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New and Extended Ranges For Utah Plants

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NEW AND EXTENDED RANGES FOR UTAH PLANTS

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The following Utah plants are not included in Tidestrom's "Flora of Utah and Nevada," nor are any listed specifically for Utah in Rydberg's "Flora of the Rocky Mountains and Adjacent Plains." Specific localities are given for each species, followed by the herbaria where it may be found. The University of Utah Herbarium is designated by the letter "U", the A. O. Garrett Herbarium by the letter "G", and the Brigham Young University Herbarium by the letter "Y." This list does not include a rather large number of species known to occur in Utah and listed in Tidestrom, but not specifically for Utah.

Ophioglossaceae

1. *Botrychium lanceolatum* (S. G. Gmel.) Angs.
Meadow bordering Silver Lake, Brighton, Big Cottonwood Canyon, Salt Lake Co. G.
2. *Botrychium matricariaefolium* A. Br.
Data same as for *B. lanceolatum*. G.

Polypodiaceae

3. *Asplenium adiantum-nigrum* L.
Zion National Park, Washington Co. U, G.
4. *Asplenium viride* Huds.
Glacial cirque near Emerald Lake, Mt. Timpanogos, Utah Co., U, G.
5. *Cryptogramma Stelleri* (Gmel.) Prantl.
American Fork Canyon and cliffs above Second Falls, Mt. Timpanogos, Utah Co. U, G, Y.
6. *Woodsia mexicana* Fee
Blanding, San Juan Co., Utah, crevices of dry cliffs. U.

Salviniaceae

7. *Azolla caroliniana* Willd.
Streams around Geneva, Utah Co.; small pond at Thirty-third South and Eleventh East, Salt Lake City. U, G, Y.

Isoetaceae

8. *Isoetes Howellii* Engelm.
Dry Lake, Cache Co. G.

Poaceae

9. *Agropyron cristatum* (L) Beauv.
Used in reseeding range lands by Forest Service. Y.
10. *Agrostis perennans* (Walt) Tuckerm.
Mt. Nebo, Juab Co. W. D. Stanton Herbarium, Eureka, Utah.
11. *Agropyron repens* (L) Beauv.
Provo, Utah Co.; Hobbie Creek, Utah Co.; Eureka, Juab Co.;
Henry Mts., Garfield Co. Y.
12. *Agropyron Scribneri* Vasey
Mt. Ellen. Henry Mts., Garfield Co., mountain slopes, 9000-10,000
feet. U, Y.
13. *Avena Mortoniana* Scribn.
Ashley Forest, Daggett Co. Y.
14. *Bouteloua trifida* Thurb.
Beaver Dam Mts., St. George, Washington Co. U, Y.
15. *Bromus frondosus* (Shear) Woot. & Standl.
Kanab, Kane Co.; Zion Park, Washington Co.; Bryce Canyon,
Garfield Co. U, Y.
16. *Chloris virgata* Swartz
St. George, Washington Co., ditch banks. U, Y.
17. *Cynodon dactylon* (L.) Pers.
Vicinity of St. George, Washington Co. G, Y.
18. *Danthonia unispicata* (Thurb.) Munro
Parley's Canyon, Salt Lake Co.; Mt. Nebo, Juab Co. U, G, Y.
19. *Eleusine indica* (L) Gaertn.
St. George, Washington Co.; Salt Lake City, Salt Lake Co. U, Y.
20. *Elymus virginicus* var. *submuticus* Hook.
Provo River, Utah Co. Y.
21. *Eragrostis diffusa* Buckl.
North Park, Provo, Utah Co.; St. George, Washington Co. Y.
22. *Erianthus ravennae* (L) Beauv.
Hill north of St. George, Washington Co. Y.
23. *Leptochloa uninervia* (Presl.) Hitchc.
North Park, Provo, Utah Co. Y.
24. *Lycurus phleoides* H. B. K.
East Fault Mt. five miles north of Escalante, Garfield Co. U, Y.

25. *Muhlenbergia Arsenei* Hitchc.
East Fault Mt. five miles north of Escalante, Garfield Co. U, Y.
26. *Panicum flexile* (Gattinger) Scribn.
Provo River, Utah Co. Y.
27. *Panicum thermale* Boland
Salt Lake City; Utah Co. U, Y.
28. *Pappophorum Wrightii* S. Wats.
Warm Point, Desert Range Experiment Station, Beaver-Millard
Cos. U, Y.
29. *Poa bulbosa* L.
Salt Lake City. Extended generally throughout Salt Lake and
Davis Cos. U, G, Y.
30. *Poa Canbyi* (Scribn.) Piper
Two miles below head of Blind Stream, Uintah Mts., Duchesne Co.;
Pleasant View, Utah Co. Y.
31. *Poa glaucifolia* Scribn. & Will.
Fifty miles west of Hinckley, Millard Co.; Little Brush Creek,
Uintah Co. Y.
32. *Poa interior* Rydb.
Henry Mts., Garfield Co.; Fish Lake, Sevier Co.; Utah Co. U, Y.
33. *Poa trivialis* L.
Provo, Utah Co. U, Y.
34. *Puccinellia distans* (L.) Parl.
Geneva Resort, Utah Co., lake shore. U, Y.
35. *Schedonnardus paniculatus* (Nutt.) Trelease
Price, Carbon Co., ditch banks. U, Y.
36. *Schlerochloa dura* (L.) Beauv.
Salt Lake City; roadside and fields between Salt Lake and Ogden;
waste places, U. of U. campus. U, G, Y.
37. *Setaria verticillata* (L.) Beauv.
St. George, Washington Co.; Provo, Utah Co.; Salt Lake City.
Lawns and waste places. U, Y.
38. *Sitanion jubatum* J. E. Smith
Salt Lake City foothills; Utah Co.; Millard Co.; Washington Co.
U, G, Y.
39. *Sorghum halapense* (L.) Pers.
St. George, Washington Co., roadsides and fields. U.
40. *Sporobolus asper* (Michx.) Kunth.
North Park, Provo, Utah Co. Y.
41. *Triodia pilosa* (Buckl.) Merr.
Henry Mts., Garfield Co.; Warm Point, Millard and Beaver Cos.
U, Y, Stanton Herbarium.

Cyperaceae

42. *Carex retrorsa* Schwein.
Ogden Canyon, Weber Co. G, Y.
43. *Cyperus Schweinitzii* Torr.
Sand dunes above Kanab, Kane Co. U, Y.
44. *Eleocharis Parishii* Britton
St. George, Washington Co., ditchbanks and marshes. Y.

Juncaceae

45. *Luzula intermedium* (Thuill.) A. Nels.
Salt Lake Valley, swampy places. U.

Lemnaceae

46. *Wolffia punctata* Griseb.
Irrigation streams, Morgan and Cache Cos. U, G, Y.

Liliaceae

47. *Ornithogalum umbellatum* L.
Fields, South Davis Co. U.
48. *Smilacina racemosa* (L.) Desf.
Mill Creek, Salt Lake Co.; Zion National Park, Washington Co.;
Mt. Timpanogos, Utah Co. Y.
49. *Smilacina stellata* (L.) Desf.
Same data as for *S. racemosa*. U, G, Y.

Orchidaceae

50. *Corallorrhiza striata* Lindl.
Mt. Timpanogos, Utah Co.; Mill Creek, Salt Lake Co. U, G, Y.
51. *Corallorrhiza trifida* Chatel.
Soapstone, Uintah Mts., Summit Co.; Manti, San Pete Co. U, Y.
52. *Cypripedium parviflorum* Salisb.
Provo, Utah Co.; Big Cottonwood Canyon, Salt Lake Co. U, Y.

Salicaceae

53. *Salix candida* Fleuegge
La Sal Ranger Station, San Juan Co. Y.
54. *Salix interior* Rowley
Southwest of St. George, Washington Co. Y.

Polygonaceae

55. *Eriogonum divergens* Small
Gunlock, Washington Co. U.
56. *Eriogonum filicaule* St.
Alton, Kane Co. U.
In Genus *Eriogonum*, Susan G. Stokes, p. 32.

57. *Eriogonum glaberrimum aureum* Gdge.
Wire grass flat, Manti Forest, Sanpete Co. U.
58. *Eriogonum nudicaule* (Torr.) Small ssp. *Garretti* St.
In "The Genus *Eriogonum*" by S. G. Stokes, p. 83.
In talus, east end of Echo Reservoir, Summit Co. Type, U.
Isotype, G. Y.
59. *Eriogonum nudicaule* (Torr.) Small ssp. *Parleyense* St.
In "The Genus *Eriogonum*" by S. G. Stokes, p. 84.
Rocky slopes of canyon, Parley's Canyon, Salt Lake Co.
U, G, Y. Isotype in Garrett Herbarium.
60. *Eriogonum salinum* Nels.
Price, Carbon Co., 5600 ft. U.
61. *Eriogonum sessile* Stokes
Hanksville, Wayne Co. G.
62. *Polygonum utahense* Brenckle and Cottam. Bulletin of University of
Utah, Vol. 30, No. 15.
Type locality: six miles north of Escalante, Garfield Co
Type species: University of Utah.

Silenaceae

63. *Arenaria aberrans* Jones
Contributions to Western Botany, no. 16, p. 37.
Erroneously listed for Boxelder Co. Type locality: Mt. Del-
lenbaugh, Mohave Co., Arizona. Isotypes, U, Y.
64. *Stellaria borealis* Bigel
Posey Lake, Garfield Co. Aquarius Plateau, moist soil, aspen-
spruce association. Y.

Portulacaceae

65. *Montia rubra* Howell
Deep Creek Mts., Juab Co. Y.

Ranunculaceae

66. *Batrachium Drouetii* (F. Schultz) Nym.
Salamander Lake, Mt. Timpanogos, Utah Co. G, Y.
67. *Ranunculus testiculatus* Crantz
Mouth of Mill Creek Canyon, Salt Lake Co.; Fillmore, Millard
Co. U, G, Y.

Papaveraceae

68. *Papaver radicum* Rottb.
Kings Peak, Uinta Mts. U, Y.

Brassicaceae

69. *Chorispora tenella* DC
 Along irrigation ditch, Pleasant Valley, north of Ogden, Weber
 Co. G.
70. *Stanleya glauca* Rydb.
 Santa Clara Bench, Washington Co. Y.

Rosaceae

71. *Drymocallis agrimonioides* (Pursh) Rydb.
 Mt. Timpanogos, Utah Co.; Little Brush Creek Knob, Uintah Co.,
 alpine meadows. Y.

Leguminosae

72. *Astragalus humivagans* R.
 Bryce Canyon. U.
73. *Astragalus leptalea* (Gray) Rydb.
 Navajo Lake, Iron Co. U.
74. *Astragalus pabulosus* Jones
 St. George, Washington Co. U.
75. *Astragalus rafaensis* Jones
 San Rafael Swell, Emery Co. U.
76. *Parosela Thompsoniae* Vail.
 Henry Mts., Garfield Co., sandy desert. U, G, Y.

Linaceae

77. *Linum rigidum* Pursh.
 Bryce Canyon, Garfield Co.; Natural Bridges, San Juan Co.,
 hillsides. Y.

Geraniaceae

78. *Erodium texanum* A. Gray
 Vicinity of St. George, Washington Co. U, G, Y.

Euphorbiaceae

79. *Euphorbia virgata* Waldst. & Kit.
 Field in Ogden Canyon, Weber Co. G.

Malvaceae

80. *Abutilon Theophrasti* Medic.
 Waste places, St. George, Washington Co. G, Y.
81. *Hibiscus Trionum* L.
 Waste places, North Ogden, Weber Co.; Provo, Utah Co. U, G, Y.

Violaceae

82. *Viola bonnevillensis* Cottam
Bulletin Univ. Utah 29:1-8, 1939.
Dry benchland, Salt Lake City.
Type specimen: U.
83. *Viola pallens* (Banks) Brainerd
Moon Lake, Duchesne Co. G, Y.

Araliaceae

84. *Aralia bicrenata* Woot. & Standl.
Zion National Park. U.

Apiaceae

85. *Cymopterus Coulteri* (Jones) Mathias (Endemic to Utah)
Gunnison, San Pete Co. Y.

Vacciniaceae

86. *Vaccinium caespitosum* Michx.
Eagle Creek, Daggett Co.; Moon Lake, Duchesne Co. G, Y.

Apocynaceae

87. *Cycladenia humilis* Benth.
San Rafael Swell, Emery Co. U.

Boraginaceae

88. *Cryptantha paradoxa* (A. Nels.) Payson. (*Oreocarya paradoxa*
A. Nels.)
Near Moab, Grand Co. Y.

Solanaceae

89. *Physalis lobata* (Torr.) Raf.
Bluff, San Juan Co., sand dunes. Y.
90. *Solanum rostratum* Dunal.
Waste places, San Juan, Salt Lake, Davis and Grand Cos. U, G, Y.

Menthaceae

91. *Mentha citrata* Ehrh.
Along irrigation ditches and margins of pond, Provo and Salem
Pond, Utah Co. G, Y.

Scrophulariaceae

92. *Besseyia cinerea* (Raf.) Pennell
Raft River Mts., Boxelder Co. U, Y.
93. *Mimulus verbenaceus* Greene
Zions Grotto, Washington Co. U, Y.

94. *Penstemon angustifolius* Nutt. subsp. *venosus* Keck
Bluff, San Juan Co.; Escalante, Garfield Co., Millard Sand
dunes. U.
95. *Penstemon bracteatus* Keck
Leaflets of Western Botany, vol. 1, no. 9, p.82.
Red Canyon, Bryce National Park, Garfield Co. Collected
by Powell. Specimen California Acad. Science, no. 207933. U.
96. *Penstemon carnosus* Pennell
San Rafael Swell, Emery Co.; Escalante, Garfield Co.; Salina,
Sanpete Co. U, G.
97. *Penstemon concinnus* Keck, sp. nov. Ined.
Desert Range Experiment Station, Millard Co. Isotype: U.
98. *Penstemon Crandallii* A. Nels.
Horse Creek, La Sal Mts., San Juan Co. U.
99. *Penstemon obtusifolius* Pennell
Zion Park, Washington Co. U, Y.
100. *Penstemon nanus* Keck, sp. nov. Ined.
Desert Range Experiment Station, Millard Co. Isotype; U.
101. *Penstemon Palmeri* Gray subsp. *eglandulosus* Keck
American Midland Naturalist, 18-5:797, Sept., 1937.
102. *Penstemon payettensis* A. Nels.
Holstein Ranger Station.
Minidoka Forest, Boxelder Co. U.
103. *Penstemon Sileri* (A. Gr.) Pennell
Cedar Canyon, Iron Co.; Pine Valley, Washington Co.; Long Val-
ley, Kane Co. U, Y.
104. *Synthyris laciniata ibapahensis* Pennell
Proceedings of Academy Natural Science of Philadelphia, Vol.
LXXXV, p. 92, July 17, 1933. Deep Creek Mts., Juab Co.
U, G, Y.

Valerianaceae

105. *Valeriana arizonica* Gray
Zion National Park. U.

Compositae

106. *Artemisia annua* L.
St. George, Washington Co. Y.
107. *Aplopappus scopulorum* (Jones) Blake var. *hirtellum* Blake
Journal of Washington Academy of Sciences. Rocky ledge in
Cedar Canyon, Iron Co. Isotype in Garrett Herbarium.
108. *Boebera papposa* (Vent) Rydb.
Price, Carbon Co., gardens and waste places. U.

109. *Cichorium Intybus* L.
Provo and throughout Utah and Salt Lake Cos., waste places and roadsides. U, G, Y.
110. *Cnicus benedictus* L.
St. George, Washington Co. Y.
111. *Erigeron annuus* (L.) Pers.
Provo Bench, Utah Co. G, Y.
112. *Franseria discolor* Nutt.
Davis Co., fields. U, G, Y.
113. *Grindelia nana* Nutt. f. *Brownii* (Heller) Steyermark
Waste places and along roadsides, Dry Lake, Cache Co.; vicinity of Huntsville, Weber Co. G.
114. *Helianthus anomalus* Blake
Jour. Wash. Acad. Sci., vol. 21, no. 14, Aug. 19, 1931. Sandy desert at foot of Henry Mts., Garfield Co.; Juab sand dunes, Juab Co. U, G, Y.
115. *Machaeranthera divaricata* (Nutt.) Greene
Provo Bench, Utah Co. Y.
116. *Perezia Wrightii* A. Gray
South of St. George, Washington Co. U, Y.
117. *Porophyllum gracilis* Benth.
Southwestern Utah between Leeds and St. George, Washington Co. U.
118. *Psilocarphus globuliferus* Nutt.
Alkaline plains, Salt Lake Co., and margins of Dry Lake, Cache Co. G.
119. *Senecio vulgaris* L.
Waste places in and near Capitol Grounds, Salt Lake City; Utah Co. G, Y.
120. *Sphaeromeria capitata* Nutt.
South of Widtsoe, Garfield Co. U.
121. *Ximenesia exauriculata* (Robins. & Greenm.) Rydb.
Roadside between Elberta and Eureka, Utah Co. U, G.
122. *Ximenesia encelioides* (Cav.) B. & H.
Marysvale, Bullion Canyon, Piute Co. U.