Watson.
 1234 Anemone Amarella, L., var. acuta, Eng.
 1148 Sweetia perennis, L.
 1238 Phlox canescens, T. & G.
 1191 Collomia linearis, Nutt.
 1122 agnata, Porter, var. attenuata, Gray.
 1106 Glia Nuttallii, Gray.
 1408 Watsoni, Gray.
 1067 Polemonium humile, Willd.
 1493 var. pulchellum, Gray.
 1114 foliosissimum, Gray.
 1117 Phacelia crenata, Jacq. f.
 1494 Amarantus retrofractus, L.
 1447 Heliotropium Curassavicum, 1293 Echinopspermum floribundum, Lehm. (Fruit.)
 1483 Eritrichium leucoparum, (Watson.)
 1236 Mertensia Sibbaldia, Dougl.
 1311 Cosentia decora, Choix, & Eng.
 1483 Solanum triflorum, Nutt.
 1480 rostratum, Dunal.
 1012 Physalis lacustris, Mx., var. levigata, Gray.
 1406 Collinsia parviflora, Dougl.
 1222 Scrophularia californica, (Cham.)
 1466 Penstemon glaber, Pursh, var. Utahensis, Watson.
 1405 humilis, Nutt., var. brevifolia, Gray.
 1129 glaucus, Graham, var. stenosepalus, Gray.
 1088 Jaffrayana, Gray
 1169 Minuartia Lewisii, Pursh.
 1059 luteus, L.
 1398 var. alpinus, Gray.
 1402 rubellus, Gray.
 1164 monochatus, Dougl.
 1063 Veronica Anagallis, L.
 1101 Americana, Schwein.
 1404 alpina, L.

- 1051 Castilleja minor, Gray.
 1139 minima, Dougl.
 1401 var.
 1400 pallida, Kth., var. septentrionalis, Gray.
 1115 Orthocentrus Tolmiei, Hook. & Arn.
 1403 Cordyleanthus laxiflorus, Gr.
 1399 Pellicularis Greenlandica, (Retz.)
 1166 racemosa, Dougl.
 1487 Verbena hastata, L.
 1488 bracteosa, Mx.
 1219 Mentha piperita, L.
 1029 Canadensis, L.
 1150 Hieracium Scouleri, Hook.
 1478 albidum, Hooker.
 1480 Lactuca sativa, L.
 1020 pulchella, DC.
 1324 Sonchus oleraceus, L.
 1056 asper, Villars.
 1296 Vaccinium cespitosum, Mx. (Fruit.)
 1482 Arctostaphylos Uva-ursi, (Spreng.)
 1489 Ledum glandulosum, Nutt. (Mostly fruit.)
 1341 Pyrola secunda, L.
 1494 rotundifolia, L., var. incarnata, Hooker. (Fruit.)
 1395 chlorantha, Swartz.
 1293 Primula Parryi, Gray.
 1296 Androsace septentrionalis, L.
 1018 Glaux maritima, L.
 1272 Apocynum androsacmifolium, L., var.
 1330 var.
 1336 cernuum, Nutt., var. Thunbergii
 1042 Oxysia digyna, Campd.
 1183 Rumez occidentalis, Watson.
 1064 maritimus, L.
 1099 Polygonum aviculare, L., var. latifolium, Watson.
 1410 New? = ~~var. latifolium~~
 1221 Scirpus pungens, L.
 1105 coarctatum, Dougl., var. minus, Meisn.
 1408 var.
 1067 H. B. K. = ~~var. minus~~
 1493 hydrophiloides, Mx. = ~~var. minus~~
 1289 viviparum, L.
 1217 Congolus, L.
 1494 Amarantus retrofractus, L.
 1444 alba, L.
 1299 A. blitoides, Watson.
 1328 Sarcobatus vermiculatus, (Torrey.)
 1329 Sesua depressa, Watson.
 1460 fruticosa, Ford, var. ~~var. chinensis~~
 1307 Salicornia herbacea, L.
 1176 Chenopodium olidum, Wats. & ~~var. chinensis~~
 1490 urticum, L. = ~~var. chinensis~~
 1230 leptophyllum, Nutt. = ~~var. chinensis~~
 1342 hybridum, Nutt. = ~~var. chinensis~~
 1181 Blitum capitatum, L.
 1409 glaucus, Koch.
 1182 Monopeltis chenopodioides, var.
 1287 var.
 1237 var.
 1535 Jamiesi, Torrey.
 1243 aurea, Nutt.
 1247 strata, L. = ~~var. chinensis~~
 1263 var. nigra, Boott.
 1292 alpina, L.
 1302 lunulata, W. Boott n. sp. (See Flora Cal.)
 1417 Raynoldsii, Dewey.
 1204 Rossi, Boott.
 1280 stratiolata, Boott.
 1476 Alopecurus aristulatus, Mx.
 1419 Phleum pratense, L.
 1201 alpinum, L.
 1055 Sporobolus airoides, Trin.

- 1171 Salix desertorum, Rich.?
 1241 arctica, Pallus, var. pet.
 1024 Euphorbia glyptosperma, [Eng.]
 1135 montana, Eng.
 1300 Juniperus communis, L., var. humilis, Eng. (ms.)
 1286 Habanaria lycopifera, R. Br. (Pistillate.)
 1043 Triglochin maritimum, L.
 1071 Sagittaria variabilis, Eng.
 1304 Potamogeton gramineus, L. [near to var. major, Morong. (ms.)]
 1297 rufoescens, Schrad., (not Trin.)
 1053 pauciflorus, Pursh.
 1272 Sparganium angustifolium, (Eng.)
 1278 minimum, Banks.
 1499 Salicaria amplexicaulis, (Nutt.)
 1500 stellata, Desf.
 14123 Veratrum album, L.
 15019 Streptopus amplexicaulis, DC.
 1288 Luzula spicata, DC., var. [parviflora, Led.]
 14133 spicata, Desf.
 1203 Juncea Benth. Deth., var. montana, Eng.
 1097 Truncatum, E. Mey.
 14141 Dennis, Willd.
 14079 bulbosus, var.
 1199 longistylis, Torrey.
 1502 var. latifolius, Eng.
 1061 nodosus, L., var. megacaulis, (Engelm.) Torrey.
 10944 Mertensiana, Bong.
 1503 xiphoides, E. Meyer, var. littoralis, Eng.
 15034 var. montana, Eng.
 1044 Eleocharis palustris, R. Br.
 1060 scicularis, R. Br.
 15048 Scirpus pungens, L.
 10163 maritimus, L.
 15068 Carex filiformis, Nutt. (= ~~var. chinensis~~)
 15329 feldia, Ait.
 1292 Hoodii, Boott.
 14158 Hoodii, Boott. (Very slender form.)
 1282a Hoodii, Boott? (Akene oblong.)
 1218 Deweyana, Schw.
 1273 villosa, Fries, f. brunea.
 1035 Hordeum jubatum, f. pilidula.
 1060 Elymus Canadensis, L.
 1186 Sitianum, Schultz.
 1019 confusus, Presl.
 1181 Sibircus, L.
 1518a Sibircus, L.
 15193 triticeoides, Nutt.
 1186 Trisetum subspicatum, Bv.
 1245 quite pubescens, L.
 1200 Aira danthonioides, Trin. (depauperate.)
 1093 caespitosus, L., var. arctica, Vasey.
 1520 var. montana, Vasey.
 1073 Beckmannia eruciformis, 1313 Panicum capillare, L. [Host.]
 1510 Setaria glauca, Beauv.
 1224 Pteris aquilina, L., var. 1511 Pellaea densa, Hooker.
 1119 Breweri, Eaton.
 1290 Cryptogramme acrostichoides, (oides, R. Br.)
 1225 Asplenium Filix-femina, Bernh., v. angustum, (Eaton.)
 1165 Aspidium Lonchitis, Swartz.
 1277 Cystopteris fragilis, Bernh.
 1214 Woodia scopulina, Eaton.

- 1246* *Selaginella rupestris*, Spring.
1594* *Isoetes*.
1040* *Chara*.

FUNGI.

- 1424* *Puccinia aberrans*, Peck n. sp.
1521 *intermixta*, Peck n. sp.
(Wyoming Terr.)

- 1151 *Uromyces excavatus*, DC.
1314 *Trichobasis Leguminosarum*,
[Link.]
1525 *Ustilago urceolarum*, Tul.
1229 *Syntherismae*, Schw.
1426* *Uredo Filicum*, Desm.
1523* *Coleosporium minutum*, Bon.
1151 *Æcidium Euphorbiae*, Pers.

- 1131 *Æcidium Epilobii*, DC.
1521 *intermixtum*, Peck n. sp.
(Wyoming Terr.)
1524* *Giliae*, Peck n. sp.
1425 *Sphaerotheca Castagnei*, Lev.
1295 *Erysiphe lamprocarpa*, Lev. 380
* *Dothidea*.
-43 vms.
24 in.

COLORADO FLORA. ADDITIONS, 1879.

- 947 *Anemone cylindrica*, Gray.
935 *Ranunculus aquatilis*, L.,
[var. *stagnatilis*, DC.]
936 *Aquilegia chrysantha*, Gray.
1536* *Delphinium azureum*, Mx.
937 *Arabis perfoliata*, Lam. [var.
938* *Helianthemum* — [var.?]
939 *Lychnis Drummondii*, Wat.,
940 *Hypericum Scouleri*, Hooker.
941 *Ampelopsis quinquefolia*, Mx.
The western variety.
942* *Ceanothus velutinus*, Dougl.
943 *Lupinus argenteus*, Pursh.
944* *Trifolium pratense*, L.
945* *repens*, L.
946 *Medicago sativa*, L.
872 *Petalostemon candidus*, Mx.
934 *Psoralea hypogaea*, Nutt.
614 *Amorpha fruticosa*, Nutt.
869 *Astragalus flexuosus*, Dougl.
948* *Canadensis*, L.
949 *Pattersoni*, Gray.
950 *Glycyrrhiza lepidota*, Nutt.
951 *Vicia truncata*, Nutt.
(=linearis?)
912 *micantha*, Nutt. [Hooker.
914 *Neillia opulifolia*, Benth. &
952* *Geum Rossii*, Seringe, var.
[molle, T. & G.]
953 *Potentilla arguta*, Pursh.
303* *gracilis*, Dougl.
954* *Pennsylvanica*, L., var.
1537* *Crataegus rivularis*, Nutt.
955 *Saxifraga Jamesii*, Torrey.
956* *Oenothera caespitosa*, Nutt.
(Caulescent form.)
957 *breviflora*, T. & G.
635 *Cicuta maculata*, L.
958* *Berula angustifolia*, Koch.
960* *Liatris scariosa*, Willd.?
(Probably distinct.)
959* *Kuhnia eupatorioides*, L.
1538* *Aster multiflorus*, Ait., var.
commutatus, Gray.
961 *Erigeron canum*, Gray.
962* *annuum*, Pers.
1542* *Parthenium incanum*, H. B.
1543 *Heliopsis laevis*, Pers. [K.?]
599* *Lepachys columnaris*, T. & G.
963* var. *Tagetes*, Gray.
964 *Thelesperma gracile*, Gray.
809 *Hymenopappus tenuifolius*,
[Pursh.]
295 *Cnicus undulatus*, Gray.
965 var. *ochrocentrus*, Gr.
607 *Lygodesmia juncea*, Don.
966* *Sonchus asper*, Villars.
967 *Lysimachia ciliata*, L.
593 *Asclepias speciosa*, Torrey.
987* *Jamesii*, Torrey.
988* *incarnata*, L.
989 *tuberosa*, L.

- 990 *Asclepias Hallii*, Gray.
992* *Acerates auriculatus*, Eng.
968 *Gilia congesta*, Hooker, var.
crebrifolia, Gray.
971* *Eritrichium Californicum*,
DC., var. *subglochidiatum*.
970 *leiocarpum*, Wats. [Gray.
972 *glomeratum*, DC.
973 *Pentstemon glaber*, Pursh,
[var. *cyananthus*, Gray.
974 *gracilis*, Dougl.
975 *Gratiola Virginiana*, L.
848 *Pedicularis procera*, Gray.
976 *Hedeoma Drummondii*, Gray.
616 *hispida*, Pursh.
291 *Stachys cordata*, Riddell.
977* *Mirabilis oxybaphoides*, Gray.
978 *Oxybaphus hirsutus*, Sweet.
979 *nyctagineus*, Sweet. [Torr.
980* *Sarcobatus vermiculatus*,
981 *Sueda fruticosa*, Forsk., var.
982* *Rumex salicifolius*, Weinm.
871 *Polygonum erectum*, Watson.
984* *lappathifolium*, Ait., var. *in-*
canum, Koch.
1538* *Bistorta*, L., var. *lineari-*
folium, Watson.
985 *amphibium*, L., var. *aquat-*
icum, Willd.
986* *Pennsylvanicum*, L.
991 *Argythamnia humilis*, Mull.
993* *Urtica urens*, L.
994 *Pinus edulis*, Eng.
995* *Abies concolor*, Lindley.
996* *Alisma Plantago*, L., var.
[*Americanum*, Gray.
997 *Smilax herbacea*, L., var. *in-*
odora.
1539* *Habenaria dilatata*, Gray.
998* *Yucca angustifolia*, Pursh.
(Fls. and fruit, no leaves.)
999* *Luzula parviflora*, DC., var.
congesta, Eng. (ms.)
1000* *Juncus nodosus*, L., var. (near
to typical form.)
969 *tenuis*, Willd., var.
983 *Cyperus filiculmis*, Vahl.
812 *Scirpus pungens*, Vahl.
1540 *atrovirens*, Muhl.
1541* *Elyna spicata*, Schrad.
1544* *Carex Hallii*, Olney.
1590* *affinis*, R. Br.
1596 *bromoides*, Schk.
1582* *siccata*, Dewey.
303 *marcidus*, Boott.
263 *Hoodii*, Boott.
105 *disticha*, Huds.
248* *muricata*, L.
1583 var. *gracilis*, Boott.
1584 *stellulata*, L., var. *scirpo-*
ides, Carey.

- 1585 *Carex Liddoni*, Boott.
1597 *scoparia*, Schk. [nor, Dew.
1598 *straminea*, Schk., var. *mi-*
1586* *Jamesii*, Torr. Typ. form.
1587 " var. (not C. Nebras-
1588 *verticillata*, Btt. [kensis.)
1595 *stricta*, Lam.
1589* *flava*, L., var. *Æderi*, W. Btt.
1546 *Sporobolus asperifolius*, (Vil-
fa, N. & M.)
1545 *Muhlenbergia gracilis*, Gray.
807 New species? near to
[*glomerata*.
65 *Oryzopsis asperifolia*, Mx.
1547 *Stipa pennata*, L., var. *Am-*
ericana, Vasey.
1548 *Aristida purpurea*, Nutt., var.
Fendleriana, Vasey.
1549 *Leptocloa fascicularis*, Gray.
1550* *Melica bulbosa*, Geyer.
754 *Glyceria alhoides*, Thurber.
1551 *Poa*. New species?
1552* *Bromus secalinus*, L.
1553 *Triticum repens*, L., var. *com-*
pactum, Vasey.
1578 *repens*, L. Double spike-
1579 *violaceum*, Hornem. [lets.
1580 — Between *repens* and
[*caninum*.
1581 *Elymus Sibiricus*, L.
1554 *Avena striata*, Mx.
1555 *Phalaris arundinacea*, L.
897 *Equisetum pratense*, Ehrh.
1556* *hyemale*, L.

FUNGI.

- 1560 *Puccinia Physalidis*, Peck
[n. sp.]
1561 *Uromyces excavatus*, DC.
1562 *hyalinus*, Peck.
1577* *Lupini*, B. & C. [Link.
1563 *Trichobasis Leguminosarum*,
1564 *gaurinum*, Peck n. sp.
1565 *Sorosporium Astragali*,
[Peck n. sp.]
1574* *atrum*, Peck n. sp.
1566* *Coleosporium minutum*, Bon.
1567 *Æcidium Euphorbiae*, Pers.
1568 *hemisphaericum*, Peck.
1569 *gaurina*, Peck n. sp.
1570 *Psoraleae*, Peck. [Lev.
1572 *Microsphaeria holosericea*,
1573 *Sphaerella megastoma*,
Peck n. sp.
1575 *Erysiphe communis*?
1576 *Melampsora Hartigii*, Thum.

KANSAS PLANTS.

- 1557* *Viola pubescens*, Ait., var.
eriocarpa, Nutt. (Fruit.)
1558 *Æsculus arguta*, Buckley.
1559 *Astragalus mollissimus*, Torr.

CORRECTIONS TO LIST OF 1878.

Aster multiflorus—var. *commutatus*, Gray, in part.—*Ranunculus aq.*, var. *stagn.*—var. *trichophyllus*, Chaix.—*Arabis hirsuta*—*perfoliata*, L., in part.—*Lychnis Drum.*—*Silene antirrhina*, L.—*Seseli Hallii*—*Cymopterus* (?) *anisatus*, Gray.—No. 140—*Thaspium montanum*, Gray.—*Gentiana Am.*—var. *aenta*, Eng.—*Polemonium humile*—var. *pulchellum*, Gray.—*Onosmodium Carol.*—*molle*, Mx.—*Aristida purp.*, var. *Fendl.*—var. *longiseta*, Vasey, (in part.)—*Stipa spartea*—*comata*, Trin.—*Aira danth.*—*caespitosa*, L., var. *arctica*, Vasey.—No. 600—*P. rufescens*, Schrad.—No. 734—*P. pauciflorus*, Pursh.—*Potamogeton Vaseyi*—*pectinatus*, L.—*Delphinium Menziesii*—*bicolor*, Nutt.—*Abronia cycloptera*—*micantha*, Torrey.—*Berberis Aquifolium*—*repens*, Lindley.—*Iris tenax*?—*Missouriensis*, Nutt.—*Rumex long.*—*occidentalis*, Watson.—*Zygadenus glaucus*—*elegans*, Pursh. Changes in synonyms are omitted.



Jones, Marcus E. 1879. "Flora of Utah, First Fascicle. Colorado Flora, Additions." *Flora of Utah*

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