

A PRELIMINARY LIST OF THE FERNS AND SEED PLANTS OF OKLAHOMA*

R. E. JEFFS AND ELBERT L. LITTLE, JR.

INTRODUCTION

PHYSICAL FEATURES OF OKLAHOMA

Because of its size, its shape, and its location with reference to extreme conditions of physiography and climate, Oklahoma possesses a rich flora which varies considerably in the different parts of the state.

With an area of 70,057 square miles Oklahoma ranks sixteenth in size among the states of the union and is larger than any state east of the Mississippi River. It extends from $94^{\circ} 26'$ west longitude to 103° , and from $33^{\circ} 37'$ north latitude to 37° . The shape is roughly a rectangle approximately 300 miles east and west and averaging about 200 miles north and south with an extension from the northwest corner, the panhandle, continuing westward 165 miles in a strip 34 miles broad. The greatest east-west distance, along the panhandle, is 460 miles and the greatest breadth, at the eastern border, is 225 miles. Only six states have a greater distance between their most distant points than Oklahoma whose southeastern and northwestern corners are approximately 525 miles apart.

The altitudes of Oklahoma range from less than 350 feet at the southeastern corner to 4978 feet at the summit of Black Mesa near the northwestern corner of the panhandle. This gradual increase in elevation is interrupted by four mountainous areas. The Ozark Mountains extend into the northeastern portion of the state where they form a plateau with higher points reaching an altitude of 1700 feet. In the southeastern part of the state are the Ouachita Mountains, Oklahoma's highest mountains. Rich Mountain in eastern Le Flore County reaches an altitude of 2850 feet or over 1900 feet above its base at Page and its summit is the highest point in the entire mountainous region of Missouri, Arkansas, and eastern Oklahoma. The Arbuckle Mountains in the south central portion of the state consist of a moderately elevated plateau ranging in altitude from 750 to 1400 feet. Near the southwestern corner of the state the Wichita Mountains rise abruptly from a level plain at an altitude of about 1200 feet to an altitude up to 2480 feet. A plateau of mesas and buttes including Black Mesa enters the state in the northwestern part of the panhandle.

The remainder of the state is divided physiographically into the sandstone hills region in the eastern half of the state, the coastal plains along the eastern half of the southern border, and the redbeds plains and gypsum hills in the western half. Nearly all of the panhandle and a part of the adjoining section of the state are included in the Great Plains.

In addition to the physiographic variations the rainfall of Oklahoma varies from about 45 inches annually in the southeastern part to less than

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15 inches at the western end of the panhandle. Over half the state receives an average annual precipitation of 30 inches or more. Sixty to eighty per cent of the annual rainfall occurs from April to September inclusive except in the Ozark region and southeastern section of the state where only 50 to 60 per cent is distributed in this period.

While the temperature in general is mild, extremes of -25° and 116° have been recorded in the state. At Oklahoma City near the center of the state the mean annual temperature is 59.4° , the mean temperature for January (the coldest month) is 37.1° , and the mean temperature for July (the hottest month) is 80.2° .

FLORISTIC AREAS IN OKLAHOMA

Floristically the main body of Oklahoma is in the Atlantic North American region and contains a flora which is primarily of eastern relationships. The panhandle and the adjacent Great Plains area are included in the Pacific North American region and have a distinctly western flora. The Atlantic North American region is represented in Oklahoma by: (1) the coastal plains province which includes the bald cypress swamps and forests of yellow pine in the southeastern corner of the state; (2) the Ozark district of the Appalachian province represented by oak-hickory woodlands occupying the rest of the eastern third of the state; and (3) the prairie province (tall grass) of the western two-thirds of the main body of the state. The Pacific North American region in Oklahoma consists of (1) the Great Plains district (short grass) of the Rocky Mountain province occupying almost all of the panhandle and (2) the southern district of the Great Basin province represented by the pinyon-juniper forest of the extreme northwestern portion of the panhandle in Cimarron County. Thus, in traversing the state from the southeast to northwest corners one passes through areas with floras and vegetation quite different: bald cypress swamps, pine-oak forests, oak-hickory forests, prairies, plains, and semi-desert pinyon-juniper forests.

Stevens (37, 38) in an examination of the ranges of 1,000 representative species of Oklahoma found that only approximately 5 per cent of the species occur throughout the state. The remaining 95 per cent reach the limit of their ranges in one or more directions in some part of Oklahoma. Seventy per cent of the flora were found to be the western extension of Mississippi Valley flora, or eastern species, and 7 per cent more are derived from the flora of that region. Twenty-one per cent are of western affinity, being derived from the Great Plains or more westerly regions, and about 2 per cent, of restricted range, probably originated in Kansas, Oklahoma, and Texas.

HISTORICAL SKETCH

Few states have flora so imperfectly known as is the flora of Oklahoma. There are several reasons for this backwardness. One is the lateness of settlement of the territory. After much of the area had been set aside as reservations for the Indians, the first lands of Oklahoma Territory were opened to settlement in 1889 and Oklahoma did not become a state until 1907.

This delayed settlement is not without its advantages with respect to botanical studies, however. The native vegetation has not yet been de-

stroyed to any great extent since only about one-third of the area of the state has been under cultivation; the woodlands of the state for the most part have not been cut. And there has not been time for the weeds man has introduced to invade and replace the native vegetation as much as they have done in the longer settled parts of the country.

Another reason for the imperfect knowledge of the flora of Oklahoma is the wide range of environmental conditions found in the state which should enable the area to support a rich flora.

There have been no great attempts to make extensive collections of the flora throughout the state as would be necessary for the preparation of a state flora approaching completeness. The herbarium of the University of Oklahoma including the early collections of the late Dr. A. H. Van Vleet was twice destroyed by fire. The largest single collection of Oklahoma plants in number of species is one of about 1500 species from more than 50 counties made chiefly in 1913 by Dr. G. W. Stevens which was determined by him at the Gray Herbarium and which formed the basis for his *Flora of Oklahoma* (37).

Some of the attempts to contribute to the knowledge of the flora of Oklahoma will be mentioned. In Lieut. Z. M. Pike's (29) account of his expedition in the West in 1805, 1806, and 1807 there is a report of Lieut. J. B. Wilkinson's trip down the Arkansas River across Oklahoma in 1807. This report, which includes brief notes on the vegetation, is of interest as one of the first published descriptions of the area.

Probably the first botanist to enter the limits of what is now Oklahoma was Thomas Nuttall (22,28), who in 1819 visited the eastern part of the state. He traveled up the Arkansas River to Fort Smith, Arkansas, and then made a trip to the Ouachita Mountains and Red River in the southeastern part of the state. After returning to Fort Smith he continued up the Arkansas River in the northeastern part of the state to the mouth of the Grand River. He ascended this river a short distance and then set out westward into the prairie region of eastern Oklahoma. After undergoing hardships at the hands of the Indians and becoming ill with fever he finally returned to Fort Smith. On this trip Nuttall discovered a number of species new to science and described the vegetation of the area.

Nuttall's (23) *Collection toward a Flora of the Territory of Arkansas*, published in 1834, is the first attempt to list the plants of what are now Arkansas and Oklahoma. Based chiefly on Nuttall's collection made in 1819, this list contains about 550 species including descriptions of many new species. Only a small number of the species are listed from localities definitely recognizable as within the present boundaries of Oklahoma, however.

In 1820 two divisions of Major Stephen H. Long's expedition to the Rocky Mountains passed east through Oklahoma, one along the Canadian River and the other along the Arkansas. Dr. Edwin James (16), the botanist of the party, included notes on the vegetation of the area in his published account of the expedition. Two lists of the plants collected were published, one by James (17) and a later one by Dr. John Torrey (40). Although over 1500 species were listed as collected on the journey, only a small percentage of these came from Oklahoma.

The next botanical collection of any size in Oklahoma was made by

Capt. R. B. Marcy's (19) expedition of May-July, 1852 to the source of the north fork of the Red River. From Fort Arbuckle near the center of the southern border of the state the route led through the Wichita Mountains and into the panhandle of Texas. The collection of plants, about 200 species, of which one-half was collected within the present boundaries of Oklahoma, was made by Dr. G. G. Shumard and determined by Torrey.

In August-September, 1853 a government surveying party under Capt. A. W. Whipple (42, 43) exploring a route for a railroad from the Mississippi River to the Pacific Ocean along the thirty-fifth parallel traversed the state from Fort Smith to the Antelope Hills along a route near the Canadian River. The botanical collections, including about 125 species from within the boundaries of Oklahoma, were made by Dr. J. M. Bigelow and the determinations were by Torrey (41). A separate report of the Cactaceae collected was made by Engelmann and Bigelow (10).

Among the first local collections of any size in Oklahoma are one of "several hundred" species collected in western Oklahoma during 1875-1877 by Dr. T. E. Wilcox and determined by A. Wood (49, 50) and one of more than 235 species made by George D. Butler (6, 7) at Limestone Gap, Atoka County, in the southeastern part of the state, chiefly in 1877. Since that time as the area gradually was settled others have collected few to many species in various parts of the state. Several of the later lists will be noted.

Two botanists, C. S. Sheldon in the southern half of the state and M. A. Carleton in the northern half, collected in 1891 a total of about four hundred species of plants. These were determined by J. M. Holzinger (15).

The next published list, issued in 1900 and containing about 750 species, was An Annotated Catalog of the Ferns and Flowering Plants of Oklahoma by E. E. Bogue (2) of the Oklahoma Agricultural and Mechanical College. In 1902 Dr. A. H. Van Vleet (44) of the University of Oklahoma published his Plants of Oklahoma, a list of about 825 species. Neither of these lists included the area of Indian Territory, which is now the eastern half of the state.

The largest list of Oklahoma plants up to the present time is a manuscript, Flora of Oklahoma, by Dr. G. W. Stevens (37), formerly professor at the Northwestern State Teachers' College. This flora, completed in 1916, contains a list of over 1600 pteridophytes and spermatophytes nearly all of which were collected by Stevens together with those reported from the state by other collectors. It lists over 200 other species which were thought to occur in the state but which had not been found there and includes keys to the species and the approximate range in the state of each species. A brief summary of the plant families of this list has been published (35). It is unfortunate that the entire flora was never published as it would have done much to encourage further botanical exploration in the state.

THE PRESENT LIST

The present list, by no means a complete one, contains 1944 species of the ferns and seed plants of Oklahoma. Its object is to include all the species of pteridophytes and spermatophytes known to have been recorded

from the state as growing without cultivation. The flora of the state is not sufficiently known at this time for an exhaustive state flora to be published. It is hoped that this list, by showing what is known at present of the flora of Oklahoma, may aid those interested to become better acquainted with the plants of the state and to contribute further to the knowledge of them.

This list is not intended to be an original contribution to the flora of Oklahoma. No list of the seed plants of the state of Oklahoma has ever been published although two incomplete lists of the flora of Oklahoma Territory (not including Indian Territory) were published by Bogue (2) in 1900 and by Van Vleet (44) in 1902. Stevens's (37) unpublished Flora of Oklahoma, 1916, covered the entire state and is the most important contribution in this field.

Since there is no recent available list of the ferns and seed plants of Oklahoma, this list is offered. It is not based upon original investigation but has been compiled mainly from the lists of Oklahoma plants included in the bibliography. This bibliography is the only attempt, so far as known, to compile a list of the various contributions dealing with the ferns and seed plants of Oklahoma. Unpublished lists of plants, with two exceptions, have been omitted intentionally in the preparation of this list and bibliography. This bibliography should emphasize that botanists have collected in various parts of the state and that these earlier records are worthy of consideration.

Stevens's (37) unpublished Flora of Oklahoma, as the largest single list of Oklahoma plants, has of course, been the most important of the lists consulted. Prof. H. I. Featherly (11), of the Oklahoma Agricultural and Mechanical College, who has made a survey of the grasses of Oklahoma, has generously contributed his list of the Gramineae of the state, which has been modified slightly here. Additional sources are listed in the bibliography.

The herbarium of the University of Oklahoma, now being enlarged by collections made in various parts of the state by the University of Oklahoma Biological Survey, has been available. The private herbaria of the authors have contributed additional records to the state list.

Some species may have been included as a result of erroneous determinations but the number is probably small. A separate list has been made of the species which have been recorded from Oklahoma in published lists but which appear to have been determined incorrectly or which need further confirmation before they should be added to the state list.

Varieties, in general, have not been included in this list. To avoid confusion 51 varieties which are considered as separate species in some current manuals have been added. In certain cases varieties have been listed where the species proper has not been recorded in Oklahoma.

The nomenclature is that of the International Rules, which are followed in Gray's (31) New Manual. Synonyms used in current manuals have been added.

Of the 1944 species in this list, 50 or 2.6 per cent are pteridophytes, 8 or .4 per cent are gymnosperms, and the rest are angiosperms. Since a large part of Oklahoma has a grassland vegetation it is natural that the three characteristic plant families of the prairies and plains, the Compositae,

Gramineae, and Leguminosae, be represented by the largest number of species. The Compositae with 272 species or 14.0 per cent of the total number of species of ferns and seed plants recorded from Oklahoma, the Gramineae with 254 species or 13.1 per cent, and the Leguminosae with 154 species or 8.0 per cent, together include more than one-third of the species of the state list.

Eighteen additional families, with 20 or more species each, contain another third of the total number of species. These are: Cyperaceae, 91 species or 4.7 per cent; Rosaceae, 68 species or 3.5 per cent; Labiatae, 50 species or 2.6 per cent; Scrophulariaceae, 49 species or 2.5 per cent; Cruciferae, 48 species or 2.5 per cent; Euphorbiaceae, 47 species or 2.4 per cent; Umbelliferae, 39 species or 2.0 per cent; Polypodiaceae, 36 species or 1.9 per cent; Polygonaceae, 35 species or 1.8 per cent; Liliaceae, 32 species or 1.6 per cent; Solanaceae and Onagraceae, 30 species or 1.5 per cent; Ranunculaceae, 26 species or 1.3 per cent; Asclepiadaceae, 24 species or 1.2 per cent; Fagaceae, 22 species or 1.1 per cent; Urticaceae, 21 species or 1.1 per cent; and Convolvulaceae and Juncaceae, 20 species or 1.0 per cent. The remaining species are distributed among 109 families with less than 20 species each.

The largest genera represented in the flora of Oklahoma are *Panicum* with 45 species or 2.3 per cent of the total, *Carex* with 42 species or 2.2 per cent, and *Euphorbia* with 26 species or 1.3 per cent. Other large genera are: *Crataegus*, 22 species; *Juncus*, *Quercus*, and *Solidago*, 19 species; *Helianthus* and *Polygonum*, 18 species; *Aristida*, *Astragalus*, *Cyperus*, and *Physalis*, 17 species; *Aster* and *Oenothera*, 16 species; *Eragrostis*, *Sporobolus*, and *Viola*, 14 species; *Desmodium*, 4 and *Asclepias*, 13 species; *Hypericum*, *Plantago*, *Prunus*, *Verbena*, and *Vitis*, 12 species; *Monarda* and *Pentstemon*, 11 species; and *Carya*, *Coreopsis*, *Erigeron*, *Gerardia*, *Lespedeza*, *Muhlenbergia*, *Paspalum*, and *Psoralea*, 10 species.

OPPORTUNITIES FOR BOTANICAL EXPLORATION IN OKLAHOMA

Probably several hundred species of Oklahoma ferns and seed plants remain unrecorded from the state. Frequently species never before reported from the state are being discovered within the state boundaries since thorough collections have been made at very few localities in the state. The list of trees and shrubs is naturally more nearly complete than that of the more numerous and less conspicuous herbaceous species, which usually are recognizable in the field a shorter period of the year. Very little research has been done on the vegetation of the state, which is beyond the field of this list, and many ecological problems await solution in addition to the floristic problems suggested below.

It is obvious that the best areas to search for new state records are near the borders of the state where certain species may occur only in restricted situations at the limits of their ranges. The southeastern portion of the state, particularly the Ouachita Mountains, should yield the largest number of new Oklahoma plants of eastern and southeastern range although the Ozark Mountains probably also contain a number of unreported state records. Along the western border of the state the southwestern corner including the Wichita Mountains and the entire pan-

handle appear to be promising in containing unreported species. The semi-desert pinyon-juniper area of Cimarron County should contribute a number of western species now unrecorded from Oklahoma.

With the exception of some of the trees the ranges of very few plant species in Oklahoma are known. Many collections of plants must be made in various parts of the state before the ranges of the species can be mapped with any degree of accuracy.

The fact that approximately 95 per cent of the Oklahoma ferns and seed plants reach the limits of their ranges in one or more directions in the state indicates that the state offers an exceptional opportunity for the study of the behavior of species at the limits of their ranges. When the limits of a given species have been established, it can be learned whether the species is increasing or decreasing in numbers at the edge of its range and, from the nature of its habitat, just what environmental factors here restrict its range.

The collection of specimens in a county resulting in the preparation of a county flora is a field of research almost untouched in Oklahoma. If interested persons will undertake to collect specimens and make lists of the plants of their counties or smaller areas much can be added to the knowledge of the flora of the state. The universities and colleges of Oklahoma are the logical centers for these studies.

MANUALS SUITABLE FOR THE STUDY OF THE FLORA OF OKLAHOMA

No descriptive flora covers the entire area of Oklahoma although Small's (35) *Flora of the Southeastern United States* includes in its range all the state except the panhandle and contains a larger number of Oklahoma species than any of the other suitable manuals.

Other floras, which include bordering states, while satisfactory for use in certain sections of Oklahoma do not contain all the species which may be found where they are serviceable. Of these Britton and Brown's (5) *Illustrated Flora*, a three volume work containing illustrations of the species, is the best. This flora and the one volume manual condensed from it, Britton's (4) *Manual*, include the state of Kansas in their area and are suitable for use in most of the state. Gray's (31) *New Manual*, probably the most widely used manual in the state, omits a number of Oklahoma species since the southwestern limits of its area are Missouri and the eastern fourth of Kansas.

Although the Oklahoma panhandle has not been included in the area of any manual, floras of the adjacent sections may be used there. For the western part of the state including the panhandle Coulter's (8) *Botany of Western Texas* may be consulted. Rydberg's (32) *Flora of the Rocky Mountains and Adjacent Plains*, which includes the state of Colorado, and Wootton and Standley's *Flora of New Mexico* are of value for the western end of the panhandle.

Spring Flora of Oklahoma by T. R. Stemen and W. S. Meyers (36) of Central High School, Oklahoma City, will be found useful for the spring flowering plants. Although not a complete list, this manual includes 476 species and contains keys and descriptions of species.

Mattoon and Phillip's (20) *Forest trees of Oklahoma* describes and

illustrates a large number of the trees of the state. It may be obtained free of charge from George R. Phillips, State Forester, State Capitol, Oklahoma City, Oklahoma.

NEW COMBINATIONS PUBLISHED IN THIS LIST

Euphorbia malaca (Small) Little, p. 70.

Mentzelia stricta (Osterhout) Stevens, p. 73.

Oenothera interior (Small) Stevens, p. 74.

A PRELIMINARY LIST OF THE FERNS AND SEED PLANTS OF OKLAHOMA

PTERIDOPHYTA. Ferns and Fern-allies.

POLYPODIACEAE. Fern Family.

- Adiantum capillus-veneris* L. Venus-hair Fern.
Adiantum pedatum L. Maiden-hair Fern.
Asplenium bradleyi D. C. Eaton. Bradley's Spleenwort.
Asplenium filix-fermina (L.) Bernh. Lady-fern. Female-fern.
Asplenium parvulum Mart. & Gal. (*A. resiliens* Kunze.) Small Spleenwort.
Asplenium platyneuron (L.) Oakes. (*A. ebeneum* Ait.) Ebony Spleenwort.
Asplenium septentrionale (L.) Hoffm.
Asplenium trichomanes L. Maiden-hair Spleenwort.
Camptosorus rhizophyllus (L.) Link. Walking-fern.
Cheilanthes alabamensis (Buckl.) Kunze. Alabama Lip-fern.
Cheilanthes eatoni Baker. Eaton's Lip-fern.
Cheilanthes feci Moore. Slender Lip-fern.
Cheilanthes horridula Maxon.
Cheilanthes lanosa (Michx.) Watt. Hairy Lip-fern.
Cheilanthes lindheimeri Hook. Lindheimer's Lip-fern.
Cheilanthes tomentosa Link. Woolly Lip-fern.
Cheilanthes wootoni Maxon. Wooton's Lip-fern.
Cystopteris bulbifera (L.) Bernh. (*Filix bulbifera* (L.) Underw.) Bulblet
Cystopteris.
Cystopteris fragilis (L.) Bernh. (*Filix fragilis* (L.) Underw.) Brittle Fern.
Dryopteris filix-mas (L.) Schott. (*Aspidium filix-mas* (L.) Sw.) Male-fern.
Dryopteris marginalis (L.) Gray. (*Aspidium marginale* (L.) Sw.) Evergreen
Wood-fern.
Notholaena dealbata (Pursh) Kunze. Powdery Notholaena.
Notholaena hookeri D. C. Eaton. Yellow Powdery Fern.
Notholaena sinuata (Sw.) Kaulf. Sinuate Powdery Fern.
Notholaena standleyi Maxon. Standley's Powdery Fern.
Onclea sensibilis L. Sensitive Fern.
Pellaea atropurpurea (L.) Link. (*P. glabella* Mett.) Purple-stemmed Cliff-brake.
Pellaea ternifolia (Cav.) Link. Trifoliate Cliff-brake.
Pellaea wrightiana Hook. Wright's Cliff-brake.
Phegopteris hexagonoptera (Michx.) Fec. (*Dryopteris hexagonoptera* (Michx.)
C. Chr.) Broad Beech Fern.
Polypodium polypodioides (L.) Hitchc. Scaly Fern. Resurrection Fern. Gray
Polypody.
Polystichum acrostichoides (Michx.) Schott. Christmas Fern.
Pteris aquilina L. (*Pteridium aquilinum* (L.) Kuhn.) Common Brake Fern.
Woodsia mexicana Fec. Mexican Woodsia.
Woodsia obtusa (Spreng.) Torr. Blunt-lobed Woodsia.
Woodsia oregana D. C. Eaton. Oregon Woodsia.

OSMUNDACEAE. Royal Fern Family.

- Osmonda cinnamomea* L. Cinnamon Fern. Fiddle-heads.
Osmonda regalis L. Royal Fern.

OPHIOGLOSSACEAE. Adder's Tongue Family.

- Botrychium virginianum* (L.) Sw. Grape-fern. Rattlesnake Fern.
Ophioglossum engelmanni Prantl. Adder's-tongue.

MARSILEACEAE. Marsilea Family.

- Marsilea tenuifolia* Engelm. Running Water-fern.
Marsilea vestita Hook. & Grev. Hairy Marsilea. Hairy Running Water-fern.

EQUISETACEAE. Horse-tail or Scouring-rush family.*Equisetum hyemale* L. Common Scouring-rush.*Equisetum hyemale* var. *robustum* (A. Br.) A. A. Eaton. (*E. robustum* A. Br.)

Stout Scouring-rush.

Equisetum laevigatum A. Br. Smooth Scouring-rush.*Equisetum variegatum* Schleich. Variegated Scouring-rush.**SELAGINELLACEAE.** Selaginella Family.*Selaginella apus* (L.) Spring. Creeping Selaginella.*Selaginella rupestris* (L.) Spring. Rock Selaginella.*Selaginella sheldoni* Maxon. Sheldon's Selaginella.**ISOETACEAE.** Quillwort Family.*Isoetes busleri* Engelm. Butler's Quillwort.*Isoetes melanopoda* J. Gay. Black-based Quillwort.**SPERMATOPHYTA.** Seed Plants.**GYMNOSPERMAE.** Gymnosperms.**PINACEAE.** Pine Family.*Juniperus monosperma* (Engelm.) Sarg. One-seeded Cedar.*Juniperus scopulorum* Sarg. Mountain Red Cedar.*Juniperus virginiana* L. Red Cedar.*Pinus echinata* Mill. Yellow Pine. Shortleaf Pine.*Pinus edulis* Engelm. (*Caryopitys edulis* (Engelm.) Small.) Pinyon. Nut Pine.*Pinus ponderosa* Dougl. (*P. scopulorum* (Engelm.) Lemmon.) Western Yellow Pine. Rock Pine.*Pinus taeda* L. Loblolly Pine. Old-field Pine.*Taxodium distichum* (L.) Richard. Bald Cypress.**ANGIOSPERMAE.** Flowering Plants.**Monocotyledoneae.** Monocotyledons.**TYPHACEAE.** Cat-tail Family.*Typha angustifolia* L. Narrow-leaved Cat-tail. Salt-plains Cat-tail.*Typha latifolia* L. Broad-leaved Cat-tail.**SPARGANIACEAE.** Bur-reed Family.*Sparganium americanum* Nutt. Small Bur-reed.*Sparganium eurycarpum* Engelm. Large Bur-reed.**NAJADACEAE** (Including **ZANNICHELLIACEAE**). Pondweed Family.*Najas guadalupensis* (Spreng.) Morong. Small Naiad.*Potamogeton americanus* C. & S. Long-leaved Pondweed.*Potamogeton dimorphus* Raf. Short-stalked Spiral-seeded Pondweed.*Potamogeton foliosus* Raf. Leafy Pondweed.*Potamogeton hybridus* Michx. (*P. diversifolius* Raf.) Long-stalked Spiral-seeded Pondweed.*Potamogeton lucens* L. Shining Pondweed.*Potamogeton pectinatus* L. Fennel-leaved Pondweed.*Potamogeton pusillus* L. Small Pondweed.*Ruppia maritima* L. Ditch-grass. Tassel Pondweed.*Zannichellia palustris* L. Horned Pondweed.**ALISMACEAE.** Water-plantain Family.*Alisma plantago-aquatica* L. (*A. subcordatum* Raf.) Water-plantain.*Echinodorus cordifolius* (L.) Griseb. Upright Bur-head.*Echinodorus radicans* (Nutt.) Engelm. Creeping Bur-head.*Echinodorus tenellus* (Martius) Buch. (*Helianthium parvulum* (Engelm.) Small.) Dwarf Bur-head.*Lophotocarpus calycinus* (Engelm.) J. G. Smith. Large False Arrow-head.*Lophotocarpus spongiorus* (Engelm.) J. G. Smith. (*L. depauperatus* J. G. Smith.) Small False Arrow-head.*Sagittaria ambigua* J. G. Smith. Doubtful Arrow-head.

- Sagittaria arifolia* Nutt. (*S. cuneata* Sheldon.) Arum-leaved Arrow-head.
Sagittaria greminea Michx. Grass-leaved Arrow-head.
Sagittaria heterophylla Pursh. (*S. rigida* Pursh.) Sessile-fruited Arrow-head.
Sagittaria latifolia Willd. Broad-leaved Arrow-head.
Sagittaria longiloba Engelm. Long-lobed Arrow-head.
Sagittaria platyphylla (Engelm.) J. G. Smith. Ovate-leaved Arrow-head.

GRAMINEAE. Grass Family.

- Agropyron repens* (L.) Beauv. Couch grass.
Agropyron smithii Rydb. Western Wheat-grass.
Agropyron tenerum Vasey. Slender Wheat-grass.
Agrostis alba L. Red-top. Herd's-grass.
Agrostis eliottiana Schultes. Elliott's Bent-grass.
Agrostis hyemalis (Walt.) BSP. Rough Hair-grass. Silk-grass.
Agrostis perennans (Walt.) Tuckerm. Upland Bent-grass.
Alopecurus geniculatus L. Marsh Foxtail.
Alopecurus geniculatus var. *aristulatus* Torr. (*A. aristulatus* Michx.) Short-awned Foxtail.
Andropogon chrysocomus Nash. Yellow-haired Beard-grass.
Andropogon furcatus Muhl. Forked Beard-grass. Big Blue-stem.
Andropogon glomeratus (Walt.) BSP. Bushy Beard-grass.
Andropogon hallii Hack. Hall's Beard-grass.
Andropogon saccharoides Sw. (*A. torreyanus* Steud.; *Amphilophis saccharoides* (Sw.) Nash.) Torrey's Beard-grass.
Andropogon scoparius Michx. (*Schizachyrium scoparium* (Michx.) Nash.) Broom Grass.
Andropogon ternarius Michx. Silvery Beard-grass.
Andropogon virginicus L. Virginia Beard-grass.
Aristida basiramea Engelm. Forked Triple-awned Grass.
Aristida desmantha Trin. & Rupr. Western Triple-awned Grass.
Aristida dichotoma Michx. Poverty-grass.
Aristida dichotoma var. *curtissii* Gray. (*A. curtissii* (Gray) Nash.) Curtis's Triple-awned Grass.
Aristida fasciculata Torr. Triple-awned Beard-grass.
Aristida fendleriana Steud. Fendler'd Triple-awned Grass.
Aristida glauca Nees. Glauous Triple-awned Grass.
Aristida intermedia Scribn. & Ball. Plains Triple-awned Grass.
Aristida lanosa Muhl. Woolly Triple-awned Grass.
Aristida longiseta Steud. Long-awned Aristida
Aristida longispica Poir. (*A. gracilis* Ell.) Long-spiked Aristida.
Aristida micrantha (Vasey) Nash. Small-flowered Aristida.
Aristida oligantha Michx. Few-flowered Aristida.
Aristida purpurascens Poir. Arrow-grass.
Aristida purpurea Nutt. Purple Aristida.
Aristida ramosissima Engelm. Branched Aristida.
Aristida reverchonii Vasey. Reverchon's Aristida.
Aristida wrightii Nash. Wright's Triple-awned Grass.
Arundinaria macrosperma Michx. Giant Cane.
Arundinaria tecta (Walt.) Muhl. Scutch Cane. Small Cane.
Avena fatua L. Wild Oat.
Avena sativa L. Oats.
Avena sterilis L.
Bouteloua curtipendula (Michx.) Torr. (*Atheropogon curtipendulus* (Michx.) Fourn.) Tall Grama-grass.
Bouteloua gracilis (HBK.) Lag. (*B. oligostachya* (Nutt.) Torr.) Blue Grama-grass.
Bouteloua hirsuta Lag. Hairy Mesquite-grass
Bouteloua texana Wats. Texas Grama-grass.
Brachyelytrum erectum (Schreb.) Beauv. Bearded Short-husk.
Bromus ciliatus L. Fringed Brome-grass.
Bromus commutatus Schrad. Smooth Brome-grass.
Bromus inermis Leyss. Hungarian or Awnless Brome-grass.
Bromus purgans L. Hairy Wood-chess. Wild Chess.

- Bromus secalinus* L. Cheat. Chess.
Bromus tectorum L. Downy Brome-grass.
Bromus unioloides (Willd.) HBK. Southern Chess.
Buchloe dactyloides (Nutt.) Engelm. (*Bulbilis dactyloides* (Nutt.) Raf.) Buffalo Grass.
Calamovilfa gigantea (Nutt.) Scribn. & Merr. Giant Reed-grass.
Calamovilfa longifolia (Hook.) Hack. Long-leaved Reed-grass.
Cenchrus pauciflorus Benth. (*C. carolinianus* auth.) Sand-bur.
Chloris elegans HBK. Tall Chloris.
Chloris verticillata Nutt. Windmill Grass. Branching Foxtail.
Cinna arundinacea L. Wood or Sweet Reed-grass.
Cinna latifolia (Trev.) Griseb. Slender Wood or Sweet Reed-grass.
Cynodon dactylon (L.) Pers. (*Capriola dactylon* (L.) Kuntze.) Bermuda-grass.
Dactylis glomerata L. Orchard-grass.
Dactyloctenium aegyptium (L.) Richter. Crowfoot Grass.
Danthonia spicata (L.) Beauv. Common Wild Oat-grass.
Diarrhena diandra (Michx.) Wood. (*Diarina festucoides* Raf.; *Korycarpus arundinaceus* Zea.) American Korycarpus.
Digitaria filiformis (L.) Koeler. (*Syntherisma filiforme* (L.) Nash.) Slender Finger-grass.
Digitaria ischaemum Schreb. (*D. humifusa* Pers.; *Syntherisma ischaemum* (Schreb.) Nash.) Small Crab-grass.
Digitaria sanguinalis (L.) Scop. (*Syntherisma sanguinale* (L.) Dulac.) Large Crab-grass.
Digitaria villosa (Walt.) Ell. (*Syntherisma villosum* Walt.) Southern Slender Finger-grass.
Distichlis spicata (L.) Greene. Marsh Spike-grass. Salt-grass.
Echinochloa colona (L.) Link. Jungle Rice.
Echinochloa crusgalli (L.) Beauv. Barnyard-grass. Water-grass.
Eleusine indica (L.) Gaertn. Wiregrass. Crab-grass.
Elymus australis Scribn. & Ball. Short-spiked Wild Rye.
Elymus brachystachys Scribn. & Ball. Short-spiked Wild Rye.
Elymus canadensis L. Nodding Wild Rye.
Elymus canadensis var. *glabriflorus* Vasey. (*E. glabriflorus* (Vasey) Scrib. & Ball.) Smooth Southern Wild Rye.
Elymus jejunus (Ramaley) Rydb. Western Wild Rye.
Elymus robustus Scribn. & J. G. Sm. Large-spiked Wild Rye.
Elymus striatus Willd. Slender Wild Rye
Elymus striatus var. *arkansanus* (Scribn. & Ball.) Hitchc. (*E. arkansanus* Scribn. & Ball.) Smooth Slender Wild Rye.
Elymus virginicus L. Virginia Wild Rye.
Eragrostis capillaris (L.) Nees. Lace-grass. Tiny Love-grass.
Eragrostis cilianensis (All.) Link. (*E. megastachya* (Koeler) Link; *E. major* Host.) Strong-scented Love-grass.
Eragrostis curtispedicellata Buckl. Short-stalked Love-grass.
Eragrostis frankii Steud. Frank's Love-grass.
Eragrostis hirsuta (Michx.) Nees. Southern Love-grass.
Eragrostis hypnoides (Lam.) BSP. Smooth Creeping Love-grass.
Eragrostis lugens Nees. Southern Love-grass.
Eragrostis pectinacea (Michx.) Scribn. Meadow Love-grass.
Eragrostis pilosa (L.) Beauv. (*E. purshii* Schrad.; *E. caroliniana* (Sprng.) Scribn.) Small Tufted Love-grass.
Eragrostis refracta (Muhl.) Scrib. Meadow Love-grass.
Eragrostis secundiflora Presl. Clustered Love-grass.
Eragrostis sessilispica Buckl. (*A. camptocladus sessilispicus* (Buckley) Nash.) Sessile-spiked-Love-grass.
Eragrostis trichodes (Nutt.) Nash. Hair-like Love-grass.
Eragrostis weigeliana (Reichenb.) Bush. Hairy Creeping Love-grass.
Erianthus contortus Ell. Spiral-awned Beard-grass.
Erianthus divaricatus (L.) Hitchc. Wooley Beard-grass.
Erianthus ravennae (L.) Beauv. Ravenna-grass. Plume-grass.
Eriochloa acuminata (Presl.) Kunth.

- Eriochloa punctata* (L.) W. Hamilton. Dotted Millet.
Eriochloa serices Munro.
Festuca elatior L. Tall or Meadow Fescue-grass.
Festuca nutans Willd. Nodding Fescue-grass.
Festuca obtusa Spreng. Eastern Woodland Fescue-grass.
Festuca octoflora Walt. Slender Fescue-grass.
Festuca sciurea Nutt. Southern Fescue-grass.
Festuca shortii Kunth. Short's Fescue-grass.
Festuca versuta Beal. (*F. texana* Vasey.) Fescue-grass.
Glyceria nervata (Willd.) Trin. (*Panicularia nervata* (Willd.) Kuntze.) Meadow-grass. Nerved Manna-grass.
Gymnopogon ambiguus (Michx.) BSP. Broad-leaved Naked Beard-grass.
Hordeum jubatum L. Squirrel-tail Grass.
Hordeum nodosum L. Meadow Barley.
Hordeum pusillum Nutt. Little Barley.
Hordeum vulgare L. Barley.
Hystrix patula Moench. (*H. hystrix* (L.) Millsp.) Bottle-brush Grass.
Imperata hookeri Rupr. Hooker's Imperata.
Koeleria cristata (L.) Pers. Koeler's Grass. Crested Hair-grass.
Leersia oryzoides (L.) Sw. (*Homalocenchrus oryzoides* (L.) Poll.) Rice Cut-grass.
Leersia virginica Willd. (*Homalocenchrus virginicus* (Willd.) Britton.) White-grass.
Leptochloa attenuata Nutt. Sharp-scaled Leptochloa.
Leptochloa fascicularis (Lam.) Gray. (*Diplachne fascicularis* (Lam.) Beauv.) Clustered Salt-grass.
Leptochloa filiformis (Lam.) Beauv. Feather or Salt-grass.
Leptoloma cognatum (Schultes) Chase. Diffuse Crab-grass.
Lolium multiflorum Lam. Awned or Italian Rye-grass.
Lolium perenne L. Ray-grass. Rye-grass.
Lolium temulentum L. Darnel. Tare. Cheat.
Lycurus phleoides HBK. Texas Timothy. Wolf-tail.
Melica nutica Walt. Narrow Melic-grass.
Melica nitens Nutt. Tall Melic-grass.
Muhlenbergia arenicola Buckl. Drop-seed Grass.
Muhlenbergia capillaris (Lam.) Trin. Long-awned Hair-grass.
Muhlenbergia cuspidata (Torr.) Nash. (*Sporobolus brevifolius* (Nutt.) Scribn.) Prairie Rush-grass.
Muhlenbergia gracillima Torr. Filiform Dropseed.
Muhlenbergia mexicana (L.) Trin. Rock Dropseed.
Muhlenbergia racemosa (Michx.) BSP. Wild Timothy.
Muhlenbergia schreberi J. F. Gmel. Nimble Will Wire-grass.
Muhlenbergia sobolifera (Muhl.) Trin. Rock Dropseed.
Muhlenbergia sylvatica Torr. Woodland Dropseed.
Muhlenbergia tenuiflora (Willd.) BSP. Slender Satin-grass.
Munroa squarrosa (Nutt.) Torr. Munro's Grass.
Panicum aciculare Desv. Grisebach's Panic-grass.
Panicum agrostoides Spreng. Red-top Panic-grass.
Panicum anceps Michx. Beaked or Flat-stemmed Panic-grass.
Panicum angustifolium Ell. Narrow-leaved Panic-grass.
Panicum ashei Pearson. Ashe's Panic-grass.
Panicum barbipulvinatum Nash. Barbed Witch-grass.
Panicum barbulatorum Michx. (*P. microcarpon* Muhl.) Barbed Panic-grass.
Panicum boscii Poir. Bosc's Panic-grass.
Panicum brachyanthum Steud.
Panicum capillare L. Witch-grass. Tumble-weed.
Panicum clandestinum L. Corn-grass. Deer-tongue Grass.
Panicum commutatum Schultes. Variable Panic-grass.
Panicum condensum Nash. Dense Panic-grass.
Panicum dichotomisiflorum Michx. Spreading Witch-grass.
Panicum dichotomum L. Forked Panic-grass.
Panicum flexile (Gattinger) Scribn. Wiry Witch-grass.
Panicum gattingeri Nash. Gattinger's Witch-grass.
Panicum hians Ell. (*Steinchisma hians* (Ell.) Nash.) Gaping Panic-grass.

- Panicum huachucae* Ashe. Hairy Panic-grass.
Panicum helleri Nash. Heller's Panic-grass.
Panicum hillmani Chase. Hillman's Panic-grass.
Panicum lanuginosum Ell. Woolly Panic-grass.
Panicum lasifolium L. Broad-leaved Panic-grass.
Panicum lindheimeri Nash. Lindheimer's Panic-grass.
Panicum linearifolium Scrib. Low White-haired Panic-grass.
Panicum malacophyllum Nash. Soft-leaved Panic-grass.
Panicum microcarpon Muhl. Barbed Panic-grass.
Panicum milaceum L. Millet.
Panicum mutabile Scribn. & Smith. Tall Fringed Panic-grass.
Panicum obtusum HBK. Blunt Panic-grass. Range-grass.
Panicum oligosanthes Schultes. Few-flowered Panic-grass.
Panicum perlongum Nash. Long-stalked Panic-grass.
Panicum philadelphicum Bernh. Wood Witch-grass.
Panicum polyanthes Schultes. Small-fruited Panic-grass.
Panicum praecocius Hitchc. & Chase. Early-branching Panic-grass.
Panicum ravenelii Scribn. & Merr. Ravenel's Panic-grass.
Panicum scoparium Lam. Velvety Panic-grass.
Panicum scribnerianum Nash. Scribner's Panic-grass.
Panicum sphaerocarpon Ell. Round-fruited Panic-grass.
Panicum tennesseense Ashe. Tennessee Panic-grass.
Panicum texanum Buckl. Texas Panic-grass. Texas Millet.
Panicum villosissimum Nash. White-haired Panic-grass.
Panicum virgatum L. Switch-grass. Wild Red-Top.
Panicum wilcoxianum Vasey. Wilcox's Panic-grass.
Panicum xalapense HBK. (*P. laxiflorum* Lam.) Lax-flowered Panic-grass.
Pappophorum apertum Munro.
Paspalum bushii Nash. Bush's Paspalum.
Paspalum circulare Nash. Round-flowered Paspalum.
Paspalum distichum L. Joint-grass
Paspalum floridanum Michx. Florida Paspalum.
Paspalum laeve Michx. (*P. angustifolium* Le Conte.) Field Paspalum.
Paspalum laeviglume Scribn. (*P. pubiflorum glabrum* Vasey.) Smooth-scaled Paspalum.
Paspalum mucronatum Muhl. Water Paspalum.
Paspalum pubescens Muhl. (*P. muhlenbergii* Nash.) Pubescent Paspalum.
Muhlenberg's Paspalum.
Paspalum setaceum Michx. Slender Paspalum.
Paspalum stramineum Nash. Straw-colored Paspalum.
Phalaris angusta Nees. Canary-grass.
Phalaris canariensis L. Canary or Birdseed-grass.
Phalaris caroliniana Walt. Carolina Canary-grass.
Phleum pratense L. Timothy.
Phragmites communis Trin. (*P. phragmites* (L.) Karst.) Common Reed-grass.
Poa annua L. Annual or Drawf Meadow-grass
Poa arachnifera Torr. Texas Blue-grass.
Poa arida Vasey. Prairie or Bunch Spear-grass.
Poa bigelovii Vasey & Scribn. Western Spear-grass.
Poa chapmaniana Scribn. Chapman's Spear-grass.
Poa compressa L. Wire-grass. English Blue-grass.
Poa glabrescens Nash.
Poa pratensis L. Kentucky Blue-grass
Poa sylvestris Gray. Sylvan Spear-grass.
Polygonum monspeliensis (L.) Desf. Annual Beard-grass.
Redfielda flexuosa (Thurb.) Vasey. Redfeld's-grass.
Rottboellia cylindrica (Michx.) Torr. (*Coelorachis cylindrica* Michx. Nash;
Manisuris cylindrica (Michx.) Kuntze.) Pitted Joint-grass.
Sacciolepis striata (L.) Nash. Gibbous Panic-grass.
Schedonnardus paniculatus (Nutt.) Trel. Texas Crab-grass. Wire-grass.
Setaria geniculata (Lam.) Beauv. (*S. imberbis* R. & S.; *Chaetochloa geniculata* (Lam.) Müllsp. & Chase; *C. imberbis* (Poir.) Scribn.) Perennial Foxtail-grass.

Setaria italica (L.) Beauv. (*Chaetochloa italica* (L.) Scribn.) Italian Millet. Hungarian-grass.

Setaria lutescens (Weigel) Hubb. (*S. glauca* auth.; *Chaetochloa lutescens* (L.) Scribn.; *C. glauca* auth.) Yellow Foxtail-grass.

Setaria viridis (L.) Beauv. (*Chaetochloa viridis* (L.) Scribn.) Green Foxtail-grass.

Sitanion longifolium J. G. Sm. (*S. elymoides* Raf.) Long-bristled Wild Rye.

Sorghastrum nutans (L.) Nash. Indian-grass.

Sorghum halepense (L.) Pers. (*Holcus halepensis* L.) Johnson-grass.

Sorghum vulgare Pers. (*Holcus sorghum* L.) Sorghum. Kafir Corn.

Spartina michauxiana Hitchc. (*S. cynosuroides* Gray.) Tall Marsh-grass.

Sphenopholis obtusata (Michx.) Scribn. Early Bunch-grass.

Sphenopholis pallens (Spreng.) Scribn. Tall Eaton's Grass.

Sporobolus airoides Torr. Hair-grass Dropseed.

Sporobolus angustus Buckl. Dense Rush-grass.

Sporobolus argutus (Nees) Kunth. Pointed Dropseed-grass.

Sporobolus asper (Michx.) Kunth. (*S. longifolius* (Torr.) Wood.) Long-leaved Rush-grass.

Sporobolus asperifolius (Nees & Meyen) Thurber. Rough-leaved Dropseed.

Sporobolus canosirens Nash. Gray-green Rush-grass.

Sporobolus clandestinus (Spreng.) Hitchc. Rough Rush-grass.

Sporobolus cryptandrus (Torr.) Gray. Sand Dropseed.

Sporobolus drummondii (Trin.) Vasey. Drummond's Rush-grass.

Sporobolus heterolepis Gray. Northern Dropseed.

Sporobolus macrus (Trin.) Hitchc.

Sporobolus neglectus Nash. Small Rush-grass.

Sporobolus texanus Vasey. Texas Dropseed.

Sporobolus vaginiflorus (Torr.) Wood. Sheathed Rush-grass.

Stipa leucotricha Trin. Porcupine-grass.

Tridens albescens (Vasey) Woot. & Standl. (*Rhombolytrum albescens* (Vasey) Nash; *Triodia albescens* Vasey.) White Prairie-grass.

Tridens elongatus (Buckl.) Nash. (*Triodia elongata* (Buckl.) Scribn.) Long-panicked Three-toothed Grass.

Tridens flavus (L.) Hitchc. (*Triodia flava* (L.) Hitchc.; *Triodia cupera* Jacq.) Tall Red-top.

Tridens pilosus (Buckl.) Hitchc. (*Erioneuron pilosum* (Buckl.) Nash. Sharp-scaled Three-toothed Grass.

Tridens strictus (Nutt.) Nash. (*Triodia stricta* (Nutt.) Benth.) Narrow Three-toothed Grass.

Tridens texanus (Thurb.) Nash. (*Triodia texana* Thurb.) Texas Three-toothed Grass.

Triplasis purpurea (Walt.) Chapm. Sand-grass.

Tripsacum dactyloides L. Gama-grass. Bull-grass.

Trisetum interruptum Buckl.

Triticum aestivum L. Wheat.

Triticum cylindricum (Host.) Ces.

Uniola latifolia Michx. Broad-leaved Spike-grass.

Uniola laxa (L.) BSP. Slender Spike-grass.

Uniola longifolia Scribn. Long-leaved Spike-grass.

Zea mays L. Indian Corn. Corn.

Zizaniopsis miliacea (Michx.) Doell & Asch. Zizaniopsis.

CYPERACEAE Sedge Family.

Carex arkansana Bailey. Arkansas Sedge.

Carex bicknellii Britton. Bicknell's Sedge.

Carex brittoniana Bailey. Britton's Sedge.

Carex bushii Mackenzie. Bush's Sedge.

Carex camporum Mackenzie. (*C. marcida* Boott.) Clustered Field Sedge.

Carex cherokeensis Schwein. Cherokee Sedge.

Carex crawei Dewey. Crawe's Sedge.

Carex davisii Schwein. & Torr. Davis's Sedge.

Carex festucacea Schkuhr. Fescue Sedge.

Carex frankii Kunth. Frank's Sedge.

Carex granularis Muhl. Meadow Sedge.

Carex gravida Bailey. Heavy Sedge.

- Carex grisea* Wahlenb. Gray Sedge.
Carex halei Carey. (*C. louisianica* Bailey.) Louisiana Sedge.
Carex hystericina Muhl. Porcupine Sedge.
Carex jamesii Schwein. James's Sedge.
Carex lanuginosa Michx. Woolly Sedge.
Carex laxiflora Lam. Loose-flowered Sedge.
Carex leavenworthii Dewey. Leavenworth's Sedge.
Carex lupulina Muhl. Hop Sedge.
Carex lurida Wahl. Sallow Sedge.
Carex microdonta Torr.
Carex mirabilis Dewey. (*C. normalis* Mackenzie. Large Straw Sedge.
Carex muhlenbergii Schkuhr. Muhlenberg's Sedge.
Carex muhlenbergii var. *australis* Olney. (*C. austrina* (Small) Mackenzie.) Southern Sedge.
Carex nebraskensis Dewey. Nebraska Sedge.
Carex oklahomensis Mackenzie. Oklahoma Sedge.
Carex oligocarpa Schkuhr. Few-fruited Sedge.
Carex polygama Schkuhr. (*C. busbaumii* Wahl.) Brown Sedge.
Carex retroflexa Muhl. Reflexed Sedge.
Carex riparia W. Curtis. Lake-bank Sedge.
Carex shortiana Dewey. Short's Sedge.
Carex sparganioides Muhl. Bur-reed Sedge.
Carex straminea Willd. Straw Sedge.
Carex stricta Lam. Tussock Sedge.
Carex tetanica Schkuhr. var. *meadii* (Dewey) Bailey. (*C. meadii* Dewey.) Mead's Sedge.
Carex triangularis Boeckl.
Carex tribuloides Wahl. Blunt Broom Sedge.
Carex triceps Michx. var. *hirsuta* (Willd.) Bailey. (*C. complanata* Torr.) Hirsute Sedge.
Carex umbellata Schkuhr. Umbel-like Sedge.
Carex varia Muhl. Emmons's Sedge.
Carex vulpinoidea Michx. Fox Sedge.
Cyperus acuminatus Torr. & Hook. Short-pointed Cyperus.
Cyperus buckleyi Britton. Buckley's Cyperus.
Cyperus diandrus Torr. Low Cyperus.
Cyperus erythrorhizus Muhl. Red-rooted Cyperus.
Cyperus esculentus L. Yellow Nut-grass.
Cyperus ferox Rich. (*C. speciosus* Vahl.) Coarse Cyperus.
Cyperus filiculmis Vahl. (*C. bushii* Britton.) Slender Cyperus.
Cyperus hallii Britton. Hall's Cyperus.
Cyperus inflexus Muhl. (*C. aristatus* Boeckl.) Awned Cyperus.
Cyperus ovularis (Michx.) Torr. Globose Cyperus.
Cyperus plankii Britton. Plank's Cyperus.
Cyperus pseudovegetus Steud. Marsh Cyperus.
Cyperus rotundus L. Nut-grass.
Cyperus schweinitzii Torr. Schweinitz's Cyperus.
Cyperus strigosus L. Straw-colored Cyperus.
Cyperus subumiflorus Britton.
Cyperus uniflorus Torr. & Hook.
Eleocharis acicularis (L.) R. & S. Least Spike-rush.
Eleocharis acuminata (Muhl.) Nees. Flat-stemmed Spike-rush.
Eleocharis arenicola Torr. Sand-bar Spike-rush.
Eleocharis atropurpurea (Retz.) Kunth. Purple Spike-rush.
Eleocharis engelmannii Steud. Engelmann's Spike-rush.
Eleocharis obtusa (Willd.) Shultes. Blunt Spike-rush.
Eleocharis palustris (L.) R. & S. Creeping Spike-rush.
Eleocharis rostellata Torr. Walking Spike-rush.
Fimbristylis autumnalis (L.) R. & S. Slender Umbelled Spike-rush.
Fimbristylis castanea (Michx.) Vahl. var. *puberula* (Michx.) Britton. (*F. puberula* (Michx.) Vahl.) Hairy Umbelled Spike-rush.
Fimbristylis frankii Steud. (*F. geminata* (Nees) Kunth.) Low Umbelled Spike-rush.
Fimbristylis interior Britton. Plains Umbelled Spike-rush.

Fimbristylis laxa Vahl. Weak Umbelled Spike-rush.
Fimbristylis vahlüi (Lam.) Link. Vahl's Umbelled Spike-rush.
Fuirena hispida Ell. Hairy Umbrella-grass.
Fuirena simplex Vahl. Western Umbrella-grass.
Hemicarpha micrantha (Vahl) Britton. Dwarf Sedge.
Rynchospora cymosa Ell. Grass-like Beak-rush.
Rynchospora glomerata (L.) Vahl. Clustered Beak-rush.
Rynchospora macrostachya Torr. (*R. corniculata* auth.) Horned-rush.
Scirpus americanus Pers. Three-cornered Bulrush. Sand-bar Bulrush.
Scirpus campestris Britton. (*S. paludosus* Nels.) Prairie Bulrush.
Scirpus carinatus (H. & A.) Gray. Keeled Bulrush.
Scirpus cyperinus (L.) Kunth. Wool-grass. Woolly Bulrush.
Scirpus lineatus Michx. Reddish Bulrush.
Scirpus occidentalis (Wats.) Chase. Short-bristled Great Bulrush.
Scirpus pallidus (Britton) Fernald. Pale Bulrush.
Scirpus validus Vahl. Great Bulrush.
Scleria ciliata Michx. (*S. elliottii* Chapm.) Hairy Nut-rush.
Scleria pauciflora Muhl. Papillose Nut-rush.
Scleria triglomerata Michx. Tall Nut-rush.
Stenophyllus capillaris (L.) Britton. Hair-like Stenophyllus.

ARACEAE. Arum Family.

Arisaema dracontium (L.) Schott. Green Dragon. Dragonroot.
Arisaema triphyllum (L.) Schott. Indian Turnip. Jack-in-the-pulpit.
Peltandra virginica (L.) Kunth. Green Arrow-arum.

LEMNACEAE. Duck-weed Family.

Lemna perpusilla Torr. (*L. trinervis* (Austin) Small.) Minute Duck-weed.
Lemna valdiviana Philippi (*L. cyclostata* (Ell.) Chev.) Valdivia Duck-weed.
Spirodela polyrhiza (L.) Schleid. Greater Duck-weed.
Wolffia columbiana Karst. Columbia Wolfia.

XYRIDACEAE. Yellow-eyed Grass Family.

Xyris flexuosa Muhl. Yellow-eyed Grass.

ERIOCAULACEAE. Pipewort Family.

Eriocaulon articulatum (Huds.) Morong. (*E. septangulare* (With.) Seven-angled Pipewort.

COMMELINACEAE. Spiderwort Family.

Commelina crispa Wooton. Crinkle-leaved Day-flower.
Commelina erecta L. Slender Day-flower.
Commelina hirtella Vahl. Bearded Day-flower.
Commelina nudiflora L. Creeping Day-flower.
Commelina virginica L. Virginia Day-flower.
Cuthbertia graminea Small. Grass-like Spiderwort.
Tradescantia occidentalis (Britton) Smyth. Western Spiderwort.
Tradescantia reflexa Raf. Reflexed Spiderwort.
Tradescantia virginiana L. Spiderwort. Trinity.

PONTEDERIACEAE. Pickerel-weed Family.

Heteranthera limosa (Sw.) Willd. Small Mud-plantain.
Heteranthera reniformis R. & P. Mud-plantain.
Pontederia cordata L. Pickerel-weed.

JUNCACEAE. Rush Family.

Juncus acuminatus Michx. Sharp-fruited Rush.
Juncus aristulatus Michx. Large Grass-leaved Rush.
Juncus balticus Willd. var. *littoralis* Engelm. Baltic Rush.
Juncus brachycarpus Engelm. Short-fruited Rush.
Juncus brachycephalus (Engelm.) Buch. Small-headed Rush.
Juncus brachyphyllus Wiegand. Short-leaved Rush.
Juncus crassifolius (Michx.) Buch.
Juncus diffusissimus Buckl. Diffused Rush.

- Juncus dudleyi* Wiegand. Dudley's Rush.
Juncus effusus L. Common Rush.
Juncus interior Wiegand. Inland Rush.
Juncus marginatus Rostk. Grass-leaved Rush.
Juncus marginatus var. *setosus* Coville. (*J. setosus* (Coville) Small.) Awn-pointed Rush.
Juncus polycephalus Michx. Many-headed Rush.
Juncus repens Michx. Creeping Rush.
Juncus robustus (Engelm.) Coville. (*J. nodatus* Coville.) Stout Rush.
Juncus scirpoides Lam. Scirpus-like Rush.
Juncus setaceus Rostk. Spiny-leaved Rush.
Juncus tenuis Willd. Slender Rush.
Juncus torreyi Coville. Torrey's Rush.
Luzula campestris (L.) DC. var. *bulbosa* Wood. (*Juncoides bulbosum* (Wood) Small.) Common Wood-rush. Black-caps

LILIACEAE (Including **MELANTHACEAE**, **CONVALLARIACEAE**, **TRILLIACEAE**, and **SMILACEAE**). Lily Family.

- Allium arenicola* Small. Sand Onion.
Allium canadense L. Meadow Garlic.
Allium mutabile Michx. Large Wild Onion.
Allium nuttallii Wats. Nuttall's Wild Onion.
Allium reticulatum Don. Fraser's Wild Onion.
Allium stellatum Ker. Prairie Wild Onion.
Amianthium muscaetoxicum (Walt.) Gray. (*Chrosperma muscaetoxicum* (Walt.) Kuntze.) Fly-poison.
Androstephium coeruleum (Scheele) Greene. Androstephium.
Asparagus officinalis L. Asparagus.
Camassia esculenta (Ker.) Robinson. (*Quamasia hyacinthina* (Raf.) Britton.) Wild Hyacinth.

- Erythronium albidum* Nutt. White Dog-tooth Violet.
Erythronium americanum Ker. Yellow Dog-tooth Violet.
Erythronium mesochoreum Knerr. Midland Dog-tooth Violet.
Nothoscordum bivalve (L.) Britton. Yellow False Garlic. False Onion.
Ornithogalum umbellatum L. Star-of-Bethlehem. Star Flower.
Polygonatum commutatum (R. & S.) Dietr. Smooth or Great Solomon's Seal.
Smilacina racemosa (L.) Desf. (*Vagnera racemosa* (L.) Morong.) False Spike-nard. False Solomon's Seal.
Smilax bona-nox L. Spiny-leaved Greenbrier.
Smilax eckirrhata (Engelm.) Wats. Upright Greenbrier.
Smilax glauca Walt. Glaucous-leaved Greenbrier. Sarsaparilla. Saw-brier.
Smilax herbacea L. Carrion Flower.
Smilax hispida Muhl. Bristly Greenbrier. Bristly Sarsaparilla.
Smilax pseudo-china L. Long-stalked Greenbrier.
Smilax rotundifolia L. Common Greenbrier. Horse-brier.
Trillium viridescens Nutt. Wake-robin. Trillium.
Uvularia grandiflora J. E. Smith. Large-flowered Bellwort.
Veratrum woodii Robbins. Wood's False Hellebore.
Yucca arkansana Trel. Arkansas Yucca. Arkansas Soap-root.
Yucca glauca Nutt. Yucca. Soap-weed.
Yucca louisianensis Trel. Louisiana Yucca. Louisiana Soap-root.
Zygadenus nuttallii Gray. (*Toxicoscordion nuttallii* (Gray) Rydb.) Nuttall's Camass.

DIOSCOREACEAE. Yam Family.

- Dioscorea villosa* L. (*D. paniculata* Michx.) Wild Yam-root. Colic-root.

AMARYLLIDACEAE. Amaryllis Family.

- Agave virginica* L. (*Manifreda virginica* (L.) Salisb.) False Aloe. Rattlesnake Master.
Cooperia drummondii Herb. Prairie Lily
Hymenocallis occidentalis (Le Conte) Kunth. Hymenocallis.
Hypoxis hirsuta (L.) Coville. Yellow Star-grass.

IRIDACEAE. Iris Family.

- Iris cristata* Ait. Crested Dwarf Iris.
Nemastylis acuta (Bart.) Herb. Northern Grass-lily.
Nemastylis coelestina (Bart.) Nutt. Southern Grass-lily.
Sisyrinchium angustifolium Mill. Pointed Blue-eyed Grass.
Sisyrinchium bushii Bickn. Bush's Blue-eyed Grass.
Sisyrinchium campestre Bickn. Prairie Blue-eyed Grass.
Sisyrinchium gramineum W. Curtis. (*S. graminoides* Bickn.) Stout Blue-eyed Grass.
Sisyrinchium varians Bickn. Variable Blue-eyed Grass.

MARANTACEAE. Arrow-root Family.

- Thalia dealbata* Roscoe. Powdery Thalia.

ORCHIDACEAE. Orchid Family.

- Aplectrum hyemale* (Muhl.) Torr. Adam-and-Eve. Putty-root.
Corallorrhiza wisteriana Conrad. Wister's Coral-root.
Spiranthes cernua (L.) Richard. (*Ibidium cernuum* (L.) House.) Drooping Ladies' Tresses.
Spiranthes gracilis (Bigel.) Beck. (*Ibidium gracile* (Bigel.) House.) Slender Ladies' Tresses.
Spiranthes vernalis Engelm. & Gray. (*Ibidium vernale* (Engelm. & Gray) House.) Linear-leaved Ladies' Tress.

Dicotyledoneae. Dicotyledons.

PIPERACEAE (Including SAURURACEAE). Pepper Family

- Saururus cernuus* L. Lizard's Tail.

SALICACEAE. Willow Family.

- Populus alba* L. Silver-leaved Poplar. White Poplar.
Populus deltoides Marsh. (*P. balsamifera* auth.) Cotton-wood. Carolina Poplar.
Populus sargentii Dode. Western Cottonwood.
Salix amygdaloides Anders. Peach-leaved Willow. Almond Willow.
Salix humilis Marsh. Prairie Willow.
Salix longifolia Muhl. (*S. exigua* Nutt. in part; *S. fluviatilis* auth.; *S. interior* Row-lee.) Sandbar Willow.
Salix longipes Shuttlew. var. *venulosa* Schneider. Black Willow.
Salix longipes var. *wardii* (Bebb) Schneider. (*S. wardii* Bebb.) Black Willow. Ward's Willow.
Salix missouriensis Bebb. (*S. cordata* auth. in part.) Missouri Willow.
Salix nigra Marsh. Black Willow.

JUGLANDACEAE. Walnut Family.

- Carya alba* (L.) K. Koch. (*Hicoria alba* (L.) Britton.) Mockernut. White-heart Hickory.
Carya aquatica (Michx. f.) Nutt. (*Hicoria aquatica* (Michx. f.) Britton.) Water or Swamp Hickory.
Carya buckleyi Durand. (*Hicoria buckleyi* (Durand) Sudw.) Buckley's Hickory. Black Hickory.
Carya buckleyi var. *arkansana* Sarg. (*C. arkansana* Sarg.; *Hicoria buckleyi* var. *arkansana* (Sarg.) Ashe.) Arkansas Hickory.
Carya cordiformis (Wng.) K. Koch. (*Hicoria cordiformis* (Wang.) Britton; *H. minima* Britton.) Bitter-nut. Swamp or White Hickory.
Carya glabra (Mill.) Spach. (*Hicoria glabra* (Mill.) Britton.) Pignut Hickory.
Carya glabra var. *villosa* (Sarg.) Robinson. (*Hicoria villosa* (Sarg.) Ashe.) Pignut Hickory.
Carya illinoensis (Wang.) K. Koch. (*Hicoria pecan* (Marsh.) Britton.) Pecan.
Carya laciniosa (Michx. f.) Loud. (*Hicoria laciniosa* (Michx. f.) Sarg.) Big Shag-bark or King-nut Hickory.
Carya myristicaeformis (Michx. f.) Nutt. (*Hicoria myristicaeformis* (Michx. f.) Britton.) Nutmeg Hickory.
Carya ovata (Mill.) K. Koch. (*Hicoria ovata* (Mill.) Britton.) Shag-bark, Scaly-bark, or Shell-bark Hickory.

Carya texana Leconte. (*Hicoria texana* (Leconte) Britton.) Texas Hickory.
Juglans nigra L. Black Walnut.
Juglans rupestris Engelm. Little Walnut.

BETULACEAE. Birch Family.

Alnus maritima (Marsh.) Muhl. Sea-side Alder.
Alnus rugosa (Du Roi) Spreng. Smooth or Hazel Alder.
Betula nigra L. River or Red Birch.
Carpinus caroliniana Walt. American Hornbeam.
Corylus americana Walt. Hazel-bush. Filbert Tree.
Ostrya virginiana (Mill.) K. Koch. Ironwood. Hop Hornbeam.

FAGACEAE. Beech Family.

Castanea ozarkensis Ashe. Chinquapin.
Castanea pumila (L.) Mill. Chinquapin.
Fagus grandifolia Ehrh. American Beech.
Quercus alba L. White Oak.
 × *Quercus andrewsii* Sarg. Hybrid Oak.
Quercus bicolor Willd. Swamp White Oak.
Quercus borealis Michx. f. (Formerly designated as *Q. rubra* L.) Red Oak. Northern Red Oak.
 × *Quercus bushii* Sarg. Hybrid Oak.
Quercus cinerea Michx. Blue-jack Oak. Upland Willow Oak.
Quercus coccinea Muench. Scarlet Oak.
 × *Quercus heterophylla* Michx. f. Bartram Oak. Hybrid Oak.
Quercus macrocarpa Michx. Bur Oak. Mossy-cup Oak.
Quercus marilandica Muench. Black Jack Oak. Barren Oak.
Quercus mohriana Rydb. Shin Oak.
Quercus muhlenbergii Engelm. Yellow Oak. Chesnut Oak. Rock Oak. Chinquapin Oak.
Quercus nigra L. Water Oak.
Quercus palustris Muench. Pin Oak. Swamp Oak.
Quercus phellos L. Willow Oak. Peach Oak.
Quercus prinoides Willd. Scrub Oak. Dwarf Chesnut Oak.
Quercus prinus L. (Formerly designated as *Q. michauxii* Nutt.) Basket Oak. Cow Oak. Swamp Chesnut Oak.
Quercus rubra L. (*Q. falcata* Michx.; *Q. triloba* Michx.) Southern Red Oak. Spanish Oak.
Quercus shumardii Buckl. (*Q. texana* Sarg.) Shumard's Red Oak. Spotted Oak.
Quercus shumardii Buckl. var. *schneckii* (Britton) Sarg. (*Q. schneckii* Britton.) Schneck's Red Oak. Spotted Oak.
Quercus stellata Wang. Post Oak.
Quercus undulata Torr. Running Oak. Shin Oak. Scrub Oak.
Quercus velutina Lam. Black Oak. Yellow-barked Oak.

URTICACEAE (Including **ULMACEAE**, **MORACEAE**, and **CANNABINACEAE**.)

Nettle Family.
Boehmeria cylindrica (L.) Sw. False Nettle.
Broussonetia papyrifera (L.) Vent. (*Papyrius papyrifera* (L.) Kuntze.) Paper Mulberry.
Cannabis sativa L. Hemp.
Celtis laevigata Willd. (*C. mississippiensis* Bosc.) Southern Hackberry.
Celtis occidentalis L. Northern Hackberry. Sugar-berry
Celtis occidentalis var. *canina* (Raf.) Sarg. (*C. canina* Raf.) Hackberry.
Celtis occidentalis var. *crassifolia* (Lam.) Gray. (*C. crassifolia* Lam.) Rough-leaved Hackberry.
Celtis pumila Pursh. (*C. occidentalis* var. *pumila* Muhl.) Dwarf Hackberry.
Celtis pumila var. *georgiana* (Small) Sarg. (*C. georgiana* Small.) Georgia Hackberry.
Celtis reticulata Torr. Thick-leaved Hackberry.
Humulus lupulus L. Common Hop.
Laportea canadensis (L.) Gaud. (*Urticastrum divaricatum* (L.) Kuntze.) Wood Nettle. Stinging Nettle.

- Maclura pomifera* (Raf.) Schneider. (*Torylon pomiferum* (Raf.) Sarg.) Osage Orange. Bois d'Arc. Hedge-tree.
Morus alba L. White Mulberry.
Morus nigra L. Black Mulberry.
Morus rubra L. Red Mulberry. Wild Mulberry.
Parietaria pennsylvanica Muhl. Pellitory.
Pilea pumila (L.) Gray. Clearweed. Richweed.
Planera aquatica (Walt.) J. F. Gmel. Planer-tree. Water Elm.
Ulmus alata Michx. Winged, Cedar, or Wahoo Elm.
Ulmus americana L. White, American, or Water Elm.
Ulmus fulva Michx. Slippery or Red Elm.
Ulmus serotina Sarg. Red or September Elm.
Urtica chamaedryoides Pursh. Weak Stinging-nettle.

SANTALACEAE. Sandalwood Family.

- Comandra pallida* A. DC. Western Bastard Toad-flax. Pale Comandra.

LORANTHACEAE. Mistletoe Family.

- Phoradendron flavescens* (Pursh) Nutt. American Mistletoe.

ARISTOLOCHIACEAE. Dutchman's-pipe Family.

- Aristolochia macrophylla* Lam. Dutchman's-pipe.
Aristolochia serpentaria L. Virginia Snakeroot. Serpentaria.
Aristolochia tomentosa Sims. Woolly Pipe-vine.

POLYGONACEAE. Buckwheat Family.

- Brunnichia cirrhosa* Gaertn. Brunnichia.
Eriogonum alatum Torr. Winged Gray-weed.
Eriogonum annuum Nutt. Annual Gray-weed.
Eriogonum jamesii Benth. James's Gray-weed.
Eriogonum lachnogynum Torr. Long-rooted Gray-weed.
Eriogonum longifolium Nutt. Long-leaved Gray-weed.
Eriogonum tenellum Torr. Small Gray-weed.
Eriogonum triste Wats.
Polygonum acre HBK. (*Persicaria punctata* (Ell.) Small.) Water Smart-weed.
Dotted Water Pepper.
Polygonum aviculare L. Joint-weed. Pink-weed. Knot-grass.
Polygonum convolvulus L. (*Tiniaria convolvulus* (L.) Webb & Moq.) Black Bind-weed.
Polygonum douglasii Greene. Douglas's Joint-weed.
Polygonum dumetorum L. (*Tiniaria dumetorum* (L.) Opiz; *T. cristata* (Engelm. & Gray) Small. Hedge Bindweed. False Buckwheat.
Polygonum erectum L. Erect Joint-weed.
Polygonum hydropiper L. Common Smart-weed.
Polygonum hydropiperoides Michx. (*Persicaria hydropiperoides* (Michx.) Small;
Persicaria opelousana (Ridd.) Small.) Mild Smart-weed. Mild Water Pepper.
Polygonum lapathifolium L. (*Persicaria lapathifolia* (L.) S. F. Gray.) Dock-leaved Joint-weed.
Polygonum longistylum Small. (*Persicaria longistyla* Small.) Long-styled Joint-weed.
Polygonum muhlenbergii (Meisn.) Wats. (*Persicaria muhlenbergii* (Meisn.) Small.) Swamp Joint-weed.
Polygonum pennsylvanicum L. (*Persicaria pennsylvanica* (L.) Small.) Showy Joint-weed.
Polygonum persicaria L. (*Persicaria persicaria* (L.) Small.) Lady's Thumb. Lady's Finger. Heartscase.
Polygonum proliferum (Small) Robinson. Long-sheathed Joint-weed. Proliferous Knotweed.
Polygonum ramosissimum Michx. Bushy Joint-weed.
Polygonum scandens L. (*Tiniaria scandens* (L.) Small.) Climbing False Buckwheat.
Polygonum tenue Michx. Slender Joint-weed.
Polygonum virginianum L. (*Tovara virginiana* (L.) Raf.) Broad-leaved Joint-weed.
Rumex acetosella L. Field Sorrel. Sheep Sorrel.
Rumex altissimus Wood. Pale or Tall Dock.
Rumex crispus L. Yellow or Curly Dock.

Rumex hastatulus Baldw. Dwarf Dock.
Rumex hymenosepalus Torr.
Rumex obtusifolius L. Bitter Dock.
Rumex patientia L. Patience Dock.
Rumex venosus Pursh. Winged Dock.
Rumex verticillatus L. Swamp Dock.

CHENOPODIACEAE. Goosefoot Family.

Atriplex argentea Nutt. Saltweed. Silvery Orache.
Atriplex canescens (Pursh) James. Bushy Atriplex.
Chenopodium album L. Lamb's Quarters. Pigweed.
Chenopodium album var. *viride* (L.) Moq. (*C. viride* L.) Lamb's Quarters.
Chenopodium ambrosioides L. Mexican Tea.
Chenopodium boscianum Moq. Bosc's Goosefoot.
Chenopodium hybridum L. Maple-leaved Goosefoot.
Chenopodium incanum (Wats.) Heller. Mealy Goosefoot.
Chenopodium leptophyllum Nutt. Narrow-leaved Goosefoot.
Chenopodium murale L. Nettle-leaved Goosefoot.
Corispermum hysopifolium L. Bug-seed.
Cyclocoma atriplicifolium (Spreng.) Coult. Sand Tumble-weed.
Kochia scoparia (L.) Schrad. Summer Cypress.
Monolepis nuttalliana (R. & S.) Wats. Monolepis.
Salsola kali L. var. *tenuifolia* G. F. W. Mey. (*S. pestifer* A: Nels.) Russian Thistle.
 Russian Cactus.
Suaeda linearis (Ell.) Moq. (*Dondia linearis* (Ell.) Millsp.) Tall Sea-blite.

AMARANTHACEAE. Amaranth Family.

Acnida tamariscina (Nutt.) Wood. Western Water-hemp.
Amaranthus blitoides Wats. Prostrate Amaranth.
Amaranthus graecizans L. Tumble-weed.
Amaranthus hybridus L. Dark Green Pig-weed.
Amaranthus retroflexus L. Light Green Pig-weed.
Amaranthus spinosus L. Spiny Amaranth.
Cladanthus lanuginosa Nutt. Cladanthus.
Froelichia floridana (Nutt.) Moq. (Including *F. campestris* Small.) Prairie Froelichia.
Froelichia gracilis Moq. Slender Froelichia.
Gossypianthus lanuginosus (Poir.) Moq.
Gossypianthus sheldonii (Uline & Bray) Small. Sheldon's Gossypianthus.
Iresine paniculata (L.) Kuntze. Blood-leaf. Juba's Bush.

PHYTOLACCACEAE. Pokeweed Family.

Phytolacca americana L. (*P. decandra* L.) Poke-weed. Pokeroot.
Rivina humilis L. var. *glabra* L. Smooth Dwarf Pokeroot.

NYCTAGINACEAE. Four-o'clock Family.

Abronia fragrans Nutt. White Abronia.
Oxybaphus albidus. (Walt.) Sweet. (*Allionia albida* Walt.) Pale Wild Four-o'clock.
Oxybaphus carletoni (Standley) Weatherby. (*Allionia carletoni* Standley.) Carleton's Wild Four-o'clock.
Oxybaphus exaltatus (Standley) Weatherby. (*Allionia exaltata* Standley.) Tall Wild Four-o'clock.
Oxybaphus floribundus Chois. (*Allionia floribunda* (Chois.) Kuntze.) Many-flowered Wild Four-o'clock.
Oxybaphus glaber Wats. (*Allionia glabra* (Wats.) Kuntze.) Tubercle-fruited Wild Four-o'clock.
Oxybaphus hirsutus (Pursh) Sweet. (*Allionia hirsuta* Pursh.) Downy Wild Four-o'clock.
Oxybaphus linearis (Pursh) Robinson. (*Allionia linearis* Pursh.) Narrow-leaved Wild Four-o'clock.
Oxybaphus nyctagineus (Michx.) Sweet. (*Allionia nyctaginea* Michx.) Petioled Wild Four-o'clock.

ILLECEBRACEAE (CORRIGIOLACEAE). Whitlow-wort Family

- Anchia polygonoides* Raf. Forked Chickweed.
Paronychia dichotoma (L.) Nutt. Forking Whitlow-wort.
Paronychia jamesii T. & G. James's Whitlow-wort.
Paronychia scoparia Small. Strict Whitlow-wort.
Paronychia sessiliflora Nutt. Low Whitlow-wort.

AIZOACEAE. Carpet-weed Family.

- Glinus lotoides* Loefl.
Mollugo verticillata L. Carpet-weed.
Sesuvium sessile Pers. Western Sea Purslane.

CARYOPHYLLACEAE (Including ALSINACEAE). Pink Family.

- Agrostemma githago* L. Corn Cockle. Corn Rose.
Arenaria patula Michx. Sandwort.
Arenaria serpyllifolia L. Thyme-leaved Sandwort.
Arenaria stricta Michx. Rock Sandwort.
Arenaria stricta var. *texana* Robinson. (*A. texana* (Robinson) Britton.) Texas Sandwort.

- Cerastium brachypodum* (Engelm.) Robinson. Short-stalked Chickweed.
Cerastium nutans Raf. (*C. longipedunculatum* Muhl.) Long-stalked Chickweed.
Cerastium viscosum L. Mouse-ear Chickweed.
Cerastium vulgatum L. Larger Mouse-ear Chickweed.
Sagina decumbens (Ell.) T. & G. Pearlwort.
Saponaria officinalis L. Bouncing Bet.
Silene antirrhina L. Sleepy Catch-fly.
Silene regia Sims. Royal Catch-fly.
Silene stellata (L.) Ait. Starry Campion.
Silene virginica L. Fire Pink.
Stellaria media (L.) Cyrill. (*Alsine media* L.) Common Chickweed.
Stellaria nutallii T. & G. (*Asinopsis nutallii* (T. & G.) Small.) Nutal's Chickweed.

PORTULACACEAE. Purslane Family.

- Claytonia virginica* L. Spring Beauty.
Portulaca grandiflora Hook. Rose Moss.
Portulaca oleracea L. Purslane. Pussley.
Portulaca pilosa L. Hairy Purslane.
Talinum calycinum Engelm. Late-flowered Talinum.
Talinum parviflorum Nutt. Small-flowered Talinum.
Talinum teretifolium Pursh. Fame-flower.

CERATOPHYLLACEAE. Hornwort Family.

- Ceratophyllum demersum* L. Hornweed. Hornwort.

NYMPHAEACEAE (Including CABOMBACEAE and NELUMBONACEAE). Water

- Lily Family.
Brasenia scheberi Gmel. Water-shield. Water-target.
Castalia odorata (Ait.) Woodville & Wood. Sweet-scented Water Lily.
Castalia tuberosa (Paine) Greene. White Tuberous Water Lily.
Nelumbo lutea (Willd.) Pers. American Lotus. Water Yankapin.
Nymphaea advena Ait. Cow Lily. Spatter-dock.

RANUNCULACEAE. Crowfoot Family.

- Actaea alba* (L.) Mill. White Baneberry. Cohosh.
Anemone caroliniana Walt. Spring Daisy or Anemone.
Anemone decapetala Ard. Ten-petaled Anemone.
Anemone virginiana L. Tall Anemone.
Anemonella thalictroides (L.) Spach. (*Syndermon thalictroides* (L.) Hoffing.) Rue Anemone.
Aquilegia canadensis L. Wild Columbine. Rock-bells.
Clematis drummondii T. & G. Drummond's Leather-flower or Clematis.
Clematis pitcheri T. & G. (*Viorna pitcheri* (T. & G.) Britton.) Pitcher's Leather-flower or Clematis.

Clematis versicolor Small. (*Viorna versicolor* Small.) Pale Leather-flower or Clematis.

Delphinium ajacis L. Rocket Larkspur.

Delphinium carolinianum Walt. (*D. azureum* Michx.; *D. nortonianum* Mackenzie & Bush.) Carolina Larkspur.

Delphinium penardi Huth. (*D. virescens* Nutt.) Prairie Larkspur.

Delphinium tricornis Michx. Dwarf Larkspur.

Hydrastis canadensis L. Orange-root. Golden Seal.

Isopyrum biternatum (Raf.) T. & G. False Rue Anemone.

Myosurus minimus L. Mouse-tail.

Ranunculus abortivus L. Smooth-leaved Crowfoot.

Ranunculus apricus Greene.

Ranunculus cymbalaria Pursh. (*Halerpestes cymbalaria* (Pursh) Greene.) Seaside Crowfoot.

Ranunculus delphinifolius Torr. Yellow Water-Crowfoot.

Ranunculus fascicularis Muhl. Early or Tufted Buttercup.

Ranunculus hispidus Michx. Hispid Buttercup.

Ranunculus micranthus Nutt. (*R. abortivus* var. *micranthus* (Nutt.) Gray.) Rock Crowfoot.

Ranunculus pusillus Poir. Low Spearwort.

Ranunculus septentrionalis Poir. Swamp Buttercup.

Thalictrum dasycarpum Fisch. & Lall. Tall Meadow-rue.

MAGNOLIACEAE. Magnolia Family.

Magnolia acuminata L. Magnolia. Elk-wood. Cucumber Tree.

Magnolia tripetala L. Umbrella Tree. Magnolia.

ANONACEAE. Custard Apple Family.

Asimina triloba Dunal. Pawpaw.

MENISPERMACEAE. Moonseed Family.

Calyocarpum lyoni (Pursh) Nutt. Cup-seed.

Cocculus carolinus (L.) DC. (*Epibaterium carolinum* (L.) Britton.) Carolina Moonseed.

Menispermum canadense L. Canada Moonseed.

BERBERIDACEAE. Barberry Family.

Podophyllum peltatum L. May Apple. Mandrake.

LAURACEAE. Laurel Family.

Benzoïn aestivale (L.) Nees. Spice Bush.

Sassafras variifolium (Salisb.) Kuntze. (*S. sassafras* (L.) Karst.; *S. officinale* Nees & Eberm.) Sassafras. Ague-tree.

PAPAVERACEAE. Poppy Family.

Argemone alba Lestb. White Prickly Poppy.

Argemone intermedia Sweet. Leafy White Prickly Poppy.

Argemone mexicana L. Mexican Prickly Poppy.

Argemone platyceras Link & Otto.

Sanguinaria canadensis L. Bloodroot.

FUMARIACEAE. Fumitory Family.

Corydalis aurea Willd. (*Capnoides aureum* (Willd.) Kuntze.) Golden Corydalis.

Corydalis aurea var. *occidentalis* Engelm. (*Capnoides montanum* (Engelm.) Britton; ?*Capnoides campestris* Britton.) Mountain Corydalis.

Corydalis crystallina Engelm. (*Capnoides crystallinum* (Engelm.) Kuntze.) Vesicular Corydalis.

Corydalis curvisiliqua Engelm. (*Capnoides curvisiliquum* (Engelm.) Kuntze.) Curved-fruited Corydalis.

Corydalis flavula (Raf.) DC. (*Capnoides flavulum* (Raf.) Kuntze.) Pale or Yellow Corydalis.

Corydalis micrantha (Engelm.) Gray. (*Capnoides micranthum* (Engelm.) Britton.) Small-flowered Corydalis.

Dicentra canadensis (Goldie) Walp. (*Bicuculla canadensis* (Goldie.) Millsp.) Squirrel Corn.

Dicentra cucullaria (L.) Torr. (*Bicuculla cucullaria* (L.) Millsp.) Dutchman's Breeches.

CRUCIFERAE. Mustard Family.

Arabis canadensis L. Sickle-pod.

Arabis laevigata (Muhl.) Poir. Smooth Rock-cress.

Arabis virginica (L.) Trel. Cut-leaved Rock-cress.

Barbarea vulgaris R. Br. (*B. barbarea* (L.) MacM.) Common Winter-cress. Yellow Rocket.

Brassica arvensis (L.) Kuntze. (*Sinapis arvensis* L.) Charlock.

Brassica campestris L. Turnip.

Brassica juncea (L.) Cosson. Indian Mustard.

Brassica nigra (L.) Koch. Black Mustard.

Camelina microcarpa Andrz. Small-fruited False-flax.

Camelina sativa (L.) Crantz. False Flax.

Capsella bursa-pastoris (L.) Medic. (*Bursa bursa-pastoris* (L.) Britton.) Shepherd's

Purse.

Cardamine parviflora L. Small-flowered Bitter-cress.

Cardamine pennsylvanica Muhl. Pennsylvania Bitter-cress.

Conringia orientalis (L.) Dumort. Hare's-ear Mustard.

Dentaria laciniata Muhl. Cut-leaved Toothwort.

Dithyrea wislizeni Engelm. (*Biscutella wislizeni* (Engelm.) Brewer & Wats.)

Spectacle-pod.

Draba brachycarpa Nutt. Short-fruited Whitlow-grass.

Draba caroliniana Walt. Small Whitlow-grass.

Draba cuneifolia Nutt. Wedge-leaved Whitlow-grass.

Erysimum asperum DC. (*Cheirinia aspera* (DC.) Britton.) Western Wall-flower.

Yellow Phlox.

Erysimum repandum L. (*Cheirinia repanda* (L.) Link.) Repand Treacle Mustard.

Iodanthus pinnatifidus (Michx.) Steud. Purple Rocket.

Leavenworthia uniflora (Michx.) Britton. Straight-podded Leavenworthia.

Lepidium apetalum Willd. Tongue-grass. Pepper-grass.

Lepidium bipinnatifidum Desv. Low Pepper-grass.

Lepidium oblongum Small. Pepper-grass.

Lepidium virginicum L. Pepper-grass.

Lesquerella argentea (Pursh) MacM. Silvery Bladder-pod.

Lesquerella auriculata (Engelm. & Gray) Wats. Hairy Bladder-pod.

Lesquerella gordonii (Gray) Wats. Gordon's Bladder-pod.

Lesquerella gracilis (Hook.) Wats. Slender Bladder-pod.

Lesquerella ovalifolia Rydb. Oval-leaved Bladder-pod.

Lesquerella polyantha Schlecht.

Radicula nasturtium-aquaticum (L.) Britten & Rendle. (*Sisymbrium nasturtium-aquaticum* L.) True Water-cress.

Radicula obtusa (Nutt.) Greene. Blunt-leaved Yellow-cress.

Radicula obtusa var. *sphaerocarpa* (Gray) Robinson. (*R. sphaerocarpa* (Gray)

Greene.) Round-fruited Cress.

Radicula palustris (L.) Moench. Yellow Water-cress.

Radicula sessiliflora (Nutt.) Greene. Sessile-flowered Cress.

Radicula sinuata (Nutt.) Greene. Spreading Yellow Water-cress.

Radicula walteri (Ell.) Greene. Walter's Cress.

Selenia aurea Nutt. Selenia.

Sisymbrium altissimum L. (*Norta altissima* (L.) Britton. Tumble Mustard.

Sisymbrium canescens Nutt. (*Sophia pinnata* (Walt.) Howell.) Tansy-mustard.

Sisymbrium incisum Engelm. (*Sophia incisa* (Engelm.) Greene.) Western Tansy-mustard.

Sisymbrium sophia L. (*Sophia sophia* (L.) Britton.) Herb-Sophia.

Streptanthus hyacinthoides Hook. (*Euklisia hyacinthoides* (Hook.) Small.) Velvet-flower.

Streptanthus maculatus Nutt.

Thlaspi arvense L. Field Penny-cress.

CAPPARIDACEAE. Caper Family.

- Cleome serrulata* Pursh. Pink Cleome. Stinking Clover.
Cleome spinosa L. Spider-flower.
Cleomella angustifolia Torr. Northern Cleomella.
Cristatella crosa Nutt. Rough-margined Cristatella.
Cristatella jamesii T. & G. James's Cristatella.
Polanisia graveolens Raf. Clammy-weed.
Polanisia trachysperma T. & G. Large-flowered Clammy-weed.
Polanisia uniglandulosa (Cav.) DC. Mexican Clammy-weed.

CRASSULACEAE (Including **PENTHORACEAE**.) Orpine Family.

- Penthorum sedoides* L. Ditch Stonecrop.
Sedum nuttallianum Raf. Nuttall's Stonecrop.
Sedum pulchellum Michx. Rock-moss.

SAXIFRAGACEAE (Including **HYDRANGEACEAE** and **GROSSULARIACEAE**).

Saxifrage Family.

- Heuchera pubescens* Pursh. Downy Heuchera.
Hydrangea arborescens L. Wild Hydrangea.
Itea virginica L. Virginia Willow.
Philadelphus pubescens Loisel. Syringa or Mock-orange.
Ribes aureum Pursh. (*R. odoratum* Wendl.) Missouri Buffalo Currant.
Ribes curvatum Small.
Ribes cynosbati L. (*Grossularia cynosbati* (L.) Mill.) Wild Gooseberry.
Saxifraga texana Buckl. (*Micranthes texana* (Buckl.) Small.) Texas Saxifrage.

HAMAMELIDACEAE (Including **ALTINGIACEAE**.) Witch-hazel Family.

- Hamamelis macrophylla* Pursh. Witch-hazel.
Hamamelis vernalis Sarg. Witch-hazel.
Liquidambar styraciflua L. Sweet, Star-leaved, or Red Gum. Bilsted.

PLATANACEAE. Plane Tree Family.

- Platanus occidentalis* L. Sycamore. Button-ball Tree. Plane Tree.

ROSACEAE (Including **MALACEAE** and **AMYGDALACEAE**.) Rose Family.

- Agrimonia mollis* (T. & G.) Britton. Soft Agrimony.
Agrimonia parviflora Ait. Many-flowered Agrimony.
Agrimonia rotellata Wallr. Woodland Agrimony.
Agrimonia striata Michx. Woodland Agrimony.
Amelanchier canadensis (L.) Medic. Service Berry. Shadbush.
Cercocarpus parvifolius Nutt. (*C. montanus* Raf.) Small-leaved Mountain Mahogany.
Crataegus antimina Sarg. Red Haw.
Crataegus aspera Sarg. (*C. bracteata* Sarg.) Rough-leaved Haw. Red Haw.
Crataegus bellica Sarg. Red Haw.
Crataegus berberifolia T. & G. Barberry-leaved Haw. Red Haw.
Crataegus bushii Sarg. Bush's Haw. Red Haw.
Crataegus coccinoides Ashe. Eggert's Haw. Red Haw.
Crataegus crus-galli L. Cock-Spur Haw. Red Haw.
Crataegus dallasiana Sarg. Dallas Haw. Red Haw.
Crataegus dasyphylla Sarg. Red Haw.
Crataegus denaria Beadle. (*C. palmieri* Sarg.) Palmer's Haw. Red Haw.
Crataegus invisia Sarg. Red Haw.
Crataegus lasiantha Sarg. Red Haw.
Crataegus limaria Sarg. Red Haw.
Crataegus lutescens Sarg. Red Haw.
Crataegus marshallii Eggl. (*C. spifolia* (Marsh.) Michx.) Parsley-leaved Haw.
 Red Haw.
Crataegus mollis (T. & G.) Scheele. Red Haw.
Crataegus munita Sarg. Red Haw.
Crataegus pagensis Sarg. Page, Oklahoma, Haw. Red Haw.
Crataegus spathulata Michx. Narrow-leaved Haw. Small-fruited Haw. Red Haw.
Crataegus stevensiana Sarg. Stevens's Haw. Red Haw.

- Crataegus straminea* Beadle. (*C. opposita* Sarg.) Allegheny Haw. Red Haw.
Crataegus viridis L. Southern Haw. Red Haw.
Duchesnea indica (Andr.) Focke. Mock or Hindoo Strawberry.
Fragaria virginiana Duchesne. Scarlet Strawberry.
Fragaria virginiana var. *illinoensis* (Prince) Gray. (*F. grayana* Vilmorin.) Gray's Strawberry.
Geum canadense Jacq. White Avens.
Geum vernum (Raf.) T. & G. Spring Avens.
Geum virginianum L. Rough Avens.
Gillenia stipulata (Muhl.) Trel. (*Porteranthus stipulatus* (Muhl.) Britton.) American Ipecac.
Potentilla arguta Pursh. (*Drymocallis agrimonioides* (Pursh) Rydb.) Tall Cinquefoil. Glandular Cinquefoil.
Potentilla canadensis L. Five-finger. Common Cinquefoil.
Potentilla monspeliensis L. Rough Cinquefoil.
Potentilla recta L. Rough-fruited Cinquefoil.
Prunus americana Marsh. Wild Yellow or Red Plum.
Prunus angustifolia Marsh. Chickasaw Plum.
Prunus angustifolia var. *watsoni* (Sarg.) Waugh. (*P. watsoni* Sarg.) Sand Plum. Sand Cherry.
Prunus gracilis Engelm. & Gray. Low Plum. Oklahoma Plum.
Prunus hortulana Bailey. Wild Goose Plum.
Prunus lanata (Sudw.) Mackenzie & Bush. (*P. americana* var. *lanata* Sudw.) Wild Plum.
Prunus mexicana Wats. Big Tree Plum.
Prunus munsoniana Wight & Hedrick. Wild Goose Plum.
Prunus persica (L.) Stokes. (*Amygdalus persica* L.) Peach.
Prunus reverchonii Sarg. Hog Plum.
Prunus serotina Ehrh. Wild Black Cherry. Rum Cherry.
Prunus venulosa Sarg.
Prunus virginiana L. (*Padus virginiana* (L.) Mill.; *Padus nana* (Du Roi) Roemer.) Choke Cherry.
Pyrus ioensis (Wood) Bailey. (*Malus ioensis* (Wood) Britton.) Western Crab Apple.
Rosa foliolosa Nutt.
Rosa pratincola Greene. (*R. arkansana* auth.) Arkansas Rose.
Rosa rubiginosa L. Sweetbrier. Eglantine.
Rosa setigera Michx. Climbing Rose.
Rosa subserulata Rydb.
Rosa virginiana Mill. (*R. humilis* Marsh.) Low or Pasture Rose.
Rosa woodsii Lindl. Woods' Rose.
Rubus andrewsianus Blanchard.
Rubus deliciosus Torr. (*Bossekia deliciosus* (Torr.) A. Nels.; *Oreobatus deliciosus* (Torr.) Rydb.)
Rubus frondosus Bigel. Leafy-flowered Blackberry.
Rubus hispidus L. Hispid or Running Swamp Blackberry.
Rubus invisus (Bailey) Britton.
Rubus occidentalis L. Black Raspberry.
Rubus trivialis Michx. Low Bush Blackberry.
Rubus villosus Ait. (*R. procumbens* Muhl.) Dewberry.
Sanguisorba annua Nutt. (*Poteridium annuum* (Nutt.) Spach.) Plains Burnet.
- LEGUMINOSAE** (Including *MIMOSACEAE*, *CAESALPINIACEAE*, *KRAMERIACEAE*, and *FABACEAE*). Pea Family.
- Acacia angustissima* (Mill.) Kuntze var. *hirta* (Nutt.) Robinson. Prairie Acacia.
Amorpha canescens Pursh. Lead-plant. Devil's Shoe-string.
Amorpha fruticosa L. River-locust. False Indigo.
Amorpha fruticosa var. *angustifolia* Pursh. (*A. angustifolia* (Pursh) Boynton.) False Indigo.
Amorpha glabra Desf. False Indigo.
Amorpha microphylla Pursh. (*A. nana* Nutt.) Dwarf or Fragrant False Indigo.
Amorpha tennesseensis Shuttw. Tennessee False Indigo.

- Amorpha texana* Buckl. Texas False Indigo.
Amphicarpa monoica (L.) Ell. (*Falcata comosa* (L.) Kuntze.) Hog-peanut.
Amphicarpa pitcheri T. & G. (*Falcata pitcheri* (T. & G.) Kuntze.) Pitcher's Hog-peanut.
Apios tuberosa Moench. (*A. apios* (L.) MacM.; *Glycine apios* L.) Ground-nut.
Astragalus alpinus L. (*A. frigidus* Gray.) Mountain Astragalus.
Astragalus bisulcatus (Hook.) Gray. Two-grooved Astragalus.
Astragalus canadensis L. (*A. carolinianus* L.) Tall Astragalus.
Astragalus caryocarpus Ker. (*Geoprumnon crassicaipum* (Nutt.) Rydb.) Ground Plum.
Astragalus distortus T. & G. Bent-pod Astragalus.
Astragalus leptocarpus T. & G. (*Hamosa leptocarpa* (T. & G.) Rydb.)
Astragalus lotiflorus Hook. (*Phaca lotiflora* (Hook.) T. & G.) Low Astragalus.
Astragalus mexicanus A. DC. (*Geoprumnon mexicanum* (A. DC.) Rydb.) Large Ground Plum.
Astragalus missouriensis Nutt. Missouri Astragalus.
Astragalus mollissimus Nutt. Woolly Loco-weed. Crazy-weed.
Astragalus nuttallianus DC. (*Hamosa nuttalliana* (DC.) Rydb.) Annual Astragalus.
Astragalus pachycarpus T. & G. (*Geoprumnon pachycarpum* (T. & G.) Rydb.)
Astragalus parviflorus (Pursh) MacM. (*A. gracilis* Nutt.; *A. microlobus* Gray.) Slender Astragalus
Astragalus pictus Gray var. *filifolius* Gray. (*Phaca longifolia* (Pursh.) Nutt.) Bird-egg Pea. Long-leaved Astragalus.
Astragalus plattensis Nutt. (*Geoprumnon plattense* (Nutt.) Rydb.) Platte Astragalus. Ground Plum.
Astragalus racemosus Pursh. Racemose Milk Vetch.
Astragalus reverchonii Gray. (*Phaca reverchonii* (Gray) Rydb.) Reverchon's Astragalus.
Baptisia australis (L.) R. Br. Blue Wild Indigo. Blue False Indigo.
Baptisia bracteata (Muhl.) Ell. Large-bracted False Indigo.
Baptisia leucantha T. & G. White False Indigo.
Baptisia nuttalliana Small. Nuttall's False Indigo.
Baptisia sphaerocarpa Nutt. Round-fruited False Indigo.
Baptisia sulphurea Engelm.
Baptisia villosa (Walt.) Ell. Hairy False Indigo.
Canavalia gladiata (Savi) DC. Sword Bean.
Cassia chamaecrista L. (*Chamaecrista fasciculata* (Michx.) Greene.) Partridge Pea.
Cassia medsgeri Shafer. Medsger's Wild Senna.
Cassia nictitans L. (*Chamaecrista nictitans* (L.) Moench.) Wild Sensitive Plant.
Cassia occidentalis L. Coffee-senna. Styptic-weed.
Cassia roemeriana Scheele.
Cassia tora L. Low Senna.
Cercis canadensis L. Red-bud. Judas-tree.
Cladastris lutea (Michx. f.) Koch. American or Kentucky Yellow-wood.
Clitoria mariana L. Butterfly-pea.
Crotalaria rotundifolia (Walt.) Poir. Prostrate Rattle-box.
Crotalaria sagittalis L. Rattle-box.
Desmanthus illinoensis (Michx.) MacM. (*Acuan illinensis* (Michx.) Kuntze; *D. brachylobus* Benth.) Illinois Desmanthus.
Desmanthus jamesii T. & G. (*Acuan jamesii* (T. & G.) Kuntze.) James's Desmanthus.
Desmanthus leptolobus T. & G. (*Acuan leptoloba* (T. & G.) Kuntze.) Prairie Desmanthus.
Desmodium bracteosum (Michx.) DC. (*Meibomia bracteosa* (Michx.) Kuntze.) Large-bracted Tick-trefoil or Stick-tight.
Desmodium canadense (L.) DC. (*Meibomia canadensis* (L.) Kuntze.) Showy Tick-trefoil.
Desmodium canescens (L.) DC. (*Meibomia canescens* (L.) Kuntze.) Hoary Tick-trefoil or Stick-tight.
Desmodium dillenii Darl. (*Meibomia dillenii* (Darl.) Kuntze.) Dillen's Tick-trefoil.
Desmodium grandiflorum (Walt.) DC. (*Meibomia grandiflora* (Walt.) Kuntze.) Pointed-leaved Tick-Trefoil or Stick-tight.

Desmodium illinoense Gray. (*Meibomia illinoensis* (Gray) Kuntze.) Illinois Tick-trefoil or Stick-tight.

Desmodium laevigatum (Nutt.) DC. (*Meibomia laevigata* (Nutt.) Kuntze.) Smooth Tick-trefoil.

Desmodium nudiflorum (L.) DC. (*Meibomia nudiflora* (L.) Kuntze.) Naked-peduncled Tick-trefoil.

Desmodium obtusum (Muhl.) DC. (*Meibomia obtusa* (Muhl.) Vail.) Hairy Small-leaved Tick-trefoil or Stick-tight.

Desmodium paniculatum (L.) DC. (*Meibomia paniculata* (L.) Kuntze.) Panicked Tick-trefoil or Stick-tight.

Desmodium pauciflorum (Nutt.) DC. (*Meibomia pauciflora* (Nutt.) Kuntze.) Few-flowered Tick-trefoil.

Desmodium sessilifolium (Torr.) T. & G. (*Meibomia sessilifolia* (Torr.) Kuntze.) Sessile-leaved Tick-trefoil.

Desmodium viridiflorum (L.) Beck. (*Meibomia viridiflora* (L.) Kuntze.) Velvet-leaved Tick-trefoil.

Galactia regularis (L.) BSP. Milk Pea.

Galactia volubilis (L.) Britton. Downy Milk Pea.

Gleditsia triacanthos L. Honey Locust.

Glycyrrhiza lepidota (Nutt.) Pursh. Wild Licorice.

Gymnocladus dioica (L.) Koch. Kentucky Coffee-tree.

Hedysarum pabulare A. Nels.

Hoffmanseggia falcaria Cav. (*H. stricta* Benth.) Blue-weed.

Hoffmanseggia jamesii T. & G. James's Hoffmanseggia.

Hosackia americana (Nutt.) Piper. Prairie Bird's-foot Trefoil.

Indigofera leptosepala Nutt. Western Indigo Plant.

Krameria secundiflora DC. (*K. lanceolata* Torr.) Bank-bur.

Lathyrus ornatus Nutt. Showy Wild Pea.

Lathyrus pusillus Ell. Low Wild Pea.

Lespedeza acuticarpa Mackenzie & Bush. Sharp-fruited Bush-clover.

Lespedeza capitata Michx. Round-headed Bush-clover.

Lespedeza capitata var. *longifolia* (DC.) T. & G. (*L. longifolia* DC.) Long-leaved Bush-clover.

Lespedeza frutescens (L.) Britton. Wand-like Bush-clover.

Lespedeza hirta (L.) Hornem. Hairy Bush-clover.

Lespedeza procumbens Michx. Trailing Bush-clover.

Lespedeza repens (L.) Bart. Creeping Bush-clover.

Lespedeza simulata Mackenzie & Bush. Intermediate Bush-clover.

Lespedeza striata (Thub.) H. & A. Japan Clover.

Lespedeza stuevei Nutt. Stuve's Bush-clover.

Lespedeza stuevei var. *neglecta* Britton. (*L. neglecta* (Britton) Mackenzie & Bush.) Bush-clover.

Lespedeza violacea (L.) Pers. Bush-clover.

Lupinus plattensis Wats. Nebraska Lupine.

Lupinus pusillus Pursh. Low Lupine.

Medicago arabica Huds. Spotted Medick.

Medicago hispida Gaertn. Bur Clover.

Medicago lupulina L. Black Medick. Hop-clover.

Medicago sativa L. Alfalfa. Lucerne.

Melilotus alba Desv. White Sweet-clover.

Melilotus officinalis (L.) Lam. Yellow Sweet-clover.

Mimosa borealis Gray. Cat-claw.

Mimosa fragrans Gray. Cat-claw.

Neptunia lutea (Leavenw.) Benth.

Oxytropis lamberti Pursh. Stemless Loco-weed. Colorado Loco.

Parosela aurea (Nutt.) Britton. Golden Parosela.

Parosela enneandra (Nutt.) Britton. (*Dalea enneandra* Nutt.) Slender Parosela.

Parosela formosa (Torr.) Vail. Shrubby Parosela.

Parosela jamesii (Torr.) Vail. James's Parosela.

Parosela lanata (Spreng.) Britton. Woolly Parosela.

Parosela nana (Torr.) Heller. Low Parosela.

Petalostemum candidum Michx. White Prairie-clover.

Petalostemum gracile Nutt. (*P. oligophyllum* Torr.) Slender White Prairie-clover.

- Petalostemum griseum* T. & G. Southern Silky Prairie-clover.
Petalostemum multiflorum Nutt. Round-headed Prairie-clover.
Petalostemum purpureum (Vent.) Rydb. (*P. violaceum* Michx.) Purple Prairie-clover.
Petalostemum tenuifolium Gray. Southern Purple Prairie-clover.
Petalostemum villosum Nutt. Silky Prairie-clover.
Phaseolus polystachyus (L.) BSP. Wild Bean.
Prosopis juliflora (Sw.) DC. var. *glandulosa* (Torr.) Cook. (*P. glandulosa* Torr.) Mesquite.
- Psoralea argophylla* Pursh. Silver-leaved Psoralea.
Psoralea cuspidata Pursh. Large-bracted Psoralea.
Psoralea digitata Nutt. Digitate or Sand-hill Psoralea.
Psoralea esculenta Pursh. Indian or Prairie Turnip. Bread root. Pomme Blanche.
 Pomme de Prairie. Tipsin.
Psoralea hypogaea Nutt. Small Indian Bread-root.
Psoralea lanceolata Pursh. (*P. micrantha* Gray.) Round-fruited Psoralea. Lance-leaved Psoralea.
Psoralea linearifolia T. & G. Narrow-leaved Psoralea.
Psoralea pedunculata (Mill.) Vail. Samson's Snakeroot.
Psoralea reverchonii Wats. Reverchon's Psoralea.
Psoralea tenuiflora Pursh. Few-flowered Psoralea.
Psoralea tenuiflora var. *floribunda* (Nutt.) Rydb. (*P. floribunda* Nutt.) Many-flowered Psoralea.
Rhynchosia latifolia Nutt. (*Dolicholus latifolius* (Nutt.) Vail.) Prairie Rhynchosia.
Rhynchosia tomentosa (L.) H. & A. (*Dolicholus tomentosus* (L.) Vail.) Twining Rhynchosia.
- Robinia pseudo-acacia* L. Black Locust. Sweet Locust.
Schrankia angustata T & G. (*Morongia microphylla* (Dryand) Britton.) Narrow-leaved Sensitive Brier.
Schrankia uncinata Willd. (*Morongia uncinata* (Willd.) Britton.) Sensitive Brier.
Sesbania macrocarpa Muhl. Pea-tree.
Sophora affinis T. & G. Coralbean.
Sophora sericea Nutt. Silky Sophora.
Strophostyles helvola (L.) Britton. Trailing Wild Bean.
Strophostyles pauciflora (Benth.) Wats. Small Wild Bean.
Strophostyles umbellata (Muhl.) Britton. Pink Wild Bean.
Stylosanthes biflora (L.) BSP. Pencil Flower.
Tephrosia onobrychoides Nutt. (*Cracca onobrychoides* (Nutt.) Kuntze.)
Tephrosia virginiana (L.) Pers. (*Cracca virginiana* L.) Wild Sweet Pea. Cat-gut.
Trifolium carolinianum Michx. Carolina Clover.
Trifolium hybridum L. Alsike. Alsatian Clover.
Trifolium pratense L. Red Clover.
Trifolium procumbens L. Low Hop-clover.
Trifolium reflexum L. Buffalo Clover.
Trifolium repens L. White Clover.
Trifolium stoloniferum Muhl. Running Buffalo Clover.
Vicia americana Muhl. American or Purple Vetch.
Vicia americana var. *angustifolia* Nees. (*V. linearis* (Wats.) Greene; *V. sparsifolia* Nutt.) Narrow-leaved Vetch.
Vicia caroliniana Walt. Pale Vetch.
Vicia exigua Nutt. Texas Vetch.
Vicia leavenworthii T. & G. Leavenworth's Vetch.
Vicia ludoviciana Nutt. Louisiana Vetch.
Vicia micrantha Nutt. Small-flowered Vetch.
Vicia reverchonii Wats. Reverchon's Vetch.
Vicia villosa Roth. Hairy Vetch.
Wisteria macrostachya Nutt. (*Kraunhia macrostachys* (T. & G.,) Small.) Long-clustered Wisteria.
- LINACEAE.** Flax Family.
- Linum berlandieri* Hook. (*Cathartolinum berlandieri* (Hook.) Small.) Berlandier's Yellow Flax.
Linum lewisii Pursh. Lewis's Wild Flax.
Linum medium (Planch.) Britton. (*Cathartolinum medium* (Planch.) Small.) Stiff Yellow Flax.

Linum multicaule Hook. Many-stemmed Flax.

Linum rigidum Pursh. (*Cathartolinum rigidum* (Pursh) Small.) Large-flowered Yellow Flax.

Linum striatum Walt. (*Cathartolinum striatum* (Walt.) Small.) Ridged Yellow Flax.

Linum sulcatum Riddell. (*Cathartolinum sulcatum* (Riddell.) Small.) Grooved-Yellow Flax.

Linum usitatissimum L. Cultivated Flax.

OxALIDACEAE. Wood-sorrel Family.

Oxalis corniculata L. (*Xanthoxalis corniculata* (L.) Small.) Yellow Procumbent Wood-sorrel.

Oxalis cymosa Small. (*Xanthoxalis cymosa* Small.) Tall Yellow Wood-sorrel.

Oxalis interior (Small) Fedde. (*Xanthoxalis interior* Small.) Midland Wood-sorrel.

Oxalis stricta L. (*Xanthoxalis stricta* (L.) Small.) Yellow Sheep-sorrel.

Oxalis violacea L. (*Ionoxalis violacea* (L.) Small.) Violet Sheep-sorrel. Violet Wood-sorrel.

GERANIACEAE. Geranium Family.

Geranium carolinianum L. Carolina Crane's-bill

Geranium maculatum L. Wild or Spotted Crane's-bill.

Geranium pusillum Burm. f. Small-flowered Crane's-bill.

ZYGOPHYLLACEAE. Caltrop Family.

Kallstroemia maxima (L.) T. & G. (*K. intermedia* Rydb.) Greater Caltrop.

Tribulus terrestris L. Caltrop-bur. Mexican Sand-bur.

RUTACEAE. Rue Family.

Ptelea trifoliata L. Three-leaved Hop-tree. Shrubby Trefoil.

Zanthoxylum americanum Mill. Northern Prickly Ash. Toothache-tree.

Zanthoxylum clava-herculis L. Hercules Club. Southern Prickly Ash.

SIMARUBACEAE. Quassia Family.

Ailanthus glandulosa Desf. Tree of Heaven.

POLYGALACEAE. Milkwort Family.

Polygala alba Nutt. White Milkwort.

Polygala incarnata L. Pink Milkwort.

Polygala polygama Walt. Racemed Milkwort.

Polygala sanguinea L. (*P. viridescens* L.) Purple or Field Milkwort.

Polygala verticillata L. Whorled Milkwort.

Polygala verticillata var. *ambigua* (Nutt.) Wood. (*P. ambigua* Nutt.) Loose-spiked Milkwort.

EUPHORBIACEAE. Spurge Family.

Acalypha gracilens Gray. Slender Three-seeded Mercury.

Acalypha ostryaefolia Ridd. Hornbeam-leaved Three-seeded Mercury.

Acalypha virginica L. Virginia Three-seeded Mercury.

Andrachne phyllanthoides (Nutt.) Muell. Arg. Northern Andrachne.

Argythamnia humilis (Engelm. & Gray.) Muell. Arg. (*Ditaxis humilis* (Engelm. & Gray) Pax.) Low Ditaxis.

Argythamnia mercurialina (Nutt.) Muell. Arg. (*Ditaxis mercurialina* (Nutt.) Coult.) Tall Ditaxis.

Croton capitatus Michx. Goat-weed. Hogwort.

Croton engelmannii Ferg. var. *albinoides* Ferg.

Croton glandulosus L. Glandular Croton-weed.

Croton lindheimerianus Scheele. Lindheimer's Croton-weed.

Croton monanthogynus Michx. Single-fruited Croton-weed.

Croton texensis (Klotzsch) Muell. Arg. Texas Croton-weed.

Crotonopsis linearis Michx. Crotonopsis.

Euphorbia arkansana Engelm. & Gray. (*Tithymalus arkansanus* (Engelm. & Gray) Kl. & Garcke.) Arkansas Spurge.

Euphorbia bicolor Engelm. & Gray. (*Dichrophyllum bicolor* (Engelm. & Gray) Kl. & Garcke.)

- Euphorbia corollata* L. (*Tithymalopsis corollata* (L.) Kl. & Garcke.) Blooming or Flowering Spurge.
Euphorbia dentata Michx. (*Poinsettia dentata* (Michx.) Small.) Toothed Spurge.
Euphorbia dictyosperma Fisch. & Mey. (*Tithymalus missouriensis* (Norton) Small.) Reticulate-seeded Spurge.
Euphorbia fendleri T. & G. (*Chamaesyce fendleri* (T. & G.) Small.) Fendler's Spurge.
Euphorbia geyeri Engelm. (*Chamaesyce geyeri* (Engelm. & Gray) Small.) Geyer's Spurge.
Euphorbia glyptosperma Engelm. (*Chamaesyce glyptosperma* (Engelm.) Small.) Ridge-seeded Spurge.
Euphorbia heterophylla L. (*Poinsettia heterophylla* (L.) Kl. & Garcke.) Painted-leaf.
Euphorbia hexagona Nutt. (*Zygophyllidium hexagonum* (Nutt.) Small.) Angled Spurge.
Euphorbia humistrata Engelm. (*Chamaesyce humistrata* (Engelm.) Small.) Hairy Spreading Spurge.
Euphorbia lata Engelm. (*Chamaesyce lata* (Engelm.) Small.) Hoary Spurge.
Euphorbia longicuris Scheele. (*Tithymalus longicuris* (Scheele) Small.)
Euphorbia maculata L. (*Chamaesyce maculata* (L.) Small.) Spotted Spurge.
EUPHORBIA MALACA (Small) Little, new comb. (*Chamaesyce malaca* Small.)
Euphorbia marginata Pursh. (*Dichrophyllum marginatum* (Pursh) Kl. & Garcke.) Snow-on-the-mountain.
Euphorbia obtusata Pursh. (*Tithymalus obtusatus* (Pursh) Kl. & Garcke.) Blunt-leaved Spurge.
Euphorbia peplidion Engelm. (*Tithymalus peplidion* (Engelm.) Small.) White-flowered Spurge.
Euphorbia petaloidea Engelm. (*Chamaesyce petaloidea* (Engelm.) Small.) White-flowered Spurge.
Euphorbia preslii Guss. (*Chamaesyce preslii* (Guss.) Arthur.) Large Spotted Spurge.
Upright Spotted Spurge.
Euphorbia prostrata Ait. (*Chamaesyce prostrata* (Ait.) Small.)
Euphorbia serpens HBK. (*Chamaesyce serpens* (HBK.) Small.) Round-leaved Spreading Spurge.
Euphorbia serpyllifolia Pers. (*Chamaesyce serpyllifolia* (Pers.) Small.) Thyme-leaved Spurge.
Euphorbia stictospora Engelm. (*Chamaesyce stictospora* (Engelm.) Small.) Narrow-seeded Spurge.
Euphorbia tetrapora Engelm. (*Tithymalus tetraporus* (Engelm.) Small.)
Euphorbia zygophylloides Boiss. (*Chamaesyce zygophylloides* Boiss.) Small.) Prairie Spurge.
Jatropha stimulosa Michx. (*Cnidioscolus stimulosus* (Michx.) Engelm. & Gray.) Tread-softly. Spurge-nettle.
Jatropha texana Muell. Arg. (*Cnidioscolus texanus* (Muell. Arg.) Small.) Texas Spurge-nettle.
Phyllanthus carolinensis Walt. Carolina Phyllanthus.
Phyllanthus polygonoides Nutt.
Ricinus communis L. Castor-bean.
Stillingia sylvatica L. Queen's Delight.
Stillingia sylvatica var. *salicifolia* Torr. (*S. smallii* Woot. & Standl.; *S. salicifolia* (Torr.) Small.)
Tragia nepetaefolia Cav. Catnip-leaved Tragia.
Tragia ramosa Torr. Branching Tragia.

CALLITRICHACEAE. Water Starwort Family.

Callitriche heterophylla Pursh. Water Starwort.

ANACARDIACEAE. Sumac Family.

- Rhus canadensis* Marsh. (*Schmaltzia crenata* (Mill.) Greene.) Fragrant Sumac.
Rhus canadensis var. *trilobata* (Nutt.) Gray. (*R. trilobata* Nutt.; *Schmaltzia trilobata* (Nutt.) Small. Skunk-bush.
Rhus copallina L. Dwarf or Black Sumac.
Rhus cosinoides Nutt. (*Cotinus americanus* Nutt.) American Smoke Tree. Chittam Wood.
Rhus glabra L. White Sumac. Smooth Sumac.

Rhus rhomboides Small. Poison Oak.

Rhus toxicodendron L. (*Toxicodendron toxicodendron* (L.) Britton.) Poison Oak.
Poison Ivy.

Rhus toxicodendron var. *radicans* (L.) Torr. (*Toxicodendron radicans* (L.) Kuntze.)
Poison Ivy.

AQUIFOLIACEAE (ILICACEAE). Holly Family.

Ilex caroliniana (Walt.) Trel. Carolina Holly.

Ilex decidua Walt. Swamp or Deciduous Holly.

Ilex opaca Ait. American White Holly. Christmas Holly.

Ilex vomitoria Ait. Yaupon. Cassena.

CELASTRACEAE. Staff Tree Family.

Celastrus scandens L. Climbing Bittersweet.

Evonymus americanus L. Strawberry Bush. Bursting-heart.

Evonymus atropurpureus Jacq. Wahoo. Burning Bush.

Glossopetalon spinescens Gray. (*Forsellesia spinescens* (Gray) Greene.)

STAPHYLEACEAE. Bladder-nut Family.

Staphylea trifolia L. American Bladder-nut.

ACERACEAE. Maple Family.

Acer grandidentatum Nutt. Rocky Mountain Maple.

Acer negundo L. Box-elder.

Acer rubrum L. Red, Scarlet, Water, or Swamp Maple.

Acer rubrum var. *tridentatum* Wood. (*A. carolinianum* Walt.) Carolina Maple.

Acer saccharinum L. Silver, White, or Soft Maple.

Acer saccharum Marsh. Sugar or Rock Maple.

SAPINDACEAE (Including AESCULACEAE). Soapberry Family.

Aesculus austrina Small. Southern Buckeye.

Aesculus glabra Willd. Ohio Buckeye.

Aesculus glabra var. *arguta* (Buckl.) Robinson. (*A. arguta* Buckl.) Dwarf Buckeye.
Western Buckeye.

Aesculus octandra Marsh. Sweet Buckeye.

Cardiospermum halicacabum L. Balloon Vine.

Sapindus drummondii H. & A. China-berry. Chaney-berry. Soap-berry. Wild
China-tree.

BALSAMINACEAE. Touch-me-not Family.

Impatiens biflora Walt. Spotted or Wild Touch-me-not.

Impatiens pallida Nutt. Pale Touch-me-not.

RHAMNACEAE. Buckthorn Family.

Berchemia scandens (Hill.) Trel. Supple-jack. Rattan-vine.

Ceanothus americanus L. New Jersey Tea. Red-root.

Ceanothus ovatus Desf. Smaller New Jersey Tea or Red-root.

Condalia obtusifolia (Hook.) Weber. (*Zizyphus obtusifolia* (Hook.) Gray.)
Chaparral. Lote-bush. Texas Buckthorn.

Rhamnus caroliniana Walt. Carolina Buckthorn. Indian Cherry.

VITACEAE. Grape Family.

Cissus ampelopsis Pers. (*Ampelopsis cordata* Michx.) Simple-leaved Cissus.

Cissus arborea (L.) Des Moulins. (*Ampelopsis arborea* (L.) Rusby.) Pepper-vine.

Cissus incisa (Nutt.) Des Moulins. Rock-grape.

Parthenocissus quinquefolia (L.) Planch. (*Psedera quinquefolia* (L.) Greene.)
Virginia Creeper. Five-leaved Ivy.

Vitis aestivalis Michx. Summer or Small Grape.

Vitis arizonica Engelm. Arizona Grape.

Vitis bicolor Le Conte. Winter or Blue Grape.

Vitis cinerea Engelm. Ashy or Downy Grape.

Vitis cordifolia Michx. Frost or Chicken Grape.

Vitis doaniana Munson.

Vitis linsecornii Buckl. var. *glauca* Munson.

Vitis longii Prince.

Vitis rotundifolia Michx. Muscadine. Bullace Grape.

Vitis rupestris Scheele. Sand Grape. Sugar Grape.
Vitis vulpina L. Sweet-scented Grape.

TILIACEAE. Linden Family.

Tilia floridana Small. Basswood. Linden.
Tilia leucocarpa Ashe var. *glaucescens* (Sarg.) Sudw. Basswood. Linden.

MALVACEAE. Mallow Family.

Abutilon theophrasti Medic. (*Abutilon abutilon* (L.) Rusby.) Velvet-leaf. Indian Mallow. Butter-print.
Callirhoe alcaeoides (Michx.) Gray. Light Poppy-mallow.
Callirhoe digitata Nutt. Fringed Poppy-mallow.
Callirhoe involucrata (T. & G.) Gray. Purple Poppy-mallow.
Callirhoe papaver (Cass.) Gray. Larger Purple Poppy-mallow.
Callirhoe pedata Gray.
Hibiscus lasiocarpus Cav. Hairy-fruited Rose-mallow.
Hibiscus militaris Cav. Halberd-leaved Rose-mallow.
Hibiscus trionum L. Flower-of-an-hour. Bladder Ketmia.
Malva rotundifolia L. Low Dwarf or Running Mallow.
Malvastrum angustum Gray. Yellow False Mallow.
Malvastrum coccineum (Pursh) Gray. Bank Mallow. Scarlet False Mallow.
Sida hederacea (Doug.) Torr. Round-leaved Sida.
Sida spinosa L. Spiny or Prickly Sida. Indian Mallow.
Sphaeralcea cuspidata (Gray) Britton. (*Phymosia cuspidata* (Gray) Britton.) Sharp-fruited Globe-mallow.

TAMARICACEAE. Tamarix Family.

Tamarix gallica L. Tamarix. Tamarisk. Salt Cedar.

HYPERICACEAE. St. John's-wort Family.

Ascyrum hypericoides L. St. Andrew's Cross.
Ascyrum stans Michx. St. Peter's-wort.
Hypericum aureum Bartram. Golden St. John's-wort.
Hypericum cistifolium Lam. Round-podded St. John's-wort.
Hypericum densiflorum Pursh. Bushy or Dense-flowered St. John's-wort.
Hypericum drummondii (Grey. & Hook.) T. & G. Drummond's St. John's-wort.
Hypericum gymnanthum Engelm. & Gray. Claspingleaved St. John's-wort.
Hypericum mutilum L. Dwarf. St. John's-wort.
Hypericum oklahomense Palmer. Oklahoma St. John's-wort.
Hypericum prolificum L. Shrubby St. John's-wort
Hypericum pseudomaculatum Bush. Large Spotted St. John's-wort.
Hypericum punctatum Lam. (*H. maculatum* Walt.) Spotted St. John's-wort.

CISTACEAE. Rock-rose Family.

Helianthemum majus (L.) BSP. (*Crocianthemum majus* (L.) Britton.) Hoary Frostweed.

Lechea tenuifolia Michx. Narrow-leaved Pin-weed.
Lechea villosa Ell. Large or Hairy Pin-weed.

VIOLACEAE. Violet Family.

Hybanthus verticillata (Ort.) A. Nels. (*Calceolaria verticillata* (Ort.) Kuntze.;
Ionidium polygalaeifolium Vent.) Green Violet.
Viola blanda Willd. Sweet White Violet.
Viola emarginata Le Conte. Triangle-leaved Violet.
Viola eriocarpa Schwein. (*V. scabriuscula* Schwein.) Smoothish Yellow Violet.
Viola hirsutula J. E. Smith. Ovate-leaved Violet.
Viola lovelliana Brainerd. Lovell's Violet.
Viola missouriensis Greene. Missouri Violet.
Viola papilionacea Pursh. Meadow Violet.
Viola pedata L. Bird's-foot Violet.
Viola pedatifida G. Don. Prairie or Larkspur Violet.
Viola primulifolia L. Primrose-leaved Violet.
Viola rafinesquii Greene. Wild Pansy. Johnny Jump-ups.
Viola sororia Willd. Woolly Blue Violet.
Viola tricolor L. Pansy. Heart's-ease.
Viola triloba Schwein var. *dilatata*. (Ell.) Brainerd. Three-lobed Violet.

PASSIFLORACEAE. Passion-flower Family.*Passiflora incarnata* L. Passion-flower. Passion-vine.*Passiflora lutea* L. Yellow Passion-flower.**LOASACEAE.** Loasa Family.*Cevallia sinuata* Lag.Showy Evening-lily.
Mentzelia decapetala (Pursh) Urban & Gilg. (*Nuttallia decapetala* (Pursh) Greene.)*Mentzelia multiflora* Gray.Branched
Mentzelia.
Mentzelia nuda (Pursh) T. & G. (*Nuttallia nuda* (Pursh) Greene.)*Mentzelia oligosperma* Nutt. Stick-leaf. Few-seeded Mentzelia.MENTZELIA STRICTA (Osterhout) Stevens, new comb. (*Hesperaster strictus* Osterhout;*Nuttallia stricta* (Osterhout) Greene.) Stiff Mentzelia.**CACTACEAE.** Cactus Family.*Echinocereus baileyi* Rose. Bailey's Hedge-hog Cactus.*Echinocereus caespitosus* Engelm. & Gray. Tufted Hedge-hog Cactus.*Echinocereus viridiflorus* Engelm. Green-flowered Hedge-hog Cactus.*Mamillaria missouriensis* Sweet. (*Coryphantha missouriensis* (Sweet) Britt. & Rose.)

Missouri Cactus.

Mamillaria neo-mexicana Engelm. (*Cactus neo-mexicanus* (Engelm.) Small.) New

Mexico Cactus.

Mamillaria robustior Engelm. (*Cactus robustior* (Engelm.) Small.)*Mamillaria vivipara* (Nutt.) Haw. (*Coryphantha vivipara* (Nutt.) Britt. & Rose.)

Purple Cactus.

Opuntia arborescens Engelm. Tree Cactus. Cholla.*Opuntia comanchica* Engelm. Comanche Cactus.*Opuntia fragilis* (Nutt.) Haw. Brittle Cactus.*Opuntia humifusa* Raf. (*Opuntia rafinesquii* Engelm.) Western Prickly-pear.*Opuntia polyacantha* Haw. Many-spined Cactus.*Opuntia tortispina* Engelm. Twisted-spined Cactus.*Opuntia trichojera* Britt. & Rose. Limber-spined Cactus. Hairy Cactus.**THYMELAEACEAE.** Mezereum Family.*Dirca palustris* L. Leather-wood.**LYTHRACEAE.** Loosestrife Family.*Ammannia auriculata* Willd. Cyme-flowered Ammannia.*Ammannia coccinea* Rott. Long-leaved Ammannia.*Cuphea petiolata* (L.) Koehne. (*Parsonia petiolata* (L.) Rusby.) Clammy Cuphea.

Tar-weed.

Lythrum alatum Pursh. Wing-stemmed Loosestrife.*Lythrum lanceolatum* Ell. Narrow-leaved Loosestrife.*Lythrum linearifolium* (Gray) Small. Linear-leaved Loosestrife.*Rotala ramosior* (L.) Koehne. Tooth-cup.**MELASTOMACEAE.** Meadow-beauty Family.*Rhexia mariana* L. Maryland Meadow-beauty.*Rhexia virginica* L. Meadow-beauty. Handsome Harry.**ONAGRACEAE.** Evening-primrose Family.*Circaea lutetiana* L. Enchanter's Nightshade.*Epilobium densum* Raf. (*E. lineare* Muhl.) Linear-leaved Willow-herb.*Gaura biennis* L. Biennial Gaura.*Gaura coccinea* Pursh. Scarlet Gaura.*Gaura parviflora* Dougl. Velvet-leaf. Small-flowered Gaura.*Gaura sinuata* Nutt. Wavy-leaved Gaura.*Gaura tripetala* Cav.*Gaura villosa* Torr. Woolly Gaura.*Jussiaea decurrens* (Walt.) DC. Upright Primrose-willow.*Jussiaea diffusa* Forskal. Creeping Primrose-willow.*Ludvigia alternifolia* L. Rattle-box. Seed-box.*Ludvigia glandulosa* Walt. Cylindric-fruited Ludvigia.

- Ludvigia palustris* (L.) Ell. (*Isardia palustris* L.) Water Purslane.
Oenothera albicaulis Pursh. (*Anogra albicaulis* (Pursh.) Britton.) Prairie Evening-primrose.
Oenothera biennis L. Common Evening-primrose.
Oenothera brachycarpa Gray. (*Lavauxia brachycarpa* (Gray) Britton.) Short-podded Evening-primrose.
Oenothera hartwegii Benth. (*Galpisia hartwegii* (Benth.) Britton.) Hartweg's Evening-primrose.
Oenothera hartwegii var. *lavendulaefolia* (T. & G.) Wats. (*Galpisia lavendulaefolia* (T. & G.) Small.) Lavender-leaved Evening-primrose.
 OENOTHERA INTERIOR (Small) Stevens, new comb. (*Galpisia interior* Small.) Oblong-leaved Evening-primrose.
Oenothera laciniata Hill. (*Raimannia laciniata* (Hill) Rose.) Cut-leaved Evening-primrose.
Oenothera laciniata var. *grandiflora* (Walt.) Robinson. (*Raimannia grandis* (Britton) Rose.) Large-flowered Cut-leaved Evening-primrose.
Oenothera linifolia Nutt. (*Kneiffia linifolia* (Nutt.) Spach.) Thread-leaved Sundrops.
Oenothera longipedicellata (Small) Robinson. (*Kneiffia longipedicellata* Small.) Long-stemmed Sundrops.
Oenothera missouriensis Sims. (*Megapterium missouriense* (Sims) Spach.) Missouri Evening-primrose.
Oenothera oklahomensis (Norton) Leveille. (*Megapterium oklahomense* Norton.) Oklahoma Evening-primrose.
Oenothera pallida Lindl. (*O. albicaulis* Pursh; *Anogra albicaulis* (Pursh.) Britton.) White-stemmed Evening-primrose.
Oenothera pallida var. *latifolia* Rydb. (*Anogra latifolia* Rydb.)
Oenothera rhombipetala Nutt. (*Raimannia rhombipetala* (Nutt.) Rose.) Rhombic-petaled Evening-primrose.
Oenothera serrulata Nutt. (*Meriolix serrulata* (Nutt.) Walp.) Serrate-leaved Evening-primrose.
Oenothera spachiana T. & G. (*Kneiffia spachiana* (T. & G.) Small.) Small Sundrops.
Oenothera speciosa Nutt. (*Hartmannia speciosa* (Nutt.) Small.) Showy Evening primrose.
Oenothera triloba Nutt. (*Lavauxia triloba* (Nutt.) Spach.) Three-lobed Evening-primrose.
Stenosiphon linifolius (Nutt.) Britton. (Includes *S. virgatus* Spach.) Flax-leaved Stenosiphon.

HALORAGIDACEAE. Water Milfoil Family.

- Myriophyllum scabratum* Michx. (*M. pinnatum* (Walt.) BSP.) Water Milfoil.
Proserpinaca palustris L. Mermaid-weed.

ARALIACEAE. Ginseng Family.

- Aralia spinosa* L. Hercules's Club.
Panax quinquefolia L. Ginseng. Sang.

UMBELLIFERAE (AMMIACEAE). Parsnip Family.

- Ammoselinum butleri* (Engelm.) Coult. & Rose. Butler's Sand-parsley.
Ammoselinum popei T. & G. Pope's Sand-parsley.
Berula erecta (Huds.) Coville. Water-parsnip.
Bifora americana (DC.) Wats.
Chaerophyllum procumbens (L.) Crantz. Spreading Chervil.
Chaerophyllum teinturierii Hook. Teinturier's Chervil.
Chaerophyllum texanum Coult. & Rose. Texas Chervil.
Cicuta maculata L. Water Hemlock. Musquash-poison.
Cryptotaenia canadensis (L.) DC. (*Deringa canadensis* (L.) Kuntze.) Honewort.
Cymopterus acaulis (Pursh.) Rydb. Plains Cymopterus.
Cynosciadium digitatum DC. Digitate Cynosciadium.
Cynosciadium pinnatum DC. Pinnate Cynosciadium.
Daucus carota L. Wild Carrot.
Daucus pusillus Michx. American Carrot.
Eryngium diffusum Torr. Diffuse Eryngo.

Eryngium leavenworthii T. & G. Leavenworth's Purple-top.

Eryngium prostratum Nutt. Prostrate Eryngo.

Eryngium yuccifolium Michx. (*E. aquaticum* L. in part.) Rattlesnake Master.

Button Snakeroot.

Eurytaenia texana T & G.

Hydrocotyle ranunculoides L. f. Floating Marsh-pennywort.

Hydrocotyle verticillata Thunb. Whorled Marsh-pennywort.

Lomatium daucifolium (Nutt.) Coult. & Rose. (*Cogswellia daucifolia* (Nutt.)

M. E. Jones.) Carrot-leaved Parsley.

Lomatium foeniculaceum (Nutt.) Coult. & Rose. (*Cogswellia foeniculacea* (Nutt.)

Coult. & Rose.) Hairy Parsley.

Osmorhiza longistylis (Torr.) DC. (*Washingtonia longistylis* (Torr.) Britton.)

Sweet Cicely.

Oxypolis rigidior (L.) Coult. & Rose. (*O. rigidius* (L.) auth., not Raf.) Cowbane.

Pastinaca sativa L. Wild Parsnip.

Polytaenia nuttallii DC. (*Pleiotanea nuttallii* (DC.) Coult. & Rose.) Prairie Parsley.

Ptilimnium capillaceum (Michx.) Raf. Mock Bishop-weed.

Ptilimnium nuttallii (DC.) Britton. Nutall's Mock Bishop-weed.

Sanicula canadensis L. Short-styled Snake-root.

Sanicula gregaria Bicknell. Clustered Snake-root.

Spermolepis divaricata (Walt.) Britton. Rough-fruited Spermolepis.

Spermolepis echinata (Nutt.) Heller. Bristly-fruited Spermolepis.

Spermolepis patens (Nutt.) Robinson. Spreading Spermolepis.

Taenidia integerrima (L.) Drude. Yellow Pimpernel

Thaspium barbinode (Michx.) Nutt. Hairy-jointed Meadow-parnsip.

Torilis anthriscus (L.) Bernh. Erect Hedge Parsley.

Trepocarpus aethusae Nutt.

Zizia aurea (L.) Koch. Golden Meadow-parnsip.

CORNACEAE. Dogwood Family.

Cornus amomum Mill. (*C. obliqua* Raf.) Silky Dogwood. Kinnikinnik.

Cornus asperifolia Michx. Rough-leaved Dogwood.

Cornus florida L. (*Cynoxylon floridum* (L.) Raf.) Flowering Dogwood.

Cornus paniculata L'Her. (*C. femina* Mill.) Panicked Dogwood.

Nyssa sylvatica Marsh. Black or Sour Gum. Tupelo. Pepperidge.

ERICACEAE (Including VACCINIACEAE.) Heath Family.

Lyonia ligustrina (L.) DC. (*Xolisma ligustrina* (L.) Britton.) Male Berry.

Rhododendron nudiflorum (L.) Torr. (*Azalea nudiflora* L.) Wild Honeysuckle.

Purple or Pink Azalea.

Rhododendron oblongifolium (Small) Millais.

Rhododendron roseum Rehd.

Rhododendron viscosum (L.) Torr. (*Azalea viscosa* L.) Swamp Honeysuckle.

White or Clammy Azalea.

Vaccinium arboreum Marsh. (*Batodendron arboreum* (Marsh.) Nutt.) Tree

Huckleberry. Farkleberry.

Vaccinium arboreum var. *glaucescens* (Greene) Sarg. (*Batodendron glaucescens* Greene.) Tree Huckleberry.

Vaccinium melanocarpum Mohr. (*Polycodium melanocarpum* (Mohr) Small.)

Squaw Huckleberry. Buckberry. Deerberry.

Vaccinium stamineum L. (*Polycodium stamineum* (L.) Greene.) Deerberry. Squawberry.

Vaccinium vacillans Kalm. Late Low Blueberry. Blue Huckleberry.

PRIMULACEAE. Primrose Family.

Anagallis arvensis L. Common Pimpernel.

Androsace occidentalis Pursh. Androsace.

Centunculus minimus L. Chaffweed. False Pimpernel.

Dodecatheon meadia L. Shooting Star. American Cowslip.

Hottonia inflata Ell. American Featherfoil.

Samolus cuneatus Small.

Samolus ebracteatus HBK. Texas Water Pimpernel.

Samolus floribundus HBK. Water Pimpernel. Brookweed.

Steironema ciliatum (L.) Raf. Fringed Loosetrife.

Steironema lanceolatum (Walt.) Gray. Lance-leaved Loosetrife.

SAPOTACEAE. Sapodilla Family.

Bumelia lanuginosa (Michx.) Pers. Chittim-wood. Woolly Buckthorn.

EBENACEAE. Ebony Family.

Diospyros virginiana L. Persimmon.

STYRACACEAE. Storax Family.

Halesia monticola Sarg. Silver-bell or Snowdrop Tree.

OLEACEAE. Olive Family.

Chionanthus virginica L. Fringe-tree. Old Man's Beard.

Forestiera acuminata (Michx.) Poir. (*Adelia acuminata* Michx.) Swamp Privet.

Forestiera neo-mexicana Gray. Western Swamp Privet.

Fraxinus americana L. White Ash.

Fraxinus pennsylvanica Marsh. Red Ash.

Fraxinus pennsylvanica var. *lanceolata* (Borkh.) Sarg. (*F. lanceolata* Borkh.) Green Ash.

Fraxinus quadrangulata Michx. Blue Ash.

LOGANIACEAE. Logania Family.

Polypremum procumbens L. Polypremum.

Spigelia marilandica L. Indian Pink.

GENTIANACEAE. Gentian Family.

Bartonia paniculata (Michx.) Robinson. Branched Bartonia.

Centaureum beyrichii (T. & G.) Robinson. Centaury.

Eustoma russelianum (Hook.) Griseb. Russell's Eustoma.

Sabatia angularis (L.) Pursh. Rose-pink. Bitter-bloom.

Sabatia campestris Nutt. Prairie Sabatia.

APOCYNACEAE. Dogbane Family.

Amsonia angustifolia Michx. Narrow-leaved Amsonia.

Amsonia tabernaemontana Walt. (*A. amsonia* (L.) Britton.) Broad-leaved Amsonia.

Apocynum cannabinum L. Dogbane. Indian Hemp.

Apocynum cannabinum var. *hypericifolium* (Ait.) Gray. (*A. sibiricum* Jacq.) Claspingleaved Dogbane.

Apocynum cannabinum var. *pubescens* (R. Br.) DC. (*A. pubescens* R. Br.) Velvet Dogbane.

Trachelospermum difforme (Walt.) Gray. Climbing Dogbane.

ASCLEPIADACEAE. Milkweed Family.

Acerates auriculata Engelm. Auricled Milkweed.

Acerates floridana (Lam.) Hitchc. Florida Milkweed.

Acerates viridiflora Ell. Green Milkweed.

Asclepias amplexicaulis J. E. Smith. Blunt-leaved Milkweed.

Asclepias arenaria Torr. Sand-hill Milkweed.

Asclepias incarnata L. Swamp Milkweed.

Asclepias latifolia (Torr.) Raf. Broad-leaved Milkweed.

Asclepias lindheimeri Englm.

Asclepias pumila (Gray) Vail. Low Milkweed.

Asclepias purpurascens L. Purple Milkweed.

Asclepias quadrifolia Jacq. Four-leaved Milkweed.

Asclepias speciosa Torr. Showy Milkweed.

Asclepias stenophylla Gray. (*Acerates angustifolia* (Nutt.) Dcne.) Narrow-leaved Milkweed.

Asclepias tuberosa L. Butterfly-weed.

Asclepias variegata L. White Milkweed.

Asclepias verticillata L. Whorled Milkweed.

Asclepiodora decumbens (Nutt.) Gray. Decumbent Milkweed.

Asclepiodora viridis (Walt.) Gray. Oblong-leaved Milkweed.

Gonolobus cynanchoides Engelm.

Gonolobus laevis Michx. Sand Vine.

Vincetoxicum baldwinianum (Sweet) Britton. Baldwin's Angle-pod.

Vincetoxicum biflorum (Raf.) Heller. Prairie Angle-pod.
Vincetoxicum carolinense (Jacq.) Britton. Carolina Angle-pod.
Vincetoxicum gonocarpos Walt. Large-leaved Angle-pod.

CONVOLVULACEAE. (Including **CUSCUTACEAE**). Morning-glory Family.

Breweria pickeringii (M. A. Curtis) Gray. (*Stylisma pickeringii* (M. A. Curtis) Gray.) Pickering's *Breweria*.

Convolvulus arvensis L. Small or Field Bindweed.
Convolvulus incanus Vahl. Hoary Bindweed.
Convolvulus sepium L. Hedge Bindweed.
Cuscuta arvensis Beyrich. Field Dodder. Love-vine.
Cuscuta cephalanthi Engelm. Button-Bush Dodder.
Cuscuta compacta Juss. Compact Dodder. Love-vine.
Cuscuta coryli Engelm. Hazel Dodder.
Cuscuta cuspidata Engelm. Cuspidate Dodder.
Cuscuta glomerata Choisy. (*C. paradoxa* Raf.) Glomerate or American Dodder.
Cuscuta gronovii Willd. Love-vine. Gronovius's Dodder.
Cuscuta indecora Choisy. Pretty Dodder.
Evolvulus argenteus Pursh. (*E. pilosus* Nutt.) Dwarf Morning-glory.
Ipomoea coccinea L. (*Quamoclit coccinea* (L.) Moench.) Small Red Morning-glory.
Ipomoea hederacea Jacq. Ivy-leaved Morning-glory.
Ipomoea lacunosa L. Small-flowered White Morning-glory.
Ipomoea leptophylla Torr. Bush Morning-glory.
Ipomoea longifolia Benth. (*I. carletoni* Holz.) Long-leaved Morning-glory.
Ipomoea pandurata (L.) G. F. W. Mey. Wild Potato Vine. Man-of-the-earth.
Ipomoea purpurea (L.) Roth. Common Morning-glory.

POLEMONIACEAE. Phlox Family.

Gilia acerosa (Gray) Britton. Needle-leaved Gilia.
Gilia longiflora (Torr.) Don. White-flowered Gilia.
Gilia rubra (L.) Heller. Red Gilia.
Phlox divaricata L. Blue Phlox.
Phlox paniculata L. Garden Phlox.
Phlox pilosa L. Downy Phlox.

HYDROPHYLLACEAE. Water-leaf Family.

Ellisia nyctelea L. (*Nyctelea nyctelea* (L.) Britton.) *Ellisia*.
Nama affine (Gray) Kuntze. (*Hydrolea affinis* Gray.) Smooth Nama.
Nama compactum Stevens, ined. Narrow-leaved Nama.
Nama hispidum Gray. (*Marilaunidium hispidum* (Gray) Kuntze.)
Nama hispidum var. *tenuis* (Small) Brand. (*Marilaunidium tenue* Small.)
Nama ovatum (Nutt.) Britton. (*Hydrolea ovata* Nutt.) Ovate-leaved Nama.
Phacelia corrugata A. Nels.
Phacelia dubia (L.) Small. Small-flowered Phacelia.
Phacelia hirsuta Nutt. Hairy Phacelia.
Phacelia integrifolia Torr. Crenate-leaved Phacelia.
Phacelia purshii Buckl. Pursh's Phacelia.
Phacelia strictiflora (Engelm. & Gray) Gray.

BORAGINACEAE. Borage Family.

Cynoglossum virginianum L. Wild Comfrey.
Heliotropium convolvulaceum (Nutt.) Gray. Sand Heliotrope.
Heliotropium curassavicum L. Sea-side Heliotrope.
Heliotropium indicum L. Indian Heliotrope.
Heliotropium tenellum (Nutt.) Torr. Slender Heliotrope.
Krynitzkia crassisejala (T. & G.) Gray. (*Cryptantha crassisejala* (T. & G.) Greene.)

Thick-sealed Cryptanth.

Krynitzkia jamesii Gray. (*Oreocarya suffruticosa* (Torr.) Greene.) Shrubby *Oreocarya*.
Lappula redowskii (Hornem.) Greene var. *occidentalis* (Wats.) Rydb. Hairy

Stickweed.

Lappula texana (Scheele) Britton. Cup Stickweed. Hairy Stickweed.
Lappula virginiana (L.) Greene. Virginia Stickweed.

Lithospermum angustifolium Michx. (*L. linearifolium* Goldie.) Narrow-leaved
Puccoon.

- Lithospermum canescens* (Michx.) Lehm. Hoary Puccoon.
Lithospermum gmelini (Michx.) Hitchc. (*L. carolinense* (Walt.) MacM.) Hairy Puccoon.
Lithospermum mandanese Spreng.
Myosotis virginica (L.) BSP. Early Scorpion-grass. Forget-me-not.
Myosotis virginica var. *macrosperma* (Engelm.) Fernald. (*M. macrosperma* Engelm.) Large-seeded Early Scorpion-grass.
Onosmodium hispidissimum Mackenzic. Shaggy False Gromwell.
Onosmodium occidentale Mackenzic. (*O. carolinianum* DC. in part.) Western False Gromwell.

VERBENACEAE. Vervain Family.

- Callicarpa americana* L. French Mulberry.
Lippia cuneifolia (Torr.) Steud. Wedge-leaved Fog-fruit.
Lippia lanceolata Michx. Fog-fruit.
Lippia nodiflora (L.) Michx. Spatulate-leaved Fog-fruit.
Verbena angustifolia Michx. Narrow-leaved Vervain.
Verbena bipinnatifida Nutt. Small-flowered Verbena.
Verbena bracteosa Michx. Large-bracted Verbena.
Verbena canadensis (L.) Britton. Large-flowered Verbena.
Verbena ciliata Benth. Hairy Verbena.
Verbena halei. Small. Hale's Verbena.
Verbena hastata L. Blue Vervain.
Verbena officinalis L. European Vervain. Berbine.
Verbena pumila Rydb. Dwarf Verbena.
Verbena stricta Vent. Hoary Vervain.
Verbena urticaefolia L. White Vervain.
Verbena xutha Lehm. Curved-seeded Vervain.

LABIATAE. Mint Family.

- Agastache nepetoides* (L.) Kuntze. Giant-hyssop.
Cunila origanoides (L.) Britton. Common Dittany. Stone Mint.
Hedeoma ciliata Nutt.
Hedeoma drummondii Benth. Drummond's Pennyroyal.
Hedeoma hispida Pursh. Rough or Little Pennyroyal.
Hedeoma longiflora Rydb. Long-flowered Pennyroyal.
Isanthus brachiatus (L.) BSP. False Pennyroyal.
Lamium amplexicaule L. Henbit. Dead Nettle.
Lamium purpureum L. Red Dead Nettle.
Leonurus cardiaca L. Common Motherwort.
Lycopus americanus Muhl. Cut-leaved Water Horehound.
Lycopus uniflorus Michx. Bugle-weed.
Marrubium vulgare L. Common Horehound.
Mentha piperita L. Peppermint.
Mentha spicata L. Spearmint.
Monarda bradburiana Beck. Bradbury Mint.
Monarda citriodora Cerv. Lemon Mint.
Monarda clinopodioides Gray.
Monarda dispersa Small. Purple Lemon Monarda.
Monarda fistulosa L. Horse Mint. Wild Bergamot.
Monarda lasiodonta (Gray) Small.
Monarda mollis L. Pale Wild Bergamot.
Monarda punctata L. Horse Mint. Wild Bergamot.
Monarda russelliana Nutt. Russell's Monarda.
Monarda stanfieldii Small. Standfield's Monarda.
Monarda tenuiaristata (Gray) Small.
Nepeta cataria L. Catnip. Catmint.
Nepeta hederacea (L.) Trevisan. (*Glechoma hederacea* L.) Ground Ivy.
Perilla frutescens (L.) Britton. Beef-steak Plant.
Physostegia virginiana (L.) Benth. (*Dracocephalum virginianum* L.) False Dragon Head. Obedient Plant. Lion's Heart.
Prunella vulgaris L. Carpenter Weed. Heal-all.
Pycnanthemum flexuosum (Walt.) BSP. (*Koellia flexuosa* (Walt.) MacM.) Narrow-leaved Mountain Mint.

Pycnanthemum incanum (L.) Michx. (*Koellia incana* (L.) Kuntze.) Hoary Mountain Mint.

Pycnanthemum pilosum Nutt. (*Koellia pilosa* (Nutt.) Britton.) Hairy Mountain Mint.

Pycnanthemum virginianum (L.) Durand & Jackson. (*Koellia virginiana* (L.) MacM.) Virginia Mountain Mint.

Salvia azurea Lam. var. *grandiflora* Benth. (*S. pitcheri* Torr.) Tall Blue Sage.

Salvia farinacea Benth.

Salvia lanceafolia Poir. Lance-leaved Sage.

Salvia lyrata L. Lyre-leaved Sage. Cancer-weed.

Satureja glabra (Nutt.) Fernald. (*Clinopodium glabrum* (Nutt.) Kuntze.) Low Calamint.

Scutellaria drummondii Benth. Drummond's Skullcap.

Scutellaria laseriflora L. Blue Skullcap.

Scutellaria parvula Michx. Small Skullcap.

Scutellaria pilosa Michx. Hairy Skullcap.

Scutellaria versicolor Nutt. (*S. cordifolia* Muhl.) Heart-leaved Skullcap.

Scutellaria wrightii Gray. (*S. resinosa* Torr.) Wright's Skullcap.

Stachys tenuifolia Willd. Smooth Hedge Nettle.

Teucrium canadense L. Germander. Wood-Sage.

Teucrium canadense var. *littorale* (Bicknell) Fernald. (*T. littorale* Bicknell.) Narrow-leaved Germander.

Teucrium cubense L. (*Melosmon cubense* (L.) Small.)

Teucrium laciniatum Torr. Cut-leaved Germander.

SOLANACEAE. Nightshade Family.

Chamaesaracha coronopus (Dunal) Gray. Smoothish Chamaesaracha.

Chamaesaracha sordida (Dunal) Gray. (*C. coniodes* (Mor.) Britton.) Hairy Chamaesaracha.

Datura metel L. Entire-leaved Thorn-apple.

Datura stramonium L. (*D. tatula* L.) Jimson Weed.

Lycium halimifolium Mill. Matrimony Vine. Box-thorn.

Nicanandra physalodes (L.) Pers. (*Physalodes physalodes* (L.) Britton.) Apple-of-Peru.

Physalis angulata L. Cut-leaved Ground Cherry.

Physalis barbadensis Jacq. (*P. obscura* Michx.) Barbadoes Ground Cherry.

Physalis comata Rydb. Hillside Ground Cherry.

Physalis heterophylla Nees. Clammy Ground Cherry.

Physalis ixiocarpa Brot. Tomatillo. Mexican Ground Cherry.

Physalis lanceolata Michx. Prairie Ground Cherry.

Physalis lobata Torr. (*Quincula lobata* (Torr.) Raf.) Purple-flowered Ground Cherry.

Physalis longifolia Nutt. Long-leaved Ground Cherry.

Physalis missouriensis Mackenzie & Bush. Missouri Ground Cherry.

Physalis mollis Nutt. Velvety Ground Cherry.

Physalis peruviana L. Peru Ground Cherry.

Physalis pruinosa L. Tall Hairy Ground Cherry. Strawberry Tomato.

Physalis pubescens L. Low Hairy Ground Cherry.

Physalis pumila Nutt. Low Ground Cherry.

Physalis rotundata Rydb. Round-leaved Ground Cherry.

Physalis subglabrata Mackenzie & Bush. Smooth Ground Cherry.

Physalis virginiana Mill. Virginia Ground Cherry.

Solanum carolinense L. Horse-nettle.

Solanum dulcamara L. Climbing or Bitter Nighthshade.

Solanum elaeagnifolium Cav. Silver-leaved Nighthshade or Horse-nettle.

Solanum nigrum L. Black Nighthshade. Deadly Nighthshade.

Solanum rostratum Dunal. Buffalo-bur. Bull-nettle. Santa Fe Thistle. Sand-bur.

Solanum torreyi Gray. Torrey's Nighthshade

Solanum triflorum Nutt. Cut-leaved Nighthshade.

SCROPHULARIACEAE. Figwort Family.

Bacopa acuminata (Walt.) Robinson. (*Mecardonia acuminata* (Walt.) Small.) Purple Hedge-hyssop.

Bacopa rotundifolia (Michx.) Wettst. (*Bramia rotundifolia* (Michx.) Britton.) Water Hyssop.

- Buchnera americana* L. Blue-hearts.
Castilleja coccinea (L.) Spreng. Indian Paint-brush. Scarlet Painted-cup.
Castilleja purpurea G. Don. Purple Painted-cup.
Castilleja sessiliflora Pursh. Downy Painted-cup.
Collinsia verna Nutt. Blue-eyed Mary. Broad-leaved Collinsia.
Collinsia violacea Nutt. Violet or Narrow-leaved Collinsia.
Conoclea multifida (Michx.) Benth. Conoclea.
Gerardia aspera Dougl. (*Agalinis aspera* (Dougl.) Britton.) Rough Purple Gerardia.
Gerardia auriculata Michx. (*Otophylla auriculata* (Michx.) Small.) Auricled Gerardia.
Gerardia densiflora Benth. (*Otophylla densiflora* (Benth.) Small.) Cut-leaved Gerardia.
Gerardia grandiflora Benth. (*Dasystoma grandiflora* (Benth.) Wood.) Large-flowered Gerardia. Western False Foxglove.
Gerardia grandiflora var. *serrata* (Torr.) Robinson. (*Dasystoma serrata* (Benth.) Small.) Serrate False Foxglove.
Gerardia heterophylla Nutt. Δ *Agalinis heterophylla* (Nutt.) Small.) Prairie Gerardia.
Gerardia paupercula (Gray) Britton. (*Agalinis paupercula* (Gray) Britton.) Small-flowered Gerardia.
Gerardia pedicularia L. (*Dasystoma pedicularia* (L.) Benth.) Fern-leaved or Lousewort False Foxglove.
Gerardia skinneriana Wood. (*Agalinis skinneriana* (Wood) Britton.) Skinner's Gerardia.
Gerardia strictiflora Benth. Small Gerardia.
Gerardia tenuifolia Vahl var. *macrophylla* Benth. (*Agalinis besseyana* Britton.) Bessey's Gerardia.
Gratiola sphaerocarpa Ell. Round-fruited Hedge-hyssop.
Gratiola virginiana L. Clammy Hedge-hyssop.
Ilysanthes anagallidea (Michx.) Robinson. (*I. dubia* auth., not *Gratiola dubia* L.) Long-stalked False Pimpernel.
Ilysanthes dubia (L.) Barnh. (*I. attenuata* (Muhl.) Small.) Short-stalked False Pimpernel.
Linaria canadensis (L.) Dumont. Blue Toad-flax.
Linaria vulgaris Hill. (*L. linaria* (L.) Karst.) Butter-and-eggs. Ramsted.
Mimulus alatus Ait. Sharp-winged Monkey-flower.
Mimulus glabratus HBK. var. *jamesii* (T. & G.) Gray. (*M. geyeri* Torr.) Round-leaved Monkey-flower.
Mimulus ringens L. Square-stemmed Monkey-flower.
Pedicularis canadensis L. Common Lousewort. Wood or Head Betony.
Penstemon acuminatus Dougl. Sharp-leaved Beard-tongue.
Penstemon albidus Nutt. White-flowered Beard-tongue.
Penstemon ambiguus Torr. (*Leiotemon ambiguus* (Torr.) Greene.)
Penstemon cobaea Nutt. Cobacea. Beard-tongue.
Penstemon digitalis (Sweet) Nutt. (*P. laevigatus* Ait. var. *digitalis* (Sweet) Gray.) Fox-glove Beard-tongue.
Penstemon gracilis Nutt. Slender. Beard-tongue.
Penstemon grandiflorus Nutt. Large-flowered Beard-tongue.
Penstemon hirsutus (L.) Willd. Hairy Beard-tongue.
Penstemon laevigatus Soland. (*P. penstemon* (L.) Britton.) Smooth Beard-tongue.
Penstemon pallidus Small. Pale Beard-tongue.
Penstemon tubiflorus Nutt. Funnel-shaped Beard-tongue.
Scrophularia leporella Bicknell. Hare Figwort.
Scrophularia marilandica L. Maryland Figwort. Heal-all.
Scrophularia occidentalis (Rydb.) Bicknell. Western Figwort.
Seymeria macrophylla Nutt. (*Afzelia macrophylla* (Nutt.) Kuntze.) Mullen Foxglove.
Verbascum blattaria L. Moth Mullein.
Verbascum thapsus L. Great Mullein.
Veronica arvensis L. Corn Speedwell. Wall Speedwell.
Veronica peregrina L. Purslane Speedwell.
Veronica virginica L. (*Leptandra virginica* (L.) Nutt.) Culver's-root. Beaumont's root. Bowman's-root.

LENTIBULARIACEAE. Bladderwort Family.

Utricularia biflora Lam. (*U. pumila* Walt.) Two-flowered Bladderwort.

Utricularia gibba L. Humped Bladderwort.

Utricularia vulgaris L. var. *americana* Gray. (*U. macrorhiza* Le Conte.) Greater Bladderwort.

OROBANCHACEAE. Broom-rape Family.

Orobanche ludoviciana Nutt. Louisiana Broom-rape.

Orobanche uniflora L. (*Thalesia uniflora* (L.) Britton.) One-flowered Broom-rape. Cancer-root.

BIGNONIACEAE. Trumpet-creeper Family.

Bignonia capreolata L. (*Anisostichus capreolata* (L.) Bureau.) Tendrilled Trumpet-flower.

Catalpa bignonioides Walt. (*C. catalpa* (L.) Karst.) Catalpa.

Catalpa speciosa Warder. Western Catalpa. Hardy Catalpa.

Tecoma radicans (L.) Juss. (*Bignonia radicans* L.) Trumpet-creeper. Trumpet-flower.

MARTYNIACEAE. Unicorn-plant Family.

Martynia louisiana Mill. Devil's Claw. Unicorn-plant.

ACANTHACEAE. Acanthus Family.

Dianthera americana L. Dense-flowered Water-willow.

Dianthera lanceolata (Chapm.) Small. Narrow-leaved Water-willow.

Dianthera ovata Walt. Loose-flowered Water-willow.

Dicliptera brachiata (Pursh) Spreng. (*Diapedium brachiatum* (Pursh) Kuntze.)

Ruellia ciliosa Pursh. Hairy Ruellia.

Ruellia pedunculata Torr. Stalked Ruellia.

Ruellia strepens L. Smooth Ruellia.

PHRYMACEAE. Lopseed Family.

Phryma leptostachya L. Lop-seed.

PLANTAGINACEAE. Plantain Family.

Plantago aristata Michx. Long-bracted Plantain.

Plantago elongata Pursh. (*P. pusilla* Nutt.) Slender Plantain.

Plantago heterophylla Nutt. Many-seeded Plantain.

Plantago lanceolata L. Rib-grass.

Plantago major L. Common Plantain.

Plantago media L. Hoary Plantain.

Plantago purshii R. & S. Pursh's Plantain.

Plantago rhodosperma Dcne. Red-seeded Plantain.

Plantago rugelii Dcne. Rugel's Plantain. Pale Plantain.

Plantago spinulosa Dcne.

Plantago virginica L. Western Plantain.

Plantago wrightiana Dcne. Wright's Plantain.

RUBIACEAE. Madder Family.

Cephalanthus occidentalis L. Button-bush. Glove-finger.

Diodia teres Walt. Rough Buttonweed.

Diodia virginiana L. Larger. Buttonweed.

Galium aparine L. Goose-grass. Cleavers.

Galium aparine var. *vallantii* (DC.) Koch. (*G. vallantii* DC.) Vaillant's Goose-grass.

Galium arkansanum Gray. Arkansas Bedstraw.

Galium circaezans Michx. Wild Liquorice. Cross-cleaver.

Galium pilosum Ait. Hairy Bedstraw.

Galium triflorum Michx. Sweet-scented Bedstraw.

Galium virgatum Nutt. Southwestern Bedstraw.

Houstonia angustifolia Michx. Narrow-leaved Houstonia.

Houstonia lanceolata (Poir.) Britton. Calyose Houstonia.

Houstonia longifolia Gaertn. Long-leaved Houstonia.

Houstonia minima Beck. Least Bluets.

Houstonia patens Ell. Small Bluets.

Houstonia purpurea L. Large Houstonia.

Mitchella repens L. Partridge-berry. Twin-berry.

Spermacoce glabra Michx. Smooth Buttonweed.

CAPRIFOLIACEAE. Honeysuckle Family

- Lonicera albiflora* T. & G. White-flowered Honeysuckle.
Lonicera flava Sims. Yellow Honeysuckle.
Lonicera sempervirens L. Trumpet or Evergreen Honeysuckle.
Sambucus canadensis L. American Elder. Elder-berry.
Symphoricarpos orbiculatus Moench. (*S. symphoricarpos* (L.) MacM.) Buck-bush.
 Coral-berry. Indian Currant.
Triosteum aurantiacum Bicknell. Scarlet-fruited Horse gentain.
Triosteum perfoliatum L. Horse-gentian. Feverwort.
Viburnum prunifolium L. Black Haw.
Viburnum rufidulum Raf. Southern Black Haw.

VALERIANACEAE. Valerian Family.

- Valerianella longiflora* (T. & G.) Walp. Long-flowered Corn Salad.
Valerianella nuttallii (T. & G.) Walp. Nuttall's Corn Salad.
Valerianella radiata (L.) Dufur. Beaked Corn Salad.
Valerianella stenocarpa (Engelm.) Krok. Narrow-celled Corn Salad.

CUCURBITACEAE. Gourd Family.

- Citrullus vulgaris* Schrad. Watermelon.
Cucurbita foetidissima HBK. (*Pepo foetidissima* (HBK.) Britton.) Wild Pumpkin.
 Missouri Gourd.
Cyclanthera dissecta (T. & G.) Arn. Cut-leaved Cyclanthera.
Echinocystis lobata (Michx.) T. & G. (*Micrampelis lobata* (Michx.) Greene.) Wild
 Balsam-apple.
Melothria pendula L. Creeping Cucumber.
Sicyos angulatus L. Star Cucumber. One-seeded Bur-cucumber.

CAMPANULACEAE. Bluebell Family.

- Campanula americana* L. Tall Bellflower.
Specularia biflora (R. & P.) F. & M. Small Venus's Looking-glass.
Specularia leptocarpa (Nutt.) Gray. Western Venus's Looking-glass.
Specularia perfoliata (L.) A. DC. Venus's Looking-glass.

LOBELIACEAE. Lobelia Family.

- Lobelia appendiculata* DC.
Lobelia cardinalis L. Cardinal Flower. Red Lobelia.
Lobelia leptostachys A. DC. Spiked Lobelia.
Lobelia puberula Michx. Downy Lobelia.
Lobelia siphilitica L. Great Lobelia. Blue Cardinal Flower.
Lobelia spicata Lam. Pale Spiked Lobelia.
Lobelia splendens Willd.

COMPOSITAE (Including CICHORIACEAE and AMBROSACEAE). Composite Family.

- Achillea lanulosa* Nutt. Woolly Yarrow.
Achillea millefolium L. Yarrow.
Actinea acaulis (Pursh). Spreng. (*Tetraneuris acaulis* (Pursh) Greene.) Stemless
 Actinea.
Actinea linearifolia (Hook.) Kuntze. (*Tetraneuris linearifolia* (Hook.) Greene.)
 Woolly Actinea.
Actinea odorata (DC) Kuntze. (*Hymenoxys odorata* DC.) Limonillo.
Actinea scaposa (Nutt.) Kuntze var. *linearis* (Nutt.) Robinson. (*Tetraneuris sten-*
ophylla Rydb.) Narrow-leaved Actinea.
Actinomeris alternifolia (L.) DC. (*Ridan alternifolius* (L.) Britton.) Wing-stern.
Agoseris cuspidata (Pursh) Steud. (*Nothocalais cuspidata* (Pursh, Greene.) Prairie.
 False Dandelion.
Ambrosia aptera DC. Wingless-petioled Ragweed.
Ambrosia artemisiifolia L. (*A. elatior* L.) Ragweed. Roman Wormwood.
Ambrosia bidentata Michx. Lance-leaved Ragweed.
Ambrosia psilostachys DC. Western Ragweed.
Ambrosia trifida L. Great Ragweed.
Amphicaryis dracunculoides (DC.) Nutt. August Flower. Kindling-weed.
Anaphalis margaritacea (L.) Benth. & Hook. Pearly Everlasting.
Antennaria campestris Rydb. Prairie Cat's-foot

- Antennaria parvifolia* Nutt. Small-leaved Cat's-foot.
Antennaria plantaginifolia (L.) Richards. Plantain-leaved Cat's-foot. Indian Tobacco.
Artemisia cotula L. Dog-fennel. May-weed. Fetid Marigold.
Aphaostephus pulchellus Stevens, ined. Purple-flowered Sand-daisy.
Aphanostephus skirrobasis (DC.) Trel. White-flowered Sand-daisy.
Aplopappus ciliatus (Nutt.) DC. (*Prionopsis ciliata* Nutt.) Rosin-weed.
Aplopappus divaricatus (Nutt.) Gray. (*Isopappus divaricatus* (Nutt.) T. & G.)
Aplopappus rubiginosus T. & G. (*Sideranthus rubiginosus* (T. & G.) Britton.)
Aplopappus spinulosus (Pursh) DC. (*Sideranthus spinulosus* (Pursh) Sweet.) Cut-leaved Aplopappus.
Arctium minus Schkuhr. Common Burdock.
Artemisia caudata Michx. Green Sage-brush.
Artemisia dracunculoides Pursh. Linear-leaved Sage-brush.
Artemisia filifolia Torr. Common Sage-brush. Silvery Wormwood.
Artemisia gnaphalodes Nutt. Prairie or Western Sage-brush.
Artemisia kansana Britton. Kansas Sage-brush.
Artemisia ludoviciana Nutt. Dark-leaved Sage-brush.
Artemisia mexicana Willd. Mexican Sage-brush or Mugwort.
Aster anomalus Engelm. Many-rayed Aster.
Aster azureus Lindl. (*A. poaceus* Burgess.) Sky-blue Aster.
Aster drummondii Lindl. Drummond's Aster.
Aster ericaefolius Roth. (*Leucelele ericoides* (Torr.) Greene.) Dwarf Aster. Heath-aster.
Aster exilis Ell. Slim Aster.
Aster fendleri Gray. Fendler's Aster.
Aster multiflorus Ait. Many-flowered Aster.
Aster oblongifolius Nutt. (*A. humleinii* Fries.) Aromatic Aster.
Aster paludosus Ait. Swamp Aster.
Aster patens Ait. Late Purple Aster.
Aster patens var. *gracilis* Hook. (*A. tenuicaulis* (C. Mohr) Burgess.) Late Purple Aster.
Aster sagittifolius Wedemeyer. Arrow-leaved Aster.
Aster salicifolius Ait. Willow Aster.
Aster sericeus Vent. Silky Aster.
Aster tanacetifolius HBK. (*Machaeranthera tanacetifolia* (HBK.) Nees.) Tansy-leaved Aster.
Aster turbinellus Lindl. Prairie Aster.
Aster vimineus Lam. Small White Aster.
Baccharis neglecta Britton. Linear-leaved Baccharis.
Baccharis salicina T. & G. Willow Baccharis.
Bahia oppositifolium Nutt. (*Pieradeniopsis oppositifolia* (Nutt.) Rydb.)
Bellis integrifolia Michx. Western Daisy.
Berlandiera lyrata Benth. Lyre-leaved Berlandiera.
Berlandiera texana DC. Texas Berlandiera.
Bidens aristosa (Michx.) Britton. Western Tickseed-Sunflower.
Bidens bipinnata L. Spanish Needles.
Bidens cernua L. Water Spanish Needles.
Bidens connata Muhl. Purple-stemmed Swamp Beggar-ticks.
Bidens discoidea (T. & G.) Britton. Small Beggar-ticks.
Bidens frondosa L. Beggar-ticks.
Bidens involucreta (Nutt.) Britton. Long-bracted Spanish Needles.
Bidens laevis (L.) BSP. Larger or Smooth Bur-Marigold.
Bidens vulgata Greene. Tall Beggar-ticks.
Boltonia diffusa Ell. Panicked Boltonia.
Boltonia lat squama Gray. Broad-scaled Boltonia.
Brauneria angustifolia (DC.) Heller. (*Echinacea angustifolia* DC.) Narrow-leaved Purple Cone-flower.
Brauneria pallida (Nutt.) Britton. (*Echinacea pallida* (Nutt.) Britton.) Pale Purple Cone-flower.
Brauneria purpurea (DC.) Britton. (*Echinacea purpurea* (L.) Moench.) Red Sunflower. Purple Cone-flower. Black Sampson.
Cacalia atriplicifolia L. (*Mesadenia atriplicifolia* (L.) Raf.) Pale Indian Plantain.
Cacalia tuberosa Nutt. (*Mesadenia tuberosa* (Nutt.) Britton.) Tuberous Indian Plantain.

- Centaurea americana* Nutt. American Star-thistle.
Centaurea cyanus L. Blue-bottle.
Chaetopappa asteroides DC.
Chrysanthemum leucanthemum L. Ox-eye. White Daisy. Marguerite.
Chrysopsis graminifolia (Michx.) Nutt. Grass-leaved Golden Aster.
Chrysopsis pilosa Nutt. Nuttall's Golden Aster.
Chrysopsis villosa Nutt. Hairy Golden Aster.
Chrysopsis villosa var. *hispida* (Hook.) Gray. (*C. hispida* (Hook.) Nutt.) Hispid.
 Golden Aster.
Chrysopsis villosa var. *stenophylla* Gray. (*C. stenophylla* (Gray) Greene.) Stiff-leaved
 Golden Aster.
Cichorium intybus L. Common Chicory. Blue Sailors.
Cirsium altissimum (L.) Spreng. Tall Thistle.
Cirsium discolor (Muhl.) Spreng. Field Thistle.
Cirsium ochrocentrum Gray. Yellow-spined Thistle.
Cirsium undulatum (Nutt.) Spreng. Wavy-leaved Thistle.
Cirsium virginianum (L.) Michx. Virginia Thistle.
Coreopsis auriculata L. Running or Lobed Tickseed.
Coreopsis cardaminifolia (DC.) T. & G. Cress-leaved Coreopsis.
Coreopsis grandiflora Hogg. Large-flowered Coreopsis.
Coreopsis harveyana Gray. Harvey's Coreopsis.
Coreopsis lanceolata L. var. *villosa* Michx. (*C. crassifolia* Ait.) Thick-leaved Tick-
 seed or Coreopsis.
Coreopsis palmata Nutt. Stiff Coreopsis.
Coreopsis pubescens Ell. Star Tickseed or Coreopsis.
Coreopsis tinctoria Nutt. Golden Coreopsis. Garden Tickseed.
Coreopsis tripteris L. Tall Coreopsis.
Coreopsis verticillata L. Whorled Tickseed.
Dyssodia papposa (Vent.) Hitchc. (*Boebera papposa* (Vent.) Rydb.) False Dog-
 fennel. Prairie-dog Weed. Fetid Marigold.
Dyssodia tagetoides (T. & G.) Small. (*Hymenatherum tagetoides* (T. & G.) Gray;
Thymophylla tagetoides (T. & G.) Small.)
Eclipta alba (L.) Hassk. (*Verbesina alba* L.) Yerba de tajo.
Elephantopus carolinianus Willd. Elephant's Foot.
Engelmannia pinnatifida T. & G. Engelmannia.
Erigeron annuus (L.) Pers. White-top. Sweet Scabious.
Erigeron bellidiastrum Nutt. Western Daisy Fleabane.
Erigeron canadensis L. (*Lepilon canadense* (L.) Britton.) Horse-tail. Horse-weed.
Erigeron canus Gray. Hoary Fleabane.
Erigeron divaricatus Michx. (*Lepilon divaricatum* (Michx.) Raf.) Low Horse-weed.
Erigeron divergens T. & G. Spreading Fleabane.
Erigeron philadelphicus L. Philadelphia Fleabane. Skevish.
Erigeron pulchellus Michx. Pretty Fleabane.
Erigeron ramosus (Walt.) BSP. Daisy Fleabane.
Erigeron tenuis T. & G. Slender Fleabane.
Eupatorium altissimum L. Tall Thoroughwort.
Eupatorium coelestinum L. Mist-flower. Blue Boneset.
Eupatorium perfoliatum L. Common Boneset. Indian Sage.
Eupatorium purpureum L. Joe-Pye Weed. Tall Boneset.
Eupatorium purpureum var. *maculatum* (L.) Darl. (*E. maculatum* L.) Spotted
 Joe-Pye Weed.
Eupatorium semiserratum DC. Small-flowered Thoroughwort.
Eupatorium serotinum Michx. Late-flowering Thoroughwort.
Eupatorium urticaefolium Reichard. White Boneset. White Snakeroot.
Evox multicaulis DC. (*Filago nivea* Small.) Rabbit Tobacco.
Evox prolifera Nutt. (*Filago prolifera* (Nutt.) Britton.) Rabbit Tobacco.
Flaveria campestris Johnson. Plains Flaveria.
Gaillardia fastigiata Greene.
Gaillardia lanceolata Michx. Lance-leaved Gaillardia.
Gaillardia lutea Greene. Yellow Gaillardia.
Gaillardia pinnatifida Torr. Pinnate-leaved Gaillardia.
Gaillardia pulchella Foug. Showy Gaillardia.
Gaillardia swaisii (Gray) Britt. & Rusby. Cut-leaved Rayless Gaillardia.
Gaillardia trinervata Small. Entire-leaved Rayless Gaillardia.

Galinsoga parviflora Cav. Galinsoga

Gnaphalium polycephalum Michx. (*G. obtusifolium* L.) Fragrant White Balsam.
Sweet Life-everlasting.

Gnaphalium purpureum L. Purple Cudweed.

Grindelia lanceolata Nutt. Narrow-leaved Gum-plant or Rosin-weed.

Grindelia squarrosa (Pursh) Dunal. Broad-leaved Gum-plant or Rosin-weed.

Gutierrezia sarothrae (Pursh) Britt. & Rusby. Broom-weed.

Haploesthes greggii Gray. Gregg's Haploesthes.

Helenium autumnale L. False or Swamp Sunflower.

Helenium microcephalum DC.

Helenium nudiflorum Nutt. Purple-head Sneezeweed.

Helenium tenuifolium Nutt. Fine-leaved Sneezeweed.

Helenium tenuifolium var. *badium* Gray. (*H. badium* (Gray) Greene..)

Helianthus annuus L. Common Sunflower.

Helianthus arorubens L. Hairy Wood Sunflower.

Helianthus ciliaris DC. Smooth Sunflower.

Helianthus decapetalus L. Thin-leaved Sunflower.

Helianthus divaricatus L. Rough or Woodland Sunflower.

Helianthus doronicoides Lam. Oblong-leaved Sunflower.

Helianthus giganteus L. Giant Sunflower.

Helianthus grosseserratus Martens. Saw-toothed Sunflower.

Helianthus hirsutus Raf. Stiff-haired Sunflower.

Helianthus maximiliani Schrad. Maximilian's Sunflower.

Helianthus microcephalus T. & G. Small Wood Sunflower.

Helianthus mollis Lam. Hairy Sunflower.

Helianthus orgyalis DC. Linear-leaved Sunflower.

Helianthus petiolaris Nutt. Prairie Sunflower.

Helianthus scaberrimus Ell. Stiff Sunflower.

Helianthus strumosus L. Pale-leaved Wood Sunflower.

Helianthus trachelifolius Mill. Throatwort Sunflower.

Helianthus tuberosus L. Jerusalem Artichoke.

Heliopsis scabra Dunal. Rough False Sunflower.

Heterotheca subaxillaris (Lam.) Britt. & Rusby. Heterotheca.

Hieracium gronovii L. Hairy Hawkweed.

Hieracium longipilum Torr. Long-bearded Hawkweed.

Hieracium scabrum Michx. Rough Hawkweed.

Hymenopappus artemisiaefolius DC.

Hymenopappus carolinensis (Lam.) Porter. White-bracted Hymenopappus.

Hymenopappus corymbosus T. & G. (*H. sulphureus* Rydb.) Smooth White Hymenopappus.

Hymenopappus flavescens Gray. Woolly Yellow Hymenopappus.

Hymenopappus sulphureus Rydb.

Hymenopappus tenuifolius Pursh. Woolly White Hymenopappus.

Iva angustifolia Nutt. Narrow-leaved Iva or Marsh Elder.

Iva ciliata Willd. Rough Marsh Elder.

Iva xanthifolia Nutt. Cocklebur-leaved Iva. Burweed Marsh Elder.

Krigia dandelion (L.) Nutt. (*Cynthia dandelion* (L.) DC.) Dwarf Dandelion.

Krigia occidentalis Nutt. (*Cymbia occidentalis* (Nutt.) Standley.) Western Dwarf

Dandelion.

Krigia virginica (L.) Willd. Eastern Dwarf Dandelion.

Kuhnia eupatorioides L. False Boneset.

Kuhnia eupatorioides var. *corymbulosa* T. & G. (*K. glutinosa* Ell.) Prairie False

Boneset.

Lactuca campestris Greene. Prairie Lettuce.

Lactuca canadensis L. Tall Lettuce. Wild Opium.

Lactuca floridana (L.) Gaertn. Florida Wild Lettuce.

Lactuca hirsuta Muhl. Hairy Wood-lettuce.

Lactuca ludoviciana (Nutt.) Riddell. Western Lettuce.

Lactuca pulchella (Pursh) DC. Large-flowered Blue Lettuce.

Lactuca sagittifolia Ell. Arrow-leaved Lettuce.

Lactuca scariola L. (*L. virosa* L.) Prickly Lettuce.

Lepachys columnaris (Sims) T. & G. (*Ratibida columnaris* (Sims) D. Don.)

Long-headed Cone-flower.

- Lepachys pinnata* (Vent.) T. & G. (*Ratibida pinnata* (Vent.) Barnhart.) Short-rayed Cone-flower.
- Lepachys tagetes* (James) Gray. (*Ratibida tagetes* (James) Barnhart.) Short-rayed Cone-flower.
- Liatris acidota* Engelm. & Gray. (*Lacinaria acidota* (Engelm. & Gray.) Kuntze.) Slender Button-snakeroot. Slender Blazing Star.
- Liatris elegans* (Walt.) Willd. (*Lacinaria elegans* (Walt.) Kuntze.) Handsome Blazing Star.
- Liatris punctata* Hook. (*Lacinaria punctata* (Hook.) Kuntze.) Dotted Button Snake-root. Small Blazing Star.
- Liatris pycnostachya* Michx. (*Lacinaria pycnostachya* (Michx.) Kuntze.) Harry Button-snakeroot. Hairy Blazing Star.
- Liatris scariosa* Willd. (*Lacinaria scariosa* (L.) Hill.) Large Button-snakeroot. Large Blazing Star.
- Liatris squarrosa* Willd. (*Lacinaria squarrosa* (L.) Hill.) Scaly Blazing Star.
- Lindheimeria texana* Gray & Engelm. Texas Lindheimeria.
- Lygodesmia aphylla* DC. var. *texana* T. & G. (*L. texana* (T. & G.) Greene.) Texas Lygodesmia.
- Lygodesmia juncea* (Pursh) D. Don. Leafless Plant. Rush-like Lygodesmia.
- Marshallia caespitosa* Nutt. Narrow-leaved Marshallia.
- Melampodium leucanthum* T. & G. Plains Melampodium.
- Mikania scandens* (L.) Willd. Climbing Boneset.
- Parthenium hysterophorus* L. Santa Maria.
- Parthenium integrifolium* L. American Fever-few. Prairie Dock.
- Pluchea camphorata* (L.) DC. Spicy Fleabane. Salt-marsh. Fleabane.
- Pluchea petiolata* Cass. Inland Marsh Fleabane.
- Polymnia canadensis* L. Small-flowered Leaf-cup.
- Polymnia uvedalia* L. Large-flowered Leaf-cup.
- Polypteris hookeriana* Gray. (*Othake sphacelatum* (Nutt.) Rhydb.) Rayed Polypteris.
- Polypteris texana* (DC.) Gray (*Palafoxia texana* DC.) Large-flowered Rayless Polypteris.
- Prenanthes altissima* L. (*Nabalus altissimus* (L.) Hook.) Tall White Lettuce.
- Prenanthes aspera* Michx. (*Nabalus asper* (Michx.) T. & G.) Rough White Lettuce.
- Psilostrophe villosa* Rydb. Plains Psilostrophe.
- Pyrhopappus carolinianus* (Walt.) DC. (*Sitilias caroliniana* (Walt.) Raf.) Leafy-stemmed False Dandelion.
- Pyrhopappus scaposus* DC. (*Sitilias grandiflora* (Nutt.) Greene.) Rough False Dandelion.
- Rudbeckia alismaefolia* T. & G.
- Rudbeckia amplexicaulis* Vahl. (*Dracopis amplexicaulis* (Vahl) Cass.) Claspingleaved Cone-flower.
- Rudbeckia bicolor* Nutt. Two-colored Cone-flower.
- Rudbeckia grandiflora* C. C. Gmelim. Large-flowered Cone-flower.
- Rudbeckia hirta* L. Black-eyed Susan. Yellow Daisy.
- Rudbeckia laciniata* L. Tall Cone-flower. Golden-glow.
- Rudbeckia maxima* Nutt. Great Cone-flower.
- Rudbeckia subtomentosa* Pursh. Sweet Cone-flower.
- Rudbeckia triloba* L. Thin-leaved Cone-flower.
- Senecio aureus* L. Golden Ragwort.
- Senecio filifolius* Nutt.
- Senecio glabellus* Poir. (*S. mississippianus* DC.) Butter-weed.
- Senecio imparipinnatus* Klatt.
- Senecio obovatus* Muhl. Round-leaved Squaw-weed.
- Senecio platensis* Nutt. Prairie Ragwort
- Senecio riddellii* T. & G. (*fremontii* (T. & G.) Rydb.) Riddell's Ragwort.
- Senecio tridenticulatus* Rydb. (*S. densus* Greene; *S. compactus* (Gray) Rydb.) Western Squaw-weed.
- Serinia oppositifolia* (Raf.) Kuntze. Serinia.
- Sideranthus cotula* Small.
- Silphium aspernum* Hook. Sharp-leaved Rosin-weed.
- Silphium asteriscus* L. Starry Rosin-weed.
- Silphium integrifolium* Michx. Entire-leaved Rosin-weed.
- Silphium laciniatum* L. Compass-plant.

- Silphium perfoliatum* L. Cup-plant. Indian Cup.
Solidago altissima L. Tall Goldenrod.
Solidago bigelovii Gray. Bigelow's Goldenrod.
Solidago boottii Hook. Boott's Goldenrod. Wreath Goldenrod.
Solidago caesia L. Blue-stemmed Goldenrod. Wreath Goldenrod.
Solidago gymnospermoides (Greene) Fernald. (*Euthamia gymnospermoides* Greene.
Viscid Bushy Goldenrod.
Solidago hispida Muhl. Hairy Goldenrod.
Solidago lindheimeriana Scheele. Lindheimer's Goldenrod.
Solidago missouriensis Nutt. (*S. glaberrima*. Martens.) Missouri Goldenrod.
Solidago mollis Bartl. Velvety or Ground Goldenrod.
Solidago nemoralis Ait. Late Goldenrod.
Solidago nitida T. & G. (*Oligoneuron nitidum* (T. & G.) Small.) Narrow-leaved Goldenrod.
Solidago odora Ait. Sweet Goldenrod. Anise-scented Goldenrod.
Solidago petiolaris Ait. Downy Ragged Goldenrod.
Solidago radula Nutt. Western Rough Goldenrod.
Solidago rigida L. Stiff or Hard-leaved Goldenrod.
Solidago rugosa Mill. Wrinkled-leaved Goldenrod.
Solidago serotina Ait. Late Goldenrod.
Solidago speciosa Nutt. Showy Goldenrod.
Solidago ulmifolia Muhl. Elm-leaved Goldenrod.
Sonchus asper (L.) Hill. Spiny Snow-thistle.
Spilanthes americana (Mutis) Hieron. var. *repens* (Walt.) A. H. Moore. (*S. repens* (Walt.) Michx.)
Stephanomeria pauciflora (Torr.) Nels. (*Ptiloria pauciflora* (Torr.) Raf.) Brown-plumed Stephanomeria.
Tanacetum vulgare L. Tansy.
Taraxacum laevigatum (Willd.) DC. (*T. erythrospermum* Andr.; *Leontodon erythrospermum* (Andrz.) Britton.) Red-seeded Dandelion.
Taraxacum vulgare (Lam.) Schrank. (*T. officinale* Weber; *Leontodon taraxacum* L.) Common Dandelion.
Thelesperma gracile (Torr.) Gray. Rayless Thelesperma.
Thelesperma trifidum (Poir.) Britton. Fine-leaved Thelesperma.
Townsendia grandiflora Nutt. Large-flowered Townsendia.
Townsendia wilcoxiana Wood. Stemless Townsendia.
Tragopogon porrifolius L. Oyster plant. Salsify.
Verbesina encelioides (Cav.) Gray. (*Ximenesia encelioides* Cav.) Golden Crownbeard.
Verbesina helianthoides Michx. (*Phaethusa helianthoides* (Michx.) Britton.) Sunflower Crownbeard.
Verbesina occidentalis (L.) Walt. (*Phaethusa occidentalis* (L.) Britton.) Small Yellow Crownbeard.
Verbesina virginica L. (*Phaethusa virginica* (L.) Britton.) White Crownbeard.
Vernonia altissima Nutt. Tall Ironweed.
Vernonia baldwini Torr. (*V. interior* Small.) Baldwin's Ironweed.
Vernonia crinita Raf. Great Ironweed.
Vernonia fasciculata Michx. Western Ironweed.
Vernonia lettermannii Engelm. Letterman's Ironweed.
Vernonia marginata (Torr.) Raf. Narrow-leaved Ironweed.
Vernonia missurica Raf. Missouri Ironweed.
Vernonia noveboracensis (L.) Willd. New York Ironweed.
Xanthisma texanum DC.
Xanthium chinense Mill. Cocklebur.
Xanthium italicum Mor. Cocklebur.
Xanthium pennsylvanicum Wallr. Cocklebur.
Xanthium speciosum Kearney. Great Cocklebur.
Xanthium spinosum L. Spiny Cocklebur.
Zinnia grandiflora Nutt. (*Crassina grandiflora* (Nutt.) Kuntze.) Prairie Zinnia

SPECIES RECORDED FROM OKLAHOMA IN PUBLISHED LISTS
BUT WHICH HAVE BEEN OMITTED FROM THE PRESENT LIST

POLYPODIACEAE.

Dryopteris goldieana (Hook) Gray.

PINACEAE.

Juniperus communis L.

GRAMINEAE.

Panicum amarum Ell.*Paspalum ciliatifolium* Michx.*Paspalum dissectum* L. (*P. walterianum* Schultes.)

CYPERACEAE.

Carex cephaloidea Dewey.*Carex glaucodea* Tuckerm.*Cyperus houghtoni* Torr.*Scirpus atrovirens* Muhl.*Scirpus sylvaticus* L.

COMMELINACEAE.

Tradescantia brevicaulis Raf.

LILIACEAE.

Allium cernuum Roth.*Allium tricoccum* Ait.*Streptopus amplexifolius* (L.) DC.*Zygadenus elegans* Pursh.

SALICACEAE.

Populus heterophylla L.*Populus nigra* Marsh.

BETULACEAE.

Betula lutea Michx. f.*Betula populifolia* Marsh.

FAGACEAE.

Quercus imbricaria Michx.*Quercus lyrata* Walt.*Quercus montana* Willd. (*Q. prinus* auth.)*Quercus virginiana* Mill.

SANTALACEAE.

Comandra umbellata Nutt.

POLYGONACEAE.

Polygonum amphibium L. (*P. hartwrightii* Gray.)*Polygonum aviculare* L. var. *littorale* (Link) Koch. (*P. littorale* Link.)*Polygonum camporum* L.*Polygonum mexicanum* Small.

CHENOPODIACEAE.

Boussingaultia baseloides HBK.*Chenopodium fremontii* S. Wats.*Suaeda maritima* (L.) Dumort. (*Dondia maritima* (L.) Bruce.)

AMARANTHACEAE.

Gomphrena globosa L. var. *albiflora* Moq.

NYCTAGINACEAE.

Oxybaphus oblongifolius Gray.

AIZOACEAE.

Sesuvium portulacastrum L.*Sesuvium maritimum* (Walt.) BSP.

CARYOPHYLLACEAE.

Sagina saginoides (L.) Britton. (*S. linnæi* Presl.)

RANUNCULACEAE.

Ranunculus purshii Richards.*Ranunculus sceleratus* L.*Thalictrum polygamum* Muhl.

CRUCIFERÆ.

- Braya humilis* (C. A. Mey.) Robinson. (*Sisymbrium humile* C. A. Mey.)
Lepidium draba L.
Lepidium ruderales L.
Lepidium sativum L.
Lesquerella densiflora Wats.

SAXIFRAGACEÆ.

- Ribes gracile* Michx. (*R. missouriensis* Nutt.)
Saxifraga virginiana Michx.

ROSACEÆ.

- Crataegus punctata* Jacq.
Fragaria vesca L.
Fragaria vesca var. *americana* Porter. (*F. americana* (Porter) Britton.)
Potentilla fruticosa L.
Prunus besseyi Bailey.
Pyrus coronaria L.
Rosa blanda Ait.
Rubus canadensis L.

LEGUMINOSÆ.

- Astragalus glareosus* Dougl.
Astragalus neglectus (T. & G.) Sheldon.
Astragalus procumbens Watson.
Astragalus shortianus Nutt.
Astragalus tennesseensis Gray.
Baptisia tinctoria (L.) R. Br.
Gleditsia aquatica Marsh.
Sesbania vesicaria Ell.
Tephrosia hispida (Michx.) Pers. (*Cracca hispida* (Michx.) Kuntze.)

LINACEÆ.

- Linum virginianum* L.

OXALIDACEÆ.

- Oxalis filipes* Small.

GERANIACEÆ.

- Geranium bicknellii* Britton.

EUPHORBIACEÆ.

- Euphorbia albomarginata* T. & G.

ANACARDIACEÆ.

- Rhus vernix* L. (*R. venenata* DC.)

AQUIFOLIACEÆ.

- Ilex glabra* (L.) Gray.

ACERACEÆ.

- Acer nigrum* Michx.

SAPINDACEÆ.

- Aesculus hippocastanum* L.

RHAMNACEÆ.

- Rhamnus lanceolata* Pursh.

VIOLACEÆ.

- Viola cucullata* Ait.
Viola palmata L.
Viola sagittata Ait.

LOASACEÆ.

- Mentzelia albicaulis* Dougl.

UMBELLIFERÆ.

- Sanicula marylandica* L.

PRIMULACEÆ.

- Steironema quadriflorum* (Sims) Hitchc.

OLEACEÆ.

- Fraxinus caroliniana* Mill. (*F. platycarpa* Michx.)

GENTIANACEÆ.

- Halenia deflexa* (J. E. Smith) Griseb. (*Tetragonanthus deflexus* (J. E. Smith) Kuntze.)

APOCYNACEAE.

Apocynum androsaemifolium L.

ASCLEPIADACEAE.

Asclepias galioides HBK.*Asclepias sullivantii* Engelm.*Vincetoxicum hirsutum* (Michx.) Britton.

CONVOLVULACEAE.

Convolvulus repens L.*Convolvulus spithameus* L.*Cuscuta obtusiflora* HBK. (*C. polygonorum* Engelm.)

POLEMONIACEAE.

Gilia pinnatifida Nutt.

HYDROPHYLLACEAE.

Nama demissum Gray.*Phacelia brevistylis* Buckl.

BORAGINACEAE.

Lithospermum arvense L.

LABIATAE.

Scutellaria galericulata L.*Stachys tenuifolia* Willd. var. *aspera* (Michx.) Fernald. (*S. aspera* Michx.)

SCROPHULARIACEAE.

Buchnera elongata Swartz.

PLANTAGINACEAE.

Plantago occidentalis Dcne.*Plantago spinulosa* Dcne.

RUBIACEAE.

Galium tinctorium L.*Galium trifidum* L.

CAPRIFOLIACEAE.

Symphoricarpos occidentalis Hook.

COMPOSITAE.

Aplopappus lanceolatus T. & G.*Aster parviflorus* Gray.*Bidens trichosperma* (Michx.) Britton.*Coreopsis peruviana* (L.) Kuntze.*Dichaeophora campestris* (T. & G.) Gray.*Elephantopus nudatus* Gray.*Flaveria linearis* Lagasca.*Gaillardia aristata* Pursh.*Helenium microcephalum* DC.*Helianthus laetiflorus* Pers.*Palaestrophe arachnoidea* DC.*Silphium scaberrimum* Ell.*Solidago arguta* Ait.*Solidago erecta* Pursh.*Solidago juncea* Ait.*Solidago rupestris* Raf.*Solidago tortifolia* Ell.*Townsendia exscapa* (Richards) Porter.

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