

Contributions to the Flora of Wayne County, III

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A study of the pteridophyte flora and monocotyledonous plants of Wayne County, Indiana, was made during the academic year 1956-1957. This was a continuation of work reported in the 1955 and the 1956 Proceedings of the Indiana Academy of Science, and, with the exception of the genera *Crataegus*, *Rosa*, *Rubus* and *Salix* among the woody dicotyledons, and the families *Compositae*, *Cyperaceae* and *Gramineae*, completes the report, to date, of the flora of this county. 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 81 species in 44 genera and 17 families. There are 35 species recorded here which were not included in Deam's Flora of Indiana, for Wayne County. The sequence of genera is that used in Deam's Flora and the nomenclature is in accord with that used in Gray's Manual of Botany, 8th Edition, but the species are given alphabetically within the genera.

A list of the Pteridophyte and Monocotyledonous Species of Wayne County, Indiana

(Exclusive of Species of the Families *Cyperaceae* and *Gramineae*)

Ophioglossaceae: *Ophioglossum vulgatum* L. var. *pycnostichum* Fern.², *Botrychium dissectum* Spreng., *Botrychium dissectum* Spreng. var. *obliquum* (Muhl.) Fern., *Botrychium virginianum* (L.) Sw. Osmundaceae: *Osmunda regalis* L. var. *spectabilis* (Willd.) Gray². Polypodiaceae: *Cystopteris bulbifera* (L.) Bernh., *Cystopteris fragilis* (L.) Bernh., *Cystopteris fragilis* (L.) Bernh. var. *protrusa* Weatherby, *Onoclea sensibilis* L., *Dryopteris hexagonoptera* (Michx.) Christens., *Dryopteris spinulosa* (O. F. Muell) Watt.³ *Dryopteris Thelypteris* (L.) Gray var. *pubescens* (Lawson) Nakai, *Polystichum acrostichoides* (Michx.) Schott., *Athyrium Filix-femina* (L.) Roth var. *asplenioides* (Michx.) Farw.³, *Athyrium Filix-femina* (L.) Roth var. *Michauxii* (Spreng.) Farw. forma *rubellum* (Gilbert) Farw.³, *Athyrium pycnocarpon* (Spreng.) Tidestr., *Athyrium thelypteroides* (Michx.) Desv.³, *Camptosorus rhizophyllus* (L.) Link, *Asplenium platyneuron* (L.) Oakes, *Adiantum pedatum* L.

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² Reported previously from Wayne County but not known to occur now.

³ Species considered relatively rare, with only one or two stations, at this time.

Equisetaceae: *Equisetum arvense* L., *Equisetum fluviatile* L., *Equisetum hyemale* L. var. *affine* (Engelm.) A. A. Eaton. Selaginellaceae: *Selaginella apoda* (L.) Fern. Pinaceae: *Juniperus communis* L. var. *depressa* Pursh,² *Juniperus virginiana* L. var. *crebra* Fern & Grise.

Typhaceae: *Typha angustifolia* L.² Alismataceae: *Alisma subcordatum* Raf., *Sagittaria latifolia* Willd. Araceae: *Acorus Calamus* L., *Symplocarpus foetidus* (L.) Nutt., *Arisaema atrorubens* (Ait.) Blume, and forma *zebrinum* (Sims) Fern., and forma *viride* (Engler) Fern., *Arisaema Dracontium* (L.) Schott.³ Lemnaceae: *Spirodela polyrrhiza* (L.) Schleid., *Lemna minor* L. Commelinaceae: *Commelina communis* L., *Tradescantia subaspera* Ker., *Tradescantia virginiana* L. Juncaceae: *Juncus bufonius* L., *Juncus diffusissimus* Buckl., *Juncus Dudleyi* Wieg., *Juncus effusus* L. var. *solutus* Fern. and Wieg., *Juncus nodosus* L., *Juncus tenuis* Willd., *Juncus Torreyi* Coville, *Luzula multiflora* (Retz.) Lejeune.

Liliaceae: *Uvularia grandiflora* Sm., *Hemerocallis fulva* L., *Allium canadense* L., *Allium cernuum* Roth, *Allium tricoccum* Ait., *Lilium michiganense* Farw.³, *Erythronium albidum* Nutt.³, *Erythronium americanum* Ker, *Camassia scilloides* (Raf.) Cory, *Ornithogalum umbellatum* L., *Asparagus officinalis* L., *Smilacina racemosa* (L.) Desf., *Smilacina racemosa* (L.) Desf. var. *cylindrata* Fern., *Smilacina stellata* (L.) Desf.³, *Polygonatum biflorum* (Walt.) Ell., *Polygonatum pubescens* (Willd.) Pursh, *Trillium flexipes* Raf., *Trillium flexipes* Raf. forma *Walpolei* (Farw.) Fern., *Trillium grandiflorum* (Michx.) Salisb., *Trillium nivale* Riddell, *Trillium recurvatum* Beck, *Trillium sessile* L., *Trillium sessile* L. forma *viridiflorum* Beyer, *Smilax herbacea* L., *Smilax laisonneura* Hook., *Smilax rotundifolia* L., *Smilax tannoides* L. var. *hispida* (Muhl.) Fern. Amaryllidaceae: *Hypoxis hirsuta* (L.) Coville². Dioscoreaceae: *Dioscorea villosa* L. Iridaceae: *Iris virginica* L. var. *Shrevei* (Small) Anderson, *Belamcanda chinensis* (L.) DC.³, *Sisyrinchium albidum* Raf., *Sisyrinchium angustifolium* Mill. Orchidaceae: *Orchis spectabilis* L.³