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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

Scientific Specimens. from
* MARCUS E. JONES,
Salt Lake City, Utah

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, Engelm.; 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. Engelm. and five by Dr. Gray and Sereno 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.

NEW SPECIES & VARIETIES.

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

- Bigelovia —
- Bigelovia —
- 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. aurea, Nutt.
- Backii, Boott.
- Bonplandii, Kunth.
- bromoides, Schk.
- canescens, L.
- capillaris, L.
- disticha, Huds.
- festiva, Dewey.
- filifolia, Nutt.
- Hookeriana, Dewey.
- Jamesii, Torr., var.
- lanuginosa, Mx.
- limula, Fries.
- (Not of Gray's Manual.)
- nigricans, E. Meyer.
- pennsylvanica, Lam.
- rigida, Good.
- Rossii, Boott.
- saxatilis, L. (pulla, Good.)
- siccata, Dewey?
- stenophylla, Wahl.
- straminea, Schk., var. tenera, Carey.
- tenella, Schk.
- trichocarpa, Muhl., v. imberbis, Carey.
- utriculata, 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.
 - lanthionoides, Trin.
 - Alopecurus alpinus, Smith.
 - Andropogon glaucus.
 - Atropis Californica, Monro?
 - Bromus Kalmii, Gray, var. occidentalis.
 - Brizopyrum spicatum, Hook.
 - Calamagrostis longifolia, Torr. sylvatica, DC.
 - Daetylis glomerata, L.
 - Eriogonum 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 indented so as to appear like species:

- Aristida purpurea, Nutt., var. Purpurea.
- Astragalus oroboides, Hornem., var. Americanus, Gr.
- A. pictus, Gr. var. filifolius, Gr.
- Eriogonum microthecum, var. Fendlerianum, Benth.
- Juncus xiphioides, E. Mey., v. montanus, Eng.
- Var. aretioides, Hook., belongs under *Heisterium villosum*.

Botanical Publications of Marcus E. Jones.

- Excursion Botanique, out of print.
Ferns of the West, 30 pp. \$.50.
Contributions to Western Botany No. 1, Zoe II 12-17.
Contributions to Western Botany No. 2, Zoe II 336-252.
\$.25. Contributions to Western Botany No. 3, Zoe III 283-309.
\$.25. Contributions to Western Botany No. 4, Zoe IV 22-54. \$.50.
Contributions to Western Botany No. 5, Zoe IV 254-282.
\$.50. Contributions to Western Botany No. 6, Zoe IV 366-369.
\$.25. Systematic Botany, Zoe IV 374-379.
Contributions to Western Botany No. 7, Proc. Cal. Acad. Ser.
2 Vol. V 611-734. \$1.50.
Contributions to Western Botany No. 8 pp. 43. \$.50.
Contributions to Western Botany No. 9, Zoe V 41-57. \$.25.
Contributions to Western Botany No. 10 pp. 90 and 17 plates.
Rev. Allium and Nyctaginaceae. \$1.50.
Contributions to Western Botany No. 11 pp. 22. \$.25.
Contributions to Western Botany No. 12 pp 100. \$1.00.
Willow Family of the Great Plateau. \$.50.
Contributions to Western Botany No. 13 pp. 87. \$1.00
Montana Notes. \$1.00
Previous articles published as notes in Botanical Gazette and
Bulletin of the Torrey Club are not included here as
they are out of print.

**FLORA OF OREGON
FLORA OF WASHINGTON
FLORA OF IDAHO**

Wallowa Lake, July 1, 1930
Burns, July 4, 1930
Alvord Ranch, July 5, 1930
Battle Mountain, July 6, 1930
Prairie City, July 4, 1930
Princeton, July 5, 1930
Denio, July 5, 1930
Imlay, July 6, 1930
Cannon City, John Day river, July 4, 1930
Baker City, June 27, 1930
Blickleton, June 29, 1930
La Grande, June 22, 1930
La Grande, July 3, 1930
Hereford, July 3, 1930
Lake Tahoe, July 10, 1930
Auburn, July 11, 1930
Wadsworth, July 7, 1930
Oatman, June 14, 1930
Divide, north of Kanab, June 17, 1930
Owyhee, June 23, 1930
Wells, June 22, 1930
Meacham, June 25, 1930
Mann's Creek, June 24, 1930
West of Wendover, June 20, 1930
Bruneau, June 23, 1930
Huntington, June 25, 1930
Hidden Lake, near Glendale, June 8, 1930
West of Grantsville, June 19, 1930
East of Williams, June 15, 1930
Seligman, June 15, 1930
House Rock, June 17, 1930
Orderville, June 17, 1930
Kanab, June 17, 1930
Head of Sevier river, June 18, 1930
Williams, June 15, 1930
Umatilla, June 28, 1930
Stanfield, June 30, 1930
Tuscarora, June 22, 1930
Elko, June 22, 1930
Old Dad Mountains, June 13, 1930
Peach Springs, June 15, 1930
Hackberry, June 14, 1930

1881
TO BOTANISTS.

The following list of species represents my work in California during the time included between June 20th and August 4th. Nearly the whole collection was made at Santa Cruz, on the coast, and at Soda Springs, three miles below Summit, in the Sierras, on the Central Pacific Railroad. Some very interesting plants were collected on the road in Nevada, especially at Wells. The whole collection contains over 900 species.

I am greatly indebted to the Superintendent, General Passenger Agent, and Mr. B. B. Redding, of the Central Pacific Railroad, for facilities given me over their road, which made so large a collection possible in so short a time. The interest taken by these men in everything pertaining to the welfare of their State is well known, and would require no mention here were it not for their personal interest in my work. At least a dozen new species were discovered, and quite a number of others were added to the already well known flora of the State.

I have been able to use both volumes of the "Flora of California" this year, and so have made some changes in synonyms, and also have corrected some common errors.

The sets contain 507 species. Plants starred are not in the sets.

It is my intention to spend the entire coming season in completing the exploration of the coast, and hope to add a much larger number of species to the collection. Seeds, roots and living plants will be collected by request, as well as herbarium specimens. ~~See~~ All communications should be addressed to—

MARCUS E. JONES, A. M.,
Salt Lake City, Utah, U. S. A.

Flora of California.—First Fascicle.

COLLECTED BY MARCUS E. JONES, A. M.

- | | | | | | |
|-------|--|-------|--|-------|--|
| 2335 | <i>Clematis ligusticifolia</i> , Nutt. | 2420 | <i>Arenaria capillaris</i> , Poir. | 2332 | <i>truncatus</i> , Nutt. |
| | var. <i>Californica</i> , Watson. | 2643* | Douglasii, T. & G. | 2664* | <i>hirsutissimus</i> , Benth. |
| 2485 | <i>Thalictrum polycarpum</i> , Watson. | 2627* | <i>Sagina Linnaei</i> , Presl. | 2669 | <i>Trifolium n. sp. (?)</i> |
| 2581 | <i>Ranunculus Flammula</i> , L. | 2641 | <i>Lepigonum macrothecum</i> , F. & M. | 2592 | multicaule, n. sp. |
| 2591 | Californicus, Benth. | 2642* | var. | 2519 | longipes, Nutt. |
| 2614* | <i>Aquilegia truncata</i> , F. & M. | 2369 | medium, Fries. | 2445 | Kingii, Watson. |
| 2631* | <i>Delphinium simplex</i> , Dougl. | 2347 | <i>Pentstemon ramosissimus</i> , H. & A. | 2673* | <i>Macraei</i> Hooker & Arnot. |
| 2410 | decorum, F. & M. var. | 2645* | <i>Portulaca oleracea</i> , L. | 2329 | erilatum, Nutt. |
| | Nevadense, Watson. | 2368 | <i>Calandrinia Menziesii</i> , Hook. | 2674* | var. |
| 2353 | <i>Californicum</i> , T. & G. | 2630* | <i>Claytonia perfoliata</i> , Don. | 2675* | gracilentum, Torr. & Gray. |
| 2571 | glaucum, Watson. | 2628* | <i>Chamissonis</i> , Esch. | 2676 | involutum, Willd. |
| 2543 | <i>Aconitum Columbianum</i> , Nutt. | 2629* | triphyllo, Watson. | 2684 | tridentatum, Lindley. |
| 2632* | <i>Actaea spicata</i> , L., var. | 2402 | <i>Spraguea umbellata</i> , Torrey. | 2263 | var. obtusiflorum, Watson. |
| | arguta, Torrey. | 2460 | var. montana, Jones, <i>New</i> . | 2672* | var. melananthum, Watson. |
| 2615* | <i>Paeonia Brownii</i> , Dougl. | 2648* | <i>Hypericum Scouleri</i> , Hooker. | 2262 | pauciflorum, Nutt. |
| 2616* | <i>Berberis repens</i> , Lindley. | 2647 | anagalloides, Cham. & Schl. | 2595 | microcephalum, Pursh. |
| 2617* | <i>Nuphar polycarpum</i> , Eng. | 2649* | <i>Malva borealis</i> , Wallman. | 2230 | var. |
| 2315 | <i>Platystemon Californicus</i> , Benth. | 2433 | <i>Sidalcea malvaeflora</i> , Gray. | 2330 | microdon, Hooker & Arnot. |
| 2226 | <i>Eschscholtzia Californica</i> , Cham. | 2556 | humilis, Gray. | 2497 | cyathiferum, Lindley. |
| 2622* | <i>Alyssum maritimum</i> , L. | 2702* | <i>Linum perenne</i> , L. | 2671* | barbigerum, Torrey. |
| 2568 | <i>Draba stenoloba</i> , Ledeb., var. | 2854* | spergulinum, Gray. | 2670* | ficatum, Lindley. |
| 2635* | <i>Dentaria tenella</i> , Pursh. | 2650* | <i>Geranium Carolinianum</i> , L. | 2677* | <i>Melilotus parviflora</i> , Desf. |
| 2636* | <i>Cardamine oligosperma</i> , Nutt. | 2651* | <i>Erodium cicutarium</i> , L' Her. | 2678* | alba, Lam. |
| 2564 | <i>Arabis Lyallii</i> , Watson. | 2274 | <i>Oxalis Oregona</i> , Nutt. | 2679* | <i>Medicago sativa</i> , L. |
| 2619* | Holckelii, Hornem. | 2652* | comiculata, L. | 2680* | identicalia, Willd. |
| 2505 | <i>Streptanthus tomentosus</i> , Kellogg. | 2653* | <i>Eucnemos occidentalis</i> , Nutt. | 2681* | <i>Hosackia crassifolia</i> , Benth. |
| 2618* | <i>Cheiranthus Menziesii</i> , B. & H. | 2258 | <i>Rhamnus Californica</i> , Esch. | 2682* | oblongifolia, Benth. |
| 2640* | <i>Caulanthus pilosus</i> , Watson. | 2654* | var. tomentella, Watson. | 2501 | Torreyi, Gray. |
| 2620* | <i>Erysimum asperum</i> , DC. | 2554 | Parshiana, DC. | 2683 | var. Nevadensis, Gray. |
| 2633* | <i>Brassica nigra</i> , Boissier. | 2656* | <i>Ceanothus thyrsiflorus</i> , Esch. | 2234 | rigida, Benth. |
| 2621* | <i>Barbarea vulgaris</i> , R. Br., var. | 2468 | velutina, Dougl. | 2200 | maritima, Nutt. |
| | arceata, Koch. | 2456 | condulatus, Kellogg. | 2684* | var. (perfectly smooth.) |
| 2414 | <i>Sisymbrium incisum</i> , Eng., var. | 2242 | capillatus, Torr. & Gray. | 2228 | strigosa, Nutt. |
| 2634* | reflexum, Nutt. | 2657* | prostratus, Benth. | 2266 | parviflora, Benth. |
| 2336 | <i>Nasturtium obtusum</i> , Nutt. | 2204 | <i>Faculus Californica</i> , Nutt. | 2265 | Parshiana, Benth. |
| 2638* | officinale, R. Br. | 2477 | <i>Acer glabrum</i> , Torrey. | 2685* | subpinnata, T. & G. |
| 2639* | <i>Lepidium intermedium</i> , Gr. | 2300 | <i>Negundo Californicum</i> , T. & G. | 2259 | brachycarpa, Benth. |
| | (with petals) | 2141 | <i>Rhus laurina</i> , Nutt. | 2257 | glabra, Torrey. |
| 2301 | <i>Senecioidea didyma</i> , Vernon. | 2660* | <i>Thermopsis Californica</i> , Watson. | 2686 | decumbens, Benth. |
| 2254 | <i>Helianthemum scoparium</i> , Nutt. | 2661* | <i>Pickeringia Montana</i> , Nutt. | 2687 | var. Nevadensis, Watson. |
| 2640 | <i>Viola ocellata</i> , Torr. & Gray. | 2322 | <i>Lupinus arboreus</i> , Sims. | 2331 | tomentosa, Hooker & Arnot. |
| 2271 | armentosa, Dougl. | 2662* | var. | 2365 | <i>Psoralea orbicularis</i> , Lindley. |
| 2659 | <i>Polyala cucullata</i> , Benth. | 2380 | <i>Chamissonis</i> , Eschscholtz. | 2692* | strobilata, Hooker & Arnot. |
| 2318 | <i>Frankenia grandifolia</i> , Cham. & Schl. | 2663* | rivularis, Douglas. | 2323 | macrostachya, DC. |
| 2502 | <i>Silene Lyallii</i> , Watson. | 2324 | var. latifolia, Watson. | 2691* | physodes, Dougl. |
| 2325 | Gallica, L. | 2432 | Burkei, Watson. | 2690* | <i>Astragalus Purshii</i> , Dougl. |
| 2623* | Menziesii, Hooker. | 2411 | Andersoni, Watson. | 2687* | Vicia gigantea, Hooker. |
| 2624* | Californica, Durand. | 2546 | var. (?) Grayi, Watson. | 2689* | esigua, Nutt. |
| 2625* | occidentalis, Watson. | 2406 | calcaratus, Kellogg. | 2688* | <i>Lathyrus vestitus</i> , Nutt. |
| 2430 | verecunda, Watson. | 2395 | minimus, Dougl. | 2693* | <i>Prunus emarginata</i> , Walpers. |
| 2644* | <i>Cerastium viscosum</i> , L. | 2601 | nanus, Dougl. | 2452 | <i>Spiraea betulifolia</i> , Pallas. |
| 2212 | <i>Stellaria media</i> , L. | 2665* | micranthus, Dougl. | 2506 | discolor, Persh. var. dumosa, W. |
| 2412 | umbellata, Turcz. | 2666* | var. bicolor, Watson. | 2694* | <i>Neillia opulifolia</i> , Benth. & Hook. |
| 2626* | longipes, Goldie. | 2667 | trifidus, Torrey. | 2555 | <i>Rubus Nutkanus</i> , Mocino. |

TO BOTANISTS.

The following list of plants represents my work in California, etc., during the first three months of the season of 1882. The whole collection embraces over 1,700 species. The sets contain 700 species. Plants starred are not in the sets of 1882. The large number of new and rare species in this list will indicate the value of the collection. Prices: Sets \$56. Desiderata 10 cts. each, pre-paid to any part of the United States. The lists of 1,000 species of 1881, of 1,000 species of 1880 (Utah plants), of 1,000 species of 1879 (Utah plants) and of Colorado plants of 1878 (1,100 species) will be sent for 10 cents each.

MARCUS E. JONES, A. M.

Salt Lake City, Utah, U. S. A.

FLORA OF CALIFORNIA.

SECOND FASCICLE.

Collected by MARCUS E. JONES, A. M.

3203	<i>Clematis lasiantha</i> , Nutt.	3141	<i>Cerastium nutans</i> , Raf.	3218	<i>Trifolium gracilentum</i> , var.
3310*	<i>pauciflora</i> , Nutt.	3287	<i>Stellaria crispata</i> , Cham. & Schl.	3164	<i>bifidum</i> , Gray
2585*	<i>Thalictrum Fendleri</i> , Gray	3247	<i>Arenaria Douglasii</i> , T. & G.	2670	<i>focatum</i> , Lindley
3135	<i>Myosurus minimus</i> , L.	3150	<i>Californica</i> , Brewer	3335	<i>depauperatum</i> , Desvieux
3220	<i>Ranunculus Californicus</i> , B'th.	3278	<i>congesta</i> , Nuttall, var.	3127	<i>amplectens</i> , T. & G.
3308	<i>Nelsoni</i> , var. <i>tenellus</i> , Gr.	3161	<i>Calandrinia Breweri</i> , Watson	3337*	<i>Medicago lupulina</i> , L.
3219	<i>hebecarpus</i> , H. & A.	2630	<i>Claytonia perfoliata</i> , Donn	3282	<i>Hosackia bicolor</i> , Douglas
	var. <i>pusillus</i> , Benth.	2628	<i>Chamissonis</i> , Eschscholtz	2682	<i>oblongifolia</i> , Bentham
3273	<i>muricatus</i> , L.	3160	<i>parvifolia</i> , Moc.	2684	<i>maritima</i> , Nuttall, var.
2614	<i>Aquilegia truncata</i> , F. & M.	2629	<i>triphylia</i> , Watson	3162	<i>subpinnata</i> , T. & G.
3228	<i>Delphinium variegatum</i> , T. & G.	3279	<i>Montia fontana</i> , L.	3191	<i>glabra</i> , Torrey, var.
3204	<i>decorum</i> , F. & M.	3122	<i>Calyptidium monandrum</i> , Nt.	3244	<i>juncosa</i> , Bentham
2410*	<i>depauperatum</i> , Nuttall	3170*	<i>Lewisia brachycarpa</i> , Eng.	3145	<i>micrantha</i> , Nuttall
2615	<i>Paeonia Brownii</i> , Douglas	3217	<i>Hypericum concinnum</i> , Benth.	3338	<i>argophylla</i> , Gray
3311*	<i>Platystegia linearis</i> , Bentham	3157	<i>Silene calycosa</i> , n. sp.	2685*	<i>decumbens</i> , Bentham
3312	<i>Californicum</i> , B. & H.	3237*	<i>Malvastrum Thudleri</i> , Gray	3339	<i>tomentosa</i> , H. & A.
3313*	<i>Meconopsis heterophylla</i> , B'th.	2792*	<i>Linum perenne</i> , L.	2691	<i>Psoralea physodes</i> , Douglas
3314	<i>Dendromecon rigidum</i> , Benth.	3430*	<i>micranthum</i> , Gray	3325*	<i>Glycerhiza lepidota</i> , Nutt.
3038	<i>Eschscholzia Californica</i> , Cham., var. <i>Douglasii</i> , Gr.	2854*	<i>spergulinum</i> , Gray	3152	<i>Astragalus didymocarpus</i> , Gr.
		3115*	<i>Geranium Carolinianum</i> , L.	3229	<i>dispermum</i> , Gray
3302	<i>Dicentra formosa</i> , DC.	3285	<i>Limnanthes Douglasii</i> , R. Br.	3155	<i>tener</i> , Gray
3105	<i>Draba cuneifolia</i> , Nutt.	2652	<i>Oxalis corniculata</i> , L.	3571*	<i>curtipes</i> , Gray
3071	<i>Cardamine paucicaulis</i> , Benth.	3086	<i>Cnroridium dumosum</i> , Hook. f.	3083	<i>leucopsis</i> , T. & G.
3210	<i>Arabis perfoliata</i> , Lam.	3087	<i>Rhamnus crocea</i> , Nuttall	3166	<i>oocarpus</i> , Gray
3264	<i>blepharophylla</i> , H. & A.	3207	var.	2687	<i>Vicia gigantea</i> , Hooker
3625*	n. sp.	2654	<i>Californica</i> , Esch.	3295	<i>Americana</i> , Muhl., var.
2512*	<i>platysperma</i> , Gray		var. <i>tomentella</i> , B. & W.	3582	var. <i>truncata</i> , Brewer
3231	<i>Streptanthus glandulosus</i> , Hk.	3132	<i>Adolphia Californica</i> , Watson	3583	<i>linearis</i> , Watson
3129	<i>heterophyllus</i> , Nutt.	3018	<i>Ceanothus thyrsiflorus</i> , Esch.	3164	<i>exigua</i> , Nuttall
3097*	<i>flavescens</i> , Hooker	2656	<i>integerrimus</i> , H. & A.	3241	<i>sativa</i> , L.
2640*	<i>Thelypodium neglectum</i> , n. sp.	3322*	<i>hirsutus</i> , Nuttall	3575	<i>Lathyrus splendens</i> , Kell. n. sp.
3068*	<i>Cananthus procerus</i> , Watson	3323*	<i>sorediatus</i> , H. & A.	3570	<i>polyphyllus</i> , Nuttall
2620	<i>Erysimum asperum</i> , DC.	3321	<i>divaricatus</i> , Nuttall	2688	<i>vestitus</i> , Nuttall
3284*	<i>Brassica campestris</i> , L.	3111	<i>spinosus</i> , Nuttall	3573	<i>sulphureus</i> , Brewer
2621	<i>Barbarea vulgaris</i> , R. Brown.	3022	<i>crassifolius</i> , Torrey	3574*	<i>paluster</i> , L. var. <i>myrtifolius</i>
	var. <i>arcuata</i> , Koch	3320	<i>conatus</i> , Nuttall	3572	<i>Cercis occidentalis</i> , Torr. [Gr.
3570	<i>Sisymbrium canescens</i> , Nuttall	3049	var.	2403	<i>Prunus emarginata</i> , Walpers
2634	<i>reflexum</i> , Nuttall	3319	<i>rigidus</i> , Nuttall	3578	<i>Nuttallia cerasiformis</i> , T. & G.
3281*	<i>Nasturtium curvisiliqua</i> , Nutt.	2657	<i>prostratus</i> , Bentham	3579	<i>Spiraea discolor</i> , Pursh.
	var. <i>lyratum</i> , Watson	3317*	<i>Vitis Californica</i> , Bentham		var. <i>arizifolia</i> , Watson
3130	<i>Tropidocarpum gracile</i> , Hook.	3303	<i>Acer macrophyllum</i> , Pursh	2604	<i>Neillia opulifolia</i> , B. & H.
3053	<i>Capella divaricata</i> , Walpers	3206	<i>Rhus diversiloba</i> , T. & G.		var. <i>mollis</i> , Hooker
3060	<i>Lepidium latipes</i> , Hooker	3090	<i>aromatica</i> , Aiton	3309	<i>Rubus leucodermis</i> , Douglas
3025	<i>dictyotum</i> , Gray		var. <i>trilobata</i> , Gray	3297	<i>Chamaebatia foliolosa</i> , Benth.
3061	var. <i>acutifolius</i> , Gray	3046	<i>integrifolia</i> , B. & H.	3190	<i>Cercocarpus parvifolius</i> , Nutt.
3272	<i>oxycarpum</i> , Torrey & Gr.	3318	<i>laurina</i> , Nuttall	3580*	var. <i>glaber</i> , Watson
	var. <i>strictum</i> , Watson	2660	<i>Thermopsis Californica</i> , Wat.	3572	<i>Fragaria Chilensis</i> , Ehrh.
3036	<i>nitidum</i> , Nuttall	3274	<i>Lupinus arboreus</i> , Sims, var.	2099	<i>Potentilla glandulosa</i> , Lindley
3050	<i>Menziesii</i> , DC.	3236	<i>Chamissonis</i> , Esch.	3581	<i>Norvegica</i> , L.
3051	<i>lasiocarpum</i> , Nuttall		<i>longifolius</i> , Watson	3584*	<i>Horkelia Californica</i> , Cham.
2639	<i>intermedium</i> , Gray	3326*	<i>longebracteatus</i> , Wat.		<i>tridentata</i> , Torr. [Schl.
3169	<i>Thysanocarpus curvipes</i> , Hk.	3210	<i>littoralis</i> , Douglas	3260	<i>Acena trifida</i> , Ruiz. & Pav.
3035	<i>laciniatus</i> , Nuttall	2546*	<i>albicaulis</i> , Douglas?	2141*	<i>Heteromeles arbutifolia</i> , Rrm.
3094	var. <i>crenatus</i> , Brewer	3277	<i>albicaulis</i> , Douglas	3577	<i>Calycanthus occidentalis</i> , H. &
3101	<i>pusillus</i> , Hooker	3200	var. <i>Bridgesii</i> , Watson	3585*	<i>Saxifraga Parnyi</i> , Gray [A.
3047	<i>Isomeris arborea</i> , Nuttall	3395	<i>lepidus</i> , Douglas	3587	<i>Virginensis</i> , Mx.
3070	<i>Viola pedunculata</i> , Torr. & Gr.	3327*	<i>Breweri</i> , Gray	2713*	<i>nivalis</i> , L.
3399	<i>aurea</i> , Kellogg	3330	<i>micrantha</i> , Douglas, var.	2711*	<i>integrifolia</i> , Hooker
3081*	var. <i>venosa</i> , Watson		<i>microphyllus</i> , Watson	3588	<i>Mertensiana</i> , Bong.
3131*	<i>Nuttallii</i> , Pursh	3332	<i>leptophyllus</i> , Bentham	2710	<i>Tellima grandiflora</i> , Douglas
3139*	<i>glabella</i> , Nuttall	3331*	<i>sparsiflorus</i> , Bentham	3223	<i>Cymbalaria</i> , Gray
3280	<i>lobata</i> , Bentham	3333	<i>Arizonicus</i> , Watson	3586	<i>Philadelphus Lewisii</i> , Pursh.
3116*	var. <i>integrifolia</i> , Watson	3169	<i>concinus</i> , Agardh		var. <i>Californicus</i> , Gray
3316	<i>Polygala Californica</i> , Nuttall	3329	<i>microcarpus</i> , Sims	2628	<i>Whipplea modesta</i> , Torrey
3158*	<i>Silene antirrhina</i> , L.	3328*	<i>densiflorus</i> , Bentham	3073	<i>Kibes speciosum</i> , Pursh
3142	<i>laciniata</i> , Cav.	3336*	<i>Trifolium repens</i> , L.	3278*	<i>Menziesii</i> , Pursh
3404	<i>Lemmonii</i> , Wt.	2673	<i>Macraei</i> , H. & A.	2327*	<i>sanguineum</i> , Pursh, var.
3154	<i>occidentalis</i> , Watson	3334	var. (<i>Chilian form</i>)		<i>glutinosum</i> , Br. & Wat.
2502*	<i>Douglasii</i> , Hooker	2675	<i>gracilentum</i> , T. & G.	3102	<i>malvacea</i> , Br. & Wat.

TO BOTANISTS.

The following list of about 1307 species contains all the names of plants collected by me in Arizona, New Mexico, Texas and California during the year of 1884. The sets contain about 725 species. Those names followed by "n," "c," "t," or "a," indicate that the plant was also collected in New Mexico, California, Texas, or Arizona as the initial letter shows. This list contains an unusually large number of new and rare species, most of which are still to be described. Plants started are not in the sets. I have used the last volume of Gray's *Synoptical Flora*, adopting for the present his nomenclature, though not agreeing with his departure from his usual custom in elevating to specific rank so many mere varieties. Previous lists can be had for 10 cts. each, they are as follows: Colorado, 1160 species (900 species in the sets); Utah, (1879) 1030 species (400 in the sets); Utah (1880, all different) 1100 species (400 in the sets); California, Nevada, etc. (1881) 1000 species (507 in the sets); California, Nevada, Mexico, etc. (1882) 1825 species (725 in the sets). These lists embrace four-fifths of the flora west of the Missouri River; making a total of nearly 4000 species.

Botanists can select specimens at 10 cents each. The sets will be sold for \$8 per 100 species and will not be broken. I will pay the expense of transportation to any part of the United States, on all orders amounting to \$5 or more. Orders for ten or twelve species are not desired, unless accompanied by 25 cents additional to prepay postage.

I have published a complete manual of the ferns of the west, including all those found west of the Missouri River, with full descriptions of all the species and varieties (108). This has met with much favor from all lovers of ferns. Pp. 28. brevier. Price 30 cents.

MARCUS E. JONES, A. M.,
125 West, Third South Street,
Salt Lake City, Utah.

FLORA OF ARIZONA. 1884 FIRST FASCICLE.

Collected by MARCUS E. JONES, A. M.

- | | | | | | |
|-------|---|-------|---------------------------------------|-------|---|
| 4027 | <i>Clematis ligusticifolia</i> , Nutt. | 4028 | <i>Ptelia angustifolia</i> , Benth. | 4252 | <i>Phaseolus acutifolius</i> , Gray |
| 4273 | <i>Drummondii</i> , T. & G. | 4405 | <i>Canotia holacantha</i> , Torr. | 4438* | var. |
| 4358* | <i>Anemone cylindrica</i> , Gray | 4406* | <i>Zizyphus lycioides</i> , Gray, | 4052 | nspp. |
| 3969 | <i>Thalicttrum Fendleri</i> , Eng. | | var. <i>canescens</i> , Gray t | 4439* | <i>Rhynchosia Texana</i> , T. & G. |
| 4359* | <i>Aquilegia Canadensis</i> , L. | 4407* | <i>Karwinskia Humboldtiana</i> , Z. | 3892 | <i>Parkinsonia Torreya</i> , Watson |
| 3894 | <i>Delphinium simplex</i> , Dougl. | 3993 | <i>Ceanothus Fendleri</i> , Gray | 4441* | <i>Cassia nictitans</i> , L. |
| 3921 | <i>decorum</i> , F. & M. | 4408 | <i>Vitis Arizonica</i> , Eng. | 4442 | <i>Covesii</i> , Gray |
| 4072 | <i>scopolorum</i> , Gray | 4409* | <i>Aspidopanax quinquefolia</i> , Mx. | 4443 | <i>Prosopis juliflora</i> , DC. |
| 4366* | <i>Berberis Fremontii</i> , Torr. | 4410* | <i>Sapindus marginatus</i> , Willd. | 4444* | pubescens, Benth. |
| 3961 | <i>Platystemon Californicus</i> , Bth. | 4411* | <i>Rhus Toxicodendron</i> , L. | 4445* | <i>Mimosa biuncifera</i> , Benth. |
| 4362 | <i>Eschscholzia Californica</i> , Chm | 4412 | <i>Rhus virens</i> , Lindh. | 4011 | <i>Acacia ficinea</i> , Willd. |
| 3881 | <i>minutiflora</i> , Watson | 4412* | aromatica, Ait. | 4259 | <i>Calliandra humilis</i> , Benth. |
| 4363* | <i>Corydalis aurea</i> , Willd., | | var. <i>trilobata</i> , Gray n | 4320 | var. |
| | var. <i>occidentalis</i> , Eng. | 4302 | <i>Crotalaria lupulina</i> , DC. | 3960 | <i>Spizaea discolor</i> , Pursh, |
| 4364* | <i>Draba cuneifolia</i> , Nutt. t | 3956 | <i>Lupinus Sitgreavesii</i> , Watson | | var. <i>dumosa</i> , Watson |
| 4365* | <i>aurea</i> , Vahl. | 4068 | <i>Palmeri</i> , Watson | 4030 | <i>millefolium</i> , Torr. |
| 4366* | <i>Streptanthus cordatus</i> , Nutt. | 3947 | <i>Kingii</i> , Watson | 4447* | <i>cespitosa</i> , Nutt. |
| 4367* | <i>Thelypodium longifolium</i> , Wat | 4413 | n. sp. | 4448* | <i>Rubus strigosus</i> , Mx. |
| 4368* | <i>ambiguum</i> , Watson [t | 3885 | <i>Arizonicus</i> , Watson | 4449* | <i>Cercocarpus parvifolius</i> , Nutt. |
| 4051 | <i>Wrightii</i> , Gray | 3898 | <i>pusillus</i> , Pursh, var. n | 4037 | <i>Cowania Mexicana</i> , Don |
| 4369* | n. sp. | 4414* | <i>brevicaulis</i> , Watson | 4450* | <i>Geum Rossii</i> , Seringe |
| 4006 | <i>Erysimum asperum</i> , DC. | 4415* | <i>Trifolium longipes</i> , Nutt., | 4069 | <i>Potentilla Thurberii</i> , Gray |
| 4054 | <i>Brassica nigra</i> , Boiss. | | var. <i>laetifolium</i> , Hook. | 4451* | var. |
| 4370* | <i>Sisymbrium reflexum</i> , Nutt. | 3984 | <i>Involutarum</i> , Willd. | 4452* | <i>Norvegica</i> , L. |
| 3879 | <i>Vesicaria</i> n. sp. | 3927 | <i>Hosackia rigida</i> , Benth. | 3919 | <i>Hippiana</i> , Lehm. |
| 4371 | n. sp. | 3982 | <i>Wrightii</i> , Gray | 4453* | <i>gracilis</i> , Douglas |
| 4373* | <i>Lepidium montanum</i> , Nutt. | 4416 | <i>puberula</i> , Benth. | 4454* | <i>Anserina</i> , L. |
| 3916 | <i>Fremontii</i> , Watson | 4417* | <i>strigosa</i> , Nutt. | 4455* | <i>Sibbaldia procumbens</i> , L. |
| 4377* | <i>Thysanocarpus corvipes</i> , Hook | 4418* | <i>Purshiana</i> , Benth. | 4456* | <i>Rosa Fendleri</i> , Crepin |
| 4033 | <i>Cleome integrifolia</i> , T. & G. | 4880 | <i>subpinnata</i> , T. & G. | 4457* | <i>Amelanchier alnifolia</i> , Nutt. |
| 4113 | <i>Wislizenia refracta</i> , Eng. | 4419* | <i>brachycarpa</i> , Benth. c | 4458* | <i>Saxifraga debilis</i> , Eng. |
| 4378* | <i>Polygala puberula</i> , Gray | 4283 | <i>Tephrosia</i> n. sp. | 4459* | <i>nivalis</i> , L. |
| 4379 | <i>subspinosa</i> , Watson | 4420 | <i>Astragalus dispermus</i> , Gray | 4460* | <i>Heuchera rubescens</i> , Torr. |
| 4299 | <i>Monnina Wrightii</i> , Gray | 3876 | <i>Nuttallianus</i> , DC. n t | 4461 | <i>sanguinea</i> , Eng. |
| 4380* | <i>Silene Antirrhina</i> , L. | 3886 | <i>diphyus</i> , Gray | 4462* | <i>Fendleri rupicola</i> , Gray, |
| 4381* | <i>acaulis</i> , L. | 4421* | <i>lentiginosus</i> , Dougl. | | var. <i>Wrightii</i> , Gray |
| 4382* | <i>Cerastium vulgatum</i> , L. | 4422* | <i>allochrous</i> , Gray | 4463* | <i>Philadelphus</i> |
| 4383* | <i>Stellaria</i> n. sp. | 4423 | <i>amphioxys</i> , Gray | 4300* | <i>Ribes lacustre</i> , Poir. |
| 3974 | <i>Arenaria</i> n. sp. | 4424 | <i>subcinereus</i> , Gray | 4464* | var. <i>parvulum</i> , Gray |
| 3967 | <i>Fendleri</i> , Gray | 3940 | n. sp. | 4465 | <i>cereum</i> , Douglas |
| 4385* | <i>verna</i> , L. | 3980 | <i>Fendleri</i> , Watson ? | 4466* | <i>Sedum rhodanthum</i> , Gray |
| 4386* | var. <i>hirta</i> , Fenzl. | 4425* | n. sp. | 4153 | <i>Wrightii</i> , Gray n |
| 4221 | <i>Portulaca siffrutescens</i> , Eng. t | 4426 | n. sp. | 4270 | <i>Zauschneria Californica</i> , Presl. |
| 4389* | <i>Talinum terefolium</i> , Pursh | 3964 | n. sp. | 4467* | <i>Epilobium coloratum</i> , Muhl. |
| 4271 | <i>sarmentosum</i> , Eng. | 4427 | n. sp. ? | 4092 | <i>paniculatum</i> , Nutt. |
| 4336 | n. sp. | 4059 | <i>Oxytropis Lamberti</i> , Pursh | 3958 | <i>Gayophytum ramosissimum</i> , T |
| 3935 | <i>Calyptidium monandrum</i> , N't. | 3952 | <i>Psoralea tenuiflora</i> , Pursh | 4468 | <i>racemosum</i> , T. & G. [& G. |
| 3993 | <i>Sidalcea malviflora</i> , Gray | 4428* | <i>lancoata</i> , Pursh | 4468* | <i>Eulobus Californicus</i> , Nutt. |
| 4390* | <i>Malvastrum coccineum</i> , Gray | 3951 | <i>Petalostemon candidus</i> , Mx. | 4469* | <i>Euthra biennis</i> , L. |
| 4391* | <i>exile</i> , Gray | 4429* | <i>Dalea alpestris</i> , Willd. | 4740* | <i>cespitosa</i> , Nutt. n |
| 4394* | <i>Abutilon hypoleucum</i> , Gray | 4430 | <i>levigata</i> , Gray | 4062 | <i>coronopifolia</i> , T. & G. |
| 4395* | <i>Thurberia thespisioides</i> , Gray | 4431* | <i>calycosa</i> , Gray | 4471* | <i>drachycarpa</i> , Gray t |
| 4406* | <i>Avena pusilla</i> , L. | 4433* | <i>albiflora</i> , Gray | 4472* | <i>Hartwegii</i> , Benth. |
| 4307 | <i>Linum perenne</i> , L. | 4360 | n. sp. | | var. <i>lavandalefolia</i> , Wat |
| 4398 | n. sp. | 4435* | <i>Wrightii</i> , Gray t | 4473* | <i>micrantha</i> , Hornem. |
| 4399* | <i>stristatum</i> , Eng. | 3883 | n. sp. | 4055 | <i>Gaura suffulta</i> , Eng. |
| 4400* | <i>rigidum</i> , Pursh, | 4436* | <i>Fremontii</i> , Torr. ? | 4475 | <i>coccinea</i> , Nutt. |
| | var. <i>puberulum</i> , Gray | 4238 | <i>Desmodium Neo-Mexicanum</i> , | 4476* | <i>Cucurbita perennis</i> , Gray |
| 3944 | <i>Janusia gracilis</i> , Gray t | 4232 | <i>batacaulon</i> , Gray [Gray | 4477* | <i>digitata</i> , Gray |
| 3994 | <i>Geranium Fremontii</i> , Torr. | 3959 | <i>Vicia Americana</i> , Muhl. | 4478* | <i>palmata</i> , Watson |
| 4401* | <i>Richardsonii</i> , F. & M. | 3965 | <i>pulegiella</i> , HBK | 4479* | <i>Nov. Genus?</i> |
| 4402* | <i>Erodium cicutarium</i> , L'Her. | 4437 | <i>Lathyrus paluster</i> , L. | 4480* | <i>Elatium Wrightii</i> , Gray |
| 3924 | <i>Thamnosma montanum</i> , Torr. | 3954 | <i>Cologania longifolia</i> , Gray | 4308 | <i>Mentzelia aspera</i> , L. |
| 4404 | <i>Texanum</i> , Gray | 4333 | <i>Galactea tephrodes</i> , Gray | 3900 | <i>albicaulis</i> , Douglas, var. |

TO BOTANISTS.

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.

<i>Clematis alpina</i> , Mill., var. <i>Oebotensis</i> , Gray. Douglasii, Hook. ligusticifolia, Nutt. Scottii, Porter. <i>Anemone cylindrica</i> , Gray. dichotoma, L. multifida, Poir. patens, L., var. <i>Nuttalliana</i> , Gray. <i>Thalictrum alpinum</i> , L. Fendleri, Engelm. purpurascens, L. sparsiflorum, Turez. <i>Myosurus minimus</i> , L. <i>Ranunculus adoneus</i> , Gray. affinis, R. Br., var. <i>cardiophyllus</i> , Gray. var. <i>leucopaeus</i> , Traut. aquatilis, L., var. <i>stagnatilis</i> , DC. var. <i>trichophyllum</i> , Gray. <i>Cymbalaria</i> , Pursh. Flammula, L., var. <i>repans</i> , Mey. hyperboreus, Roth., var. <i>natans</i> , Nuttallii, Gray. (Regel.) repens, L. secleratus, L. <i>Caltha leptocarpa</i> , DC. Trollius laxus, Salisb. Aquilegia brevistylis, Hook. eserules, James. chrysantha, Gray. <i>Delphinium aureum</i> , Mx., var. <i>bicolor</i> , Nutt. occidentale, Watson. scopolarium, Gray. <i>Aconitum columbianum</i> , Nutt. Atropa spicata, L., var. <i>arguta</i> , Torr. Berberis repens, Lindl. Argemone hispida, Gray. Corydalis aurea, Willd., var. <i>occidentalis</i> , Gray. <i>Draba alpina</i> , L. androsacea, Wahl. aurea, Wahl. Caroliniana, Walt., var. <i>micrantha</i> , Gray. cuneifolia, Nutt., (th, Gray.) nematosa, L., var. <i>stenoloba</i> , Ledeb. streptocarpa, Gray. var., new. Cardamine cordifolia, Gray. Arabis Drummondii, Gray. bireuta, Scop. perfoliata, Lehm. Stanleya pinnatifida, Nutt. Erysimum asperum, DC., var. <i>Arkanianum</i> , Gray. pumilum, Nutt. cheiranthoides, L. Sisymbrium ensesecens, Nutt. incisum, Engelm. var. Sneolowia celystina, Meyer. Nasturtium obtusum, Nutt. officinale, R. Br. palustre, DC. sinatum, Nutt. Vesicaria Ludovicianae, DC. montana, Gray. Camelina sativa, Crantz. Capsella Bursa-pastoris, Moench. Thlaspi alpestre, L. Lepidium intermedium, Gray. montanum, Nutt. Virginicum, L. Physaria didymocarpa, Gray. Polanisia trachysperma, T. & G. Cleome integrifolia, T. & G. Helianthemum — Viola biflora, L. Canadensis, L. canina, L. encusata, Ait. delphinifolia, Nutt. Nuttallii, Pursh. montana, Gray.	<i>Silene acaulis</i> , L. antirrhina, L. Menziesii, Hook. Scouleri, Hook. Lychnis apetalus, L. Drummondii, Watson, var. Saponaria Vaccaria, L. Cerastium arvense, L. (Regel.) alpinum, L., var. <i>Behringianum</i> , Nutans, Raf., var. <i>brachypodum</i> , Engelm. Stellaria borealis, Bigel. crassifolia, Ehrh. crispa, Cham. & Schl. ? Jamesii, Torr. longipes, Goldie. longifolia, Muhl. umbellata, Turez. Arenaria biflora, var. <i>obtusata</i> , Watson. congesta, Nutt., var. <i>subcongesta</i> , Watson. Fendleri, Gray. var. <i>diffusa</i> , Porter. lateriflora, L. verna, L., var. <i>hirta</i> , Watson. Portulaca oleracea, L. Talinum terrefolium, Pursh. Caldwellia pygmaea, Gray. Claytonia Caroliniana, Mx. Chamaejasme, Esch. megarrhiza, Parry. Hypericum Scouleri, Hook. Sidalcea malvaeflora, Gray. Malvastrum coccineum, Gray. Sphaeralcea angustifolia, Spach. Linum perenne, L. Geranium Fremonii, Torr. Richardsonii, P. & M. Oxalis corniculata, L., v. <i>stricta</i> , Sav. Pachystima Myrsinites, Raf. Ceanothus Fendleri, Gray. ovatus, Bigel. velutinus, Dougl. Vitis riparis, Mx. Ampelopsis quinquefolia, Mx. Acer glabrum, Torr. Negundo aceroides, Moench. Rhus aromatica, Ait., var. <i>trilobata</i> , Gray. glabra, L. Toxicodendron, L. Thermopsis montana, Nutt. Sophora sericea, Pursh. Lupinus argenteus, Pursh. var. <i>argophyllus</i> , Watson. exspitosus, Nutt. Fruit. parviflorus, Nutt. Oniscus, Pursh. Trifolium dasyphyllum, T. & G. nanum, Torr. Parryi, Gray. pratense, L. repens, L. Medicago sativa, L. Psoralea argophylla, Pursh. hypogaea, Nutt. buccolata, Pursh. tenuiflora, Pursh. Amorpha fruticosa, L. Dalea Jamesii, T. & G. Petalostemon candidus, Mx. macrostachys, Torr. violaceus, Mx. Glycyrrhiza lepidota, Pursh. Astragalus aboriginum, Rich. adsurgens, Pall. alpinus, L. hispidus, Gray. campestris, Gray. Canadensis, L. eryocarpus, Ker. decumbens, Gray. Drummondii, Dougl. flexuosus, Dougl. hypoglottis, L. juvencus, Gray. Kentrophyta, Gray.	<i>Astragalus microlobus</i> , Gray. Missouriensis, Nutt. multiflorus, Gray. orboides, Hornem., var. <i>Americanus</i> , Gray. Parryi, Gray. pietus, var. <i>filifolius</i> , Gray. racemosus, Pursh. Shortianus, Nutt. sparsiflorus, Gray. triflorus, Gray. Oxytropis campestris, DC. depressa, DC. Lamberti, Pursh. multiceps, Nutt. splendens, Dougl. Vicia Americana, Muhl. var. <i>linearis</i> , Watson. Lathyrus oratus, Nutt. paluster, L. polymorphus, Nutt. Prunus americana, Marshall. Chicosa, Mx. Pennsylvanica, L. f. Virginiana, L. Spiraea discolor, Pursh. var. <i>dimosa</i> , Watson. Neillia apiculata, Benth. & Hook. Torreyi, Watson. Rubus delicatus, James. strigosus, Mx. Cercocarpus parvifolius, Nutt. Dryas octopetala, L. Fallingia paradoxa, Endl. Geum Rossii, Seringe. var. <i>molle</i> , T. & G. macrophyllum, Willd. strictum, Ait. triflorum, Pursh. rivale, L. Fragaria vesca, L. Virginiana, Duchesne. (f. typ.) Potentilla Anserina, L. arguta, Pursh. fruticosa, L. glandulosa, Lindl. gracilis, Dougl. Hippiana, Lehm. var. <i>pulcherrima</i> , Watson. humifusa, Nutt. nivea, L. Norvegica, L. Pennsylvanica, L., var. <i>strigosa</i> , (Pursh.) Plattensis, Nutt. supina, L. Sibbaldia procumbens, L. Agrimonia Eupatoria, L. Rosa blanda, Ait. Pirus sambucifolia, Ch. & Sch. Crataegus rivalaris, Nutt. Douglasii, Lindl. Amelanchier alnifolia, Nutt. Saxifraga bronchialis, L. exspitosa, L. cernuus, L. chrysantha, Gray. debilis, Eng. flagellaris, Willd. Jamesii, Torr. nivalis, L. punctata, L. rivarialis, L. tricuspidata, Retz. Mitella pentandra, Hook. Heuchera bracteata, Seringe. Hallii, Gray. parvifolia, Nutt. Parnassia parviflora, DC. Jamesia Americana, T. & G. Ribes aureum, Pursh. cereum, Dougl. laetum, Poir. leptanthoides, Gray. oxycanthoides, L. prostratum, L. Hb. Sedum rhoifolium, Gray.
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