

**A List of the Vascular Flora of the Oklahoma Ozarks.  
Studies in the Composition and Distribution of the  
Oklahoma Flora — No. 29**

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This paper is based primarily on material collected by C. S. Wallis during the years 1950-1958, studied by him at Oklahoma State University, and utilized by him in the preparation of a thesis for a Ph. D. granted in 1959. Some of the specimens have been reidentified, and taxonomic concepts and nomenclature of a few others have been altered to conform to recent studies. Authenticating specimens are to be found in The Herbarium of Oklahoma State University.

The name "Ozarks" was derived from the French words *aux arcs*. It is applied to the Ozark Uplift, consisting in northeastern Oklahoma principally of cherts, limestones and shales (Hauffman, 1958), bounded by the Grand (Neosho) River on the west and the Arkansas River on the south. It includes, all or in part, the following counties: Adair, Cherokee, Delaware, Mayes, Muskogee, Ottawa and Sequoyah.

Some early botanists who travelled in the area were: Thomas Nuttall in 1819, Edward James in 1820, Zina Pitcher who was stationed at Ft. Gibson from 1831 to 1834, Heinrich Carl Beyrich in 1834, Edward Palmer in 1863 and 1868, and M. A. Carleton in 1891.

Papers concerning various aspects of this investigation have been published previously (Wallis, 1958; Wallis and Waterfall, 1955; Wallis and Waterfall, 1963; Waterfall and Wallis, 1963).

This enumeration is presented to show the composition and distribution of our Ozark flora both for those who may wish to study it in the future, and for those who wish to compare it with the flora of other areas. The geographic range of taxa by the counties listed in paragraph two above will be designated by the symbols A, C, D, M, Mu, O and S. Space limitation prohibits the publication of available data concerning the habitat of each species.

The names of authors of taxa listed may be found in KEYS TO THE FLORA OF OKLAHOMA (Waterfall, 1962). They are omitted here to save space.

**PTERIDOPHYTA**

**Equisetaceae:** *Equisetum hyemale* CM

**Selaginellaceae:** *Selaginella apoda* C

**Ophioglossaceae:** *Botrychium virginianum* ACDMO; *Ophioglossum Engelmanni* CM

**Polyodiaceae:** *Adiantum Capillus-veneris* CD, *pedatum* ACDO; *Asplenium Bradleyi* C, *platyneuron* ACDMMuOS, *resiliens* CDM, *Trichomanes* CD; *Athyrium Filix-femina* v. *asplenioides* CD; *Camptosorus rhizophyllus* CD; *Chellanthus alabamensis* AC, *lanosa* S, *vestita* CD; *Cystopteris fragilis* v. *fragilis* f. *dentata* CD and v. *simulans* ACDO; *Dryopteris hexagonoptera* C; *marginalis* CD; *Notholaena dealbata* O;

*Onoclea sensibilis* CDO; *Pellaea atropurpurea* v. *atropurpurea* ACDMMuOS; *Polystichum acrostichoides* ACD; *Pteridium aquilinum* v. *latiusculum* AC and v. *pseudocaudatum* D; *Woodsia obtusa* CDMMuOS.

SPERMATOPHYTA: GYMNOSPERMAE

**Pinaceae:** *Juniperus virginiana* CDMOS; *Pinus echinatus* CDM.

SPERMATOPHYTA: ANGIOSPERMAE

MONOCOTYLEDONEAE

**Typhaceae:** *Typha angustifolia* M, *domingensis* MOS, *latifolia* f. *ambigua* C and f. *latifolia* CDMO

**Sparganiaceae:** *Sparganium androcladum* DO

**Zosteraceae:** *Potamogeton crispus* CM, *diversifolius* CDMMuOS, *foliosus* v. *foliosus* DMO, *nodosus* A; *Zanichellia palustris* M

**Najadaceae:** *Najas guadalupensis* M

**Allismaceae:** *Alisma subcordatum* CDMO; *Echinodorus cordifolius* CM; *Sagittaria ambigua* S, *calycina* ACDMuOS, *graminea* S, *latifolia* f. *latifolia* CDMMu and f. *hastata* C, *latifolia* v. *obtusa* CO

**Hydrocharitaceae:** *Elodea Nuttallii* CD

**Gramineae:** *Aegilops cylindrica* v. *cylindrica* MOS and v. *rubiginosa* M; *Agropyron Smithii* v. *Smithii* M; *Agrostis alba* CDM, *Elliottiana* MS, *hyemalis* CDO, *perennans* CD; *Aira caryophylla* CDMu; *Alopecurus carolinianus* ACDMMuS; *Andropogon Gerardi* v. *Gerardi* ACDMMuOS and v. *chrysocomus* D, *Ischaemum* S, *saccharoides* CM, *scoparius* ACDMMuOS, *ternarius* C, *virginicus* CDOS; *Aristida dichotoma* v. *dichotoma* ADS and v. *Curtisii* CDMuS, *intermedia* DMMuS, *longespica* CDMuOS, *oligantha* CDMuOS, *purpurascens* ADS; *Arthraxon hispidus* v. *cryptatherus* C; *Arundinaria gigantea* CM; *Axonopus affinis* C; *Bouteloua curtipendula* M; *Bromus catharticus* S, *japonicus* CDMOS, *mollis* D, *pubescens* ACMMuO, *secalinus* CMO, *tectorum* CMS; *Cenchrus incertus* MMuS, *paciflorus* M; *Chloris verticillata* MS; *Cynodon dactylon* MS; *Dactylis glomerata* ADM; *Danthonia spicata* v. *longipila* CDMOS; *Diarrhena americana* v. *obovata* CO; *Digitaria filiformis* CS, *Ischaemum* CD; *Diplachne fascicularis* MS; *Echinochloa colonum* f. *zonalis* C, *crusgalli* CDMuOS; *Elusine indica* DO; *Elymus canadensis* SDMuS, *villosus* f. *villosus* AC, *virginicus* f. *virginicus* CMu, f. *hirsutigulis* O, f. *australis* CDM, f. *glabriflorus* CD, v. *jejunos* MMuO; *Eragrostis capillaris* CMuS, *curtipedicellata* S, *curvula* M, *Frankii* C, *hirsuta* M, *hypnoides* CMOS, *intermedia* CMS, *megastachya* CDM, *pectinacea* CDMMuS, *pilosa* CDMuO, *reptans* MS, *spectabilis* MMu; *Festuca obtusa* ADMMuO, *paradoxa* CDS; *Glyceria striata* ACDO; *Gymnopogon ambiguus* C; *Hordeum pusillum* ACDMuOS; *Hystrix patula* AM; *Koeleria cristata* MO; *Leersia oryzoides* CDMMuO, *virginica* ACMOS; *Leptochloa filiformis* CMS; *Leptoloma cognatum* M; *Lolium multiflorum* CDM; *Manisurus cylindrica* CMS; *Melica nitens* CDM; *Muhlenbergia capillaris* MS, *Schreberi* ACDMOS, *sobolifera* SDMMuS; *sylvatica* C; *Panicum agrostoides* v. *agrostoides* MMuOS; *anceps* CDMO, *Bosci* ACDMMuO, *brachyanthum* MS, *capillare* v. *capillare* CDMMu, *commutatum* v. *commutatum* M, *dichotomiflorum* v. *dichotomiflorum* MOS, *dichotomum* v. *dichotomum* CDMS, *flexile* CDMuOS, *hians* DMS, *lanuginosum* v. *fasciculatum* DMMuO, *latifolium* M, *laxiflorum* CM, *linearifolium* v. *linearifolium* ADMO, and v. *Wernerii* C, *malacophyllum* CDMuS, *oligosanthes* v. *Helleri* CMO and v. *Stribnerianum* CMMu, *perlongum* D, *polyanthes*, *praecocius* DO, *Ravenelli* MS, *scoparium* DM, *sphaerocarpon*

CDMMuOS, virgatum CDMMuOS; *Paspalum ciliatifolium* v. *ciliatifolium* CO and v. *Muhlenbergii* ACMMuS, *dilatatum* M, *floridanum* v. *floridanum* DMuS and v. *glabratum* CMMuOS, *fluitans* CmMuS, *laeve* v. *laeve* CM and v. *pilosum* S. *pubiflorum* v. *glabrum* C; *Phalaris caroliniana* CDO; *Poa annua* ACMMuS, *pratensis* ACDMS, *sylvestris* DMOS; *Polypogon interruptus* M; *Schedonnardus paniculatus* M; *Setaria geniculata* CDMuS, *glauca* CO, *viridis* CMS; *Sorghastrum nutans* ACDMMuOS; *Sorghum halapense* M; *Spartina pectinata* v. *Suttiei* CO; *Sphenopholis filiformis* CO, *intermedia* DM; *obtusata* f. *lobata* CDM; *Sporobolus asper* v. *Hookeri* MO, *canovirens* S, *cryptandrus* MS, *heterolepis* D, *vaginiflorus* CDMOS; *Stipa leucotricha* M; *Tridens flavus* CDMMuOS, *muticus* v. *elongatus* A, *strictus* CDMuOS; *Triplasis purpurea* M; *Tripsacum dactyloides* MO; *Triticum aestivum* O; *Uniola latifolia* ACMuOS; *Vulpia myuros* DM, *octoflora* CDMMuOS

**Cyperaceae:** *Bulbostylis capillaris* v. *crebra* CDMu; *Carex amphibola* v. *amphibola* C and v. *globosa* MMuS and v. *turgida* CD, *annectens* DOS, *austrina* DMMuOS, *Bicknellii* AO, *blanda* CMMuOS, *Bushii* CDMMuO, *cephalophora* v. *cephalophora* ACDMuO and v. *Leavenworthii* CDMMuS, *cherokeensis* S, *crus-corvi* CM, *Davisii* M, *festucae* (incl. *brevior*) CDMO, *flaccosperma* S, *Frankii* ACDMMuOS, *granularis* ACDMO, *gravida* v. *Lunelliana* M, *Grayii* v. *hispidula* O, *Haleana* CDO, *hirsutella* ACDMMuOS, *hyalinolepis* S, *Jamesii* C, *laevivaginata* M, *lupuliformis* CDMuO, *lurida* DMuO, *Muhlenbergii* v. *Muhlenbergii* DS and v. *enervis* CDMMuOS, *normalis* MS, *oligocarpa* ACDM, *retroflexa* ADMMuS, *Shortiana* O, *sparganioides* v. *aggregata* M, *stipata* v. *oklahomensis* DMuO, *triangularis* AMuS, *tribuloides* CDOS, *vulpinoidea* ACDMMuO; *Cyperus acuminatus* CMOS, *erythrorrhizos* CM, *esculentus* DMO, *filiculmis* CDMMuOS, *flavescens* v. *poaeformis* D, *inflexus* CMuOS, *odoratus* ACMuOS, *ovularis* v. *ovularis* CDMMuOS and v. *sphaericus* CDMMuOS, *rivularis* C, *strigosus* CDMMuOS, *tenuifolius* CD, *uniflorus* S, *virens* CDMMuOS; *Eleocharis acicularis* v. *gracilescens* COS, *Engelmani* ACDS, *macrostachya* ACDMMuOS, *montividiensis* CMS, *obtusata* v. *obtusata* ACDMMuOS and v. *lanceolata* AMS, *quadrangulata* D, *radicans* M; *tenuis* v. *verrucosa* DM; *Fimbristylis autumnalis* CMOS, *Baldwiniana* DMuOS, *Drummondii* CDMuOS, *Vahlia* CMuOS; *Fuirena squarrosa* M; *Hemicarpha Drummondii* MS, *micrantha* C; *Rhynchospora globularis* v. *recognita* CDMu, *Harveyi* Mu, *macrostachya* MuS; *Scirpus americanus* v. *americanus* A, *atrovirens* CDMuO, *californicus* D, *heterochaetus* D, *koilolepis* CMuS, *lineatus* COS, *validus* v. *creber* O; *Scleria ciliata* v. *ciliata* CMMu, *oigantha* C, *pauciflora* v. *caroliniana* CMMu and v. *glabra* D, *triglomerata* D

**Araceae:** *Arisaema atrorubens* f. *viride* ACD, and f. *zebrinum* CDO, *Dracontium* CDOS

**Lemnaceae:** *Lemna minor* CM, *valdiviana* M, *Spirodela polyrrhiza* CDM

**Commelinaceae:** *Commelina communis* CDOS, *diffusa* CM, *erecta* f. *erecta* CDM, f. *intercurva* CDM, f. *crispa* CMO, v. *Deamiana* CDMuOS, *virginica* DMO, *Tradescantia Ernestiana* f. *Ernestiana* ACDMS and f. *alba* CDM, *ohiensis* f. *ohiensis* CDMMuOS, *ozarkana* C

**Pontederiaceae:** *Heteranthera limosa* CDS; *Pontederia cordata* C

**Juncaceae:** *Juncus acuminatus* v. *acuminatus* S and v. *robustus* MOS, *biflorus* DMuO, *brachycarpus* CDMuS, *diffusissimus* ACDMMuOS, *effusus* v. *solutus* DMuO, *interior*, CDMMuOS, *marginatus* CDMuOS, *scirpoides* MuO, *tenuis* CDMMuOS, *Torreyi* ACMuO, *validus* AMuS; *Luzula bulbosa* ACDMS

**Liliaceae:** *Aletris farinosa* D, *Allium canadense* v. *canadense* CMOS, v. *lavendulare* DMS and v. *mobile* CDMuO, *stellatum* ACM, *vineale* f. *vineale* D and f. *compactum* ADOS; *Asparagus officinalis* C; *Camassia angusta* CDMMuOS, *scillioides* CDMMuS; *Erythronium albidum* v. *albidum* CMO and v. *coloratum* CMOS, *americanum* CM; *Hemerocallis fulva* C; *Nothoscordum bivalve* CDMMuOS; *Polygonatum canaliculatum* ACDMuO; *Smilacina racemosa* v. *cylindrata* ACDO; *Smilax Bona-nox* CSM, *glauca* v. *glauca* CS and v. *leurophylla* O, *lasiocarpa* ACD, *pulverulenta* AC, *tamnoides* v. *hispida* CM; *Trillium recurvatum* C, *viride* ACDMO; *Uvularia grandiflora* C; *Yucca arkansana* v. *arkansana* CS, *filamentosa* C; *Zigadenus Nuttallii* ACKS

**Dioscoreaceae:** *Dioscorea quaternata* ADMMuO, *villosa* f. *villosa* CD and f. *glabrifolia* ACO

**Amaryllidaceae:** *Agave lata* CDMMuS; *Cooperia Drummondii* CMS; *Hyppoxis hirsuta* ACDMMuOS

**Iridaceae:** *Belamcanda chinensis* CMS; *Iris cristata* A, *virginica* v. *Shrevei* CO; *Nemastylis Nuttallii* MS; *Sisyrinchium angustifolium* ACDMMuOS, *campestre* f. *kansanum* ACMMuOS, *varians* ACMMuS

**Orchidaceae:** *Calopogon pulchellus* DO; *Corallorhiza Wisteriana* ACDMO; *Habenaria lacera* D; *Hexaletris spicata* M; *Spiranthes cernua* DMS, *gracilis* CMOS, *tuberosa* D, *vernalis* CDMMuOS

#### DICOTYLEDONEAE

**Saururaceae:** *Saururus cernuus* CDMO

**Salicaceae:** *Populus deltoides* CMMuS; *Salix caroliniana* ACMMuO, *humilis* v. *hyporhiza* O, *interior* f. *Wheeleri* C, *nigra* CMMuOS

**Juglandaceae:** *Carya cordiformis* ACDMMuOS, *illinoensis* ACDMMuOS, *ovalis* v. *ovalis* ACMS and v. *obcordata* ACDMMuO, *ovata* S, *texana* CM, *tomentosa* ACDMMuS; *Juglans nigra* ACMMuS

**Betulaceae:** *Alnus serrulata* v. *vulgaris* D; *Betula nigra* ACMMuS; *Corylus americana* f. *americana* ACO; *Ostrya virginiana* v. *lasia* ACDMS and f. *glandulosa* DO

**Fagaceae:** *Castanea dentata* C, *ozarkensis* ACD; *Quercus alba* f. *alba* ACDM, f. *latiloba* C and f. *viridis* CM, *coccinea* M, *falcata* v. *falcata* CS, *lyrata* C, *macrocarpa* CMuS, *marilandica* CDMMuS, *Muhlenbergii* f. *Alexanderi* C, *nigra* S, *palustris* CO, *rubra* v. *rubra* C and v. *borealis* CM, *Shumardii* v. *Schneki* CMO, *stellata* v. *stellata* CMuOS, *velutina* CDM

**Ulmaceae:** *Celtis laevigata* CMuOS, *occidentalis* CD, *tenuifolia* CDO; *Ulmus alata* CDMMuS, *americana* ACMMuOS, *crassifolia* CMuS, *pumila* MS, *rubra* CDMuO

**Moraceae:** *Maclura pomifera* CMuO; *Morus alba* CMMuO, *rubra* CDMMuSO

**Cannabinaceae:** *Humulus Lupulus* DO

**Urticaceae:** *Boehmeria cylindrica* CDMO; *Laportea canadensis* CMO; *Parietaria pennsylvanica* CDMMuOs; *Pilea pumila* CDMO; *Urtica chamaedryoides* ACDMS, *dioica* O

**Santalaceae:** *Comandra Richardsiana* ADMO

**Loranthaceae:** *Phoradendron serotinum* CMuS

**Aristolochiaceae:** *Aristolochia tomentosa* CMO, *canadense* v. *acuminatum* ACMO

**Polygonaceae:** *Eriogonum longifolium* CDM; *Polygonum aviculare* CMMuO, *Convolvulus* SMMu, *Hydropiper* M, *hydropiperoides* v. *hydropiperoides* DMMuOS, v. *Bushianum* S and v. *opelousanum* DOS, *laphathifolium* DMS, *pennsylvanicum* CDMOS, *Persicaria* CDS, *punctatum* v. *leptostachyum* ACDMMuO and v. *punctatum* O, *ramosissimum* DM, *sagittatum* CDM, *scandens* CDMMuS, *tenuis* CMuS; *Rumex Acetosella* ADOS, *altissimus* CDMMuSO, *crispus* CMDMuSO, *hastatus* ACDMuS, *obtusifolius* CDMuO, *pulcher* CMS; *Tovara virginiana* CO

**Chenopodiaceae:** *Chenopodium album* CMu, *ambrosioides* v. *ambrosioides* CDS, *dissectum* (pratericola) D, *hybridum* v. *gigantospermum* DM, *missouriensis* DOS, *pumilio* DS, *Standleyanum* CD, *Cycloloma atriplicifolium* M; *Monolepis Nuttalliana* MS

**Amaranthaceae:** *Amaranthus albus* DMuOS, *graecizans* CS, *hybridus* CO, *retroflexus* C, *spinosus* CDOS, *tamarascinus* CMuOS; *Froelichia floridana* v. *campestris* MS, *gracilis* CMS; *Iresine rhizomatosa* C

**Nyctaginaceae:** *Mirabilis albida* ADMu, *linearis* Mu, *Jalapa* C, *nyctaginea* CDMS

**Phytolaccaceae:** *Phytolacca americana* CDMMuOS, *Rivina humilis* C

**Aizoaceae:** *Glinus lotoides* Mu; *Mollugo verticillata* CMuOS

**Portulacaceae:** *Claytonia virginica* ACDMMuOS; *Portulaca oleracea* C, *parvula* CMS; *Talinum calycinum* C, *parviflorum* CD

**Caryophyllaceae:** *Agrostemma Githago* ADMuOS; *Arenaria patula* f. *media* ACDS, f. *Pitcheri* CDMuS and f. *robusta* CDMu, *serpyllifolia* CDMMuOS; *Cerastium brachypodum* ACDMOS, *nutans* AC viscosum ACDS, *vulgatum* CDMMu; *Dianthus Armeria* ACDS, *prolifer* C; *Sagina decumbens* CDMMuOS; *Saponaria officinalis* CDM; *Silene antirrhina* CDMMuOS, *regia* AD, *stellata* f. *scabrella* ACDMMuO, *virginica* CDMO; *Stellaria media* CDMOS, *muscorum* D, *Nuttallii* CM

**Illecebraceae:** *Paronychia canadensis* C, *fastigiata* CD

**Ceratophyllaceae:** *Ceratophyllum demersum* M

**Nymphaeaceae:** *Nelumbo lutea* CO; *Nuphar advena* CS; *Nymphaea tuberosa* O

**Ranunculaceae:** *Anemone caroliniana* f. *caroliniana* CMMuOS and f. *violacea* CMS, *decapetala* CS, *virginiana* CDMMuO; *Anemone thalictroides* ACDMMuOS; *Aquilegia canadensis* v. *latiuscula* ACDO; *Clematis ligusticifolia* C, *Pitcheri* CMMuO, *versicolor* ACDMS, *virginiana* C; *Delphinium Ajacis* CMMu, *carolinianum* CDMMuOS, *tricornis* f. *tricornis* CDMO and f. *albiflora* D; *Isopyrum biternatum* AD; *Myosurus minimus* CMS; *Ranunculus abortivus* ACDMMuOS, *carolinianus* ACDO, *fascicularis* v. *apricus* ACDMMuOS, *Harveyi* ACDMuS, *hispidus* CO, *laxicaulis* CS, *longirostris* M, *micranthus* CDMMuOS, *parviflorus* S, *pustillus* S, *recurvatus* AD, *sceleratus* S; *Thalictrum dasycarpum* v. *hypoglaucum* ACDMuO

**Berberidaceae:** *Podophyllum peltatum* CMMuO

**Menispermaceae:** *Calycocarpum Lyoni* ACDMuS; *Cocculus carolinus* ACDMMuOS; *Menispermum canadense* CMOS

**Anonaceae:** *Asimina triloba* CDO

**Lauraceae:** *Lindera Benzoin* v. *Benzoin* CDMO and v. *pubescens* CDMO; *Sassafras albidum* v. *molle* CMuOS

**Papaveraceae:** *Argemone polyanthemus* C; *Sanguinaria canadensis* ACDO

**Fumariaceae:** *Corydalis crystallina* ACDMu, *flavula* ACDMMu, *micrantha* CMuS; *Dicentra Cucullaria* C

**Capparidaceae:** *Polanisia dodecandra* v. *trachysperma* CDOS

**Cruciferae:** *Arabis canadensis* CDMMuOS, *laevigata* ACDMu missouriensis CDMS, *perstellata* v. *Shortii* C; *Armoracia aquatica* C; *Barbarea vulgaris* ACDO; *Brassica Kaber* v. *pinnatifida* C; *Napus* S, *Rapa* D; *Camelina microcarpa* DMuOS; *Capsella Bursa-pastoris* ACDMMuOS; *Cardamine bulbosa* ACDO, *parviflora* v. *arenicola* CDMOS, *pennsylvanica* ACDMS; *Dentaria laciniata* ACDMO; *Descurainia pinnata* CS; *Draba aprica* C, *brachycarpa* ACDMuOS, *cuneifolia* v. *cuneifolia* CMS; *Iodanthus pinnatifidus* CMO; *Lepidium campestre* S, *densiflorum* CDMMuOS, *virginicum* ACDMMuOS; *Lesquerella gracilis* C; *Nasturtium officinale* CDMO; *Rorippa islandica* v. *Fernaldiana* CDMuS, *obtusata* M, *sessiliflora* COS; *Selenia aurea* CDMuOS; *Sibara virginica* ACMuS; *Sisymbrium officinale* v. *officinale* AS and v. *leiocarpum* CDS; *Streptanthus maculatus* CS; *Thlaspi arvense* S

**Crassulaceae:** *Sedum Nuttallianum* CDMuS, *pulchellum* CDOS

**Saxifragaceae:** *Heuchera americana* v. *hirsuticaulis* ACDMOS; *Hydrangea arborescens* ACDMO; *Penthorum sedoides* CO; *Philadelphus pubescens* CMS; *Saxifraga texana* ADMuS, *virginiensis* v. *subintegra* CDMMuS

**Hamamelidaceae:** *Hamamelis vernalis* v. *vernalis* A and v. *tomentella* ACD

**Platanaceae:** *Platanus occidentalis* ACDMMuS

**Rosaceae:** *Agrimonia parviflora* CDM, *pubescens* ACDMO, *rostellata* CD; *Amelanchier arborea* ACDMMuOS; *ArunCUS dioicus* v. *pubescens* CD; *Crataegus coccinoides* C, *crus-galli* CD, *Engelmanni* S, *mollis* ACMO, *Reverchoni* v. *discolor* O, *spathulata* CS, *viridis* CMS; *Fragaria virginiana* ACDMO; *Geum canadense* v. *camporum* CMMuO; *vernum* ACDO; *Gillenia stipulata* ACDMMuO; *Physocarpus opulifolius* v. *intermedius* ACD; *Potentilla norvegica* O, *recta* ACDMOS, *simplex* ACDMMuOS; *Prunus americana* v. *lanata* CS, *hortulana* CMO, *mexicana* CMS, *Munsoniana* C, *Persica* CM, *Reverchoni* C, *serotina* ACDMuOS; *Pyrus ioensis* O, *Malus* C; *Rosa carolina* CDMO, *foliolosa* MMuO, *multiflora* D, *setigera* v. *setigera* AMO and v. *tomentosa* CDMMuOS; *Rubus aboriginum* CDMMuO, *allagheniense* ADO, *fructifer* CDM, *mollior* SDMMuO, *occidentalis* CDO, *oklahomus* D, *ozarkensis* CDMuO, *pratensis* C, *scibilis* CM, *trivialis* CMMuS; *Sanguisorba annua* C

**Leguminosae:** *Acacia angustissima* v. *hirta* CMS; *Amorpha canescens* CDMO, *fruticosa* CDOS; *Amphicarpa bracteata* v. *bracteata* CDM and v. *comosa* AC; *Apios americana* CDOS; *Astragalus canadensis* CS, *crassicaulis* v. *trichocalyx* ACDM, *distortus* CS; *Baptisia australis* v. *minor* CMO, *leucantha* CDMMuO, *leucophaea* v. *leucophaea* ACDMMuOS and v. *glabrescens* M; *Cassia fasciculata* CDMOS, *marilandica* CMO, *nictitans* ACDMMuOS; *Cercis canadensis* f. *canadensis* ACDMMuOS and f. *glabrifolia*

CD; *Cladrastis lutea* ACD; *Clitoria mariana* ACDMMuS; *Crotalaria sagittalis* CDMuO; *Dalea candida* v. *candida* ACDMMuOS, *lanata* M, *purpurea* (Stanfieldii) CDMMuOS; *Desmanthus illinoensis* CD; *Desmodium canadense* C, *canescens* CDMSO, *ciliare* CS, *cuspidatum* ADMO, *glutinatum* CDMMuO, *laevigatum* A, *marilandicum* CM, *nudiflorum* CDMO, *paniculatum* v. *paniculatum* ACDMS and v. *Dillenii* ACDMOS, *pauciflorum* CMMuO, *rigidum* DMS, *rotundifolium* CD, *sessilifolium* CMMuS; *Galactia volubilis* v. *mississippiensis* CMOS; *Gleditsia triacanthos* CMMuS; *Gymnocladus dioica* CMuOS; *Lathyrus latifolius* C, *pusillus* CS; *Lespedeza capitata* v. *capitata* CO, *cuneata* S, *hirta* CDM, *procumbens* CDMMuOS, *repens* CDO, *stipulacea* CD, *striata* MO, *Stuevei* f. *Stuevei* CD, *violacea* ADO, *virginica* SDMMuO; *Lotus americanus* M; *Medicago lupulina* AM, *sativa* C; *Melilotus alba* C, *officinalis* C; *Neptunea lutea* CMS; *Phaseolus polystachios* AC; *Psoralea psoraloides* v. *eglandulosa* CDMuO, *tenuiflora* CDMuOS; *Rhynchosia latifolia* CD; *Robinia Pseudo-Acacia* ACDMMuOS; *Schrankia Nuttallii* CDMMuS; *Sesbania exaltata* CMu; *Strophostyles helvola* CMuOS, *leiosperma* CDMuOS, *umbellata* C; *Stylosanthes biflora* v. *hispidissima* CDMMuS; *Tephrosia virginiana* v. *holosericea* ACDMMuOS; *Trifolium arvense* ACDM, *carolinianum* CM, *dubium* CM, *hybridum* C, *incarnatum* DMS, *pratensis* AC, *procumbens* COS, *reflexum* CDMOS, *repens* CMuOS, *resupinatum* M; *Vicia angustifolia* AC, *caroliniana* C, *Leavenworthii* Mu, *minutiflora* ACDMMuS, *villosa* C

**Linaceae:** *Linum Lewisii* v. *pratense* S, *medium* v. *texanum* CDMuS, *sulcatum* CM

**Oxalidaceae:** *Oxalis corniculata* CD, *Dillenii* CDMMuOS, *stricta* ACDMMu, *violacea* f. *violacea* CMuOS and f. *trichophora* AD

**Geraniaceae:** *Erodium cicutarium* C; *Geranium carolinianum* ACDMMuOS, *maculatum* ACDO, *pusillum* ACDMS

**Zygophyllaceae:** *Tribulus terrestris* C

**Rutaceae:** *Ptelea trifoliata* CDO

**Polygalaceae:** *Polygala incarnata* CMS, *sanguinea* CDMMuO, *verticillata* v. *dolichoptera* D

**Euphorbiaceae:** *Acalypha gracilens* CDMMuS, *ostreaefolia* CMuS, *rhomboidea* CDM, *virginica* CMMuOS; *Croton capitatus* v. *capitatus* ACDMuOS and v. *septentrionalis* CDMMuOS, *Lindheimerianus* C, *monanthogynus* CMMuOS; *Crotonopsis elliptica* CDMuS; *Ditaxis mercurialina* C; *Euphorbia Chamaesyce* C, *corollata* v. *corollata* DM and v. *mollis* M and v. *paniculata* ACM, *dentata* CDMOS, *dictyosperma* CDMS, *heterophylla* CMOS, *hexagona* M, *humistrata* CMOS, *maculata* CDMMuOS, *marginata* C, *missurica* ACO, *obtusata* S, *serpens* CMOS, *supina* CDMMuOS; *Phyllanthus carolinensis* CDS; *Stillingia sylvatica* MS; *Tragia ramosa* CDM, *urticifolia* CM

**Callitrichaceae:** *Callitriche heterophylla* CMOS, *terrestris* C

**Anacardiaceae:** *Cotinus obovatus* C; *Rhus aromatica* v. *aromatica* ACMS and v. *serotina* CDMuO, *copallina* v. *latifolia* CDMMuOS, *glabra* CDMMuO, *radicans* f. *radicans* C and f. *Negundo* ACDMuO, *Toxicodendron* C

**Aquifoliaceae:** *Ilex decidua* ACMMuOS

**Celastraceae:** *Euonymus americanus* C, *atropurpureus* ACDMuOS

**Staphyleaceae:** *Staphylea trifolia* ACMO

**Aceraceae:** *Acer Negundo* v. *Negundo* M and v. *texanum* ACMMuS, *rubrum* CD, *saccharinum* CMMuS, *saccharum* CMuO

**Hippocastanaceae:** *Aesculus glabra* CMMuS

**Sapindaceae:** *Sapindus Drummondii* CM

**Balsaminaceae:** *Impatiens capensis* CDMO, *pallida* ACD

**Rhamnaceae:** *Berberis scandens* MuS; *Ceanothus americanus* v. *Pitcheri* CDMMuOS, *herbaceus* v. *pubescens* ACDMOS; *Rhamnus caroliniana* v. *caroliniana* CM and v. *mollis* CS; *lanceolata* v. *glabrata* C

**Vitaceae:** *Ampelopsis arborea* CDMuS, *cordata* ACDMMuO *Cissus incisa* CDS; *Parthenocissus quinquefolia* f. *hirsuta* C; *Vitis aestivalis* C, *Linsecumii* CDMMuS, *vulpina* CDMOS

**Tiliaceae:** *Tilia neglecta* CD

**Malvaceae:** *Abutilon Theophrasti* CDM; *Callirhoe alcaeoides* CDO, *digitata* v. *digitata* ACDMMu; *involucrata* v. *involucrata* C, *Papaver* v. *Bushii* CMS; *Hibiscus lasiocarpus* CDOS, *militaris* CMuO, *Malva neglecta* MS; *Sida spinosa* CDMMuO; *Sidopsis hispida* CS

**Guttiferae:** *Ascyrum Hypericoides* CDMS; *Hypericum Drummondii* CDMS, *gentianoides* D, *mutillum* CDMMuS, *perforatum* DMu, *punctatum* CDMMu, *pseudomaculatum* DS, *spathulatum* CD, *sphaerocarpum* AMMu

**Tamaricaceae:** *Tamarix gallica* CMuOS

**Cistaceae:** *Lechea tenuifolia* CDM, *villosa* DMuO

**Violaceae:** *Hybanthus concolor* CDO; *Viola Kitaibeliana* v. *Rafinesquii* ACDMMuOS, *missouriensis* DM, *papilionacea* CD, *pedata* v. *pedata* O and v. *lineariloba* ACDMOS, *pedatifida* CM, *pennsylvanica* v. *pennsylvanica* ACDMMuOS and v. *lelocarpa* AC, *sagittata* CDMO, *sororia* ACDMMuS, *triloba* v. *dilatata* CDMOS

**Passifloraceae:** *Passiflora incarnata* f. *incarnata* CDMuOS and f. *alba* MMuS, *lutea* v. *glabriflora* CDMMuOS

**Loasaceae:** *Mentzelia oligosperma* CD

**Cactaceae:** *Opuntia macrorhiza* CM, *phaecantha* O

**Lythraceae:** *Ammannia auriculata* CDMuS, *coccinea* CMMuO; *Cuphea petiolata* ACDMOS; *Lythrum alatum* v. *alatum* ACDMO and v. *lanceolatum* CDMuS; *Rotala ramosior* v. *interior* CDMOS

**Nyssaceae:** *Nyssa sylvatica* CD

**Melastomataceae:** *Rhexia interior* CDMuS

**Onagraceae:** *Circaea quadrisulcata* v. *canadensis* CO; *Gaura biennis* v. *Pitcheri* ACDMMuS, *parviflora* f. *parviflora* C; *Jussiaea decurrens* CDMuOS, *repens* v. *glabrescens* CMMuS; *Ludwigia alternifolia* v. *alternifolia* CDMuOS and v. *pubescens* CDMuOS, *glandulosa* v. *glandulosa* MuS, *palustris* v. *americana* DMOS; *Oenothera biennis* v. *biennis* CD and v. *canescens* CMMuO and v. *hirsutissima* COS, *fruticosa* D, *laciniata* v. *laciniata* ACDMMuOS, *linifolia* CDMuS, *triloba* CMuS

**Haloragaceae:** *Myriophyllum brasiliense* CM, *heterophyllum* CO, *pinnatum* M



**Umbelliferae:** *Angelica venenosa* ACD; *Chaerophyllum procumbens* CDO, *Tainturieri* v. *Tainturieri* ACDMMuOS, *texanum* CM; *Cicuta maculata* CDMuOS; *Cryptotaenia canadensis* ACDO; *Daucus Carota* f. *Carota* ACDO and f. *epurpuratus* ACO, *pusillus* ACDMOS; *Eryngium Leavenworthii* C, *yuccifolium* v. *synchaetum* CDMuOS; *Hydrocotyle verticillata* CO; *Limnoscium pinnatum* CMuS; *Osmorhiza longistylis* v. *villicaulis* AC; *Oxypolis rigidior* CO; *Polytaenia Nuttallii* v. *Nuttallii* ACDMMuOS; *Sanicula canadensis* v. *canadensis* CMMuO, *gregaria* A; *Spermolepis divaricata* ACMS, *echinata* M; *Taenidia integerrima* CMOS; *Thaspium barbinode* ACDMO, *trifoliatum* v. *flavum* ACD; *Torilis arvensis* ACDMMuOS; *Trepcarpus Aethusae* CMS; *Zizia aptera* C, *aurea* CDMuOS

**Cornaceae:** *Cornus Drummondii* CDMuS, *florida* CDMMuOS, *obliqua* ACDMMuOS

**Ericaceae:** *Rhodendron canescens* ACD; *Vaccinium arboreum* CDS, *stamineum* CDMOS, *vacillans* ACDM

**Primulaceae:** *Androsace occidentalis* CM; *Centunculus minimus* CM; *Dodecatheon Meadia* f. *Meadia* ACMuO and f. *album* ACMuOS; *Lysimachia ciliata* ACO, *lanceolata* CDMMuO; *Samolus parviflorus* CMuS

**Sapotaceae:** *Bumelia lanuginosa* CMS

**Ebenaceae:** *Diospyros virginiana* v. *virginiana* CMS and v. *pubescens* CMMu

**Oleaceae:** *Fraxinus americana* v. *americana* ACDMuO, *pennsylvanica* v. *subintegerrima* CMuO, *quadrangulata* AC;

**Loganiaceae:** *Polypremum procumbens* CDS

**Gentianaceae:** *Sabatia angularis* CDMMuS, *campestris* f. *campestris* CDMuS and f. *albiflora* CM

**Apocynaceae:** *Amsonia illustris* CDMuO, *Tabernaemontana* ACDMMu; *Apocynum androsaemifolium* ADO, *cannabinum* v. *glaberrimum* CMuOS and v. *pubescens* Mu

**Asclepiadaceae:** *Asclepias amplexicaulis* CSO, *hirtella* CDOS, *incarnata* ACDMO, *obovata* MuS, *purpurascens* O, *quadrifolia* ACDMOS, *stenophylla* M, *Sullivantii* D, *tuberosa* ACDMMuS, *verticillata* CDMMuOS, *viridiflora* v. *lanceolata* CM and v. *linearis* C, *viridis* CMMuOS; *Cynanchum laeve* CDMu; *Matelea Baldwiniana* CS, *deciplens* C, *gonocarpa* CDMMuS

**Convolvulaceae:** *Convolvulus arvensis* CMMuS, *sepium* v. *sepium* C and v. *fraterniflorus* CMu; *Cuscuta campestris* DO, *compacta* D, *cuspidata* CD, *glabrior* CS, *glomerata* CD, *Gronovii* CDMS; *Ipomoea hederacea* v. *hederacea* CDMuO and v. *integriuscula* C, *lacunosa* CDMMu, *pandurata* ACDMMuOS

**Polemoniaceae:** *Phlox divaricata* v. *Laphamii* ACDMMuO, *pilosa* v. *pilosa* ACDMMuOS and v. *ozarkana* ACDMS; *Polemonium reptans* ACD

**Hydrophyllaceae:** *Ellisia Nyctelea* CDOS; *Hydrolea ovata* CMuS; *Hydrophyllum virginianum* ACO; *Nemophila phacelloides* S; *Phacelia hirsuta* ACDMMuS, *strictiflora* f. *Robbinsii* M

**Boraginaceae:** *Hackelia virginiana* ACDM; *Hellotropium convolvulaceum* M, *curassavicum* S, *indicum* CDMMuS, *tenellum* COS; *Lithospermum arvense* D, *canescens* AC, *carolinense* D, *incisum* CMuS; *Myosotis macrosperma* CS, *verna* CDMMuOS; *Onosmodium occidentale* CM, *subsetosum* AC

**Verbenaceae:** *Callicarpa americana* S; *Lippia incisa* MS, *lanceolata* v. *recognita* CDMMuOS; *Verbena bracteata* ACDM, *canadensis* ACDMMuOS, *Halei* Mu, *hastata* CDMMuS, *pumila* CS, *simplex* ACDMO, *stricta* f. *stricta* ACMMuOS and f. *albiflora* C, *urticifolia* CDMMuS

**Labiatae:** *Agastache nepetoides* ACO; *Cunila origanoides* ACDMO; *Glechoma Hederacea* v. *micrantha* ACD; *Hedeoma hispida* CDMMuS, *pulegioides* ADM; *Lamium amplexicaule* f. *amplexicaule* ACDMMuS and f. *albiflorum* C, *purpureum* ACDS; *Leonurus Cardiaca* C, *sibiricus* AC; *Lycopus americanus* v. *scabrifolius* CDMMuO, *rubellus* v. *rubellus* C and v. *arkansanus* D; *uniflorus* O; *Marrubium vulgare* CD; *Melissa officinalis* M; *Mentha piperita* CMO, *spicata* C; *Monarda citriodora* CMMuS, *fistulosa* ACDMuOS, *punctata* v. *villicaulis* CM, *Russeliana* ACDO, *virgata* CDMMuOS; *Nepeta Cataria* ACM; *Perilla frutescens* ACDMOS; *Physostegia angustifolia* CDMuOS; *Prunella caroliniana* CDMMuS; *Pycnanthemum albescens* CDOS, *pilosum* CO, *tenuifolium* CDMMuOS; *Salvia azurea* v. *grandiflora* CDMMuO, *lyrata* ACDMuS; *Satureja arkansana* CS; *Scutellaria elliptica* C, *incana* CO, *lateriflora* DO, *ovata* v. *ovata* CDOS and v. *bracteata* C; *parvula* v. *parvula* ACDMO; *Stachys tenuifolia* AO; *Teucrium canadense* v. *canadense* CDM and v. *virginicum* ACMMuOS; *Trichostema brachiatum* C

**Solanaceae:** *Datura meteloides* C, *Stramonium* CDO; *Physalis angulata* v. *angulata* DS and v. *lanceifolia* C and v. *pendula* CM, *heterophylla* CDMuO, *missouriensis* O, *pubescens* v. *glabra* S and v. *integrifolia* ACDMuOS, *pumila* CMuS, *virginiana* v. *virginiana* CDMS and v. *sonorae* ACDO; *Solanum nigrum* v. *americanum*, *carolinense* f. *carolinense* M and f. *albiflorum* ACS, *elaegnifolium* C. *rostratum* CM, *sarachoides* S

**Scrophulariaceae:** *Bacopa acuminata* M, *rotundifolia* ACDS; *Buchnera americana* CO; *Castilleja coccinea* f. *coccinea* CDMMuO and f. *lutescens* CMO; *Collinsia violacea* CDMMuOS; *Conoclea multifida* CDMuS; *Gerardia fasciculata* CDS, *Gattingeri* ACDMO, *grandiflora* v. *cinerea* CDM, *heterophylla* CMMuOS, *tenuifolia* v. *parviflora* C; *Gratiola neglecta* CDMuS, *virginiana* CDMuS; *Kickxia Elatine* CDS; *Linaria canadensis* v. *texana* CMMuOS, *vulgaris* D; *Lindernia anagallidea* ACDMuOS, *dubia* MMuOS; *Mimulus alatus* CDMO, *glabratus* v. *oklahomensis* A; *Pedicularis canadensis* CDOS; *Penstemon arkansanus* CMS, *Digitalis* CDMuOS, *tubaeflorus* ACDMMuOS; *Scrophularia marilandica* CO; *Seymeria macrophylla*; *Verbascum Blattaria* f. *Blattaria* CMS and f. *albiflora* DMS; *Thapsus* ACDMMuS; *Veronica arvensis* CDMMuOS, *peregrina* v. *peregrina* ACDMuOS and v. *xalapensis* CMuOS; *Veronicastrum virginicum* ACO

**Bignoniaceae:** *Campsis radicans* CMuO; *Catalpa bignonioides* D, *speciosa* CMuS

**Orobanchaceae:** *Orobanche uniflora* CMO

**Lentibulariaceae:** *Utricularia biflora* CMuO

**Acanthaceae:** *Dicliptera brachiata* CDOS; *Justicia americana* v. *americana* CDMO; *Ruellia humilis* CDMMuOS, *pedunculata* CDMuS, *strepens* f. *strepens* ACMuO

**Phrymaceae:** *Phryma leptostachya* ACMMuO

**Plantaginaceae:** *Plantago aristata* ACDMOS, *lanceolata* ACD, *pusilla* C, *Rugelii* DMO, *virginica* CDMMuO

**Rubiaceae:** *Cephalanthus occidentalis* v. *occidentalis* CDMMuOS; *Diodia teres* v. *setifera* CMMuOS; *Galium Aparine* CDMMuOS, *arkansanum* CDM, *circaezans* CMMuO, *concinnum* ACDMO, *pilosum* v.

punctulosum CDMuO, tinctorium S, triflorum ACD, virgatum CS; *Hedyotis crassifolia* ACDMMuOS, *nigricans* ACDMuOS, *purpurea* v. *purpurea* ACDM and v. *calycosa* CM and v. *longifolia* CD; *Sherardia arvensis* MS; *Spermacoce glabra* CO

**Caprifoliaceae:** *Lonicera flava* CDMO, *japonica* CD; *Sambucus canadensis* v. *canadensis* CDMMuO and v. *submollis* ACM; *Symphoricarpos orbiculatus* ACDMMuOS; *Triosteum perfoliatum* ACDMMu; *Viburnum prunifolium* v. *ferrugineum* ACDMS

**Valerianaceae:** *Valerianaella Bushii* ACM, *longiflora* ACMuS, *Nuttallii* CM, *ozarkana* AC, *radiata* v. *radiata* CDMMuOS

**Dipsacaceae:** *Dipsacus sylvestris* CD

**Cucurbitaceae:** *Cucurbita foetidissima* C; *Melothria pendula* CDMMuOS; *Sicyos angulata* CDS

**Campanulaceae** (incl. **Lobeliaceae**): *Campanula americana* v. *illinoensis* ACDMMuO; *Lobelia appendiculata* ACDMuOS, *Cardinalis* CDMO, *inflata* DS, *siphilitica* v. *ludoviciana* CDMOS, *spicata* v. *spicata* CDO and v. *leptostachys* ACDMu; *Specularia biflora* CDS, *lamprosperma* DMuS, *leptocarpa* CDMuO, *perfoliata* CDMOS

**Compositae:** *Achillea lanulosa* f. *lanulosa* CDMuOS and f. *rubicunda* AM; *Actinomeris alternifolia* ACDO; *Ambrosia artemisiifolia* v. *elatior* ACDMMuOS, *bidentata* CDMMuOS, *psilostachya* v. *coronopifolia* CMuS, *trifida* v. *texana* CDOS; *Antennaria neglecta* O, *plantaginifolia* (incl. *fallax*) ACDMMuOS; *Anthemis* *Cotula* CDMS; *Aphanostephus skirrhobasis* M; *Arctium minus* ACMu; *Artemisia annua* CS; *Artemisia ludoviciana* v. *gnaphalodes* D and v. *mexicana* MMuS; *Aster anomalus* CDMO, *azureus* CDMS, *ericoides* CDMMuOS, *laevis* C, *linariifolius* CDS, *oblongifolius* ACMuS, *paludosis* v. *hemisphericus* CDMMuOS, *patens* v. *patentissimus* ACDMMuOS, *pilosus* ACDOD; *praeltus* ACDMMuOS, *novae-angliae* C, *sagittifolius* (incl. *Drummondii* and *texana*) ACDMMuOS, *subulatus* v. *ligulatus* ACDOS; *Astranthium integrifolium* ACMMuS; *Berlandiera texana* v. *betonicaefolia* AD; *Bidens bipinnata* ACDMMuOS, *frondosa* CD, *polylepis* ACDMMuOS; *Boltonia diffusa* MuS, *latisquama* CMOS; *Cacalia atriplicifolia* O, *Muhlenbergii* ADO, *plantaginea* CDMMuO; *Carduus nutans* C; *Centaurea americana* CMMuS, *Cyanus* CDM; *Chaetopappa asteroides* CS; *Chrysanthemum Leucanthemum* v. *pinnatifidum* ACDMO; *Cichorium Intybus* ACDS; *Cirsium altissimum* CDMuOS, *vulgare* CDO; *Coryza canadensis* v. *canadensis* CMMuOS and v. *glabrata* MMuOS; *Coreopsis grandiflora* v. *grandiflora* CDMMuOS, *lanceolata* v. *villosa* A, *palmata* ACDMS, *pubescens* CDO, *tinctoria* f. *tinctoria* CDMMuS and f. *atropurpurea* CMuS, *tripteris* v. *Deamii* CD; *Echinacea pallida* CDMMuOS, *purpurea* ACD; *Eclipta alba* CDMuO; *Elephantopus carolinianus* ACDMMuOS; *Erechtites hieracifolia* v. *intermedia* ACDM and v. *praelta* DO; *Erigeron annuus* ACDMOS, *philadelphicus* CDMuO, *pulchellus* ACDMO, *strigosus* ACDMOS; *Eupatorium strigosus* CDOS, *coelestinum* CDMMuOS, *incarnatum* CS, *perfoliatum* CMuS, *purpureum* CDO, *rugosum* ACDOM, *serotinum* CDMMuOS; *Gaillardia lanceolata* v. *fastigiata* ACDMMu, *lutea* C; *Galinsoga parviflora* C; *Gnaphalium obtusifolium* CDMS, *purpureum* ACDMMuOS; *Grindelia lanceolata* CDMMuOS; *Gutierrezia dracunculoides* CMMuOS; *Haplopappus ciliatus* S; *Helenium amara* ACDMMuO, *flexuosum* ACDMOS; *Helianthus angustifolius* S, *annuus* CO, *grosseserratus* ACDMO, *hirsutus* v. *hirsutus* CDMMuOS and v. *stenophyllus* CD and v. *trachyphyllus* CDMMuO, *Maximiliani* C, *mollis* CDMMuOS, *petiolaris* CMuO, *salicifolius* O, *tuberosus* CS; *Heliopsis helianthoides* v. *scabra* ACDMMuO; *Heterotheca latifolia* CMuS, *pilosa* CDMMuOS;

*Hieracium Gronovii* CDMO, *longipilum* CDM; *Hymenopappus scabiosaeus* v. *scabiosaeus* ACDMS and v. *corymbosus* A; *Iva angustifolia* MuS, *ciliata* CMuO; *Krigia biflora* ACDO, *Dandelion* ACDMMuOS, *occidentalis* CMuO, *oppositifolia* ACDMMuOS, *virginica* DM; *Kuhnia eupatorioides* v. *ozarkana* CDMOS; *Lactuca canadensis* v. *canadensis* CD and v. *latifolia* CDMMuS, *floridana* ACDMu, *ludoviciana* f. *ludoviciana* CMS and f. *campestris* CMMuO, *Scariola* f. *Scariola* CDMu and f. *integrifolia* CMMu; *Liatris aspera* f. *aspera* CO and f. *Benkil* C, v. *intermedia* CMS, *pyncnostachya* CDMMuOS, *squarrosa* v. *hirsuta* CDMMu; *Parthenium integrifolium* DOS; *Pluchea camphorata* CMu; *Polymnia canadensis* f. *radiata* ACDM, *Uvedalia* v. *densipillis* ACDO; *Prenanthes aspera* DO; *Pyrrhopappus carolinianus* CDMuOS; *Ratibida columnifera* f. *columnifera* DM and f. *pulcherrima* DMS, *pinnata* ACDMuO; *Rudbeckia amplexicaulis* CMuOS, *grandiflora* v. *grandiflora* CDMMuOS, *hirta* v. *pulcherrima* CDMMuOS, *laciniata* ADO, *subtomentosa* S, *triloba* CDMuOS; *Senecio aureus* D, *glabellus* CMMuS, *obovatus* v. *rotundus* ACDMMuS, *plattensis* ACDMuOS, *Silphium asperirimum* CMuS, *laciniatum* v. *laciniatum* CDMuS, *perfoliatum* ACO, *speciosum* ACDMuO; *Solidago caesia* D, *canadensis* v. *gilvocanescens* CS and v. *scabra* DMMuOS, *delicatula* ACDMS, *gigantea* v. *leiophylla* C, *gymnospermoides* CDMO, *hispida* CD, *missouriensis* v. *fasciculata* CDMuO, *nemoralis* ACDMMuS, *nitida* S, *petiolaris* (incl. *Lindheimeri*) ACDMOS, *radula* CMS, *rigida* CMuOS, *rugosa* v. *celtidifolia* S, *speciosa* v. *speciosa* D and v. *angustata* MMuO, *ulmifolia* ACDMMu; *Sonchus asper* f. *glandulosus* ACDMMu; *Taraxacum officinale* ACM; *Tragopogon major* MS; *Verbesina helianthoides* CDMMu, *virginica* CDO; *Vernonia altissima* ACDM, *Baldwinii* CDMMuOS, *Baldwinii* X *crinita* CDMuOS, *crinita* CDMuOS, *missurica* C; *Xanthium strumarium* sen. lat. CMMuOS.

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