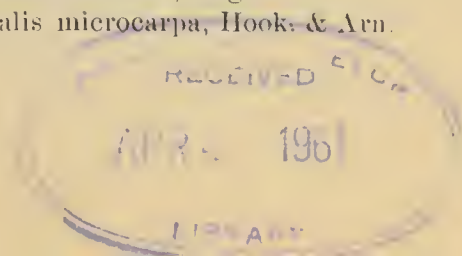


PRINGLE'S DISTRIBUTION OF 1884.

FLORA OF ARIZONA AND SONORA.

- Anemone deeapetala, L.
Delphinium scaposum, Greene.
Myosurus cupulatus, Watson.
Berberis Fremonti, Torr.
Platystemon Californicus, Benth.
Arabis longirostris, Watson.
Draba cuneifolia, Nutt., var. brevipes,
 Watson.
 platycarpa, T. & G.
Lyroearpa Coulteri, Hook. & Arn.
Thelypodium micranthum, Watson.
Vesicaria purpurea, Gray.
Krameria canescens, Gray.
 lanceolata, Torr.
Polygala alba, Nutt.
 Lindheimeri, Gray, var.?
 macradenia, Gray.
 puberula, Gray.
 scoparia, HBK.
Arenaria saxosa, Gray.
Achyronyehia Cooperi, T. & G.
Portulaca lanceolata, Engelm.
Abutilon crispum, Gray.
 Lemmoni, Watson.
 Newberryi, Watson.
 Texense, T. & G.
Hibiscus denudatus, Benth., var. invol-
 ucellatus, Gray.
 Coulteri, Gray.
Malvastrum exile, Gray.
 tricuspidatum, Gray.
Sida alata, Watson **n. sp.**
 tragiaefolia, Gray.
Hermannia pauciflora, Watson.
Ayenia microphylla, Gray.
 pusilla, L.
Corchorus pilolobus, Link.
Linum aristatum, Engelm.
Atamisquea emarginata, Miers.
Erodium Texanum, Gray.
Astrophyllum dumosum, Torr.
Thamnosma Texanum, Torr.
Bursera Hindsiana, var. rhombifolia,
 Engler.
Phaulothamnus spinescens, Gray **n. gen.**
Stegnosperma halimifolium, Benth., var.
Acer grandidentatum, Nutt.
Rhus virens, Lindl.
Acacia — **n. sp.**
 Farnesiana, Willd.
 malacophylla, Benth., var. micro-
 phylla, Watson.
Astragalus Bigelovii, Gray.
 triflorus, Gray.
Calliandra humilis, Benth.
Craeca Edwardsii, var. sericea, Gray.
Dalea formosa, Torr.
 laevigata, Gray.
 lanata, Spreng.
 megacarpa, Watson **n. sp.**
 mollis, Benth.
 nana, Torr.
 Parryi, T. & G.
 pogonathera, Gray.
 Wrightii, Gray.
Galactia Wrightii, Gray.
Hoffmannseggia microphylla, Torr.
Hosackia strigosa, Nutt.
Indigofera sphaerocarpa, Gray.
Lathyrus paluster, L., var. parvifolius,
 Watson.
Lupinus argenteus, Pursh, var.
Mimosa — ?
Petalostemon candidus, Michx., var. oc-
 cidentalis, Gray.
Phaseolus retusus, Benth.
 rotundifolius, Gray.
Pithecolobium (near P. parvifolium.)
Rhynchosia Texana, T. & G.
Tephrosia leucantha, HBK.
 tenella, Gray.
Cowania Mexicana, Don.
Potentilla Thurberi, Gray.
Jamesia Americana, T. & G.
Whipplea Utahensis, Watson.
Oenothera brachycarpa, Gray.
 chamænerioides, Gray.
 tubicula, Gray.
 trichocalyx, Nutt.
Passiflora Mexicana, Juss.
Megarrhiza Californica, Torr.
Cereus pectinatus, Engelm.
 Pringlei, Watson **n. sp.**
 Schottii, Engelm.
 Thurberi, Engelm.
Echinocactus Emoryi, Engelm.
Mamillaria (very near M. Echinus, Eng.)
 Grahami, Engelm.
Opuntia tessellata, Engelm.
Caucalis microcarpa, Hook. & Arn.



- Ligusticum filicinum*, Watson.
 montanum, Gray.
Lonicera ciliosa, Poir.
Symphoricarpos oreophilus, Gray.
Galium —?
 microphyllum, Gray.
Houstonia Wrightii, Gray.
Actinella odorata, Gray.
Aster ericæfolius, Rothrock.
 Lemmoni, Gray **n. sp.**
 tanacetifolius, HBK.
Baccharis brachyphylla, Gray.
Baeria gracilis, Gray.
Baileya pauciradiata, Harv. & Gray.
Berlandiera lyrata, Benth.
Bigelovia Hartwegi, var. *tenuisecta*,
 Gray **n. var.**
 Wrightii, var. *hirtella*, Gray.
Calycoseris Wrightii, Gray.
Chænactis stevioides, Hook. & Arn.
Cnicus undulatus, var. *megacephalus*, Gr.
Dysodia porophylloides, Gray.
Encelia frutescens, Gray.
Eremiastrum bellioides, Gray.
Filago Arizonica, Gray.
Franseria cordifolia, Gray **n. sp.**
 deltoidea, Torr.
 dumosa, Gray.
Gaillardia Arizonica, Gray **n. sp.**
 pinnatifida, Torr.
Hieracium Pringlei, Gray **n. sp.**
Hymenatherum acerosum, Gray.
 concinnum, Gray **n. sp.**
 pentachætum, DC.
Hymenothrix Wislizeni, Gray.
Lygodesmia exigua, Gray.
Malacothrix Fendleri, Gray.
Melampodium cinereum, DC.
Parthenium ineanum, HBK.
Pinaropappus roseus, Lag.
Pectis filipes, Gray.
 prostrata, Cav.
 punctata, L.
Psilocarphus tenellus, Nutt.
Rafinesquia Californica, Nutt.
 Neo-Mexicana, Gray.
Schkuhria Wrightii, Gray.
Senecio Douglasii, DC.
 Neo-Mexicanus, Gray.
Stephanomeria exigua, Nutt.
 runcinata, Nutt.
Thelesperma longipes, Gray.
Troximon heterophyllum, Greene.
Verbesina Wrightii, Gray.
Viguiera helianthoides, HBK.
Xanthocephalum gymnospermoides,
 Benth. & Hook.
- Zinnia grandiflora*, Nutt.
Arctostaphylos tomentosa, Dougl.
Androsace Arizonica, Gray **n. sp.**
Primula Rusbyi, Greene.
Forestiera phillyreioides, Torr.
Menodora seabra, Gray.
Acerates auriculata, Engelm.
Asclepias brachystephana, Engelm.
 Lemmoni, Gray.
 monactis, Torr.
 nummularia, Torr.
Gonolobus parvifolius, Torr.
Himanostemma Pringlei, Gray **n. gen.**
Lachnostoma Arizonicum, Gray.
Metastelma Arizonicum, Gray **n. sp.**
Rothrockia cordifolia, Gray **n. gen.**
Buddleia Pringlei, Gray **n. sp.**
Frasera speciosa, Dougl.
Gilia Bigelovii, Gray.
 polycladon, Torr.
 Thurberi, Gray.
Læselia glandulosa, Don.
Phlox longifolia, Nutt., var. *Stansburyi*,
 Gray.
Ellisia Torreyi, Gray **n. sp.**
Nemophila aurita, Lindl.
Phacelia Arizonica, Gray.
 crenulata, Torr.
 infundibuliformis, Torr.
 invenusta, Gray **n. sp.**
 micrantha, Torr.
Coldenia canescens, DC.
Cordia Greggii, Torr.
Echidnoearya Arizonica, Gray.
Echinopspermum Redowskii, Lehm., var.
 cupulatum, Gray.
Eritrichium angustifolium, Torr.
 canescens, var. *Arizonicum*, Gray.
 crassisepalum, T. & G.
 hispidum, Buckley.
 pterocaryum, Torr.
Heliotropium phyllostachyum, Torr.
Lithospermum angustifolium, Michx.
 Cobrense, Greene.
Convolvulus ineanus, Vahl.
Cuscuta —?
 —?
 —?
Evolvulus Arizonicus, Gray.
Ipomœa costellata, Torr.
 leptotoma, Torr.
 triloba, L.
Chamæsaracha Coronopus, Gray.
 sordida, Gray.
Lycium gracilipes, Gray.
 macrodon, Gray.
 Pringlei, Gray **n. sp.**

- Nicotiana Clevelandi*, Gray.
Physalis angulata, L., var. *Linkiana*, Gray.
Solanum Hindsianum, Benth.
Antirrhinum Kingii, Watson.
 maurandioides, Gray.
Castilleja integra, Gray.
 lanata, Gray.
 purpurea, Don.
Orthocarpus purpurascens, Benth., var.
 Palmeri, Gray.
Pentstemon stenophyllus, Gray.
Aphyllon multiflorum, Gray.
Carlowrightia Arizonica, Gray.
Pringleophytum lanceolatum, Gray **n. gen.**
Siphonoglossa longiflora, Gray.
Lippia lycioides, Steud.
 Wrightii, Gray.
Verbena polystachya, HBK.
 xutha, Lehm.
Cedronella breviflora, Gray **n. sp.**
Hedeoma dentata, Torr.
 Drummondii, Benth., var.
 thymoides, Gray.
Monarda citriodora, Cav.
Salvia Henryi, Gray.
Scutellaria Wrightii, Gray.
Tetradlea Coulteri, Gray.
Plantago Virginica, L., var. *longifolia*,
 Gray.
Boerhaavia scandens, L.
Frœlichia interrupta, Moq.
Gomphrena Sonoræ, Torr.
Atriplex elegans, Dietr.
 lentiformis, Watson.
Monolepis chenopodioides, Moq.
Chorizanthe brevicornu, Torr.
 rigida, T. & G.
Eriogonum Abertianum, Torr.
 alatum, Torr.
 deflexum, Torr., var.
Aristolochia brevipes, Benth., var. *acum-*
 inata, Watson.
Phoradendron Californicum, Nutt.
 juniperinum, Engelm.
Acalpyha Californica, Benth.
 Pringlei, Watson **n. sp.**
Argythamnia adenophora, Gray ined.
 sericophylla, Gray.
 serrata, Mull. var.
Bernardia myricæfolia, Watson.
Croton corymbulosus, Engelm.
 Pringlei, Watson **n. sp.**
 tenuis, Watson.
Euphorbia dentata, Michx.
 eriantha, Benth.
 pediculifera, Engelm.
- dictyosperma*, Fisch. & Meyer.
 " var.
 polycarpa, Benth.
 revoluta, Engelm.
 setiloba, Engelm.
 subpubens, Engelm., var.
Jatropha angustidens, Mull. Arg.
 canescens, Mull., var.
 spathulata, Mull., var.
Sebastina bilocularis, Watson **n. sp.**
Salix —
Agave — n. sp.?
Zephyranthes longifolia, Hemsley.
Allium reticulatum, Fraser, var.
Anthericum Torreyi, Baker.
Calochortus aureus, Watson, var.
 Palmeri, Watson.
Hesperocallis undulata, Gray.
Lilium Parryi, Watson.
Cyperus —?
Scirpus carinatus, Gray.
Andropogon hirtiflorus, Kunth., subvar.
 oligostachyus.
Aristida bromoides, HBK.?
 purpurea, Nutt.
 Schiediana, Trin.
Bouteloua polystachya, Torr.
 trifida, Thurb.
Bromus breviaristatus, Thurb.
Cathistechum erectum, Vasey & Hackel.
Hilaria mutica, Benth.
Manisuris granularis, Swartz.
Melica Porteri, Scribner.
Muhlenbergia distichophylla, Kunth.
 depauperata, Scribner **n. sp.**
 gracillima, Torr., var. (?) *arenicola*.
 monticola, Buckl.
 Texana, Thurb.
Panicum autumnale, Bosc, var. *pubes-*
 cens, Scribner.
 bulbosum, HBK., var. *minor*, Vasey.
Scleropogon Karwinskyanus, Benth.
Pappophorum boreale, Led.
Sporobolus ramulosus, Kunth.
Stipa pennata, L., var. *Nco-Mexicana*,
 Thurb.
 fimbriata, HBK.
Trachypogon Montufari, Nees.
Trisetum Tolluicense, Kunth.
Asplenium monanthum, L.
Cheilanthes myriophylla, Desv.
 Pringlei, Davenport **n. sp.**
Gymnogramme hispida, Mett.
Notholæna Aschenborniana, Koltsch.
 ferruginea, Hook.
Pellæa cordata, J. Smith.

