

CITY OF MINNEAPOLIS
BOARD OF PARK COMMISSIONERS

HISTORY
OF THE
ELOISE BUTLER WILD FLOWER GARDEN

THEODORE WIRTH PARK

By MARTHA E. CRONE
Curator of the Garden



SHOWY LADY'S-SLIPPER
MINNESOTA STATE FLOWER

BOARD OF PARK COMMISSIONERS
Minneapolis, Minnesota

Chas. E. Doell, Superintendent
of Parks

Gregory J. Lucking,
Horticulturist

H I S T O R Y
of the
ELOISE BUTLER WILD FLOWER GARDEN

By Martha Crone

April 1951

The idea of the wild flower garden arose from the difficulties experienced by the teachers of botany in familiarizing their students with living plants growing in their natural surroundings. Long journeys had been made with their classes, only to find but few scattered plants, which perhaps by the next season were exterminated by the needs of a rapidly-growing city. Thus was gradually evolved the plan of obtaining before it was too late a plot of land that could support the greater share of our Minnesota flora.

An ideal spot, fulfilling all requirements, was found in Theodore Wirth Park (then known as Glenwood Park), the largest park area in Minneapolis, and one interspersed with hills and valleys and possessed of great natural beauty. To the original tract comprising about three acres, additional area was added from time to time, until at present the garden totals thirteen acres.

Early in April 1907, the wild flower garden was installed without any ceremony, except the taking of a census of the indigenous flora and the introducing at once of a number of varieties.

Until 1911, the garden was cared for by the botany teachers as a labor of love, without compensation. In 1911 Miss Eloise Butler, upon retiring as botany teacher in our public schools, was made full-time curator, a position she occupied until April 10, 1933, at which time she passed away in her beloved garden.

On June 19, 1929, the wild flower reserve was named "The Eloise Butler Wild Flower Garden" in recognition of Miss Butler's efforts to create the garden and of her service as its first curator.

Upon Miss Butler's passing in 1933 at the age of 82 years, Mrs. Martha Crone became curator, a position she still fills at this writing (1951). She was quite familiar with the garden and its service to the community, having assisted Miss Butler in her duties some fifteen years or more.

On May 5, 1933, members of the Board of Park Commissioners, together with approximately a hundred friends and former students of Miss Butler, gathered at the Wild Flower Garden to pay tribute to the memory of its founder. The Honorable Alfred F. Pillsbury, President of the Board at that time, was the principal speaker. An oak tree was planted in memory of Miss Butler and her ashes were strewn upon the area nearby. Theodore Wirth, General Superintendent of Parks, suggested that a year hence a bronze tablet, to be contributed by her friends, be placed on a boulder near the tree to perpetuate the dedication.

On May 4 of the following year, the bronze tablet was placed and dedicated, reading as follows:

IN LOVING MEMORY OF
ELOISE BUTLER
1851 - 1933

TEACHER OF BOTANY IN MINNEAPOLIS SCHOOLS
FOUNDER AND FIRST CURATOR OF THIS
NATIVE PLANT RESERVE

This oak has been planted and this
tablet erected by a grateful public

To this sequestered glen Miss Butler gathered from all sections of
our state specimens of its beautiful native plants and tended them with
patient care. This priceless garden is our heritage from her and its
continued preservation a living testimony of our appreciation. Here her
ashes are scattered and here her protective spirit lingers.

The ups and downs of the garden have been many. The cyclones of 1926
and 1927 left great destruction. It was during these storms that the majestic
white oak, often estimated to be 700 years old, was destroyed, and most of the
tamaracks were uprooted.

During the unprecedented drought of 1934 and 1935, a large percentage of
the plants disappeared, so that in the years following a complete re-establishment
of much of the flora was necessary. Up to 1951, the present curator, Martha Crone,
has set out in the garden some 42,500 plants.

The original plan of the garden has been greatly changed. When it was
established in 1907, the population of Minneapolis was only 300,000. Large attend-
ance was not encouraged, since only two narrow footpaths led through the garden,
which could accommodate very few -- and it has always been deemed inadvisable for
visitors to roan at will. Now that the city had more than doubled its population,
it was found necessary to widen the trails considerably, to gravel them, and extend
the walks to all parts of the garden, winding gracefully through the glen, the
swamp, and over the hills.

The original plan of allowing plants to grow at will after they were once
established, and without restraint, soon proved disastrous. Several easy-growing
varieties spread very rapidly and soon shaded out some of the more desirable plants.
An attempt was made to check them, but with limited help, this proved to be a
problem.

On a knoll above the swamp and near the south entrance, there is a small
building used as an office by the curator, and there are also several smaller
shelters for storage of tools and supplies.

In 1917 a huge boulder was hauled into the garden and the top chiseled
out on four levels for a bird-bath, and here great numbers of birds congregate.

In 1926 the garden area was surrounded by a fence, to give better pro-
tection against vandalism. This fence was replaced by a more permanent installation
in 1939.

Minnesota has a flora of wide range, the state extending 600 miles from the Canadian border on the north to Iowa on the south, and 300 miles from the Dakota border on the west to Wisconsin on the east. Included are plants from the forests, the prairies, as well as the Alpine region. Varying soil conditions with moisture and light exposure to satisfy the most fastidious can be met with in the garden to provide the needs of all of these plants.

The admirable location of the garden and the topography of the area, consisting of morainic hills commanding widespread views with intervening valleys, ponds, and bogs, are ideal. Three sizable pools were created by excavation in one of the bogs. A spring drains into another pool which was formed by a dam across a brook. Aquatic plants of various types have been introduced into the pools.

Exclusive of mosses, algae, and fungi, the garden now contains over 1,000 species. Ten species of ferns were indigenous; now there are fifty. Even if a plant lives and thrives, it must be remembered that the life of each individual plant is limited. The span of life for some is very short, others many years. It is therefore quite understandable why a constant replanting must be carried on year after year to maintain a sufficient supply of native plants for educational purposes, to preserve the indigenous flora, and to introduce flora from other regions for the benefit of students of botany and lovers of wild life.

The small percentage of plants that have refused to flourish are faithfully planted again and again until success is finally reached. One of these is the very elusive fringed gentian (*Gentiana crinita* and *procera*) which is one of the last to bloom in late fall; and another is the trailing arbutus (*Epigaea repens*) considered the loveliest flower of early spring and one of exquisite fragrance. Both are extremely difficult to cultivate, but after much painstaking effort over a period of at least fifteen years, they have been brought under successful cultivation.

A novel plan undertaken several years ago has proven very successful -- that of experimenting with plants such as azalea, rhododendron, mountain laurel, and various trilliums. The yellow trillium, which is at home only in the Smokies, is not only well established, but is spreading freely. The others have survived four winters and have bloomed beautifully.

THE UPLAND GARDEN

For many years a real need was felt for more space for prairie and upland plants. This need was finally fulfilled in 1944 when, through the generous assistance of a friend of the garden, Mr. C. M. Odell, a tract east of the garden was enclosed with a fence similar to the one already in existence. During mid-summer when the spring flowers have gone and the shade of the woodland is so dense that few plants bloom there, then it is that the prairie and upland garden comes into its own. This tract consists of gently rolling hills and prairie, and is fully 75 feet higher than the woodland garden. The contrast is all the more striking between the upland and the woodland gardens, since they are so closely allied.

It was first necessary to remove the thick growth of sumac which covered the greater portion of this new addition, and several years of persistent digging and cutting were required for its ultimate extermination. Quack grass and ragweed were two other pests that had infested the area.

Further development consisted of laying out, grading, and graveling the trails that extend to all parts of the garden for fully a half mile, winding gracefully around and over the hills -- around the hills for those who do not wish to ascend the slopes.

The over-all plan of development for the upland garden was designed so as to include all of the flora of prairie and upland hills. Here has been brought together vegetation which varies markedly from that of the woodland and bog. In this upland area, plants thrive best which require full sunshine, such as lupine, cactus, penstemon, ground plum, puccoon, bird's-foot violets, coneflowers, and others.

From early spring to freeze-up time in the late fall, a pageant of flowers passes into view. The pasque-flower opens the season, closely followed by prairie crowfoot, purple avens, various violets, and many others. The goldenrods and blue and white asters close the season with a dramatic harmony of contrasting colors, rendering the garden to fairly glow with loveliness. The beauty of the landscape is enhanced by a few scattered, wide-spreading oak trees, both white and red that vie with each other in producing glorious autumnal foliage.

In addition to the plants native to Minnesota, a number representative of other states have been introduced and are flourishing, such as the bitter-root from Montana, a number of species of penstemon from various parts of the west, and many others.

The Eloise Butler Wild Flower Garden is famed for the great number of wild flowers flourishing in so small an area. Nowhere else of equal accessibility has Nature provided the necessary combination of rich woods soil in the woodland area, moisture in the bog, and sand and loam in the sunny prairie garden.

The undertaking in establishing the garden was a real challenge, inspiring a great determination to succeed, for in the cultivation of wild plants, many problems are met, some of which respond satisfactorily, while others require considerable patience and intelligent care in handling. To offset the years of drought, a steady supply of water is most essential. This was realized and a water system installed in 1947, connecting with the main on Chestnut and Xerxes Avenue North.

This bit of wilderness where the beauty of Nature's touch is everywhere, is well worth visiting. It is conveniently reached by automobile, as well as by public transportation, and is less than ten minutes drive from the city. A fine view of the towering buildings of a busy metropolis can be had from the upland garden.

A list of plants that grow in the garden is attached.

FLOWERING PLANTS, TREES, SHRUBS, AND FERNS
GROWING IN THE
ELOISE BUTLER WILD FLOWER GARDEN
AT THEODORE WIRTH PARK
MINNEAPOLIS, MINNESOTA

VIOLET FAMILY

1. American Dog Violet (*Viola conspersa*)
2. Arrow-leaved Violet (*Viola sagittata*)
3. Bird's foot Violet (*Viola pedata*)
4. Bird's foot Violet (*Viola pedata bicol-*
or)
5. Canada Violet (*Viola canadensis*)
6. Downy Yellow Violet (*Viola pubescens*)
7. Fringed Violet (*Viola fimbriatula*)
8. Hand-leaf Violet (*Viola palmata*)
9. Hooded Blue Violet (*Viola papilionacea*)
10. Hooked Violet (*Viola adunca*)
11. Kidney-leaved Violet (*Viola renifolia*)
12. Lance-leaved Violet (*Viola lanceolata*)
13. Marsh Blue Violet (*Viola cucullata*)
14. Missouri Violet (*Viola missouriensis*)
15. Northern White Violet (*Viola pallens*)
16. Prairie Violet (*Viola pedatifida*)
17. Primrose-leaved Violet (*Viola primul-*
ifolia)
18. Round-leaved Yellow Violet (*Viola rotundifolia*)
19. Sand Violet (*Viola subvestita*)
20. Sweet White Violet (*Viola blanda*)
21. Tall-stemmed White Violet (*Viola rugulosa*)
22. Woolly Blue Violet (*Viola sororia*)
23. Yellow Prairie Violet (*Viola Nuttallii*)

LILY FAMILY

24. Drooping Trillium (*Trillium flexipes*)
25. Large-flowered Trillium (*Trillium grandiflorum*)
26. Nodding Trillium (*Trillium cernuum*)
27. Purple Trillium (*Trillium erectum*)
28. Painted Trillium (*Trillium undulatum*)
29. Recurved Trillium (*Trillium recurvatum*)
30. Rose Trillium (*Trillium stylosum*)
31. Sessile-flowered Trillium (*Trillium sessile*)
32. Snow Trillium (*Trillium nivale*)
33. Western Trillium (*Trillium ovatum*)
34. Yellow Trillium (*Trillium luteum*)
35. Turk's cap Lily (*Lilium michiganense*)
36. Canada Lily (*Lilium canadense*)
37. Wood Lily (*Lilium philadelphicum*)

LILY FAMILY (Continued)

38. Yellow Day-Lily (*Hemerocallis flava*)
39. Orange Day-Lily (*Hemerocallis fulva*)
40. False Lily-of-the-Valley (*Maianthemum canadense*)
41. Sessile-leaved Bellwort (*Oakesia sessilifolia*)
42. Large-flowered Bellwort (*Uvularia grandiflora*)
43. Giant Solomon's Seal (*Polygonatum canaliculatum*)
44. Hairy Solomon's Seal (*Polygonatum pubescens*)
45. False Solomon's Seal (*Smilacina racemosa*)
46. Star-flowered Solomon's Seal (*Smilacina stellata*)
47. Three-leaved Solomon's Seal (*Smilacina trifolia*)
48. Carrion-flower (*Smilax ecirrhata*)
49. Prickly Green Brier (*Smilax hispida*)
50. Twisted-stalk (*Streptopus amplexifolius*)
51. Sessile-leaved Twisted-stalk (*Streptopus longipes*)
52. Death Camass (*Zigadenus elegans*)
53. White Camass (*Zigadenus glaucus*)
54. Meadow Garlic (*Allium canadense*)
55. Wild Leek (*Allium tricoccum*)
56. Rush-garlic (*Allium Schoenoprasum*)
57. Wild Onion (*Allium cernuum*)
58. Asparagus (*Asparagus officinalis*)
59. Yellow Clintonia (*Clintonia borealis*)
60. Trout-lily, White (*Erythronium albidum*)
61. Yellow Trout-lily (*Erythronium americanum*)
62. Minnesota Trout-lily (*Erythronium propullans*)

LILY FAMILY (Continued)

63. Indian Cucumber-root (*Medeola Virginiana*)
 64. False Hellebore (*Veratrum viride*)
 65. Grape-Hyacinth (*Muscari Botryoides*)
 66. Wild Hyacinth (*Quamashia esculenta*)

AMARYLLIS FAMILY

67. Yellow Star Grass (*Hypoxis hirsuta*)

YAM FAMILY

68. Wild Yam-root (*Dioscorea villosa*)

IRIS FAMILY

69. Yellow Flag (*Iris Pseudacorus*)
 70. Blue Flag (*Iris versicolor*)
 71. Crested Iris (*Iris cristata*)
 72. Stout Blue-eyed Grass (*Sisyrinchium angustifolium*)
 73. Prairie Blue-eyed Grass (*Sisyrinchium campestre*)

ORCHID FAMILY

74. Adam-and-Eve (*Aplectrum hyemale*)
 75. Arethusa (*Arethusa bulbosa*)
 76. Grass Pink (*Calopogon pulchellus*)
 77. Fairy Slipper (*Calypso bulbosa*)
 78. Spotted Coral Root (*Corallorrhiza maculata*)
 79. Early Coral Root (*Corallorrhiza trifida*)
 80. Stemless Lady's-slipper (*Cypripedium acaule*)
 81. Ram's-head Lady's-slipper (*Cypripedium arietinum*)
 82. Small Yellow Lady's-slipper (*Cypripedium Calceolus var. parviflorum*)
 83. Large Yellow Lady's-slipper (*Cypripedium Calceolus var. pubescens*)
 84. White Lady's-slipper (*Cypripedium candidum*)
 85. Showy Lady's-slipper (*Cypripedium reginae*)
 86. Downy Rattlesnake Plantain (*Goodyera pubescens*)
 87. Lesser Rattlesnake Plantain (*Goodyera*

ORCHID FAMILY (Continued)

88. Tall Leafy Green Orchis (*Habenaria hyperborea*)
 89. Ragged Orchis (*Habenaria lacera*)
 90. Purple Fringed Orchis (*Habenaria psychodes*)
 91. Yellow Fringed Orchis (*Habenaria ciliaris*)
 92. Little Club-spur Orchis (*Habenaria Clavellata*)
 93. Twayblade (*Liparis Loeselii*)
 94. Green Adder's Mouth; Fens Orchis (*Malaxis unifolia*)
 95. Showy Orchis (*Orchis spectabilis*)
 96. Rose Pogonia (*Pogonia ophioglossoides*)

97. Nodding Ladies' Tresses (*Spiranthes cernua*)
 98. Hooded Ladies' Tresses (*Spiranthes Romanzoffiana*)

WAX-MYRTLE FAMILY

99. Sweet Fern (*Comptonia peregrina*)
 100. Sweet Gale (*Nyricia Gale*)

MULBERRY FAMILY

101. Hemp (*Cannabis sativa*)
 102. American Hop-vine (*Humulus americanus*)

NETTLE FAMILY

103. Wood Nettle (*Laportea canadensis*)
 104. Richweed (*Pilea pumila*)
 105. Slender Wild Nettle (*Urtica gracilis*)
 106. Stinging Nettle (*Urtica dioica*)

SANDALWOOD FAMILY

107. Northern Comandra (*Comandra lividum*)
 108. Bastard Toad-flax (*Comandra umbellata*)

BIRTHWORT FAMILY

109. Wild Ginger (*Asarum canadense*)
 110. Dutchman's Pipe (*Aristolochia macrophylla*)

BUCKWHEAT FAMILY

111. Coast Jointweed (*Polygonella articulata*)
 112. Halberd-leaved Tear-thumb (*Polygonum arifolium*)
 113. Common Knotweed (*Polygonum aviculare*)
 114. Black Bindweed (*Polygonum Convolvulus*)
 114. Water Pepper (*Polygonum Hydropiper*)
 115. Dock-leaved Smartweed (*Polygonum lapathifolium*)
 116. Lady's Thumb (*Polygonum Persicaria*)
 117. Arrow-leaved Tear-thumb (*Polygonum sagittatum*)
 118. Climbing False Buckwheat (*Polygonum scandens*)

 119. Sheep Sorrel (*Rumex Acetosella*)
 120. Curled Dock (*Rumex crispus*)
 121. Great Water Dock (*Rumex orbiculatus*)

GOOSEFOOT FAMILY

122. Lamb's Quarters (*Chenopodium album*)
 123. Strawberry Blite (*Chenopodium capitatum*)
 124. Maple-leaved Goosefoot (*Chenopodium gigantospermum*)
 125. Winged Pigweed (*Cycloloma atriplicifolium*)

AMARANTH FAMILY

126. Tumble-weed (*Amaranthus albus*)
 127. Prairie Froelichia (*Froelichia floridana*)

FOUR-O'CLOCK FAMILY

128. Hairy Umbrella-wort (*Allionia hirsuta*)
 129. Heart-leaved Umbrella-wort (*Allionia nyctaginea*)

CARPET-WEED FAMILY

130. Carpet-weed (*Mollugo verticillata*)

PURSLANE FAMILY

131. Spring Beauty, Carolina (*Claytonia caroliniana*)
 132. Virginia Spring Beauty (*Claytonia virginica*)

 133. Purslane (*Portulaca oleracea*)

PURSLANE FAMILY (Continued)

134. Small-flowered Talinum (*Talinum parviflorum*)
 135. Prairie Talinum (*Talinum rugospermum*)
 136. Bitterroot (*Lewisia rediviva*)

PINK FAMILY

137. Corn Cockle (*Agrostemma Githago*)
 138. Thyme-leaved Sandwort (*Arenaria serpyllifolia*)
 139. Blunt-leaved Sandwort (*Arenaria lateriflora*)

 140. Field Chickweed (*Cerastium arvense*)
 141. Larger Mouse-ear Chickweed (*Cerastium vulgatum*)

 142. Low Gypsophila (*Gypsophila muralis*)

143. White Campion (*Lychnis alba*)
 144. Maltese Cross (*Lychnis chalcedonica*)
 145. Bouncing Bet (*Saponaria officinalis*)

 146. Starry Campion (*Silene stellata*)
 147. Bladder Campion (*Silene latifolia*)
 148. Fire Pink (*Silene virginica*)
 149. Sleepy Catchfly (*Silene antirrhina*)

150. Common Chickweed (*Stellaria media*)

WATER LILY FAMILY

151. American Lotus (*Nelumbo pentapetala*)
 152. Small Yellow Pond Lily (*Nuphar microphyllum*)
 153. Large Yellow Pond Lily (*Nuphar variegatum*)

154. Large Water Lily (*Nymphaea tuberosa*)
 155. Sweet-scented White Water Lily (*Nymphaea odorata*)

HORNWORT FAMILY

156. Hornwort; Coontail (*Ceratophyllum demersum*)

CROWFOOT FAMILY

157. White Baneberry (*Actaea alba*)

CROWFOOT FAMILY (Continued)

158. Red Baneberry (*Actaea rubra*)
 159. Canada Anemone (*Anemone canadensis*)
 160. Carolina Anemone (*Anemone caroliniana*)
 161. Long-fruited Anemone; Thimble Weed
 (*Anemone cylindrica*)
 162. Wood Anemone (*Anemone quinquefolia*)
 163. Pasque-flower (*Anemone patens*)
 164. Large White Anemone (*Anemone syl-
 vestris*)
 165. Rue Anemone (*Anemonella thalictroides*)
 166. Wild Columbine (*Aquilegia canadensis*)
 167. Marsh Marigold (*Caltha palustris*)
 168. Purple Virgin's Bower (*Clematis
 verticillaris*)
 169. Virginia Virgin's Bower (*Clematis
 virginiana*)
 170. Goldthread (*Coptis groenlandica*).
 171. Prairie Larkspur (*Delphinium
 virescens*)
 172. Sharp-lobed Hepatica (*Hepatica
 acutiloba*)
 173. Round-lobed Hepatica (*Hepatica
 americana*)
 174. Golden Seal (*Hydrastis canadensis*)
 175. False Rue Anemone (*Isopyrum
 biternatum*)
 176. Glabe-flower (*Trollius ledebourii*)
 177. Tall Meadow Rue (*Thalictrum dasy-
 carpum*)
 178. Early Meadow Rue (*Thalictrum dioicum*)
 179. Yellow Meadow Rue (*Thalictrum glaucum*)
 180. Small-flowered Buttercup (*Ranunculus
 abortivus*)

BARBERRY FAMILY

186. Blue Cohosh (*Caulophyllum thalic-
 troides*)
 187. May Apple (*Podophyllum peltatum*)

MOONSEED FAMILY

188. Canada Moonseed (*Menispermum cana-
 dense*)

POPPY FAMILY

189. Bloodroot (*Sanguinaria canadensis*)

FUMITORY FAMILY

190. Golden Corydalis (*Corydalis aurea*)
 191. Pink Corydalis (*semperflorens*)
 192. Squirrel Corn (*Dicentra canadensis*)
 193. Dutchman's Breeches (*Dicentra
 Cucullaria*)

MUSTARD FAMILY

194. Lyre-leaved Rock Cress (*Arabis lyrata*)
 195. Yellow Rocket (*Barbarea vulgaris*)
 196. Hoary Alyssum (*Berteroa incana*)
 197. Black Mustard (*Brassica nigra*)
 198. Shepherd's Purse (*Capsella Bursa-
 pastoris*)
 199. Bulbous Cress (*Cardamine bulbosa*)
 200. Cut-leaved Toothwort (*Dentaria
 laciniata*)
 201. Two-leaved Toothwort (*Dentaria
 diphylla*)
 202. Whitlow-grass (*Draba azoides*)
 203. Prairie Rocket; Yellow Phlox (*Erysimum
 asperum*)
 204. Dame's Rocket (*Hesperis matronalis*)
 205. Water Cress (*Nasturtium officinale*)

CAPER FAMILY

206. Clammyweed (*Polanisia graveolens*)
 207. Pitcher Plant (*Sarracenia purpurea*)
 208. Round-leaved Sundew (*Drosera rotundi-
 folia*)

ORPINE FAMILY

209. Orpine; Live-forever (*Sedum teleph-
 ium*)

SAXIFRAGE FAMILY

210. Alum Root (*Heuchera americana*)

211. Two-leaved Bishop's Cap (*Mitella
 diphylla*)

SAXIFRAGE FAMILY (Continued)

212. Naked Bishop's Cap (*Mitella nuda*)
 213. Marsh Grass of Parnassus (*Parnassia palustris*)
 214. Snowplume (*Astilbe biternata*)
 215. Swamp Saxifrage (*Saxifrage pennsylvanica*)
 216. Foam-flower (*Tiarella cordifolia*)

WITCH HAZEL FAMILY

217. Witch Hazel (*Hamamelis virginiana*)

ROSE FAMILY

218. Tall Hairy Agrimony (*Agrimonia gryposepala*)

219. Meadow-Queen (*Filipendula Ulmaria*)

220. American Wood Strawberry (*Fragaria Americana*)

221. Virginia Strawberry (*Fragaria virginiana*)

222. Long-plumed Purple Avens (*Geum triflorum*)

223. White Avens (*Geum canadense*)

224. Yellow Avens (*Geum strictum*)

225. Water Avens (purple) (*Geum rivale*)

226. Silvery Cinquefoil (*Potentilla argentea*)

227. Silverweed (*Potentilla Anserina*)

228. Branched Cinquefoil (*Potentilla effusa*)

229. Shrubby Cinquefoil (*Potentilla fruticosa*)

230. Rough Cinquefoil (*Potentilla hirsuta*)

231. Bushy Cinquefoil (*Potentilla paradoxoa*)

232. Rough-fruited Cinquefoil (*Potentilla recta*)

233. Diffuse Cinquefoil (*Potentilla rivalis*)

234. Decumbent Five-finger (*Potentilla simplex*)

235. Three-toothed Cinquefoil (*Potentilla tridentata*)

236. Common Cinquefoil (*Potentilla canadensis*)
 237. Narrow-leaved Meadow Sweet (*Spiraea alba*)
 238. Hardhack; Steeple Bush (*Spiraea tomentosa*)

PULSE FAMILY

239. Lead-plant (*Amorpha canescens*)

240. Fragrant False Indigo (*Amorpha nana*)

241. Hog Pea-nut (*Amphicarpa bracteata*)

242. Wild Bean; Groundnut (*Apios americana*)

243. Ground Plum (*Astragalus crassicarpus*)

244. Flexile Milk Vetch (*Astragalus flexucus*)

245. Purple Milk Vetch (*Astragalus goniatus*)

246. Large White Wild Indigo (*Baptisia leucantha*)

247. Yellow Wild Indigo (*Baptisia tinctoria*)

248. Blue Wild Indigo (*Baptisia australis*)

249. Partridge Pea (*Cassia fasciculata*)

250. Rattle-box (*Crotalaria sagittalis*)

251. Large-bracted Tick-trefoil (*Desmodium bracteosum*)

252. Canadian Tick-trefoil (*Desmodium canadense*)

253. Pointed-leaved Tick-trefoil (*Desmodium glutinosum*)

254. Pale Vetchling (*Lathyrus ochroleucus*)

255. Round-headed Bush-clover (*Lespedeza capitata*)

256. Prairie Bird's-foot Trefoil (*Lotus americanus*)

257. Lupine (*Lupinus perennis*)

258. Hop Clover (*Medicago lupulina*)

PULSE FAMILY (Continued)

259. White Sweet Clover (*Melilotus alba*)
 260. Yellow Sweet Clover (*Melilotus officinalis*)
 261. White Prairie Clover (*Petalostemum candidum*)
 262. Purple Prairie Clover (*Petalostemum purpureum*)
 263. Pink Prairie Clover (*Petalostemum fillosum*)
 264. Silver-leaved Psoralea (*Psoralea argophylla*)
 265. Prairie Turnip (*Psoralea esculenta*)
 266. Trailing Wild Bean (*Strophostyles helvola*)
 267. Rabbit-foot Clover (*Trifolium arvense*)
 268. Alsike Clover (*Trifolium hybridum*)
 269. Red Clover (*Trifolium pratense*)
 270. White Clover (*Trifolium repens*)
 271. American Vetch (*Vicia americana*)
 272. Common Vetch (*Vicia sativa*)

GERANIUM FAMILY

273. Wild Geranium (*Geranium maculatum*)

WOOD-SORREL FAMILY

274. Violet Wood-sorrel (*Oxalis violacea*)
 275. Yellow Wood-sorrel (*Oxalis Bushii*)
 276. Upright Yellow Wood-sorrel (*Oxalis stricta*)
 277. True Wood-sorrel (*Oxalis Acetosella*)

MILKWORT FAMILY

278. Cross-leaved Milkwort (*Polygala cruciata*)
 279. Fringed Milkwort (*Polygala paucifolia*)
 280. Racemed Milkwort (*Polygala polygama*)
 281. Purple Milkwort (*Polygala sanguinea*)
 282. Seneca Snake-root (*Polygala latifolia*)
 283. Whorled Milkwort (*Polygala verticillata*)

SPURGE FAMILY

284. Three-seeded Mercury (*Acalypha rhombooides*)
 285. Flowering Spurge (*Euphorbia carolinata*)
 286. Geyer's Spurge (*Euphorbia Geyeri*)
 287. Wild Poinsettia (*Poinsettia heterophylla*)

JEWELWEED FAMILY

288. Spotted Touch-me-not (*Impatiens biflora*)
 289. Pale Touch-me-not (*Impatiens pallida*)

BUCKTHORN FAMILY

290. New Jersey Tea (*Ceanothus americanus*)

MALLOW FAMILY

291. Flower-of-an-hour (*Hibiscus Trionum*)
 292. Common Mallow; Cheeses (*Malva rotundifolia*)

ST. JOHN'S-WORT FAMILY

293. Great St.John's-wort (*Hypericum Ascyron*)
 294. Common St.John's-wort (*Hypericum perforatum*)
 295. Marsh St.John's-wort (*Hypericum virginicum*)
 296. Orange Grass (*Hypericum gentianoides*)
 297. Shrubby St.John's-wort (*Hypericum spathulatum*)

ROCK-ROSE FAMILY

298. Frostweed (*Helianthemum canadense*)
 299. False Heather (*Hudsonia tomentosa*)
 300. Prairie Pin-weed (*Lechea stricta*)

CACTUS FAMILY

301. Nipple Cactus (*Mamillaria vivipara*)
 302. Prickly Pear (*Opuntia fragilis*)
 303. Western Prickly Pear (*Opuntia humifusa*)

LOOSESTRIFE FAMILY

304. Swamp Willow-herb (*Decodon verticillatus*)
 305. Wing-angled Loosestrife (*Lythrum alatum*)
 306. Purple Loosestrife (*Lythrum Salicaria*)

EVENING PRIMROSE FAMILY

307. Small Enchanter's Nightshade (*Circaea alpina*)
 308. Enchanter's Nightshade (*Circaea canadensis*)
 309. Fireweed (*Epilobium angustifolium*)
 310. Marsh Willow-herb (*Epilobium palustre*)
 311. Downy Willow-herb (*Epilobium strictum*)
 312. Common Evening-primrose (*Oenothera biennis*)
 313. Rhombic Evening Primrose (*Oenothera rhombipetala*)
 314. Western Evening Primrose (*Oenothera caespitosa*)
 315. Meadow Sundrops (*Oenothera pratensis*)

WATER-MILFOIL FAMILY

316. Marc's-tail (*Hippuris vulgaris*)
 317. Loose-flowered Water-milfoil (*Myriophyllum alterniflorum*)
 318. Whorled Water-milfoil (*Myriophyllum verticillatum*)

GINSENG FAMILY

319. Bristly Sarsaparilla (*Aralia hispida*)
 320. Wild Sarsaparilla (*Aralia nudicaulis*)
 321. American Spikenard (*Aralia racemosa*)
 322. Ginseng (*Panax quinquefolium*)
 323. Dwarf Ginseng (*Panax trifolium*)

PARSLEY FAMILY

324. Harbinger-of-Spring (*Erigenia bulbosa*)
 325. Hairy Angelica (*Angelica atropurpurea*)
 326. Water Hemlock (*Cicuta maculata*)
 327. Honewort (*Cryptotaenia canadensis*)
 328. Wild Carrot (*Daucus Carota*)
 329. Rattlesnake-master (*Eryngium yuccae-folium*)
 330. Cow Parsnip (*Heracleum lanatum*)

331. Woolly Sweet Cicely (*Osmorhiza Claytoni*)
 332. Smoother Sweet Cicely (*Osmorhiza longistylis*)
 333. Wild Parsnip (*Pastinaca sativa*)
 334. Black Snakeroot (*Sanicula marilandica*)
 335. Short-styled Snakeroot (*Sanicula canadensis*)
 336. Golden Alexanders (*Zizia aurea*)
 337. Heart-leaved Alexanders (*Zizia aptera*)

SHIN-LEAF FAMILY

338. Prince's Pine; Pipsissewa (*Chimaphila Umbellata*)
 339. One-flowered Pyrola (*Moneses uniflora*)
 340. Indian Pipe (*Monotropa uniflora*)
 341. American Round-leaved Pyrola (*Pyrola rotundifolia* var. *americana*)
 342. Pink-flowered Pyrola (*Pyrola asarifolia*)
 343. One-sided Pyrola (*Pyrola secunda*)
 344. Shin-leaf (*Pyrola elliptica*)

HEATH FAMILY

345. Bog Rosemary (*Andromeda glauco-phylla*)
 346. Bearberry (*Arctostaphylos Uva-ursi*)
 347. Leather-leaf (*Chamaedaphne calyculata*)

HEATH FAMILY (Continued)

348. Creeping Snowberry (*Chiogenes hispidula*)
 349. Trailing Arbutus (*Epigaea repens*)
 350. Aromatic Wintergreen (*Gaultheria procumbens*)
 351. Huckleberry (*Gaylussacia baccata*)
 352. Swamp Laurel (*Kalmia polifolia*)
 353. Mountain Laurel (*Kalmia latifolia*)
 354. Labrador Tea (*Ledum groenlandicum*)
 355. Large Cranberry (*Vaccinium macrocarpon*)
 356. Small Cranberry (*Vaccinium Oxyccoccus*)
 357. Mountain Cranberry (*Vaccinium Vitis-Idaea*)
 358. Canadian Blueberry (*Vaccinium canadense*)
 359. Early or Low-bush Blueberry
 (*Vaccinium augustifolium*)

PRIMROSE FAMILY

360. Shooting Star (*Dodecatheon amethystinum*)
 361. Shooting Star (*Dodecatheon meadia*)
 362. Moneywort (*Lysimachia Nummularia*)
 363. Tufted Loosestrife (*Lysimachia thyrsiflora*)
 364. Swamp-candies (*Lysimachia terrestris*)
 365. Dwarf Canadian Primrose (*Primula mistassinica*)
 366. Fringed Loosestrife (*Steironema ciliatum*)
 367. Whorled Loosestrife (*Steironema verticillatum*)
 368. Star-flower (*Trientalis borealis*)

GENTIAN FAMILY

369. Bottle Gentian (*Gentiana clausa*)
 370. Fringed Gentian (*Gentiana crinita*)
 371. Smaller Fringed Gentian (*Gentiana procera*)
 372. Downy Gentian (*Gentiana puberula*)
 373. Narrow-leaved Gentian (*Gentiana rubricaulis*)

BUCKBEAN FAMILY

374. Buckbean (*Menyanthes trifoliata*)

DOGBANE FAMILY

375. Spreading Dogbane (*Apocynum androsaemifolium*)
 376. Creeping Myrtle (*Vinca minor*)

MILKWEED FAMILY

377. Woolly Milkweed (*Acerates lanuginosa*)
 378. Blunt-leaved Milkweed (*Asclepias amplexicaulis*)
 379. Swamp Milkweed (*Asclepias Incarnata*)
 380. Poke Milkweed (*Asclepias phytoclaccoides*)
 381. Common Milkweed (*Asclepias syriaca*)
 382. Whorled Milkweed (*Asclepias verticillata*)
 383. Butterfly-weed (*Asclepias tuberosa*)

MORNING-GLORY FAMILY

384. Small Bindweed (*Convolvulus arvensis*)
 385. Great Bindweed (*Convolvulus sepium*)
 386. Upright Bindweed (*Convolvulus spithameus*)
 387. Smartweed Dodder (*Cuscuta Polygonorum*)
 388. American Dodder (*Cuscuta glomerata*)
 389. Ivy-leaved Morning-glory (*Ipomoea hederacea*)
 390. Bush Morning-glory (*Ipomoea Leptophylla*)

PHLOX FAMILY

391. Red Rocket (*Gillis rubra*)
 392. Wild Blue Phlox (*Phlox divaricata*)
 393. Wild Sweet William (*Phlox maculata*)
 394. Prairie Phlox; Downy Phlox (*Phlox pilosa*)
 395. Moss Pink (*Phlox subulata*)
 396. Jacob's Ladder (*Polemonium reptans*)
 397. American Jacob's Ladder (*Polemonium coeruleum*)

WATER-LEAF FAMILY

398. Virginia Water-leaf (*Hydrophyllum virginianum*)
 399. Franklin's Phacelia (*Phacelia Franklinii*)

BORAGE FAMILY

400. Hound's-tongue (*Cynoglossum officinale*)
 401. Blue Weed (*Echium vulgare*)
 402. Virginia Stickseed (*Hackelia virginiana*)
 403. Nodding Stickseed (*Hackelia americana*)
 404. European Stickseed (*Lappula echinata*)
 405. Hoary Puccoon (*Lithospermum canescens*)
 406. Narrow-leaved Puccoon (*Lithospermum incisum*)
 407. Hairy Puccoon (*Lithospermum carolinense*)
 408. American Gromwell (*Lithospermum latifolium*)
 409. Virginia Bluebells (*Mertensia virginica*)
 410. Tall Lungwort (*Mertensia paniculata*)
 411. Western Bluebells (*Mertensia Oblongifolia*)
 412. Forget-me-not (*Myosotis scorpioides*)

VERVAIN FAMILY

413. Blue Vervain (*Verbena hastata*)
 414. Hoary Vervain (*Verbena stricta*)
 415. White Vervain (*Verbena urticifolia*)

MINT FAMILY

416. Fragrant Giant Hyssop (*Agastache anethiodora*)
 417. Catnip Giant Hyssop (*Agastache nepetoides*)
 418. Figwort Giant Hyssop (*Agastache scrophulariaeefolia*)
 419. American Pennyroyal (*Hedecoma pulegioides*)
 420. False Pennyroyal (*Isanthus brachiatus*)
 421. Motherwort (*Leonurus Cardiaca*)
 422. Bugle Weed (*Lycopus virginicus*)
 423. Northern Bugle Weed (*Lycopus uniflorus*)

MINT FAMILY (Continued)

424. Cut-leaved Water Horehound (*Lycopus americanus*)
 425. Common Horehound (*Marrubium vulgare*)
 426. American Wild Mint (*Mentha canadensis*)
 427. Wild Bergamot (*Monarda fistulosa*)
 428. American Bee Balm (*Monarda didyma*)
 429. Horse Mint (*Monarda punctata*)
 430. Ground Ivy (*Nepeta hederacea*)
 431. Obedient Plant (*Physostegia speciosa*)
 432. Heal-all (*Prunella vulgaris*)
 433. Virginia Mountain Mint (*Pycnanthemum virginianum*)
 434. Creeping Thyme (*Thymus serpyllum*)
 435. Wild Marjoram (*Origanum vulgare*)
 436. Marsh Skullcap (*Scutellaria epilobifolia*)
 436A. Mad-dog Skullcap (*Scutellaria lateriflora*)
 437. Small Skullcap (*Scutellaria parvula*)
 438. Rough Hedge Nettle (*Stachys aspera*)
 439. American Germander or Wood Sage (*Teucrium canadense*)
POTATO FAMILY
 440. Matrimony-vine (*Lycium halimifolium*)
 441. Prairie Ground Cherry (*Physalis lanceolata*)
 442. Clammy Ground Cherry (*Physalis heterophylla*)
 443. Virginia Ground Cherry (*Physalis virginiana*)
 444. Black Nightshade (*Solanum nigrum*)

FIGWORT FAMILY

445. Indian Paint-brush (*Castilleja coccinea*)
 446. Lance-leaved Painted Cup (*Castilleja pallida*)

FIGWORT FAMILY (Continued)

447. White Turtlehead (*Chelone glabra*)
 448. Red Turtlehead (*Chelone obliqua*)
 449. Large Purple Gerardia (*Gerardia purpurea*)
 450. Slender Gerardia (*Gerardia tenuifolia*)
 451. Butter-and-Eggs (*Linaria vulgaris*)
 452. Monkey Flower (*Mimulus ringens*)
 453. Wood Betany (*Pedicularis canadensis*)
 454. Swamp Lousewort (*Pedicularis lanceolata*)
 455. Large-flowered Beard-tongue (*Penstemon grandiflorus*)
 456. Slender Beard-tongue (*Penstemon gracilis*)
 457. Western White Penstemon (*Penstemon confertus*)
 458. Blue Western Penstemon (*Penstemon Caeruleinus*)
 459. Figwort (*Scrophularia lanceolata*)
 460. Bull Synthyris (*Synthyris Bullii*)
 461. Great Mullein (*Verbascum Thapsus*)
 462. American Brooklime (*Veronica americana*)
 463. Marsh Speedwell (*Veronica scutellata*)
 464. Culver's Root (*Veronicastrum virginicum*)

BLADDERWORT FAMILY

465. Common Butterwort (*Pinguicula vulgaris*)
 466. Greater Bladderwort (*Utricularia vulgaris* var. *americana*)

LOPSEED FAMILY

467. Lopseed (*Phryma leptostachya*)

TRUMPET - CREEPER FAMILY

468. Trumpet-flower (*Bigonia radicans*)

PLANTAIN FAMILY

469. Common Plantain (*Plantago major*)
 470. Pursh's Plantain (*Plantago Purshii*)

MADDER FAMILY

471. Partridge Berry (*Mitchella repens*)
 472. Cleavers (*Galium Aparine*)
 473. Rough Bedstraw (*Galium asprellum*)

MADDER FAMILY (Continued)

474. Northern Bedstraw (*Galium boreale*)
 475. Shining Bedstraw (*Galium concinnum*)
 476. Small Bedstraw (*Galium trifidum*)
 477. Long-leaved Houstonia (*Houstonia longifolia*)
 478. Bluets (*Houstonia caerulea*)

HONEYSUCKLE FAMILY

479. Bush Honeysuckle (*Diervilla Lonicera*)
 480. Twin-flower (*Linnaea borealis* var. *americana*)
 481. American Fly-honeysuckle (*Lonicera canadensis*)
 482. Glaucous Honeysuckle (*Lonicera dioica*)
 483. Hairy Honeysuckle (*Lonicera hirsuta*)
 484. Tartarian Honeysuckle (*Lonicera tatarica*)
 485. Mountain Fly-honeysuckle (*Lonicera villosa*)
 486. Scarlet-fruited Horse-Gentian (*Triosteum aurantiacum*)

MOSCHATEL FAMILY

487. Adoxa; Moschatel (*Adoxa Moschata*)

VALERIAN FAMILY

488. Edible Valerian (*Valeriana edulis*)

GOULD FAMILY

489. Wild Cucumber (*Echinocystis lobata*)
 490. Star Cucumber (*Sicyos angulatus*)

BLUEBELL FAMILY

491. Tall Bellflower (*Campanula americana*)
 492. Marsh Bellflower (*Campanula aparinoides*)
 493. Clustered Bellflower (*Campanula glomerata*)
 494. European Bellflower (*Campanula rapunculoides*)
 495. Harebell (*Campanula rotundifolia*)
 496. Blue Marsh Bellflower (*Campanula uliginosa*)
 497. Venus' Looking-glass (*Specularia perfoliata*)

LOBELIA FAMILY

498. Cardinal Flower (*Lobelia Cardinalis*)
 499. Great Blue Lobelia (*Lobelia siphilitica*)
 500. Pale Spiked Lobelia (*Lobelia spicata*)

COMPOSITE FAMILY

501. Woolly Yarrow (*Achillea lanulosa*)
 502. Yarrow; Milfoil (*Achillea Millefolium*)
 503. Prairie False Dandelion (*Agoseris cuspidata*)
 504. Common Ragweed (*Ambrosia elatior*)
 505. Great Ragweed (*Ambrosia trifida*)
 506. Pearly Everlasting (*Anaphalis margaritacea*)
 507. Canadian Everlasting (*Antennaria canadensis*)
 508. Plantain-leaved everlasting (*Antennaria plantaginifolia*)
 509. Prairie Everlasting (*Antennaria campestris*)
 510. Dog Fennel (*Anthemis Cotula*)
 511. Common Burdock (*Arctium minus*)
 512. Tall Wormwood (*Artemisia caudata*)
 513. Silky Wormwood (*Artemisia glauca*)
 514. Wormwood Sage (*Artemisia frigida*)
 515. Common Wormwood; Absinth (*Artemisia Absinthium*)
 516. Dark-leaved Mugwort (*Artemisia ludoviciana*)
 517. Common Mugwort (*Artemisia vulgaris*)
 518. Sky-blue Aster (*Aster Azureus*)
 519. Lindley's Aster (*Aster ciliolatus*)
 520. Blue Wood Aster (*Aster cordifolius*)
 521. Drummond's Aster (*Aster Drummondii*)
 522. White Heath Aster (*Aster ericoides*)
 523. Rush Aster (*Aster junciformis*)
 524. Smooth Aster (*Aster laevis*)
 525. Calico Aster; Hairy stemmed (*Aster lateriflorus*)
 526. Large-leaved Aster (*Aster macrophyllus*)
 527. Great Northern Aster (*Aster modestus*)
 528. New England Aster (*Aster novae-angliae*)
 529. Aromatic Aster (*Aster oblongifolius*)
 530. Paniced Aster (*Aster paniculatus*)
 531. Crooked-stemmed Aster (*Aster prenanthoides*)
 532. Upland White Aster (*Aster ptarmicoides*)
 533. Purple-stemmed Aster (*Aster puniceus*)
 534. Arrow-leaved Aster (*Aster sagittifolius*)
 535. Silky Aster (*Aster sericeus*)
 536. Flat-top White Aster (*Aster umbellatus*)
 537. Tradescant's Aster (*Aster Tradescanti*)
 538. Pringle's Aster (*Aster Pringlei*)
 539. Long-leaved Aster (*Aster longifolius*)
 540. New York Aster (*Aster Novi-belgii*)

COMPOSITE FAMILY (Continued)

541. Lowrie's Aster (*Aster Lowrieanus*)
 542. White Wreath Aster (*Aster multiflorus*)
 543. Alpine Aster (*Aster Alpinus*)
 544. Western Aster (*Aster meritus*)
 545. Nodding Bur Marigold (*Bidens cernua*)
 546. Swamp Beggar-ticks (*Bidens connata*)
 547. Boltonia (*Boltonia latisquama*)
 548. Pink Boltonia (*Boltonia sp.*)
 549. Narrow-leaved Purple Cone-flower (*Brauneria angustifolia*)
 550. Purple Cone-flower (*Brauneria purpurea*)
 551. Bachelor's Button; Knapweed (*Centaurea maculosa*)
 552. Hairy Golden Aster (*Chrysopsis villosa*)
 553. Chicory (*Cichorium Intybus*)
 554. Canada Thistle (*Cirsium arvense*)
 555. Field Thistle (*Cirsium discolor*)
 556. Bull Thistle (*Cirsium lanceolatum*)
 557. Swamp Thistle (*Cirsium muticum*)
 558. Hill's Thistle (*Cirsium Hillii*)
 559. Stiff Tickseed (*Coreopsis palmata*)
 560. Fire-weed, White (*Erechtites hieracifolia*)
 561. Daisy Fleabane (*Erigeron annuus*)
 562. Horse-weed (*Erigeron canadensis*)
 563. Rough Erigeron (*Erigeron glabellus*)
 564. Philadelphia Fleabane (*Erigeron philadelphicus*)
 565. Robin's Plantain (*Erigeron pulchellus*)
 566. Blue or Bitter Fleabane (*erigeron acris*)
 567. Joe-Pye Weed (*Eupatorium maculatum*)
 568. Common Boneset (*Eupatorium perfoliatum*)
 569. White Snakeroot (*Eupatorium rugosum*)
 570. Great-flowered Gaillardia (*Gaillardia aristata*)
 571. Hairy Galinsoga (*Galinsoga ciliata*)
 572. Clammy Cudweed (*Gnaphalium Macounii*)
 573. Gum-plant (*Grindelia squarrosa*)
 574. Sneezeweed (*Helenium autumnale*)
 575. Common Sunflower (*Helianthus annuus*)
 576. Giant Sunflower (*Helianthus giganteus*)
 577. Saw-tooth Sunflower (*Helianthus grosse-serratus*)
 578. Stiff-haired Sunflower (*Helianthus hirsutus*)

COMPOSITE FAMILY (Continued)

579. Maximilian's Sunflower (*Helianthus Maximiliani*)
 580. Prairie Sunflower (*Helianthus petiolaris*)
 581. Stiff Sunflower (*Helianthus rigidus*)
 582. Jerusalem Artichoke (*Helianthus tuberosus*)
 583. Rough or Woodland Sunflower
 (*Helianthus divaricatus*)
 584. Throatwort Sunflower (*Helianthus tracheliiifolius*)
 585. Sweet Ox-eye (*Heliopsis scabra*)
 586. Canada Hawkweed (*Hieracium canadense*)
 587. Long-bearded Hawkweed (*Hieracium longipilum*)
 588. False Boneset (*Kuhnia eupatoricoides*)
 589. Tall Blue Lettuce (*Lactuca biennis*)
 590. Wild Lettuce (*Lactuca canadensis*)
 591. Cylindric Blazing Star (*Liatris cylindracea*)
 592. Large-headed Blazing Star (*Liatris ligulistylis*)
 593. Dotted Blazing Star (*Liatris punctata*)
 594. Prairie Blazing Star (*Liatris pycnostachya*)
 595. Rosendahl's Blazing Star (*Liatris Rosendahlii*)
 596. Common Blazing Star (*Liatris sphaeroidea*)
 597. Dense Button Blazing Star (*Liatris spicata*)
 598. Blazing Star (*Liatris intermedia*)
 599. Rush-like Lygodesmia (*Lygodesmia juncea*)
 600. Pineapple Weed (*Matricaria matricarioides*)
 601. Rattlesnake-root (*Prenanthes alba*)
 602. Corymbed Rattlesnake-root
 (*Prenanthes crepidinea*)
 603. Glaucous Rattlesnake-root (*Prenanthes racemosa*)
 604. Long-headed Cone-flower (*Ratibida columnifera*)
 605. Gray-headed Cone-flower (*Ratibida pinnata*)
 606. Black-eyed Susan (*Rudbeckia hirta*)
 607. Thin-leaved Black-eyed Susan
 (*Rudbeckia triloba*)
 608. Goldenglow (*Rudbeckia Laciniata*)
 609. Golden Ragwort (*Scenecio aureus*)
 610. Compass-plant (*Silphium laciniatum*)
 611. Cup-plant (*Silphium perfoliatum*)
 612. Prairie Dock (*Silphium terebinthinaceum*)

COMPOSITE FAMILY (Continued)

613. Tall Goldenrod (*Solidago altissima*)
 614. Canada Goldenrod (*Solidago canadensis*)
 615. Zig-Zag Goldenrod (*Solidago flexicaulis*)
 616. Bushy Goldenrod (*Solidago graminifolia*)
 617. Early Goldenrod (*Solidago juncea*)
 618. Velvety Goldenrod (*Solidago mollis*)
 619. Gray Goldenrod (*Solidago nemoralis*)
 620. Riddell's Goldenrod (*Solidago Riddellii*)
 621. Stiff Goldenrod (*Solidago rigida*)
 622. Showy Goldenrod (*Solidago speciosa*)
 623. Bog Goldenrod (*Solidago uliginosa*)
 624. Elm-leaved Goldenrod (*Solidago ulmifolia*)
 625. Wreath Goldenrod (*Solidago caesia*)
 626. Spiny Sow Thistle (*Sonchus asper*)
 627. Tansy (*Tanacetum vulgare*)
 628. Dandelion (*Taraxacum palustre*)
 629. Yellow Goat's-beard (*Tragopogon pratensis*)
 630. Ironweed (*Vernonia fasciculata*)
 631. Beach Clotbur (*Xanthium echinatum*)

F E R N SADDER'S-TONGUE FAMILY

632. Leathery Grape Fern (*Botrychium multifidum*)
 633. Rattlesnake Fern (*Botrychium virginianum*)
 634. Ternate Grape Fern (*Botrychium dissectum f. obliquum*)

CINNAMON FERN FAMILY

635. Cinnamon Fern (*Osmunda cinnamomea*)
 636. Interrupted Fern (*Osmunda Claytonia*)
 637. Royal Fern (*Osmunda regalis*)

FERN FAMILY

638. Maidenhair Fern (*Adiantum pedatum*)
 639. Maidenhair Spleenwort (*Asplenium trichomanes*)
 640. Ebony Spleenwort (*Asplenium platyneuron*)
 641. Lady Fern (*Athyrium angustum*)

FERN FAMILY (Continued)

642. Narrow-leaved Spleenwort (*Athyrium pycnocarpon*)
 643. Silvery Spleenwort (*Athyrium thelypteroides*)
 644. Walking Fern (*Camptosorus rhizophyllus*)
 645. Bulblet Bladder Fern (*Cystopteris bulbifera*)
 646. Brittle Fern (*Cystopteris fragilis*)
 647. Crested Shield Fern (*Dryopteris cristata*)
 648. Clinton's Shield Fern (*Dryopteris*
var. *Clintoniana*)
 649. Northern Oak Fern (*Dryopteris Robertiana*)
 650. Fragrant Fern (*Dryopteris fragrans*)
 651. Goldie's Fern (*Dryopteris Goldiana*)
 652. Broad Beech Fern (*Dryopteris hexagonoptera*)
 653. Long Beech Fern (*Dryopteris Phegopteris*)
 654. Spinulose Shield Fern (*Dryopteris spinulosa*)
 655. Marsh Fern (*Dryopteris Thelypteris*)
 656. Marginal Shield Fern (*Dryopteris Marginalis*)
 657. New York Fern (*Dryopteris noveboracensis*)
 658. Male Fern (*Dryopteris Felix-mas*)
 659. Sensitive Fern (*Onoclea sensibilis*)
 660. Purple-stemmed Cliff Brake (*Pellaea atropurpurea*)
 661. Common Polypody (*Polypodium virginianum*)
 662. Ostrich Fern (*Pteretis pennsylvanica*)
 663. Bracken (*Pteridium aquilinum*)
 664. Smooth Woodsia (*Woodsia glabella*)
 665. Rusty Woodsia (*Woodsia ilvensis*)
 666. Blunt-lobed Woodsia (*Woodsia obtusa*)
 667. Christmas Fern (*Polystichum acrostichoides*)
 668. Braun's Holly Fern (*Polystichum Braunii*)
 669. Hay-scented Fern (*Dennstaedtia punctilobula*)
 670. Chain-Fern (*Woodwardia virginica*)

T R E E S A N D S H R U B SYEW FAMILY

671. American Yew (*Taxus canadensis*)

GINKGO FAMILY

672. Maiden-hair Tree (*Ginkgo biloba*)

PINE FAMILY

673. Balsam Fir (*Abies balsamea*)
 674. Tamarack (*Larix laricina*)
 675. White Spruce (*Picea glauca*)
 676. Black Spruce (*Picea mariana*)
 677. White Pine (*Pinus Strobus*)
 678. Hemlock (*Tsuga canadensis*)

CYPRESS FAMILY

679. Prostrate Juniper (*Juniperus communis*)
 680. Red Cedar (*Juniperus virginiana*)
 681. White Cedar; Arbor Vitae (*Thuja occidentalis*)

WILLOW FAMILY

682. Balsam Poplar (*Populus balsamifera*)
 683. Balm of Gilead (*Populus candicans*)
 684. Cottonwood (*Populus deltoides*)
 685. Large-toothed Aspen (*Populus grandidentata*)
 686. Quaking Aspen (*Populus tremuloides*)
 687. Peach-leaved Willow (*Salix amygdaloides*)
 688. Pussy Willow (*Salix discolor*)
 689. Prairie Willow (*Salix humilis*)

WALNUT FAMILY

690. Bitternut Hickory (*Carya cordiformis*)
 691. Shag-bark Hickory (*Carya ovata*)
 692. Butternut (*Juglans cinerea*)
 693. Black Walnut (*Juglans nigra*)

BIRCH FAMILY

694. Speckled Alder (*Alnus rugosa*)
 695. Yellow Birch (*Betula lutea*)
 696. Paper Birch (*Betula papyrifera*)
 697. Bog Birch (*Betula pumila*)

BIRCH FAMILY (Continued)

698. Blue Beech (*Carpinus caroliniana*)
 699. Hazelnut (*Corylus americana*)
 700. Beaked Hazelnut (*Corylus cornuta*)
 701. Ironwood (*Ostrya virginiana*)

BEECH FAMILY

702. White Oak (*Quercus alba*)
 703. Northern Red Oak (*Quercus borealis*)
 704. Northern Pin Oak (*Quercus ellipsoidalis*)
 705. Bur Oak (*Quercus macrocarpa*)

ELM FAMILY

706. Hackberry (*Celtis occidentalis*)
 707. American Elm (*Ulmus americana*)
 708. Red Elm (*Ulmus rubra*)

SAXIFRAGE FAMILY

709. Wild Black Currant (*Ribes americanum*)
 710. Prickly Gooseberry (*Ribes Cynosbati*)
 711. Swamp Black Currant (*Ribes lacustre*)
 712. Smooth Gooseberry (*Ribes oxyacanthoides*)

WITCH HAZEL FAMILY

713. Witch Hazel (*Hamamelis virginiana*)

ROSE FAMILY

714. Juneberry (*Amelanchier alnifolia*)
 715. Juneberry (*Amelanchier canadensis*)
 716. Black Chokeberry (*Aronia melanocarpa*)
 717. Hawthorn (*Crataegus Macrosperma*)
 718. Large-fruited Hawthorn (*Crataegus punctata*)
 719. Downy Hawthorn (*Crataegus millis*)
 720. Wild Crab (*Malus ioensis*)
 721. Narrow-leaved Crab (*Malus coronaria*)
 722. Nine-bark (*Physocarpus opulifolius*)
 723. Wild Plum (*Prunus americana*)
 724. Pin Cherry (*Prunus pennsylvanica*)
 725. Sand Cherry (*Prunus pumila*)
 726. Black Cherry (*Prunus Serotina*)
 727. Choke Cherry (*Prunus virginiana*)
 728. Prickly Wild Rose (*Rosa acicularis*)
 729. Prairie Wild Rose (*Rosa arkansana*)
 730. Smooth Wild Rose (*Rosa blanda*)

ROSE FAMILY (Con't.)

731. Tall Blackberry (*Rubus argutus*)
 732. Black-cap Raspberry (*Rubus occidentalis*)
 733. Dwarf Red Blackberry (*Rubus pubescens*)
 734. Mountain Ash (*Sorbus americana*)
 735. Meadow Sweet (*Spiraea alba*)
 736. Steeple Bush (*Spiraea tomentosa*)
 737. May Day Tree (*Prunus Padus communitata*)

PULSE FAMILY

738. Honey Locust (*Gleditsia trianthos*)
 739. Kentucky Coffee-tree (*Gymnocladus dioica*)

RUE FAMILY

740. Prickly Ash (*Zanthoxylum americanum*)

SUMAC FAMILY

741. Smooth Sumac (*Rhus glabra*)
 742. Staghorn Sumac (*Rhus typhina*)
 743. Aromatic Sumac (*Rhus aromatica*)

HOLLY FAMILY

744. Northern Holly (*Ilex verticillata*)
 745. Mountain Holly (*Nemopanthus mucronata*)

BITTERSWEET FAMILY

746. Bittersweet (*Celastrus scandens*)
 747. Burning Bush; Wahoo (*Euonymus atropurpurea*)

BLADDERNUT FAMILY

748. Bladdernut (*Staphylea trifolia*)

MAPLE FAMILY

749. Box Elder (*Acer Negundo*)
 750. Black Sugar Maple (*Acer nigrum*)
 751. Soft Maple; Silver Maple (*Acer saccharinum*)
 752. Hard Maple; Sugar Maple (*Acer saccharum*)
 753. Mountain Maple (*Acer spicatum*)
 754. Striped Maple (*Acer pensylvanicum*)

BUCKTHORN FAMILY

755. Dwarf Alder (*Rhamnus alnifolia*)
 756. Buckthorn (*Rhamnus Frangula*)

GRAPE FAMILY

757. Virginia Creeper (*Parthenocissus quinquefolia*)
 758. Frost Grape (*Vitis riparia*)

LINDEN FAMILY

759. Basswood (*Tilia americana*)

HEZEREUM FAMILY

760. Leatherwood; moosewood (*Dirca palustris*)

DOGWOOD FAMILY

761. Dwarf Cornel (*Cornus canadensis*)
 762. Alternate-leaved Dogwood (*Cornus alternifolia*)
 763. Panicled Dogwood (*Cornus racemosa*)
 764. Round-leaved Dogwood (*Cornus rugosa*)
 765. Red-osier Dogwood (*Cornus stolonifera*)
 766. Flowering Dogwood (*Cornus florida*)

OLIVE FAMILY

767. White Ash (*Fraxinus americana*)
 768. Black Ash (*Fraxinus nigra*)
 769. Green Ash (*Fraxinus pennsylvanica*)

MADDER FAMILY

770. Buttonbush (*Cephaelanthus occidentalis*)

HONEYSUCKLE FAMILY

771. Common Elder (*Sambucus canadensis*)
 772. Red-berried Elder (*Sambucus pubens*)
 773. Snowberry (*Symporicarpus albus*)
 774. Wolfberry (*Symporicarpus occidentalis*)
 775. Black Haw (*Viburnum Lentago*)
 776. Witherod (*Viburnum cassinoides*)
 777. High-bush Cranberry (*Viburnum trilobum*)
 778. Arrow-wood (*Viburnum dentatum*)
 779. Maple-leaved Arrow-wood (*Viburnum acerifolium*)

HEATH FAMILY

780. Rhodora (*Rhodora canadensis*)
 781. Rhododendron (*Rhododendron maximum*)
 782. Mountain Laurel (*Kalmia latifolia*)
 783. Flame Azalea (*Azalea calendulacea*)
 784. Mountain Azalea (*canescens*)
 785. Pink Azalea (*vaseyi*)
 786. White Azalea (*viscosa*)

SENNA FAMILY

787. Red-bud (*Cercis canadensis*)

FLOWERING PLANTS, TREES, SHRUBS, AND FERNS
GROWING IN THE
ELOISE BUTLER WILD FLOWER GARDEN
AT THEODORE WIRTH PARK
MINNEAPOLIS, MINNESOTA

I N D E X

(Alphabetically arranged as to common names)

<u>COMMON NAME</u>	<u>FAMILY</u>	<u>PAGE</u>	<u>COMMON NAME</u>	<u>FAMILY</u>	<u>PAGE</u>
Adam -and- Eve	Orchid	6	Aster, Lowrie's	Composite	15
Adder's Mouth, Green	"	6	Aster, Large-leaved	"	15
Adoxa	Moschatel	14	Aster, New England	"	15
Agrimony, Tall hairy	Rose	9	Aster, New York	"	15
Alder, Dwarf	Buckthorn	19	Aster, Panicled	"	15
Alder, Speckled	Birch	17	Aster, Pringle's	"	15
Alexanders, Golden	Parsley	11	Aster, Purple-stemmed	"	15
Alexanders, Heart-leaved	"	11	Aster, Rush	"	15
Alum Root	Saxifrage	8	Aster, Silky	"	15
Alyssum, Hoary	Mustard	8	Aster, Smooth	"	15
Anemone, Canada	Crowfoot	8	Aster, Sky-blue	"	15
Anemone, Carolina	"	8	Aster, Savory-leaved	"	15
Anemone, Large White	"	8	Aster, Tradescant's	"	15
Anemone, Long fruited	"	8	Aster, Upland White	"	15
Anemone, Wood	"	8	Aster, Western	"	15
Angelica, Hairy	Parsley	11	Aster, White Heath	"	15
Arbor Vitae	Cypress	18	Aster, White Wreath	"	15
Arethusa	Orchid	6	Avens, Purple Long	Rose	9
Arrow-wood	Honeysuckle	19	plumed		
Arrow-wood, Maple Leaved	"	19	Avens, Water	"	9
Ash, Black	Olive	19	Avens, White	"	9
Ash, Green	"	19	Avens, Yellow	"	9
Ash, Prickly	Rue	18	Azalea, Flame	Heath	19
Asn, White	Olive	19	Azalea, Mountain	"	19
Ash, Mountain	Rose	18	Azalea, Pink	"	19
Asparagus	Lily	5	Azalea, White	"	19
Aspen, Large toothed	Willow	17	Bachelor's Button	Composite	15
Aspen, Quaking	"	17	Balsam Fir	Pine	17
Aster, Aromatic	Composite	15	Baneberry, White	Crowfoot	7
Aster, Arrow-leaved	"	15	Baneberry, Red	"	8
Aster, Blue Wood	"	15	Basswood	Linden	19
Aster, Calico	"	15	Beech, Blue	Birch	18
Aster, Crooked-stemmed	"	15	Beggar-ticks, Swamp	Composite	15
Aster, Alpine	"	15	Bellwort, Sessile-leaved	Lily	5
Aster, Drummond's	"	15	Bellwort, Large flowered	"	5
Aster, Flat-top White	"	15	Bean, Wild	Pulse	9
Aster, Great Northern	"	15	Bean, Wild Trailing	"	10
Aster, Lindley's	"	15	Bearberry	Heath	11
Aster, Long-leaved	"	15	Beard-tongue		
			Large-fl.	Figwort	14

<u>COMMON NAME</u>	<u>FAMILY</u>	<u>PAGE</u>	<u>COMMON NAME</u>	<u>FAMILY</u>	<u>PAGE</u>
Beard-tongue, Slender	Figwort	14	Boneset, Common	Composite	15
Bedstraw, Rough	Madder	14	Boneset, False	"	16
Bedstraw, Northern	"	14	Bouncing Bet	Pink	7
Bedstraw, Shining	"	14	Box Elder	Maple	18
Bedstraw, Small	"	14	Brooklime, American	Figwort	14
Bee Balm, American	Mint	13	Buckbean	Buckbean	12
Bellflower, Blue	Bluebell	14	Buckthorn	Buckthorn	19
Bellflower, Blue Marsh	"	14	Buckwheat, False	Buckwheat	7
Bellflower, Clustered	"	14	Bugle Weed	Mint	13
Bellflower, European	"	14	Bugle Weed, Northern	"	13
Bellflower, Marsh	"	14	Bull Synthyris	Figwort	14
Bellflower, Tall	"	14	Burdock, Common	Composite	15
Bergamot, Wild	Mint	13	Bur Marigold, Nodding	"	15
Betany, Wood	Figwort	14	Burning Bush	Bittersweet	18
Bindweed, Black	Buckwheat	7	Butter-and-Eggs	Figwort	14
Bindweed, Great	Morning-glory	12	Buttercup, Early	Crowfoot	8
Bindweed, Small	"	12	Buttercup, Marsh	"	8
Bindweed, Upright	"	12	Buttercup, Small		
Birch, Bog	Birch	17	Flowered	"	8
Birch, Paper	"	17	Buttercup, Tall	"	8
Birch, Yellow	"	17	Butterfly-weed	Milkweed	12
Bishop's Cap, 2-leaved	Saxifrage	9	Butternut	Walnut	17
Bishop's Cap, Naked	"	8	Buttonbush	Madder	19
Bitterroot	Purslane	7	Butterwort, Common	Bladderwort	14
Bittersweet	Bittersweet	18	Cactus, Nipple	Cactus	11
Blackberry, Dwarf red	Rose	18	Cactus, Prickly Pear	"	11
Blackberry, Tall	"	18	Cactus, W. Prickly Pear	"	11
Black-eyed Susan	Composite	16	Calypso, Fairy Slipper	Orchid	6
Black-eyed Susan Thin-leaved	"	16	Camass, Death	Lily	5
Bladdernut	Bladdernut	18	Camass, Yellow	"	5
Bladderwort, Greater	Bladderwort	14	Campion, Bladder	Pink	7
Blazing Star, Common	Composite	16	Campion, Starry	"	7
Blazing Star, Cylindric	"	16	Campion, White	"	7
Blazing Star, Dense Button	"	16	Cardinal Flower	Lobelia	14
Blazing Star, Dotted	"	16	Carpet-weed	Carpet-weed	7
Blazing Star, Intermedia	"	16	Carrion-flower	Lily	5
Blazing Star, Large-headed	"	16	Carrot, Wild	Parsley	11
Blazing Star, Prairie	"	16	Catchfly, Sleepy	Pink	7
Blazing Star, Rosendahl's	"	16	Cedar, Red	Cypress	17
Bloodroot	Poppy	8	Cedar, White	"	17
Bluebells, Virginia	Borage	13	Cherry, Black	Rose	18
Bluebells, Western	"	13	Cherry, Choke	"	18
Blueberry, Canadian	Heath	12	Cherry, Pin	"	18
Blueberry, Early	"	12	Cherry, Sand	"	18
Blueberry, Low-bush	"	12	Chickweed, Common	Pink	7
Blue-eyed Grass, Stout	Iris	6	Chickweed, Field	"	7
Blue-eyed Grass, Prairie	"	6	Chickweed, Larger		
Blue Flag	"	6	Mouse-ear	"	7
Bluets	Madder	14	Chicory	Composite	15
Blue Weed	Borage	13	Chokeberry, Black	Rose	18
Boltonia, White	Composite	15	Cicely, Sweet Smooth	Parsley	11
Boltonia, Pink	"	15	Cicely, Sweet Wooly	"	11
			Cinquefoil, Branched	Rose	9

<u>COMMON NAME</u>	<u>FAMILY</u>	<u>PAGE</u>	<u>COMMON NAME</u>	<u>FAMILY</u>	<u>PAGE</u>
Cinquefoil, Rough	Rose	9	Cucumber, Wild	Gourd	14
Cinquefoil, Bushy	Rose	9	Cucumber-root, Indian	Lily	6
Cinquefoil, Common	"	9	Cudweed, Clammy	Composite	15
Cinquefoil, Diffuse	"	9	Culver's Root	Figwort	14
Cinquefoil, Five-finger	"	9	Cup-plant	Composite	16
Cinquefoil, Shrubby	"	9	Currant, Swamp Black	Saxifrage	18
Cinquefoil, Silvery	"	9	Currant, Wild Black	"	18
Cinquefoil, Three-toothed	"	9	Dame's Rocket	Mustard	8
Cinquefoil, Rough-Fruited	"	9	Dandelion	Composite	16
Clammyweed	Caper	8	Dandelion, False Prairie	"	15
Cleaver's	Madder	14	Day-Lily, Orange	Lily	5
Clintonia, Yellow	Lily	5	Day-Lily, Yellow	Lily	5
Clotbur, Beach	Composite	16	Dock, Curled	Buckwheat	7
Clover, Alsike	Pulse	10	Dock, Great Water	"	7
Clover, Bush Round-head	"	9	Dock, Prairie	Composite	16
Clover, Hop	"	9	Dodder, American	Morning-Glory	12
Clover, Pink Prairie	"	10	Dodder, Smartweed	"	12
Clover, Purple Prairie	"	10	Dog, Fennel	Composite	15
Clover, Rabbit-foot	"	10	Dogbane, Spreading	Dogbane	12
Clover, Red	"	10	Dogwood, Alternate-leaved	Dogwood	19
Clover, Sweet White	"	10	Dogwood, Flowering	"	19
Clover, Sweet Yellow	"	10	Dogwood, Panicled	"	19
Clover, White	"	10	Dogwood, Red-osier	"	19
Clover, White Prairie	"	10	Dogwood, Round-leaved	"	19
Coffee-tree			Dutchman's Breeches	Fumitory	8
Kentucky	Pulse	18	Dutchman's Pipe	Birthwort	6
Cohosh, Blue	Barberry	8	Elder, Common	Honeysuckle	19
Columbine, Wild	Crowfoot	8	Elder, Red-berried	"	19
Comandra, Northern	Sandlewood	6	Elm, American	Elm	18
Comandra, Toad-flax	"	6	Elm, Red	"	18
Compass-plant	Composite	16	Erigeron, Rough	Composite	15
Cone-flower, Gray-headed	"	16	Evening-Primrose, Common	Ev. -Primrosc	11
Cone-flower, Long-headed	"	16	Evening-Primrose, Rhombic	" "	11
Coneflower, Narrow-leaved	"	15	Evening-Primrose, Western	" "	11
Coneflower, Purple	"	15	Everlasting, Canadian	Composite	15
Coontail	Hornwort	7	Everlasting, Pearly	"	15
Coral Root, Early	Orchid	6	Everlasting,		
Coral Root, Spotted	"	6	Plantain-leave	"	15
Corn Cockle	Pink	7	Everlasting, Prairie	"	15
Cornel, Dwarf	Dogwood	19	Fairy Slipper	Orchid	6
Corydalis, Golden	Fumitory	8	Fern, Beech Broad	Fern	17
Corydalis, Pink	"	8	Fern, Beech Long	"	17
Cottonwood	Willow	17	Fern, Bladder Brittle	"	17
Crab, Narrow-leaved	Rose	18	Fern, Bladder Bulblet	"	17
Crab, Wild	"	18	Fern, Bracken	"	17
Cranberry, High-bush	Honeysuckle	19	Fern, Chain	"	17
Cranberry, Large	Heath	12	Fern, Christmas	"	17
Cranberry, Mountain	"	12			
Cranberry, Small	"	12			
Cress, Bulbous	Mustard	8			
Cress, Lyre-leaf Rock	"	8			
Cress, Water	"	8			
Crowfoot, Prairie	Crowfoot	8			
Crowfoot, Yellow Water	"	8			
Cucumber, Star	Gourd	14			

<u>COMMON NAME</u>	<u>FAMILY</u>	<u>PAGE</u>	<u>COMMON NAME</u>	<u>FAMILY</u>	<u>PAGE</u>
Fern, Cinnamon	Cinnamon Fern	16	Galinsoga, Hairy	Composite	15
Fern, Cliff Brake	Fern	17	Garlic, Meadow	Lily	5
Fern, Fragrant	"	17	Garlic, Rush	"	5
Fern, Goldie's	"	17	Gentian, Bottle Blue	Gentian	12
Fern, Grape Leathery	Adder's Tongue	16	Gentian, Bottle Wht.	"	12
Fern, Grapte Ternate	" "	16	Gentian, Downy	"	12
Fern, Hay-scented	Fern	17	Gentian, Fringed	Gentian	12
Fern, Holly Braun's	"	17	Gentian, Fringed Small	"	12
Fern, Interrupted	"	16	Gentian, Narrow-leaved	"	12
Fern, Lady	"	16	Geranium, Wild	Geranium	10
Fern, Male	"	17	Gerardia, Large Purple	Figwort	14
Fern, Maidenhair	"	16	Gerardia, Slender	"	14
Fern, Marsh	"	17	Germander, American	Mint	13
Fern, New York	"	17	Gilead, Balm of	Willow	17
Fern, Oak Northern	"	17	Ginger, Wild	Birthwort	6
Fern, Ostrich	"	17	Ginseng	Ginseng	11
Fern, Polypody Common	"	17	Ginseng, Dwarf	"	11
Fern, Rattlesnake	Adder's Tongue	16	Globe-flower	Crowfoot	8
Fern, Royal	Cinnamon Fern	16	Goat's-beard Yellow	Composite	16
Fern, Sensitive	Fern	17	Golden Aster, Hairy	Composite	15
Fern, Shield Clinton's	"	17	Golden Glow	"	16
Fern, Shield Crested	"	17	Golden Ragwort	"	16
Fern, Shield Marginal	"	17	Golden-rod, Bog	"	16
Fern, Shield Spinulose	"	17	Golden-rod, Bushy	"	16
Fern, Sweet	Wax-Myrtle	6	Golden-rod, Canada	"	16
Fern, Spleenwort Ebony	Fern	16	Golden-rod, Early	"	16
Fern, Spleenwort Maidenhair	Fern	16	Golden-rod, Elm-leaved	"	16
Fern, Spleenwort Narrow-leaved	Fern	17	Golden-rod, Gray	"	16
Fern, Spleenwort Silvery	"	17	Golden-rod, Riddell's	"	16
Fern, Walking	"	17	Golden-rod, Showy	"	16
Fern, Woodsia Blunt-lobed	"	17	Golden-rod, Stiff	"	16
Fern, Woodsia Rusty	"	17	Golden-rod, Tall	"	16
Fern, Woodsia Smooth	"	17	Golden-rod, Velvety	"	16
Figwort	Figwort	14	Golden-rod, Wreath	"	16
Fire Pink	Pink	7	Golden-rod, Zig-Zag	"	16
Fireweed	Evening-Primrose	11	Golden Seal	Crowfoot	8
Fireweed, White	Composite	15	Goldthread	"	8
Flag, Blue	Iris	6	Gooseberry, Prickly	Saxifrage	18
Flag, Yellow	"	6	Gooseberry, Smooth	"	18
Fleabane, Blue, Bitter	Composite	15	Goosefoot, Maple-leaved	Goosefoot	7
Fleabane, Daisy	"	15	Grape, Frost	Grape	19
Fleabane, Horse-weed	"	15	Grape-Hyacinth	Lily	5
Fleabane, Philadelphia	"	15	Grass of Parnassus	Saxifrage	9
Flower-of-an-hour	Mallow	10	Grass Pink	Orchid	6
Foam-flower	Saxifrage	9	Green Brier, Prickly	Lily	5
Forget-me-not	Borage	13	Gromwell, American	Borage	13
Froelichia, Prairie	Amaranth	7	Ground Cherry, Clammy	Potato	13
Frostweed	Rock-Rose	10	Ground Cherry, Prairie	"	13
Gaillardia, Great-fl.	Composite	15	Ground Cherry, Virginia	"	13
Gale, Sweet	Wax-Myrtle	6	Ground-nut, Wild Bean	Pulse	9
		15	Ground Plum	"	9
		6	Gum-Plant	Composite	15
			Gypsophila, Low	Pink	7

<u>COMMON NAME</u>	<u>FAMILY</u>	<u>PAGE</u>	<u>COMMON NAME</u>	<u>FAMILY</u>	<u>PAGE</u>
Hackberry	Elm	18	Indigo, Wild Yellow	Pulse	9
Harbinger-of-Spring	Parsley	11	Iris, Crested	Iris	6
Hardhack	Rose	9	Ironweed	Composite	16
Harebell	Bluebell	14	Ironwood	Birch	18
Haw, Black	Honeysuckle	19	Ivy, Ground	Mint	13
Hawkweed, Canada	Composite	16	Jacob's Ladder	Phlox	12
Hawkweed, Long-bearded "	"	16	Jacob's Ladder, American	"	12
Hawthorn, Downy	Rose	18	Joe-Pye Weed	Composite	15
Hawthorn, Large-fruited	Rose	18	Jointweed, Coast	Buckwheat	7
Hawthorn, Punctate	"	18	Juneberry, Alternate-lge.	Rose	18
Hazel, Witch	Witch Hazel	18	Juneberry, Canadian	"	18
Hazelnut	Birch	18	Juniper, Prostrate	Cypress	17
Hazelnut, Beaked	"	13	Kentucky Coffee-tree	Pulse	18
Heal-all	Mint	10	Knotweed, Common	Buckwheat	7
Heather, False	Rock-Rose	6	Labrador Tea	Heath	12
Hellebore, False	Lily	6	Ladies' Tresses, Hooded	Orchid	6
Hemlock	Pine	8	Ladies' Tresses, Nodding	"	6
Hemlock, Water	Parsley	8	Lady's-slipper, Lge. Yel	"	6
Hemp	Mulberry	17	Lady's-slipper, Ram's-head	"	6
Hepatica, Round-lobed	Crowfoot	17	Lady's-slipper, Showy	"	6
Hepatica, Sharp-lobed	Crowfoot	17	Lady's-slipper, Sm. Yel.	"	6
Hickory, Bitternut	Walnut	18	Lady's-slipper, Sm. White	"	6
Hickory, Shag-bark	"	18	Lady's-slipper, Stemless	"	6
Hog Pea-nut	Pulse	11	Lady's Thumb	Buckwheat	7
Holly, Northern	Holly	18	Lamb's Quarters	Goosefoot	7
Holly, Mountain	"	14	Larkspur, Prairie	Crowfoot	8
Honewort	Parsley	Laurel, Mountain	Heath	12, 19	
Honey Locust	Pulse	14	Laurel, Swamp	"	12
Honeysuckle,		14	Lead-plant	Pulse	9
American Fly	Honeysuckle	14	Leather-leaf	Heath	11
Honeysuckle, Bush	"	14	Leatherwood	Mezereum	19
Honeysuckle, Glaucous	"	14	Leek, Wild	Lily	5
Honeysuckle, Hairy	"	6	Lettucco, Tall Blue	Composite	16
Honeysuckle, Mt. Fly	"	13	Lettuce, Wild	"	16
Honeysuckle, Tartarian	"	13	Lily, Canada	Lily	5
Hop-vine, American	Mulberry	13	Lily, Large Wht. Water	Water Lily	7
Horehound, Common	Mint	14	Lily, Large Yel. Pond	"	7
Horehound, Water	"	16	Lily, Small Yel. Pond	"	7
Hornwort	Hornwort	13	Lily, Sweet-scented	"	7
Horse-Gentian	Honeysuckle	14	Lily, Turk's-cap	Lily	5
Horse-weed	Composite	12	Lily, Wood	Lily	5
Hound's-tongue	Borage	6	Lily-of-the-Valley, False	"	5
Houstonia, Long-leaved	Madder	6	Live-forever	Orpine	8
Huckleberry	Heath	13	Lobelia, Great Blue	Lobelia	14
Hyacinth, Grape	Lily	13	Lobelia, Pale Spiked	"	14
Hyacinth, Wild	"	13	Locust, Common Black	Pulse	18
Hyssop, Giant Catnip	Mint	11	Locust, Honey	"	18
Hyssop, Giant Figwort	"	9	Loosestrife, Fringed	Primrose	12
Hyssop, Giant Fragrant	"	9	Loosestrife, Purple	Loosestrife	11
Indian Pipe	Shin-Leaf	9	Loosestrife, Tufted	Primrose	12
Indigo, Fragrant False	Pulse	9	Loosestrife, Whorled	"	12
Indigo, Large White	Pulse				
Indigo, Wild Blue	Pulse				

<u>COMMON NAME</u>	<u>FAMILY</u>	<u>PAGE</u>	<u>COMMON NAME</u>	<u>FAMILY</u>	<u>PAGE</u>
Loosestrife, Wing-angled	Loosestrife	11	Mugwort, Dark leaved	Composite	15
Lopseed	Lopseed	14	Mullein, Great	Figwort	14
Lotus, American	Water Lily	7	Mustard, Black	Mustard	8
Lousewort, Swamp	Figwort	14	Myrtle, Creeping	Dogbane	12
Lungwort, Tall	Borage	13	Nettle, Rough Hedge	Mint	13
Lupine	Pulse	9	Nettle, Slender Wild	Nettle	6
Lygodesmia, Rush-like	Composite	16	Nettle, Stinging	"	6
Maiden-hair Tree	Ginkgo	19	Nettle, Wood	"	6
Mallow, Common	Mallow	10	New Jersey Tea	Buckthorn	10
Maltese, Cross	Pink	7	Nightshade, Black	Potato	13
Maple, Black Sugar	Maple	18	Nightshade, Enchanter's Ev.	Primrose	11
Maple, Hard	"	18	Nightshade, Small	Enchanter's	
Maple, Mountain	"	18	Ev. Primrose	11	
Maple, Red	"	18	Oak, Bur	Beech	18
Maple, Silver	"	18	Oak, Northern Pin	"	18
Maple, Soft	"	18	Oak, Northern Red	"	18
Maple, Striped	"	18	Oak, White	"	18
Maple, Sugar	"	19	Obedient Plant	Mint	13
Marigold, Marsh	Crowfoot	8	Ohio Buckeye		
Mare's-tail	Water-Milfoil	11	(Aesculus glabra)	Buckeye	Not in list
Marjoram, Wild	Mint	13	Onion, Wild	Lily	5
Matrimony-vine	Potato	13	Orange Grass	St. John's wort	10
May Apple	Barberry	8	Orchis, Little Club-spur	Orchid	6
May Day Tree	Rose	18	Orchis, Purple Fringed	"	6
Meadow-Queen	"	9	Orchis, Ragged	Orchid	6
Meadow Rue, Early	Crowfoot	8	Orchis, Showy	"	6
Meadow Rue, Tall	"	8	Orchis, Tall Leafy Green	"	6
Meadow Rue, Yellow	"	8	Orchis, Tubercled	"	6
Meadow Sweet	Rose	9,18	Orchis, Yellow Fringed	"	6
Mercury, Three-seeded	Spurge	10	Orpine, Live-forever	Orpine	8
Milk Vetch, Flexile	Pulse	9	Ox-eye, Sweet	Composite	16
Milk Vetch, Purple	"	9	Pagonia, Rose	Orchid	6
Milkweed, Blunt-leaved	Milkweed	12	Paint-brush, Indian	Figwort	13
Milkweed, Common	"	12	Painted Cup, Lance-leaved	"	13
Milkweed, Poke	"	12	Parnassus, Grass of	Saxifrage	?
Milkweed, Swamp	"	12	Parsnip, Cow	Parsley	11
Milkweed, Whorled	"	12	Parsnip, Wild	"	11
Milkweed, Woolly	"	12	Partridge Berry	Madder	14
Milkwort, Cross-leaved	Milkwort	10	Partridge Pea	Pulse	9
Milkwort, Fringed	"	10	Pasque-flower	Crowfoot	8
Milkwort, Purple	"	10	Pennyroyal, American	Mint	13
Milkwort, Racemed	"	10	Pennyroyal, False	Mint	13
Milkwort, Whorled	"	10	Penstemon, Western Blue	Figwort	14
Mint, American Wild	Mint	13	Penstemon, Western White	"	14
Mint, Horse	"	13	Pepper, Water	Buckwheat	7
Mint, Virginia Mt.	"	13	Phacelia, Franklin's	Water-leaf	12
Moneywort	Primrose	12	Phlox, Moss Pink	Phlox	12
Monkey Flower	Figwort	14	Phlox, Prairie	"	12
Moonseed, Canada	Moonseed	8	Phlox, Sweet William	"	12
Morning-glory, Bush	Morn.Glory	12	Phlox, Wild Blue	"	12
Morning-glory, Ivy-lge.	" "	12			
Motherwort	Mint	13			
Mugwort, Common	Composite	15			

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Pigweed, Winged	Goosefoot	7	Sandwort, Blunt-leaved	Pink	7
Pine, White	Pine	17	Sandwort, Thyme-leaved	"	7
Pineapple Weed	Composite	16	Sarsaparilla, Bristly	Ginseng	11
Pin-weed, Prairie	Rock-Rose	10	Sarsaparilla, Wild	"	11
Pitcher Plant	Caper	8	Saxifrage, Swamp	Saxifrage	8
Plantain, Common	Plantain	14	Shepherd's Purse	Mustard	8
Plantain, Pursh's	"	14	Shooting Star	Primrose	12
Plantain, Robin's	Composite	15	Shin-leaf	Shin-Leaf	12
Poinsettia, Wild	Spurge	10	Silverweed	Rose	9
Poplar, Balm of Gilead	Willow	17	Skullcap, Mad-dog	Mint	13
Poplar, Balsam	"	17	Skullcap, Marsh	"	13
Poplar, Cottonwood	"	17	Skullcap, Small	"	13
Poplar, Large-toothed	"	17	Smartweed, Dock		
Poplar, Quaking Aspen	"	17	Leaved	Buckwheat	7
Primrose, Dwarf Canada	Primrose	12	Snakeroot, Black	Parsley	11
Prince's Pine	Shin-leaf	11	Snakeroot, Seneca	Milkwort	15
Psoralea, Silver-leaved	Pulse	10	Snakeroot, Short-styled	Parsley	11
Puccoon, Hairy	Borage	13	Snakeroot, White	Composite	15
Puccoon, Hoary	"	13	Sneezeweed	Composite	15
Puccoon, Narrow-leaved	"	13	Snowberry	Honeysuckle	19
Purslane	Purslane	7	Snowberry, Creeping	Heath	12
Pyrola, American	Shin-leaf	11	Snowplume	Saxifrage	8
Pyrola, One flowered	" "	11	Soapwort	Pink	5
Pyrola, One -sided	" "	11	Solomon's Seal, False	Lily	5
Pyrola, Pink-flowered	" "	11	Solomon's Seal, Giant	"	5
Pyrola, Shin-leaf	" "	11	Solomon's Seal, Hairy	"	5
Ragweed, Common	Composite	16	Solomon's Seal, Star-fl.	"	5
Ragweed, Great	"	16	Solomon's Seal, 3 leaved	"	5
Raspberry, Blk-cap	Rose	18	Sorrel, Sheep	Buckwheat	7
Rattle-box	Pulse	9	Speedwell, Marsh	Figwort	14
Rattlesnake-Master	Parsley	11	Spikenard, American	Ginseng	11
Rattlesnake, Plantain	Orchid	6	Spring Beauty, Carolina	Purslane	7
Rattlesnake, Pl. Lesser	"	6	Spring Beauty, Virginia	"	7
Rattlesnake-root	Composite	16	Spruce, Plack	Pine	17
Rattlesnake-root			Spruce, White	"	17
Corymbed	"	16	Spurge, Flowering	Spurge	10
Rattlesnake-root, Glaucous	"	16	Spurge, Geyer's	"	10
Re-l-bud	Senna	19	Squirrel Corn	Fumitory	8
Rhododendron	Heath	19	Star-flower	Primrose	12
Rhodora	"	19	Star Grass, Yellow	Amaryllis	6
Richweed	Nettle	6	Steeple Bush	Rose	18
Rocket, Dame's	Mustard	8	Steeple Bush, Hardhack	Rose	1
Rocket, Prairie	"	8	Strawberry, Am. Wood	"	9
Rocket, Red	Phlox	12	Strawberry, Blite	Goosefoot	7
Rocket, Yellow	Mustard	8	Strawberry, Virginia	Rose	6
Rose, Prairie	Rose	18	Stickseed, European	Borage	12
Rose, Prickly Wild	Rose	18	Stickseed, Nodding	"	12
Rose, Smooth	"	18	Stickseed, Virginia	"	12
Rosemary, Bog	Heath	11	St.John's-wort, Great	St.John's-wort	10
Rue Anemone	Crowfoot	8	St.John's-wort, Common	"	10
Rue Anemone, False	"	8	St.John's-wort, Marsh	"	10
			St.John's-wort, Shrubby	"	10

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Sumac, Aromatic	Sumac	18	Trillium, Purple	Lily	5
Sumac, Smooth	"	18	Trillium, Recurved	"	5
Sumac, Staghorn	"	18	Trillium, Rose	"	5
Sundew, Round-leaved	Caper	8	Trillium, Sessile	"	
Sundrops, Meadow	Ev. Primrose	11	Flowered	"	5
Sunflower, Common	Composite	15	Trillium, Snow	"	5
Sunflower, Giant	"	15	Trillium, Western	"	5
Sunflower, Jerusalem Art.	Composite	16	Trillium, Yellow	"	5
Sunflower, Maximilian's	"	16	Trout-Lily, Minnesota	"	5
Sunflower, Prairie	"	16	Trout-Lily, Yellow	"	5
Sunflower, Rough	"	16	Trout-Lily, White	"	5
Sunflower, Saw-tooth	"	15	Trumpet-flower	Trumpet- Cr.	14
Sunflower, Stiff	"	16	Tumble-weed	Amaranth	7
Sunflower, Stiff-haired	"	15	Turnip, Prairie	Pulse	10
Sunflower, Thrcatwort	"	16	Turtlehead, Red	Figwort	14
Sunflower, Woodland	"	16	Turtlehead, White	"	14
Swamp-candles	Primrose	12	Twayblade	Orchid	6
Sweet Cicely, Smooth	Parsley	11	Twin-flower, American	Honeysuckle	14
Sweet Cicely, Woolly	"	11	Twisted-stalk	Lily	5
Sweet William, Wild	Phlox	13	Twisted-stalk, Sessile-l	Lily	5
Talinum, Prairie	Purslane	7	Umbrella-wort, Hairy	Four-O'Clock	7
Talinum, Small			Umbrella-wort, Heart-leave	"	7
Flowered	Purslane	7			
Tamarack, Larch	Pine	17	Valerian, Edible	Valerian	14
Tansy	Composite	16	Venus' Looking-glass	Bluebell	14
Tear-thumb, Arrow leaved	Buckwheat	7	Vervain, Blue	Vervain	13
Tear-thumb, Halberd- leaved	Buckwheat	7	Vervain, Hoary	"	13
Thistle, Bull	Composite	15	Vervain, White	"	13
Thistle, Canada	"	15	Vetch, American	Pulse	10
Thistle, Field	"	15	Vetch, Common	"	10
Thistle, Hill's	"	15	Vetch, Milk Flexile	"	9
Thistle, Swamp	"	15	Vetch, Purple	"	9
Thistle, Spiny Sow	"	16	Vetchling, Pale	"	9
Thyme, Creeping	Mint	13	Violet, American Dog	Violet	5
Tickseed, Stiff	Composite	16	Violet, Arrow-leaved	"	5
Tick-trefoil, Canadian	Pulse	9	Violet, Ricolor	"	5
Tick-trefoil, large bract	"	9	Violet, Bird's-foot	"	5
Tick-trefoil, Pointed- leaved	"	9	Violet, Canada	"	5
Toothwort, Cut-leaved Mustard		8	Violet, Downy Yellow	"	5
Toothwort, Two-leaved	"	8	Violet, Fringed	"	5
Touch-me-not, Pale	Jewelweed	10	Violet, Hand-leaf	"	5
Touch-me-not, Spotted	"	10	Violet, Hooded Blue	"	5
Trailing Arbutus	Heath	12	Violet, Hooked	"	5
Trefoil, Prairie	Pulse	9	Violet, Kidney-leaved	"	5
Trillium, Drooping	Lily	5	Violet, Lance-leaved	"	5
Trillium, Large flowered	"	5	Violet, Marsh Blue	"	5
Trillium, Nodding	"	5	Violet, Missouri	"	5
Trillium, Painted	"	5	Violet, Northern White	"	5
			Violet, Prairie	"	5
			Violet, Primrose-leaved	"	5
			Violet, Round-leaved Yel.	"	5
			Violet, Sand	"	5

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Violet, Sweet White	Violet	5	Willow-herb, Downy	Loosestrife	11
Violet, Tall-stemmed Wht.	"	5	Willow-herb, Marsh	"	11
Violet, Woolly, Blue	"	5	Willow-herb, Swamp	"	11
Violet, Yellow Prairie	"	5	Wintergreen Aromatic	Heath	12
Virginia Creeper	Grape	19	Witch Hazel	Witch Hazel	9,18
Virgin's Bower, Purple	Crowfoot	8	Witherod	Honeysuckle	19
Virgin's Bower, Virginia	"	8	Willow-grass	Mustard	8
Walnut, Black	Walnut	17	Wolfberry	Honeysuckle	19
Water-leaf, Virginia	Water-Leaf	12	Wood Betany	Figwort	14
Water-milfoil, Loose Fl.	Water-Milfoil	11	Wood-sorrel, True	Wood-Sorrel	10
Water-milfoil, Whorled	" "	11	Wood-sorrel Upright	" "	10
Willow, Peach-leaved	Willow	17	Wood-sorrel Violet	" "	10
Willow Prairie	"	17	Wood-sorrel, Yellow	" "	10
Willow, Pussy	"	17	Wormwood, Common	Composite	15
			Wormwood, Sage	"	15
			Wormwood, Silky	"	15
			Wormwood, Tall	"	15
			Yam-root, Wild	Yam	6
			Yarrow, Milfoil	Composite	15
			Yarrow, Woolly	"	15
			Yellow Phlox	Mustard	8
			Yew, American	Yew	17