

Some 50 other species uncollected in this list.

Picea Aug.

COLORADO FLORA. *M. Jones 1878*

- ~~Engelmanni, Torr.~~
subalpina.
- Abronia cycloptera, Gray.
- fragrans, Nutt.
- Acer glabrum, Torr.
- Achillea Millefolium, L.
- Aconitum nanatum, Fisch.
- Actaea spicata, L., var. arguta.
- Actinella scania, Nutt.
- grandiflora, T. & G.
- Richardsonii, Nutt.
- scopula, Nutt.
- Adoxa Moscatellina, L.
- Agrimonia Eupatoriæ, L.
- Agrostis scabra, Willd.
varians, *R. Br.*
- Allium cernuum, Roth.
- reticulatum, Fras.
- Nuttallii, Watson.
- Alnus incana, Willd.
- Alopecurus aristulatus, Mx.
- Amaranthus albus, L.
- biloides, Watson.
- retroflexus, L.
- Ambrosia psilostachya, DC.
trifida, L.
- Amelanchier Can., var. alnifolia
- Ammantha latifolia, L.
- Amorpha fruticosa, Nutt.
- Ampelopsis quinquefolia, Mx.
- Andropogon ~~scoparius, DC.~~
~~scoparius, Muhl.~~
scoparius, Mx.
- Androsace septentrionalis, L.
- Anemone multifida, DC.
patens, L. var. Nuttalliana.
Pennsylvanica, L.
- Antennaria alpina, Gaertn.
Carpathica, R. Brown, var.
pulcherrima, Hook.
dielsii, Gaertn.
- Aphyllon fasciculatum, T. & G.
- Apocynum cannabinum, L.
androsamifolium, L.
- Aplopappus Fremontii, Gray.
inuloides, T. & G.
Parrii, Gray.
pygmaeus, Gray.
~~rigidus, T. & G.~~
spinulosus, DC.
- Aquilegia caerulea, Torr.
vulgaris, L. *V. A.*
- Arabis Drummondii, Gray.
hirsuta, Scop.
retrofracta, Griseb.
- Aralia nudicaulis, L.
- Archangelica stropurp., Hoffm.
Gmelin, DC.
- Arctostaphylos Uva-ursi, Spr.
- Arenaria arctica, Stev.
Fendleri, Gray.
" var. subcongesta, Wat.
" var. effusa, Porter.
lateriflora, L.
verna, L.
Rossii, R. Br.
- Arenotholium robustum, Eng.
- Argemone Fendleri, Gray.
- Argemone hispida, Gray.
- Aristida oligantha, Mx.
purpurea, Nutt., var. *(Fendleri)*
- Arnica angustifolia, Wahl.
cordifolia, Hook.
latifolia, Bong.
molle, Hook.
- Artemisia ~~canadensis, DC.~~
~~canadensis, Nutt.~~
Canadensis, Mx.

- Artemisia filifolia, Torr.
dracunculoides, Parsh.
frigida, Willd.
Ludoviciana, Nutt., typical
form and 3 var. ciles.
scopularum, Gray.
glomerata, Gray.
Norvegica, L.
tridentata, Parsh.
biennis, L.
- Asclepias speciosa, Torr.
ovalifolia, Desainne,
verticillata, L., var.
- Aspidium Filix-mas, Swa.
- Asplenium Trichomanes, L.
septentrionale, L.
- Aster Fendleri, Gray.
abscondens, Lindl.
" var. ciliatifolius, T. & G.
" var. Fremontii, T. & G.
" var. Parrii, Watson.
ericoides, L., var. strictus.
Coloradensis, Gray.
Nuttallii, T. & G.
glacialis, Nutt.
glauces, T. & G.
levis, L.
multiflorus, Ait.
Norm-Anglia, L.
ptarmicoides, T. & G.
silugineus, Rich.
- Astragalus aboriginum, Rich.
adsurgens, Pall.
alpinus, L.
bisculatus, Gray.
campestris, Gray.
Canadensis, L.
caryocarpus, Ker.
decumbens, Gray.
diversifolius, Gray.
Drummondii, Dougl.
flexuosus, Dougl.
hypogæticus, L.
iodanthus, Watson.
Kentrophyta, Gray.
lotifolius, Hook.
microlobus, Gray.
Missouriensis, Nutt.
multiflorus, Gray.
oreobolus, Hornem, var. *(Americana, Gray.)*
Americana, Gray.
Parrii, Gray.
pictus, Gray, var. *(Fendleri)*
Fendleri, Gray.
racemosa, Parsh.
Shortiana, Nutt.
sparsiflorus, Gray.
triflorus, Gray.
- Atriplex patula, L.
- Bahia oppositifolia, T. & G.
- Beckmannia cruciata, Host
- Berberis Aquifolium, Parsh.
- Betula glandulosa, Mx.
occidentalis, Hook.
- Bistum capitatum, L.
- Bidens chrysanthemoides, Mx.
frondosa, L.
bipinnatis, L.
- Bigelovia Bigelovii, Gray.
Douglasii, Gray.
var. lotifolia, Gray.
var. lotifolia, Gray.
gravesolens, Gray. *rad.*
~~gracilis, Gray.~~
Parrii, Gray.
~~Canadensis, Gray.~~
- Bouteloua curtipendula, Gray.
oligostachya, Torr.

- Brickellia Californica, Gray.
grandiflora, Nutt.
- Bromus ciliatus, L. *var. par-*
gusa, L.
breviaristatus, Thurber? *945*
- Brunella vulgaris, L. *945*
- Buchloe dactyloides, Eng.
- Calamagrostis Canadensis, Br.
stricta, Trin. *945*
- Calamagrostis pygmaea, Gray.
- Callitriche verna, L.
- Calochortus Gunnisoni, Watson
- Callitriche leptosepala, DC.
- Calystegia sepium, R. Br.
- Camelina sativa, Crantz.
- Campanula trachelium, Fisch.
Longobardiana, Fisch.
rotundifolia, L.
- Capsella Bursa-pastoris, M'ach
- Cardamine cordifolia, Gray.
- Carum Gaidneri, B. & H.
- Castilleja breviflora, Gray.
integra, Gray.
linariaefolia, Benth.
pallida, Kth and two forms
called varieties.
sessiflora, Parsh.
- Catabrosa aquatica, Beauv.
- Ceanothus Fendleri, Gray.
ovalis, Bigelow.
ovatus, Desf.
- Cenchrus tribuloides, L.
- Cercocarpus parvifolius, Nutt.
- Cerastium arvense, L.
vulgatum, L., var. Boh-
ringianum, Gray.
nutans, Raf., var. brachy-
pedium, Eng.
- Cereus viridiflorus, Eng.
- Chaenactis Douglasii, H. & A.
- Chera, two species not named.
- Cheilanthes Fendleri, Hook.
lanuginosa, Nutt.
tomentosa, Link.
- Chenopodium album, L.
Fremontii, Watson.
hybridum, L.
leptophyllum, Watson.
- Chionophila Jamesii, Benth.
- Chrysope villosa, Nutt., 3 vars.
- Cicuta maculata, L.
- Circaea Pacifica, Gray.
- Cnicus Drummondii, var. ac-
ulescens, Gray.
eriocarpus, Gray.
Parrii, Gray.
undulatus, L.
- Claytonia arctica, Adams.
Caroliniana, Mx.
- Chamaeneris, Esch. & Led.
- Clematis alpina, L., var. Och-
otensis, Gray.
Douglasii, Hook.
ligusticifolia, Nutt.
Scottii, Porter.
- Cleome integrifolia, T. & G.
- Collinsia parviflora, Dougl.
- Colonia gracilis, Dougl.
linearis, Nutt.
longiflora, Gray.
- Comandra pallida, DC.
- Convolvulus lobatus, Eng. & G.
- Cerispermum hyssopifolium, L.
- Cornus stolonifera, Mx.
- Corydalis aurea, var. montana.
- Corylus rostrata, Ait.
- Crataegus Douglasii, Lindl?
(2 widely different forms.)
- Cryptogramme acrostichoides.

- Crepis acuminata*, Nutt.
runcinata, T. & G.
Croton Texensis, Mill.
Cucurbita perennis, Gray.
Cuscuta decora, Choisy, & Eng.
Gromovii, var. *curta*, Eng.
Cymopterus alpinus, Gray.
glomeratus, DC.
montanus, Nutt.
Cycloboma platyphyllum, Moq.
Cyperus inflexus, Muhl.
Schweinitzii, Torr.
Cystopteris fragilis, Bernh.
Dalea Jamesii, Torr.
Dianthus sericeus, Nutt.
Delphinium aureum, Mx.
Menziesii, DC.
scopulorum, Gray.
Diplopappus ericoides, T. & G.
Dodecatheon Meadia, L.
Draba alpina, L.
azara, Vahl.
crassifolia, Griseb.
seterosa, var. *lutea*, Gray.
 " var.?
Caroliniana, Walt., v. *micrantha*, Nutt.
strepocarpa, Gray.
 " var.?
Dracopcephalum parviflorum.
Dryas octopetala, L.
Dysodia chrysanthemoides, Lag.
Echinocystis lobata, T. & G.
Echinopernum deflexum, Leh.
Redowkii, Lehn.
lelocarpum, Watson.
Eleocharis acicularis, R. Br.
palustris, R. Br.
Ellisia Nyctelea, L.
Elymus arenarius, Nutt.
Canadensis, L.
Stantonii, Schult.
triticeoides, Nutt.
Virginicus, L.
Elyna spicata, Schk.
Epilobium alpinum, L.
angustifolium, L.
latifolium, L.
origanifolium, L.
palustre, L.
coloratum, Muhl.
Equisetum pratense, Ehrh.
Kragrostris psacoides, Bv., var.
megastachya, Gray.
Purshii, Bernh.
Erigeron armerisefolium, Turcz.
Bellidiastrum, Nutt.
Canadense, L.
ennum, Gray.
compositum, Pursh.
divergens, T. & G.
flagellaris, Gray.
macranthum, Nutt.
coccineum, T. & G.
ursinum, Eaton.
unicolorum, L.
radicum, L.
Eriocoma cuspidata, Nutt.
Eriogonum alatum, Torr.
annuum, Nutt.
oxyrhynchum, Benth.
occeum, Nutt.
flavum, Nutt.
Gordonii, Benth.
Jamesii, Benth.
 " var.?
microthecum, Nutt., var.
Fendlerianum, Benth.
 " var. *effusum*, T. & G.
pauciflorum, Pursh.
umbellatum, Torr.
Eriophorum polystachyon, L.
- Eritrichium aretioides*, Hook.
crassicepalum, Torr.
glomeratum, DC., var.
virgatum, Porter.
Jamesii, Torr.
villosum, DC., var.
Erysimum segetum, DC., var.
Arkansanum, Nutt.
 var. *pumilum*, Watson.
cheiranthoides, L.
Eupatorium purpureum, L.
Euphorbia dietschoperna, Eng.
Fendlerii, T. & G.
glyptosperma, Nutt.
marginata, Pursh.
montana, Eng.
petaloidea, Eng.
revoluta, Eng.
serpyllifolia, Pers.
stictospora, Eng.
Eurotia lanata, Moq.
Evania vulpina, Wulf.
Evolvulus argenteus, Pursh.
Fallugia paradoxa, Torr.
Festuca tenella, Willd.
ovina, L., var. *durinsecula*.
Fragaria vesca, L.
Virginiana, Ehrh. (f. *typ.*)
Franseria Hookeriana, Nutt.
tenifolia, Gray.
Freelichia Floridae, Moq.
Fraxus speciosa, Dougl.
Gaillardia aristata, Pursh.
pinnatifida, Torr.
Gallium boreale, L.
triflorum, Mx.
Gaura coccinea, Nutt.
parviflora, Dougl.
Gayophytum racemosum, T. & G.
ramosissimum, T. & G.
Gentiana affinis, Smith.
Amarelli, L.
barbellata, Eng.
frigida, Haenke, var. *al-gida*, Pall.
humilis, Stev.
Farryi, Eng.
Geranium Fremontii, Torr.
Richardsonii, F. & M.
Geum Rosei, Seringe.
macrophyllum, Willd.
strictum, Ait.
triflorum, Pursh.
rivale, L.
Gilia aggregata, Spreng.
inconspicua, Dougl.
pinnatifida, Nutt.
pungens, Benth.
Glycyca aroides, Thunber.
hiaritima, Wabl.?
versata, Trin.
Glycyrrhiza lepidota, Nutt.
Guaphalium leuco-album, L.
strictum, Gray.
Guaphalium flexuosum, Thb.
Grindelia squarrosa, Donal.
Gutierrezia Euthamiae, T. & G.
Habenaria hyperborea, Gray.
obtusata, Lindl.
Hedeoma Drummondii, Benth.
hipida, Pursh.
Helianthus autumnalis, L.
Helianthus leucolarius, Dougl.
Nuttallii, Gray.
petiolaris, Nutt.
pumilus, Nutt.
 " ?
rigidus, Desf.
Heliotropium Cnassaveium, L.
Hernandezia lanatum, Mx.
- Hebechea bracteata*, Seringe.
Hallii, Gray.
parviflora, Nutt.
Hieracium triete, Willd.
Hieracium boreale, R. & S.
Hippuris vulgaris, L.
Hordeum jubatum, L.
pratense, Hudson.
Hemulus Lupulus, L.
Hydrophyllum Fendlerii, Gray.
occidentale, Gray, var.
Hymenopappus tenuifolius, Ph.
Hypericum Scouleri, Hook.
Ipomoea leptophylla, Torr.
Iris tenax, Dougl.?
Iva axillaris, Pursh.
xanthiifolia, Gray.
Jamecia Americana, T. & G.
Junus alpinus, Vill.
Balticus, Deth.
bufonius, L.
Drummondii, E. Meyer.
longistylis, Torr.
Mertensiana, Bong.
nodosus, L., v. *megaccephalus*, Torr.
tenuis, Willd.
trigintia, L.
xiphioides, E. Meyer, var.
montanus, Eng.
Juniperus Virginiana, L.
occidentalis, Hook.
Kalmia glauca, Ait.
Koeleria cristata, Pers.
Kuhnia eupatorioides, L., var.
gracilis, T. & G.
Lactuca Ludoviciana, DC.
Lathyrus linearis, Nutt.
ornatus, Nutt.
palustris, L.
polymorphus, Nutt.
Lernaea oxyoides, Swz.
Letna minor, L.
Lepachys columnaris, T. & G.
Lepidium intermedium, Gray.
 " ?
montanum, Nutt.
Virginicum, L.
Lepturus paniculatus, Nutt.
Leucoceriaum montanum, Nutt.
Liatrix punctata, Hook.
Ligusticum spithameum, H. & B.
scopulorum, Gray.
Lilium Philadelphicum, L.
Linum aquaticum, L.
Linaria Canadensis, Spreng.
Linnaea borealis, Gromov.
Linum perenne, L.
Listera cordata, R. Br.
Lithospermum angustifol., Mx.
multiflorum, Torr.
Lloydia serotina, Reich.
Lobelia siphilitica, L.
Lonicera involucrata, Banks.
Lophanthus anisatus, Benth.
Lowellia aurea, Torr.
Lupinus argenteus, Pursh, var.
decanbens, Watson.
caespitosus, Nutt. fruit.
parviflorus, Nutt.
pauciflorus, Pursh.
Luzula spadiacea, DC., var. *parviflora*, Ledeb.
spicata, Desv.
Lychnis apetalia, L.
Drummondii, Watson.
Lycopus sinuatus, Ell.
Lygodesmia juncea, Don.
Lysimachia ciliata, L.
Lythrum alatum, Pursh.
Malvastrum coccineum, Gray.
Medicago sativa, L.

- Machseranthera canescens*, Gr.
 var. *latifolia*, Gray.
tanaoetifolia, Nees.
Melampodium cinereum, DC.
Mentha Canadensis, L.
Mentzelia albicaulis, Dougl.
multiflora, Nutt.
nuda, T. & G.
Mertensia alpina, Don.
breviata, Watson.
lancofolata, Gray.
Sibirica, Don.
Mimulus floribundus, Dougl.
Jamesii, Torrey, var. *Fremontii*, Benth.
luteus, L.
Mitella pentandra, Hook.
Mollugo verticillata, L.
Monarda aristata, Nutt.
lobulosa, L.
Monardella odoratissima, Bth.
Monolepis chenopodioides, Moq.
Montelia tamariscina, Gray.
Muhlenbergia gracilis, Gr., var. *Fendleri*.
gracillima, Torr.
glomerata, Trin. ? — 1866,
 C. Wright; collected in New
 Mexico by Wright and tick-
 eted as above but I think
 must be a new species. "Vasey
sylvatica, T. & G.
Texana, Thurber.
Mulgedium pulchellum, Nutt.
Munroa squarrosa, Torr.
Muscium divaricatum, Nutt.
Myosurus minimus, L.
Nabalus racemosus, Hook.
Nasturtium obtusum, Nutt.
officinale, R. Br.
palustre, DC.
sinuatum, Nutt.
Negundo aceroides, Moench.
Neillia Torreyi, Watson.
Netholena Fendleri, Kunze.
Obione argentea, Moq.
canescens, Moq.
confertifolia, Torr.
Eleocharis albicaulis, Nutt.
biennis, L.
caespitosa, Nutt.
coronopifolia, T. & G.
pinastifida, Nutt.
serulata, Nutt.
Onosmodium Carolinense, DC.
Ogonia Missouriensis, DC.
Orthocarpus luteus, Nutt.
Oryzopsis asperifolia, Mx.
micrantha, Thurber.
Osmorhiza nuda, Torr.
Oxalis stricta, L.
Oxybaphus angustifolius, Sweet
nyctagineus, Sweet.
 var. *Cervantesii*, Gray.
Oxyris digna, Campf.
Oxytropis campestris, L.
deflexa, DC.
Lamberti, Pursh.
multiceps, Nutt.
splendens, Dougl.
Pachystima Myrsinites, Raf.
Panicum capillare, L.
Crus-galli, L.
dichotomum, L.
paniciforme, Ell.
virgatum, L.
Parietaria Pennsylvanica, Muhl.
Parnassia parviflora, DC.
Paronychia Jamesii, T. & G.
palustris, Gray.
sessiliflora, Nutt.
Pectis angustifolia, Torr.
Pedicularis bracteosa, Benth.
Canadensis, L.
crenolata, Benth.
trienlandica, Rets.
Paezyl, Gray.
proera, Gray.
racemosa, Dougl.
scopolarium, Gray.
Pellaea atropurpurea, Link.
Peltigera aphthosa, Hedf.
Pentstemon acuminatus, Dougl.
albides, Nutt.
caeruleus, Nutt.
Fremontii, Gray.
glaber, Pursh.
glaucus, Grub.
Hallii, Gray.
humilis, Nutt.
secundiformis, Benth.
Pericoma caudata, Gray.
Petalostemon violaceus, Mx.
macrostachys, Torr.
Poaecadum nudicaule, Nutt.
Phacelia circinata, Jacq.
glandulosa, Gray.
Popel, T. & G.
sericea, Gray.
Phalaris Canadensis, L.
Phleum alpinum, L.
pratense, L.
Phlox caespitosa, Nutt., var.
condensata, Gray.
longifolia, Nutt.
Physalis lobata, Torr.
Pennsylvanica, L.
viscosa, L.
Physaria didymocarpa, Gray.
Picea pungens, Eng.
Pinas aristata, Eng.
contorta, Eng.
flexilis, James.
penderosa, Dougl.
Placidium elegans, (Link) Nyl.
Plantago eriopoda, Torr.
Patasgonia, Jacq., var.
gnaphalifolia, Gray.
 var. *aristata*, Gray.
Pleuraphis Jamesii, Torr.
Pleurogyne rotata, Griseb.
Poa Andina, Nutt.
 " ?
abbreviata.
alpina, L.
 " ?
arctica, R. Br. ?
arctica or *laxa*, Haenke.
caesia, Smith.
 " ?
 " var. *strictior*, Gray.
flexuosa, Muhl., var. ?
 " var. *occidentalis*, G.
laxa, Haenke.
pratensis, L.
 " ?
 " var.
serotina, Ehrh.
tenuifolia, Nutt.
 " ?
Polemonia uniglandulosa, DC.
Polemonium caeruleum, L., var.
foliosissimum, Gray.
confertum, Gray.
 var. *militum*, Gray.
viscosum, Nutt.
Polygonum amphibium, L., var.
terrestre, Willd.
sere, L.
svienlare, L.
Bistoeta, L., var. *oblongi-*
folium, Meien.
Convolvulus, L.
dumetorum, L.
Polygonum incarnatum, Ell.
ramosissimum, Mx.
tenu, Mx.
 " var. *viriparum*, L.
Polypodium vulgare, L. (A very
 reduced form, alt. 8,800 ft.)
Populus balsamifera, L., var.
angustifolia, Watson.
 var. *canadensis*, Gray.
tremuloides, Mx.
Portulaca oleracea, L.
Potamogeton natans, L.
Vaseyi, Robbins.
 — ?
 — ?
Potentilla Anserina, L.
fruticosa, L.
glandulosa, Lindl.
gracilis, Dougl.
Hippiana, Lehm.
humifusa, Nutt.
nives, L.
Norvegica, L.
Pennsylvanica, L., var.
strigosa, Pursh.
Plattena, Nutt.
paradoxa, Nutt.
Primula angustifolia, Torr.
Perryi, Gray.
Prunus Americana, Marshall.
Chicana, Mx.
Pennsylvanica, L.
Virginiana, L.
Pseudotsuga Douglasii, Corr.
Peorales argophylla, Nutt.
floribunda, Nutt.
lancofolata, Pursh.
Pteris aquilina, L.
Pyrola rotundifolia, L.
secunda, L.
Pyrus sambucifolia, Ch. & Sch.
Quercus alba, L., var. *Gunn-*
soni, Torr.
Ranunculus adonoides, Gray.
affinis, R. Br., var. *cardi-*
ophyllum, Gray.
 var. *leucocarpus*, Traut.
aquifolia, L., var. *stagnat-*
ilis, DC.
Flammula, L., var. *repans*,
hyperboreus, Roth., var.
natans, C. A. Mey.
Nuttallii, Gray.
repens, L.
sceleratus, L.
Rhus aromatica, Ait., var. *tri-*
lobata, Gray.
glabra, L.
Toxicodendron, L.
Ribes aureum, Pursh.
ceresum, Dougl.
hirtellum, Mx.
lacustre, Poir.
leptanthum, Gray.
prostratum, L'Her.
Rosa blanda, Ait.
Rubus deliciosus, Torr.
strigosus, Mx.
Rudbeckia hirta, L.
laciniata, L.
Rumex Acetosella, L.
longifolius, DC.
salicifolius, Weinm.
venosus, Pursh.
Sagittaria variabilis, Eng.
Salix arctica, Pall., var. *pet-*
raea, Anders.
chlorophylla, And.
cordata, Muhl.
desortorum, And.
longifolia, Muhl., var. *ar-*
gophylla, Nutt.

- Salix* *irrorata*, And.
algra, Marsh., var. *amygdaloides*, And.
Nucua-Anglicae, And., var. *pseudo-cordata*, And.
rotundata, L.
rostrata, Richards.
Salvia lanceolata, Willd.
Samolium racemosum, L., var. *pubens*, Watson.
Sanicula Marilandica, L.
Saponaria Vaccaria, L.
Saxifraga bronchialis, L.
caespitosa, L.
cerosa, L.
debilis, Eng.
ingularis, Watson.
nivalis, L.
punctata, L.
riverialis, L.
sepyllifolia, Pursh.
tricuspidata, Gray.
Scirpus palustris, Lightf.
pungens, Vahl.
validus, Vahl.
Scrophularia nodosa, L.
Scutellaria tomentosa, Torr.
Scutellaria anthemum, Gray.
bellula, DC.
capitata, Pursh.
aguiola rupestris, Spring.
scocio amplexans, Gray.
Andrus, Nutt.
aureus, L., var. *croceus*, G.
 var. *Balsamites*, T. & G.
 var. *obovata*, T. & G.
canus, Hook.
cermua, Gray.
cremophyllus, Richards.
filifolius, Nutt.
Fremontii, T. & G.
longilobus, Benth.
lugens, Richards, var. *exaltatus*, Eaton.
 var. *Hookeri*, Eaton.
triangularis, Hook.
repifolius, Gray.
Seseli Hallii, Gray.
Setaria Italica, Kunth.
viridis, Beauv.
glauca, Beauv.
ovolata.
Sibbaldia procumbens, L.
Sidaheca malvaeflora, Gray.
Silene acaulis, L.
Sisymbrium ramosissimum, Nutt.
incisum, Eng.
 — var.
Sisyrinchium mucronatum, Mx.
Smelowskii calycinus, Meyer.
Smilacina racemosa, Desf., var. *amplexicaulis*, Watson.
stellata, Desf.
Solanum nigrum, L.
rostratum, Desf.
triflorum, Nutt.
Solidago Guitadensis, Gray, var. *spectabilis*, Eaton.
lancoolata, L.
Missouriensis, Nutt.
memoralis, Ait.
 var. *mollis*, Bartl. (?)
 var. ? (*peculiar form*)
rigida, L.
speciosa, Nutt., var. *angustata*, Gr. ? [Gray.]
Virga-aurea, L. (typ. l'm)
 var. *multiradiata*, T. & G.
 var. *alpina*, Big.
gigantea, Ait. ? (Gray.)
Sophora sericea, Pursh.
Sorghum avenaceum, Chap. ?
~~avenaceum~~
Sorghum curycarpum, Eng.
Spartina cynosuroides, Willd.
Sperobolus airoides, Torr.
cryptandrus, Gray.
ramulosus, H. B. K.
Specularia perfoliata, A. DC.
Spiraea dumosa, Nutt.
Spiranthes Romanzoffiana, Ch.
Stachys cordata, Riddell.
Stanleya pinnatifida, Nutt.
Stellaria borealis, Bigel.
Jamesiana, Torr.
longipes, Goldie.
longifolia, Muhl.
umbellata, Turcz.
Stipa ~~canadensis~~ ^{consta}
viridula, Trin.
viridula, Trin. ?
Streptopus amplexifolius, DC.
Suaeda petiolaris, Gray : very
Suaeda perennis, L. [rare].
Symphoricarpos Oreophilus, G.
occidentalis, B. Br.
Syntherisma alpina, Gray.
plantaginea, Benth.
Talinum terrefolium, Pursh.
Taraxacum palustre, DC.
Teloxys cornuta, Torr.
Thalictrum alpinum, L.
Fendleri, Gray.
purpurascens, L.
sparsiflorum, Turcz.
~~Thlaspi trachypleurum, Gray~~
~~Thlaspi trichocarpum, Gray~~
Thlasperia filifolium, Gray.
gracile, Gray.
Thermopsis fabacea, DC., var. *montana*, Gray.
Thlaspi alpestre, L.
Townsendia grandiflora, Nutt.
sericea, Hook.
Tridaxantha Virginica, L.

Tritium
agilipoides, T. & G.
Trifolium dasycarpum, T. & G.
nanum, Torr.
Parryi, Gray.
Trigonochloa palustris, L.
Trisetum alpestre ?
spatum.
subspatum, Beauv.
 var. *molle*, Gray.
Tritium repens, L.
 var. *acutum*, Vasey.
 var. *compactum*, Vasey.
caninum, L.
violaceum, Hornemann.
Trellis laxus, Salisb.
Troximum auranticum, Gray.
cuspidatum, Pursh.
glaucom, Nutt.
glaucom, Nutt. ?

- Urtica gracilis*, Ait.
Usnea barbata, Fries.
Ustilago arceolarum, Tul.
Vaccinium caespitosum, Mx.
Myrtillus, L.
Valeriana edulis, Nutt.
cyrtica, Richards.
Vaseya comata, Tharber.
Vehena Auletica, L.
bracteosa, Mx.
hastata, L.
Veronica alpina, L.
Americana, Schw.
pergrina, L.
Vesicaria Ludoviciana, DC.
montana, Gray.
Viburnum paniculatum, Pylea.
Vicia Americana, Muhl.
Vilfa cuspidata, Torr.
longifolia.
tricholepis, Torr.
Villanova chrysanthemoides, G.
Viola biflora, L.
Canadensis, L.
canina, L.
ocullata, Ait.
delphinifolia, Nutt.
Nuttallii, Pursh.
palustris, L.
Vitis riparia, Mx.
Woodia Oregonica, Eaton.
scopolina, Eaton.
Xanthium strumarium, L.
 var. *echinatum*, Gray.
Ximocenia encelioides, Cav.
Yucca angustifolia, Pursh.
Zinnia grandiflora, Nutt.
Zygadenus glaucus, Nutt.
Nuttallii, Gray.

Psoralea hypogaea *Sannichellia*
palustris

QK 125 J65 K78-81 H1

COLORADO FLORA.

The accompanying list includes (with the appendix) all the species and varieties collected by me in Colorado during the season of 1878. Most of the sets of 800 species were subscribed for before they were collected; six remain to be sold at the regular price of \$50.00, *delivered*. The specimens are carefully pressed and so well preserved that the colors of the flowers are preserved in almost every case. The whole collection has been carefully reviewed by Drs. Gray, Parry, Engelmann; by M. S. Bebb, Geo. Vasey, Willey, Peck, &c., and thus no pains have been spared to make the names correct. There will be found to be over 75 additions to Porter's "Flora," and species not in his "Flora" are therefore called "new to Colorado" as his work is the only one of consequence on the plants of Colorado. A few of these have been found by others, and a few are included in recent Government publications. There are seven *new* species and varieties in this collection, two of them named by Dr. Engelmann and five by Dr. Gray and Serena Watson.

A number of specimens will remain after the sets are put up; persons can select from these such as they desire, at 10 cts. per specimen. Printed labels will accompany each species, stating the day and place of collection. Persons desiring specimens or sets should write at once.

MARCUS E. JONES, A. M.,
Grinnell, Iowa.

ADDENDA.

NEWSPECIES & VARIETIES.

The following species are thought to be new by Dr. Gray, but are not yet named by him:

- Ribes* —
- Ribes* —
- Draba streptocarpa*, var. —
- Erigeron* —
- Pentstemon* —
- Townsendia* —

Two *Potamogetons* which Dr. Robbins' sudden death prevented from being named are still unnamed.

By adding the two new vars., this list will contain all new to science:

- Juniperus communis*, L., var. *humilis*, Eng.
- Hemicarpha subquarrosa*, var. *squarrosa*, Eng.

- Carex alpina*, L.
- atrata*, L., var. *nigra*, Bt. nura, Nutt.
- Bacchi*, Boott.
- Bonplandii*, Kunth.
- bromoides*, Schk.
- cuneata*, L.
- capillaris*, L.
- disticha*, Huds.
- festiva*, Dewey.
- filifolia*, Nutt.
- Hookeriana*, Dewey.
- Jamesii*, Torr., var.
- laevigata*, Mx.
- limba*, Fries.

- (Not of Gray's Manual.)
- nigrissima*, E. Meyer.
 - Pennsylvanica*, Lam.
 - rigida*, Good.
 - Roseli*, Boott.
 - saxatilis*, L. (pulla, Good.)
 - siccata*, Dewey?
 - stenophylla*, Wahl.
 - straminea*, Schk., var. *tenura*, Carey.
 - tenella*, Schk.
 - trichocarpa*, Muhl., v. *inbarbata*, Carey.
 - tricusata*, Boott.

GRASSES.

These grasses, together with those in the body of the list, have all been verified by Dr. Vasey, of Washington. In a private letter to me now before me he says: 'Your list of grasses is a very interesting and full one, including some that I have never seen before from Colorado.' Some of these he thinks may be new species—mostly among the doubtful ones in the list.

- Agrostis vulgaris*, With.
- Aira caespitosa*, L.
- anthostoides*, Trin.
- Alpecurus alpinus*, Smith.
- Andropogon glaucus*.
- Atropis Californica*, Munro.
- Bromus Kalmii*, Gray, var. *occidentalis*.
- Eriopyrum spicatum*, Hook.
- Calamagrostis longifolia*, Torr. sylvatica, DC.
- Dactylis glomerata*, L.
- Ectonia obtusata*, Gray.
- Elymus Virginicus*, L., var.
- Festuca brevifolia*, Brown.
- ovina*, L.
- Thurberi*.

(The remainder of the grasses will be found in the body of the list.)

CORRECTIONS.

- The following vars. were accidentally indicated as new to appear like species:
- Aristida purpurea*, Nutt., var. *Fendleri*.
 - Astragalus scrobilata*, Hornem., var. *Americanus*, Gr.
 - A. piatus*, Gr. var. *filifolius*, Gr.
 - Eriogonum microthecum*, var. *Fendlerianum*, Benth.
 - Juncus alphoides*, E. Meyer, v. *montanus*, Eng.
 - Var. *arctioides*, Hook., belongs under *Eriochloa villosa*.

The call for my lists of 1878 has been so great that I have run short; and so have issued this reprint, which contains all corrections up to date. The genera are in the natural order, the species are not.
May 1, 1881.

MARCUS E. JONES, A. M.,

Salt Lake City, Utah

FLORA OF COLORADO, 1878 and 1879.

COLLECTED BY MARCUS E. JONES, A. M.

- Clematis alpina*, Mill., var. *Ochotona*, Gray.
Douglasii, Hook.
ligusticifolia, Nutt.
Scottii, Porter.
- Anemone cylindrica*, Gray.
dichotoma, L.
multifida, Poir.
patens, L., var. *Nuttalliana*, Gray.
- Thalictrum alpinum*, L.
Fendleri, Engelm.
purpurascens, L.
sparsiflorum, Turez.
- Myosurus minimus*, L.
- Ranunculus aconitifolius*, Gray.
adonis, R. Br., var. *cardiophyllus*, Gray.
var. *leucocarpus*, Trent.
aquatilis, L., var. *stagnatilis*, DC.
var. *trichophyllum*, Gray.
Cymbalaria, Parsh.
Flammula, L., var. *reptans*, Mey.
hyperboreus, Roth, var. *notatus*, Nutt. & Mill. Gray. [Regel.
reptans, L. [Regel.
soleriatus, L.
- Caltha leptosepala*, DC.
Trollius laxus, Salisb.
- Aquilegia hewitiana*, Hook.
caerulea, James.
chrysantha, Gray.
- Delphinium azureum*, Mx., var. *bicolor*, Nutt.
occidentale, Watson.
scopolorum, Gray.
- Aconitum columbianum*, Nutt.
Actea spicata, L., var. *arguta*, Torr.
Berberis repens, Lindl.
Argemone hispida, Gray.
Corydalis aurea, Willd., var. *occidentalis*, Gray.
- Draba alpina*, L.
androsacea, Wahl.
aurea, Vahl.
Caroliniana, Walt., var. *intermedia*, Griseb. [Tha, Gray.
cuneifolia, Nutt.
nemorensis, L., var. ?
stenoloba, Ledeb.
streptocarpa, Gray.
var., new.
- Cardamine cordifolia*, Gray.
Arabis Drummondii, Gray.
hirsuta, Scop.
perfoliata, Lem.
- Stanleya pinnatifida*, Nutt.
Erysimum asperum, DC., var. *Arkansanum*, Gray.
pennsylvanicum, Nutt.
cheiranthoides, L.
- Sisymbrium irio*, Nutt.
incisum, Engelm.
var.
- Emelouskia calycina*, Meyer.
Xanthoxylum obtusum, Nutt.
officinale, R. Br.
palustre, DC.
sinuatum, Nutt.
- Vesicaria Ludoviciana*, DC.
montana, Gray.
- Camelina sativa*, Crantz.
Capsella Bursa-pastoris, Muench.
Thlaspi alpestre, L.
Lepidium intermedium, Gray.
var. ?
montanum, Nutt.
Virginicum, L.
- Physaria dielytracarpa*, Gray.
Polianisia trachysperma, T. & G.
Cleome integrifolia, T. & G.
Helianthemum ———
Viola biflora, L.
Canadensis, L.
canina, L.
caesulata, Ait.
delphinifolia, Nutt.
Nuttallii, Pursh.
pulstris, L.
- Silene acaulis*, L.
antherina, L.
Menziesii, Hook.
Scouleri, Hook.
Lychnis apectata, L.
Drummondii, Watson, var.
- Saponaria Vaccaria*, L.
Cerastium arvense, L. [Regel.
alpinum, L., var. *Behringianum*, Nutt.
nutans, Raf., var. *brachypodum*, Engelm.
- Stellaria borealis*, Bigel.
crassifolia, Ehrh.
crispa, Cham. & Schl. ?
Jamesii, Torr.
longipes, Goldie.
longifolia, Muhl.
umbellata, Turez.
- Arenaria biflora*, var. *obtusata*, Watson.
congesta, Nutt., var. *subcongesta*, Watson.
Fendleri, Gray.
var. *diffusa*, Porter.
lateriflora, L.
verna, L., var. *hirta*, Watson.
- Portulaca oleracea*, L.
Talinum teretifolium, Pursh.
Calandrinia pygmaea, Gray.
Claytonia Caroliniana, Mx.
Chamissonis, Esch.
megarrhiza, Parry.
- Hypericum Scouleri*, Hook.
Sidalcea malvaeflora, Gray.
Malvastrum angustifolium, Gray.
Sphaeralcea coccinea, Spach.
Limon perenne, L.
Geranium Drummondii, Torr.
Richardsii, F. & M.
Oxalis corniculata, L., v. *stricta*, Sav.
Pachystima Myrsinoides, Raf.
Ceanothus Fendleri, Gray.
crinitus, Bigel.
velutinus, Dougl.
- Vitis riparia*, Mx.
Ampelopsis quinquefolia, Mx.
Acer glabrum, Torr.
Nerandus acroides, Moench.
Rhus aromatica, Ait., var. *trilobata*, Gray.
glabra, L.
Toxicodendron, L.
- Thermopsis montana*, Nutt.
Sophora sericea, Pursh.
Lupinus argenteus, Pursh.
var. *argophyllus*, Watson.
caespitosus, Nutt. Fruit.
parviflorus, Nutt.
pusillus, Pursh.
- Trifolium dasyphyllum*, T. & G.
montanum, Torr.
Parryi, Gray.
pratense, L.
repens, L.
- Medicago sativa*, L.
Psoralea argophylla, Pursh.
hypogaea, Nutt.
lanceolata, Pursh.
tetrasiflora, Pursh.
- Amorpha fruticosa*, L.
Dalea Jamesii, T. & G.
Petaloetemon candidus, Mx.
macrostachys, Torr.
violacea, Mx.
- Glycyrrhiza lepidota*, Pursh.
Astragalus aboriginum, Rich.
adurgens, Pall.
alpinus, L.
bicoloratus, Gray.
caespitosus, Gray.
Canadensis, L.
caryocarpus, Ker.
decumbens, Gray.
Drummondii, Dougl.
Sixoensis, Dougl.
hypoglottis, L.
juncens, Gray.
Kentrophyta, Gray.
leuciflorus, Hook.
- Astragalus microlobus*, Gray.
Missouriensis, Nutt.
multiflorus, Gray.
orboides, Horneum., var. *Americanus*, Gray.
Parryi, Gray.
pietus, var. *filifolius*, Gray.
racemosus, Pursh.
Shorthausii, Nutt.
sparsiflorus, Gray.
triflorus, Gray.
- Oxytropis campestris*, DC.
deflexa, DC.
Lamberti, Pursh.
multiceps, Nutt.
splendens, Dougl.
- Viola Americana*, Muhl.
var. *linearis*, Watson.
- Lathyrus ornatus*, Nutt.
palustris, L.
polymorphus, Nutt.
- Prunus Americana*, Marshall.
Chamaea, Mx.
Pennsylvanica, L. f.
Virginiana, L.
- Spiraea discolor*, Pursh.
var. *dumosa*, Watson.
- Neillia opulifolia*, Benth. & Hook.
Torreyi, Watson.
- Rubus deliciosus*, James.
strigosus, Mx.
- Cercocarpus parvifolia*, Nutt.
Dryas octopetala, L.
Falling paradoxica, Endl.
Geum Rossii, Steud., var. *molle*, T. & G.
macrophyllum, Willd.
strictum, Ait.
triflorum, Pursh.
rivale, L.
- Fragaria vesca*, L.
Virginiana, Duchesne. (f. typ.)
- Potentilla Anserina*, L.
arguta, Pursh.
fruticosa, L.
grandiflora, Lindl.
gascilla, Dougl.
Hippiana, Lehm.
var. *palmeriana*, Watson.
humifusa, Nutt.
nives, L.
Norvegica, L.
Pennsylvanica, L., var. *strigosus*, var. [Pursh.
Plattensis, Nutt.
supina, L.
- Sibbaldia procumbens*, L.
Agrimonia Eupatorioides, L.
Rosa blanda, Ait.
Pursh sambucifolia, Ch. & Sch.
Ceanothus rivularis, Nutt.
Douglasii, Lindl.
Amelanchier alnifolia, Nutt.
Saxifraga bronchialis, L.
caespitosus, L.
cornus, L.
chrysantha, Gray.
debilis, Eng.
flagellaris, Willd.
Jamesii, Torr.
ovalis, L.
punctata, L.
rivularis, L.
tricuspidata, Retz.
- Mitella pentandra*, Hook.
Heuchera bracteata, Scribn.
Hallii, Gray.
parvifolia, Nutt.
- Parnassia parviflora*, DC.
Jamesia Americana, T. & G.
- Ribes aureum*, Pursh.
coriaria, Dougl.
laestris, Poir.
leptanthum, Gray.
oxycanthoides, L.
prostratum, L. Her.
Sedum rhodanthum, Gray.
Rhodiola, DC.

PKMS
J65
1878
1881
P2

Solanum stenocaulum, Fench.
Ammanlia bellifolia, L.
Lycium alatum, Pursh.
Hippuris vulgaris, L.
Epipobium alpinum, L.
 angustifolium, L.
 coloratum, Mühl.
 latifolium, L.
 origanifolium, Lam.
 pulstris, L.
Gayophytum racemosum, T. & G.
ramosissimum, T. & G.
Oenothera alabamica, Nutt.
 biennis, L.
 breviflora, T. & G.
 caespitosa, Nutt.
 (Caulescent form.)
 coronopifolia, T. & G.
 pinnatifida, Nutt.
 serrulata, Nutt.
Gaura coccinea, Nutt.
 parviflora, Dougl.
Circaea Paicificae, A. N. S. & Mag.
Mentzelia albicaulis, Dougl.
 multiflora, Gray.
 nuda, T. & G.
Cucurbita perennis, Gray.
Echinocystis lobata, T. & G.
Cereus viscidiflorus, Engelm.
Opuntia Missouriensis, DC.
Mollugo verticillata, L.
Sanicula Morylandica, L.
Carum Gairdneri, B. & H.
Berula angustifolia, Koch.
Centa maculata, L.
 (?) *trachypetala*, Watson.
Desmodium nuda, Torr.
Ligusticum spiffidum, B. & H.
 montanum, Gray.
 sempulorum, Gray.
Archangelica stropurpurea, Hoffm.
 Grmelin, DC.
Cymopterus alpinus, Gray.
 glomeratus, Raf.
 montanum, T. & G.
 (?) *ovoides*, Gray.
Muscium divaricatum, Nutt.
Archomora Fendleri, Gray.
Pseudolanum nudicaule, Nutt.
Horacleum lanatum, Mx.
Analis nudicaulis, L.
Cornus stolonifera, Mx.
Adoxa Muscatellina, L.
Sambucus racemosa, L.
Viburnum paniciforme, Pylae.
Linnaea borealis, Gronov.
Symphoricarpos oreophilus, Gray.
 occidentalis, B. Br.
Lonicera involucrata, Banks.
Galium boreale, L.
 triflorum, Mx.
Valeriana edulis, Nutt.
 sylvatica, Richards.
Liatris punctata, Hook.
 scariosa, Willd.? (Probably dis-
 tinct.)
Eupatorium purpureum, L. [Tinet.]
Rubia eupatorioides, L.
 var. *gracilis*, T. & G.
Briochella Wrightii, Gray.
 grandiflora, Nutt.
Gutierrezia euthamiae, T. & G.
Grindelia squarrosa, Donal.
Chryopsis villosa, Nutt., 3 vars.
Nardosmia sagittata, Hook.
Aplopappus Fremontii, Gray.
 umbellata, T. & G.
 Parryi, Gray.
 pygmaeus, Gray.
 spinulosus, DC.
Bigeleovia Bigelovii, Gray.
 Douglasii, Gray.
 var. *latifolia*, Gray.
 var. *tortifolia*, Gray.
 graveolens, Gray, and var.
 Greenei, Gray.
 Howardii, Gray.
 Parryi, Gray.
 new.
Solidago laevigata, L.
 Missouriensis, Nutt.
 Canadensis, L.
 nemoralis, Ait.
 var. *mollis*, Bartl. (?)
 var. *?* (peculiar form.)
 speciosa, Nutt., var. *angustata*,
 Gray? (Gray.)
 humilis, Pursh.
Virga-aurea, L. (typical form.)
 var. *multiradiata*, T. & G.
 var. *alpina*, Big.

Solidago rigida, L.
 gigantea, Ait.? (Gray.)
Townsendia grandiflora, Nutt.
 sericea, Hook.
 sericea, Nutt.
Aster adonoides, Lindl.
 var. *ciliatifolius*, T. & G.
 var. *Fremontii*, T. & G.
 var. *Parryi*, Eaton.
 canescens, Pursh.
 var. *latifolia*, Gray.
 Coloradoensis, Gray.
 ericoides, Roth.
 ericoides, L., var. *strictus*, Porter.
 Fendleri, Gray.
 glacialis, Nutt.
 glaucus, T. & G.
 levis, L.
 multiflorus, Ait.
 var. *complanatus*, Gray.
 Nova-Angliae, L.
 Nuttallii, T. & G.
 pluricoides, T. & G.
 saluginosus, Rich.
 tenacifolius, HBK.
Erigeron annuus, Pers.
 armeriaefolius, Tarr.
 Bellidiasstrum, Nutt.
 Canadensis, L.
 canus, Gray.
 compositus, Pursh.
 concinnus, T. & G.
 divergens, T. & G.
 flagellaris, Gray.
 glandulosus, Porter.
 macrochaeta, Nutt.
 urticus, Eaton.
 uniflorus, L.
 new species.
Antennaria alpina, Garts.
 Carpathica, B. Br., var. *paleber-*
rica, Hook.
 dioica, Gaertn.
Gnaphalium Sprengelii, H. & A.
 strictum, Gray.
 Pericoma caudata, Gray.
 Melampodium cinereum, DC.
Iva axillaris, Pursh.
 xanthifolia, Gray.
Ambrosia psilostachya, DC.
 trifida, L.
Franseria Hookeriana, Nutt.
 tenuifolia, Gray.
Xanthium strumarium, L.
 var. *echinatum*, Gray.
Rudbeckia hirta, L.
 laciniata, L.
 Verbesina encelioides, Benth. & Hk.
 Zinnia grandiflora, Nutt.
 Lepchys columnaris, T. & G.
 var. *Tagetes*, Gray.
Heliopsis laevis, Pers.
Thaepserum filifolium, Gray.
 gracile, Gray.
Heliopsis multiflora, Nutt.
Helianthus annuus, L.
 Nuttallii, Gray.
 petiolaris, Nutt.
 pumilus, Nutt.
 " ?
 rigidus, Desf.
Bidens chrysanthemoides, Mx.
 frondosa, L.
 bipinnata, L.
Bahia oppositifolia, T. & G.
 Villanovae chrysanthemoides, Gray.
 Chensetia Douglasii, Hook. & Arn.
 Hysenopappus tenuifolius, Pursh.
 Gaillardia aristata, Pursh.
 pinnatifida, Torr.
Helianum autumnale, L.
 Actinella aculea, Nutt.
 grandiflora, T. & G.
 Richardsonii, Nutt.
 scoposa, Nutt.
Dysodia chrysanthemoides, Lag.
 Pectis angustifolia, Torr.
 Lovellia aurea, Torr.
 Achillea Millefolium, L.
 Artemisia biennis, L.
 Canadensis, Mx.
 druncunculoides, Pursh.
 filifolia, Torr.
 frigida, Willd.
 glomerata, Gray.
 Ludoviciana, Nutt., typical form
 and 3 varieties.
 Norvegica, Fries.
 scopulorum, Gray.
 tridentata, Pursh.

Secteria supulcraea, Gray.
 var. *new*
 Anolina, Nutt.
 aurea, L., var. *ovatus*, Gray.
 var. *Balsamita*, T. & G.
 var. *obovatus*, T. & G.
 canus, Hook.
 cernuus, Gray.
 chrysophyllus, Richards.
 filifolia, Nutt., var. *Jamesii*,
 integrissimus, Hook.? [T. & G.]
 Fremontii, T. & G.
 longilobus, Benth.
 lucens, Rich., var. *Hookeri*, Eat.
 var. *foliosus*, Gray.
 rapifolius, Gray.
 triangularis, Hook.
Arnica alpina, Murr., Lecotad.
 cordifolia, Hook.
 latifolia, Bong.
 mollis, Hook.
Cnicus Drummondii, var. *aculeatus*,
 arnocephalus, Gray. [Gray.]
 Parryi, Gray.
 undulatus, Gray.
 var. *ochrocentrus*, Gray.
Crepis scuminata, Nutt.
 ruscinata, T. & G.
Troximon aurantiacum, Hook.
 cuspidatum, Pursh.
 glaucum, Nutt.
 " ?
Taraxacum palustre, DC.
Hieracium triste, Willd.
Lygodesmia juncea, Don.
Loxium Ludoviciana, DC.
 paleifolia, DC.
Nabalus racemosus, Hook.
Sonchus asper, Villars.
 Lobelia spiffidus, L.
 Spectularia perfoliata, A. DC.
Campanula uniflora, L.
 rotundifolia, L.
 Seubacheri, Vill.
Vaccinium caespitosum, Mx.
 Myrtilus, L.
Arctostaphylos Uva-ursi, Spreng.
Pyrola rotundifolia, L.
 secunda, L.
Dodonaeum Meadia, L.
Primula angustifolia, Torr.
 Parryi, Gray.
Androsace septentrionalis, L.
Steironema elatum, Raf.
Apocynum androsaminifolium, L.
 ancinum, L.
 Asclepias filifolia, Gray.
 inaequalis, L.
 Jamesii, Torr.
 ovalifolia, Decua.
 speciosa, Torr.
 tuberosa, L.
 verticillata, L., var. *pumila*, Gray.
Acerates articulata, Engelm.
Gentiana alba, Griseb.
 Amarella, L., var. *acuta*, Hook. f.
 barbellata, Engelm.
 frigidis, Haenke, var. *algida*, Pall.
 humilis, Stev.
 Parryi, Engelm.
Platygonia rotata, Griseb.
 Sweetia perennis, L.
 Fraxea speciosa, Dougl.
Phlox caespitosa, Nutt., var. *condens-*
ata, Gray.
 longifolia, Nutt.
 Collomia aggregata, Porter.
 gracilis, Dougl.
 linearis, Nutt.
 longiflora, Gray.
Gilia congesta, Hook., var. *crebri-*
folia, Gray.
 inaequalis, Dougl.
 pinnatifida, Nutt.
 pungens, Benth.
Polemoniumeruleum, L.
 confertum, Gray.
 var. *mollitum*, Gray.
 foliosissimum, Gray.
 humile, Willd., v. *palebellum*, Gr.
Hydrophyllum occidentale, var. *Fend-*
leri, Gray.
Ellisia Nyrceles, L.
Phacelia circinata, Jacq. f.
 glandulosa, Nutt.
 sericea, Gray.
Heliotropium Curassaviense, L.
Oenostodium molle, Mx.
Lithospermum angustifolium, Mx.
 multiflorum, Torr.

- Bolinospermum forficatum*, Lehm.
Rodowickii, Lehm., var. *occidentale*, Watson.
Eritrichium anum, Schrad., var. *arcticoides*, Herder.
Californicum, DC., var. *subglobulatum*, Gray.
crassispalum, T. & G.
glomeratum, DC.
 var. *virgatum*, Porter.
Jamesii, Torr.
leiocarpum, Watson.
Mertensia alpina, Don.
lancoolata, DC.
Sibirica, Don.
Ipomoea leptophylla, Torr.
Convolvulus sepium, L.
incanus, Vahl.
Evolvulus argenteus, Pursh.
Cuscuta decora, Chesley.
curta, Engelm.
Solanum nigrum, L.
rostratum, Desai.
triflorum, Nutt.
Physalis lobata, Torr.
lancoolata, Mx.
pubescens, L.
Linaria Canadensis, Dumont.
Collinsii parviflora, Dougl.
Scrophularia Californica, Chems.
Pentstemon acuminatus, Dougl.
albidus, Nutt.
caerulea, Nutt.
glabra, Pursh.
 var. *cyananthus*, Gray.
glauca, Grub.
Hallii, Gray.
humilis, Nutt.
secundiflorus, Benth.
 — new.
groenlii, Nutt.
Chionophila Jamesii, Benth.
Mimulus forficatus, Dougl.
Jamesii, T. & G., var. *Frontonii*, Benth.
intens, L.
Gratiola Virginiana, L.
Limosella aquatica, L.
Syrthyria alpina, Gray.
plantaginea, Benth.
Veronica alpina, L.
Americana, Schw.
peregrina, L.
Gerardia tenuifolia, Vahl., var. *macrophylla*, Benth.
Castilleja bicoloris, Gray.
intexa, Gray.
linariaefolia, Benth.
palida, Kunth., and 2 varieties.
scutiflora, Pursh.
Orthocarpus luteus, Nutt.
Pedicularis bracteosa, Benth.
Canadensis, L.
crenata, Benth.
Goreandrica, Bets.
Parryi, Gray.
procea, Gray.
incanosa, Dougl.
scopolorum, Gray.
Aphyllon fasciculatum, Gray.
Verbena Aubletia, L.
bracteosa, Mx.
haetata, L.
Lippia cuneifolia, Steud.
Mentha Canadensis, L.
Lycopus sinuatus, Ell.
Hedeoma Drummondii, Benth.
hispida, Pursh.
Salvia lancoolata, Willd.
Monarda fistulosa, L.
Lophanthus amatus, Benth.
Draconophyllum parviflorum, Nutt.
Scutellaria resinosa, Torr.
Bruncella vulgaris, L.
scachys cordata, Robell.
Plantago eriopoda, Torr.
Patagonica, Jacq., var. *gnaphaloides*, Gray.
 var. *aristata*, Gray.
Mirabilis oxybaphoides, Gray.
Oxybaphus hirsutus, Sweet.
nyctagineus, Sweet.
 var. *Cervantesii*, Gray.
angustifolius, Sweet.
Abronia fragrans, Nutt.
microantha, Torr.
Paronychia Jamesii, T. & G.
pulegiata, Gray.
sessiliflora, Nutt.
Oxyria digyna, Campd.
- Ranunc. Acetosella*, L.
occidentalis, Watson.
crispus, L.
selloifolius, Weism.
venosus, Pursh.
Polygonum Mahlenbergii, Watson.
amphibium, L., var. *aquaticum*, erectum, L., Willd.
lophifolium, Ait., var. *incanum*, Koch.
 sere, HBK.
uviculare, L.
Histaria, L., var. *linearifolium*, Watson.
 var. *oblongifolium*, Meisn.
Pennsylvanicum, L.
Convolvulus, L.
dumetorum, L.
incanatum, Ell.
ramosissimum, Mx.
tenax, Mx.
viriparum, L.
Eriogonum alatum, Torr.
annuum, Nutt.
orymbosum, Benth.
ceratum, Nutt.
flavum, Nutt.
Jamesii, Benth.
 = var.?
microthecum, Nutt., var. *Fendlerianum*, Benth.
 var. *officinum*, T. & G.
paniciformum, Pursh.
umbellatum, Torr.
Amarantus albus, L.
bluifolius, Watson.
retroflexus, L.
Montella tamariacina, Gray.
Alternanthera (?) longicaulis, Torr.
Froelichia Floridae, Moq.
Sarcobatus vermiculatus, Torr.
Suaeda intermedia, Watson.
depressa, var. *erecta*, Watson.
Teloxys osmunda, Torr.
Cyclolepis platyphyllum, Moq.
Cheopodium album, L.
Botrys, L.
Frontonii, Watson.
hybridum, L.
leptophyllum, Nutt.
Bilium capitatum, L.
Monolepis cheopodioides, Moq.
Atriplex argentea, Nutt.
canescens, James.
confertifolia, Watson.
petala, L.
Eriaria lanata, Moq.
Carpispermum hysopifolium, L.
Suaeda petiolaris, Gray; very rare.
Shepherdia Canadensis, Nutt.
Comandra palida, DC.
Urtica gracilis, Ait.
Parietaria Pennsylvanica, Muhl.
Humulus Lupulus, L.
Ephedra distyloperma, F. & M.
Fendleri, T. & G.
glyptosperma, Engelm.
dentata, Mx.
marginata, Pursh.
montana, Engelm.
petaloides, Engelm.
revoluta, Engelm.
serotifolia, Pers.
stictosperma, Engelm.
Tragia styriaca, Torr.
Croton Texensis, Muhl.
Argythamnia humilis, Muhl.
Callitriche verna, L.
Batis glaucoles, Mx.
occidentalis, Hook.
Alnus incana, Willd., var. *virescens*, Watson.
Salix arctica, Pall., var. *petraea*, And.
chlorophylla, And.
cordata, Muhl.
decestrorum, And.
longifolia, Muhl., var. *argyrophylla*, And.
irivata, And.
nigra, Marshall, var. *amygdaloides*, And.
Novae-Angliae, var. *pseudo-cordata*, L. [sta, And.]
restrata, Richards.
Populus balsamifera, L., var. *canadensis*, Gray.
angustifolia, James.
tremuloides, Mx.
Quercus undulata, var. *Gunnisonii*, [Torr.]
Corylus rostrata, Ait. [Torr.]
- Arceuthobium robustum*, Engelm.
Juniperus occidentalis, Hook.
communis, L., var. *humilis*, Eng.
Virginiana, L.
Abies concolor, Lindl.
 subspina, Engelm.
Pseudotsuga Douglasii, Carr.
Picea canadensis, Engelm.
Engelmannii, Parry.
Pinus aristata, Engelm.
contorta, Engelm.
Sexilis, James.
ponderosa, Dougl.
edulis, Engelm.
Habenaria hyperborea, Gray.
altavata, Lindl.
dilatata, Gray.
Spiranthes Romanoffiana, Chems.
Listera cordata, R. Br.
Iris Missouriensis, Nutt.
Styrinchium mucronatum, Mx.
Allium cernuum, Roth.
reticulatum, Fras.
Nuttallii, Watson.
Lencocorinum montanum, Nutt.
Smilacina amplexicaulis, Nutt.
stellata, Desf.
Yucca angustifolia, Pursh. (Fls. and fruit, no leaves.)
Lilium Philadelphicum, L.
Lloydia straminea, Reich.
Calochortus Gunnisonii, Watson.
Streptopus amplexifolius, DC.
Zygadenus elegans, Pursh.
Nuttallii, Gray.
Suaeda herbacea, L., var. *inodora*, Jones.
Spirargium encarpum, Engelm.
Leuca minor, L.
Zinnichellia palustris, L.
Potamogeton satens, L.
pectinatus, L.
rufescens, Schrad.
pasciflorus, Pursh.
Triglochin palustre, L.
Alixia Plantago, L., var. *Americana*, Gray.
Sagittaria variabilis, Engelm.
Luzula spodiocloa, DC., var. *parviflora*, Ledeb.
 var. *congesta*, Engelm. (ms.)
spicalis, Desv.
Junca alpina, Vill.
Balticus, Benth., var. *montanus*, biflorus, L. [Engelm.]
Drummondii, E. Meyer.
longistylis, Torr.
Mertensiana, Meyer.
nodosa, L., var. (near to typical form.)
 var. *megacarpus*, Torr.
tensis, Willd.
 var. *congestus*, Engelm.
trigumis, L.
xiphoides, E. Meyer, var. *montanus*, Engelm.
Tradescantia Virginica, L.
Cyperus inflexus, Muhl.
Schweinitzii, Torr.
Stellaria, Vahl.
Scirpus pasciflorus, Lightf.
pungens, Vahl.
lacustris, L., var. *occidentalis*, Watson.
strovirens, Muhl.
Eriophorum polystachyon, L.
Hemicarphus subquarrosus, Nees, var. *quarrosus*, Engelm.
Elyochloa setularis, R. Br.
palustris, R. Br.
Elyna spicata, Schk.
Carex alpina, L.
aquatilis, Wahl.
strata, L., var. *nigra*, Boott.
surva, Nutt.
Backii, Boott.
Bonplandii, Kunth, var. *angustifolia*, Boott.
bracteata, Schk.
canadensis, L.
capillaris, L.
disticha, Huds.
festiva, Dewey.
stifolia, Nutt.
lanuginosa, Mx.
limula, Fries. (Not of Gray's *nigricans*, E. Meyer. [Manual].
Pennsylvanica, Lam.
rigida, Good.
Rosellii, Boott.

Carex saxatilis, L. (pulla, Good.)
sinuata, Dewey.
stenophylla, Wahl.
straminea, Schk.
 var. *tenax*, Carey.
 var. *minor*, Dewey.
topalis, Schk.
trichocarpa, Muhl., var. *imber-*
stricollata, Boott. [is, Carey.
Pyrenosia, Wahl.
Halli, Olney.
affinis, R. Br.
marcescens, Boott.
Hookii, Boott.
stellulata, L., var. *retropoides*,
 Liddon, Boott. [Carey.
vespertina, Schk.
Jamesii, Torr.
 var. (Not C. Nebraskaensis.)
verticillata, Boott.
stricta, Lam.
Sava, L., var. *Gederi*, W. Boott.
Penium
capillare, L.
Crus-galli, L.
diebotomum, L.
paniciforme, Ehr.
Syratum, L.
Setaria
halimifolia, Kunth.
viridis, Beauv.
sandata, R. & S.
Cenchrus
tribuloides, L.
Leersia
corymbosa, Swartz.
Alopecurus
aristulatus, Mx.
alpinus, Fuhl.
Phleum
alpinum, L.
pratense, L.
Brechmannia
cruciformis, Host.
Hierochloa
horrealis, R. & S.
Phalaris
arundinacea, L.
Canariensis, L.
Vilfa
conspicata, Torr.
longifolia,
tricholepis, Torr.
Sporobolus
viridis, Torr.
cryptandrus, Gray.
ramulosus, Kunth.
asperifolius, Thurb.
Agrostis
scabra, Willd.
varians, Trin.
virgata, Willd.
Muhlenbergia
gracilis, Gray.
 var. *Fendleri*, Vasey.
gracillima, Torr.
gibberna, Trin. ? — 1986, C.
 Wright; collected in New Mexico
 by Wright and ticketed as above
 but I think must be a new species.
oryzatica, T. & G. [Vasey.
Texana, Thurb.
Vaseya
comata, Thurb.
Calamagrostis
Canadensis, Beauv.
stricta, Trin.
longifolia, Torr.
syriatica, DC.
Oryzopsis
asperifolia, Mx.
micrantha, Thurb.
Eriosema
conspicata, Nutt.
Stipa
comata, Trin. & Rup.
spartea, Trin.
viridula, Trin.
 " var.
penata, L.v. Americana, Vasey.
Aristida
purpurea, Nutt., var. *Fend-*
leriana, Vasey.
 var. *longica*, Vasey.
Spartina
cynosoides, Willd.

Bouteloua
curtipendula, Gray.
oligostachya, Torr.
Baccharis
dactyloides, Engelm.
Munroa
acutirostris, Torr.
Leptochloa
fascicularis, Gray.
Pleuraphis
Jamesii, Torr.
Danthonia
sericea, Nutt.
Avena
strata, Mx.
Tripsacum
alpestre, Beauv.
apiculatum,
 subspicatum, Beauv.
 var. *molle*, Gray.
Aira
caespitosa, L., var. *arctica*, Vasey.
 var. *montana*, Vasey.
Tricuspis
acuminata, Munro.
monostroma,
 trinervigulata,
Dactylis
glomerata, L.
Koeleria
cristata, Pers.
Ectonia
obtusata, Gray.
Melica
bulbosus, Gevay.
Glyceria
aquatica, Beauv.
nerveata, Trin.
Catabrosa
aquatica, Beauv.
Distichlis
maritima, Raf.
 var. *stricta*, Thurb.
Atropis
Californica, Munro.
distans, Griseb. (Glyceria air-
 oides, Thurb.; G. maritima,
 Reichenb.)
Poa
trivialis, L.
abbreviata, R. Br.
tennifolia, Thurb.
 " ?
alpina, L.
 " ?
arctica, R. Br. ?
caesia, Smith.
 " ?
 " var. *strictior*, Gray.
flexuosa, Muhl., var. ?
 " var. *occidentalis*, Gray.
laxa, Henke.
pratensis, L.
 " ?
 " var.
serotina, Ehrh.
Eragrostis
poaeoides, Beauv., var.
megastachya, Gray.
Panicum, Bernh.
Festuca
tendla, Willd.
ovata, L.
 var. *dirinsecula*, Gray.
 var. *brevifolia*, Watson.
 Thurbert, Vasey.
Bromus
secalinus, L.
Kalmii, Gray, var. *occidentalis*,
 Elliott, var. *purgans*, L.
Cerastochloa
brevicristata, Hook.
Lepturus
paniculatus, Nutt.
Triticum
caninum, L.
 — between *caninum* and *repens*.
repens, L.
 " Double spikelets.
 var. *scutum*, Vasey.
 var. *compactum*, Vasey.
violaceum, Hornem.
strigosum, Less.
Hordeum
nodosum, L.
pratense, Hudson.
Elymus
scenarius, L.
Canadensis, L.
Sitanion, Schult.
condensatus, Presl., var. *tritic-*
oides, Thurb.
Virginicus, L., var., new.

Elymus
Sibiricus, L.
Andropogon
placens,
scoparius, Mx.
Sorghum
avenacum, Chapm. ?
Equisetum
arvense, L.
pratense, Ehrh.
laciniatum, Beauv.
Polypodium
virgure, L. (A very re-
 duced form, alt. 8,500 feet.)
Pteris
aquilina, L.
Chelanthus
Fendleri, Hook.
lanuginosus, Nutt.
Ratoni, Hook.
Notholaena
Fendleri, Kanze.
Pollen
atropurpureus, Link.
Cryptogramma
aerostichoides, R. Br.
Aspidium
Filix-mas, Swartz.
Asplenium
Trichomanes, L.
septentrionale, L.
Cystopteris
fragilis, Bernh.
Woodia
Oregana, Eaton.
scopolina, Eaton.
Selaginella
rupestris, Spring.
Chara, two species not named.
Dicranum
virens, Hedw.
Didymopogon
rufellus, R. Br.
Hedysigis
eliana, Ehrh.
Encalypta
vulgaris, L.
Funaria
hygrometrica, Hedw.
Byrum
pendulum, Schimp.
intermedium, W. & M.
kinum, Schreb.
pyriforme, L.
Timmia
suboppositata, Hedw.
Pogonatum
alpinum, Brid., var. *can-*
panalatum.
Aulacomnium
palustre, Schwagr.
Hypnum
acuminatum, Hedw.
rugosum, Ehrh.
abietinum, L.
Marchantia
polymorpha, L.
Evernia
vaipina, Wulf.
Placidium
elegantis, (Link) Nyl.
Peltigera
spherosa, Hoffm.
Umas
barbata, Fries.
Clydonia
turgida, Hoffm.
imbricata.

FUNGI.

Puccinia
Physalidis, Peck n. sp.
Uromyces
excavatus, DC.
Erilabus, Peck.
Lupini, B. & C.
Trichobasium
Leguminosarum, Link.
gaurianii, Peck n. sp.
Sorsogonium
Astragali, Peck n. sp.
atrum, Peck n. sp.
Coleosporium
miniatum, Bon.
Seldium
Euphorbiae, Pers.
hemisphaericum, Peck.
gauriana, Peck n. sp.
Puccinia, Peck.
Microsphaeria
holosericea, Lev.
Sphaerella
magnatoma, Peck n. sp.
Erysiphe
communis?
Melanconera
Hartigii, Thum.
Ustilago
ureolarum, Tul.

KANSAS PLANTS.

Viola pubescens, Ait., var. *ericarpa*,
 Nutt. (Fruit.)
Asculus arguta, Buckl.
Astragalus mollissimus, Torr.