

Contributions to the Flora of Wayne County, IV

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A study of three families of flowering plants of Wayne County, Indiana, namely the *Gramineae*, *Cyperaceae* and *Compositae* was made during the academic year 1958-1959. These families were omitted in previous studies and reports of monocotyledonous and dicotyledonous families. As before, no species are included in the following list unless previously reported by Deam, or now present in the Earlham College herbarium, hence the list is not to be considered complete for the county.

The following list includes 188 species in 73 genera. There are 101 species recorded here which were not included in Deam's Flora of Indiana for Wayne County. It should also be noted that the genus *Aster* has not been studied, or rather the author is unwilling to list *Aster* species for the County at this time. The sequence of genera, and of species within genera, is alphabetical. The nomenclature is in accord with Gray's Manual of Botany, 8th Edition.

A list of species in the three families, *Gramineae*, *Cyperaceae* and *Compositae* of Wayne County, Indiana (Exclusive of species of the Genus *Aster*)

Gramineae: *Agropyron repens* (L.) Beauv., *Agropyron Smithii* Rydb., *Agrostis alba* L., *Agrostis hyemalis* (Walt.) BSP., *Agrostis perennans* (Walt.) Tuckerm., *Andropogon Gerardi* Vitman, *Andropogon scoparius* Michx., *Andropogon virginicus* L., *Bromus commutatus* Schrad., *Cenchrus pauciflorus* Benth., *Cinna arundinacea* L., *Cynodon dactylon* (L.) Pers., *Dactylis glomerata* L., *Danthonia spicata* (L.) Beauv., *Diarrhena americana* Beauv., *Digittaria Ischaemum* (Schreb.) Muhl., *Digittaria sanguinalis* (L.) Scop., *Echinochloa crusgalli* (L.) Beauv., *Eleusine indica* (L.) Gaertn., *Elymus riparius* Wieg., *Elymus villosus* Muhl., *Elymus virginicus* L., *Elymus virginicus* L. var. *glabriflorus* (Vasey) Bush., *Eragrostis Frankii* C. A. Mey, *Eragrostis megastachya* (Koel.) Link *Eragrostis pectinacea* (Michx.) Nee., *Festuca elatior* L., *Festuca obtusa* Biehler., *Glyceria striata* (Lam.) Hitchc., *Hystrix patula* Moench., *Leersia oryzoides* (L.) Sw., *Leersia virginica* Willd., *Lolium perenne* L., *Muhlenbergia brachyphylla* Bush., *Muhlenbergia frondosa* (Poir.) Fern, *Muhlenbergia mexicana* (L.) Trin. forma *ambigua* (Torr.) Fern., *Muhlenbergia racemosa* (Michx.) BSP., *Muhlenbergia Schreberi* J. F. Gmel., *Panicum clandestinum* L., *Panicum dichotomiflorum* Michx., *Panicum Gattingeri* Nash, *Panicum lanuginosum* Ell. var. *fasciculatum* (Torr.) Fern., *Panicum philadelphicum* Bernh., *Paspalum ciliatifolium* Michx., var. *Muhlenbergii* (Nash) Fern., *Phalaris arundinacea* L., *Phleum pratense* L., *Poa annua* L., *Poa compressa* L., *Poa sylvestris* Gray., *Setaria glauca* (L.)

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Beauv., *Setaria verticillata* (L.) Beauv., *Setaria viridis* (L.) Beauv., *Sorghastrum nutans* (L.) Nash., *Sorghum halepense* (L.) Pers., *Sphenopholis intermedia* Rydb., *Sporobolus neglectus* Nash., *Triodia flava* (L.) Smyth.

Cyperaceae: *Bulbostylis capillaris* (L.) C. B. Clarke., *Carex amphibola* Steud. var. *turgida* Fern., *Carex artitecta* Mack., *Carex blanda* Dewey, *Carex Careyana* Torr., *Carex cephalophora* Muhl., *Carex communis* Bailey, *Carex conjuncta* Boott., *Carex convoluta* Mack., *Carex Davisii* Schwein and Torr., *Carex digitalis* Willd., *Carex Frankii* Kunth, *Carex granularis* Muhl., *Carex Grayii* Carey, *Carex grisea* Wahl., *Carex hirsutella* Mack., *Carex hirtifolia* Mack., *Carex hystericina* Muhl., *Carex Jamesii* Schwein, *Carex laevivaginata* (Kükenth) Mack., *Carex lanuginosa* Michx., *Carex laxiflora* Lam., *Carex leptalea* Wahl., *Carex lupuliformis* Sartwell, *Carex lupulina* Muhl., *Carex lurida* Wahl., *Carex pensylvanica* Lam., *Carex prairea* Dewey, *Carex rosea* Schkuhr., *Carex Shortiana* L., *Carex sparganioides* Muhl., *Carex stipata* Muhl., *Carex suberecta* (Olvey) Britt., *Carex trichocarpa* Muhl., *Carex typhina* Michx., *Carex vulpinoidea* Michx., *Carex Wildenowii* Schkuhr., *Cyperus esculentus* L., *Cyperus flavescens* L. var. *poaeformis* (Pursh) Fern., *Cyperus rivularis* Kunth, *Cyperus strigosus* L., *Dulichium arundinaceum* (L.) Britt., *Eleocharis calva* Torr., *Eleocharis obtusa* (Willd.) Schultes, *Rhynchospora capillacea* Torr., *Scirpus americanus* Pers., *Scirpus atrovirens* Muhl., *Scirpus lineatus* Michx., *Scirpus validus* Vahl.

Compositae (Excepting Genus *Aster*): *Achillea Millefolium* L., *Actinomeris alternifolia* (L.) DC., *Ambrosia artemisiifolia* L. var. *elatior* (L.) Descourtils, *Ambrosia trifida* L., *Antennaria fallax* Greene, *Antennaria plantaginifolia* (L.) Hook., *Anthemis cotula* L., *Arctium minus* Bernh., *Artemisia annua* L., *Bidens bipinnata* L., *Bidens cernua* L., *Bidens comosa* (Gray) Wieg., *Bidens frondosa* L., *Bidens vulgata* Greene., *Cacalia atriplicifolia* L., *Chrysanthemum leucanthemum* L. var. *pinnatifidum* Lecoq & Lamotte, *Cichorium Intybus* L., *Cirsium arvense* (L.) Scop., *Cirsium discolor* (Muhl.) Spreng., *Cirsium vulgare* (Savi) Tenore., *Eclipta alba* (L.) Hassk., *Erigeron annuus* (L.) Pers., *Erigeron canadensis* L., *Erigeron philadelphicus* L., *Erigeron pulchellus* Michx., *Erigeron strigosus* Muhl., *Eupatorium maculatum* L., *Eupatorium perfoliatum* L., *Eupatorium purpureum* L., *Eupatorium rugosum* Houtt., *Galinsoga ciliata* (Raf.) Blake., *Gnaphalium obtusifolium* L., *Gnaphalium purpureum* L., *Grindelia squarrosa* (Pursh) Dunal., *Helenium autumnale* L., *Helianthus annuus* L., *Helianthus decapetalus* L., *Helianthus giganteus* L., *Helianthus grosseserratus* Martens, *Helianthus microcephalus* T. & G., *Helianthus strumosus* L., *Helianthus tuberosus* L., *Heliopsis helianthoides* (L.) Sweet., *Inula Helenium* L., *Krigia biflora* (Walt.) Blake., *Lactuca biennis* (Moench) Fern., *Lactuca canadensis* L. var. *obovata* Wieg., *L. canadensis* L. var. *latifolia* Ktze., *Lactuca floridana* (L.) Gaertn., var. *villosa* (Jacq.) Cronq., *Lactuca scariola* L., *Polymnia canadensis* L., *Prenanthes alba* L., *Prenanthes altissima* L., *Prenanthes racemosa* Michx., *Rudbeckia hirta* L., *Rudbeckia laciniata* L., *Rudbeckia speciosa* Wenderoth var. *Sullivantii* (Boynt. & Beadle) Robins., *Senecio aureus* L. var. *gracilis* (Pursh) Britt., *Senecio obovatus* Muhl., *Silphium integrifolium* Michx., *Silphium perfoliatum* L., *Silphium terebinthinaceum* Jacq., *Silphium trifoliatum* L.,

Solidago altissima L., *Solidago caesia* L., *Solidago canadensis* L., *Solidago canadensis* L. var. *gilvocanescens* Rybd., *Solidago flexicaulis* L., *Solidago gigantea* Ait. var. *leiphylla* Fern., *Solidago ohioensis* Riddell, *Solidago patula* Muhl., *Solidago nemoralis* Ait., *Solidago Riddellii* Frank, *Solidago rugosa* Mill., *Solidago uliginosa* Nutt. var. *linoides* (T. & G.) Fern., *Sonchus arvensis* L. var. *glabrescens* Guenth., Grab. & Wimm., *Sonchus oleraceus* L., *Tanacetum vulgare* L., *Vernonia altissima* Nutt., *Xanthium italicum* Moretti, *Xanthium pensylvanicum* Wallr.