

Additions to the Flora of Vigo County, Indiana. I.

MARION T. JACKSON, RONALD L. HELMS, and JOHN O. WHITAKER, JR.
Department of Life Sciences
Indiana State University, Terre Haute, Indiana 47809

Abstract

A total of 333 species of vascular plants are here reported as new records for Vigo County, Indiana, bringing the total number of species reported for the county to 830, representing 410 genera and 111 families.

Deam (2) apparently did not examine the collections in the Indiana State University (then Indiana State Teachers College) Herbarium prior to the publication of the *Flora of Indiana*. Consequently, a large number of relatively common species were not listed for the county on Deam's statewide plant distribution maps.

The purpose of this paper is to update the county flora to as complete a list of species as is possible at this time. Reported here are all vascular plant species contained in the ISU Herbarium that were collected within Vigo County, but which were not recorded for the county by Deam (2). Also included are records which have been published since those of Deam. In addition, extensive collecting during the past decade by Whitaker and Jackson resulted in several new county records. Helms' (10) intensive inventory of the Dobbs Park Nature Center provided a number of species new to the county.

No special effort was made to locate or to verify the continued presence of species previously reported for Vigo County. Many species, especially prairie species reported by Blatchley (1), likely no longer exist in the county.

Deam (2) listed a total of 489 vascular species for the county, representing 272 genera and 87 families. Records published subsequently to the *Flora of Indiana* included only an additional 8 species (3-8, 11). Including the species reported here, the vascular flora reported for the county totals 830 species, representing 410 genera and 111 families (Table 1).

Voucher specimens are located in the Indiana State University Herbarium. Nomenclature follows Little (12) for trees and Fernald (9) for non-arborescent species.

Acknowledgment

We acknowledge the assistance of Dr. John Ebinger, Eastern Illinois University, in verifying several grass and sedge species.

TABLE 1. *Floral additions for Vigo County, Indiana.*

ACERACEAE	CELASTRACEAE
<i>Acer nigrum</i> Michx. f.	¹ <i>Euonymus alatus</i> (Thunb.) Sieb.
<i>Acer rubrum</i> L.	<i>Euonymus obovatus</i> Nutt.
<i>Acer saccharinum</i> L.	CERATOPHYLLACEAE
AIZOACEAE	<i>Ceratophyllum demersum</i> L.
<i>Mollugo verticillata</i> L.	CHENOPODIACEAE
ALISMATACEAE	<i>Chenopodium album</i> L.
<i>Sagittaria latifolia</i> Willd.	<i>Chenopodium capitatum</i> (L.) Aschers.
AMARANTHACEAE	COMMELINACEAE
<i>Amaranthus hybridus</i> L.	<i>Commelina communis</i> L.
<i>Amaranthus retroflexus</i> L.	<i>Commelina virginica</i> L.
<i>Froelichia gracilis</i> (Hook.) Moq.	<i>Tradescantia virginiana</i> L.
ANNONACEAE	COMPOSITAE
<i>Asimina triloba</i> (L.) Dunal.	<i>Achillea Millefolium</i> L.
APOCYNACEAE	<i>Ambrosia artemisiifolia</i> L.
<i>Apocynum cannabinum</i> L.	<i>Ambrosia psilostachya</i> D.C.
¹ <i>Vinca minor</i> L.	<i>Ambrosia trifida</i> L.
ARACEAE	<i>Antennaria neglecta</i> Greene.
<i>Acorus Calamus</i> L.	<i>Antennaria plantaginifolia</i> (L.) Hook
<i>Arisaema triphyllum</i> (L.) Schott.	<i>Anthemis Cotula</i> L.
ARISTOLOCHIACEAE	<i>Arctium minus</i> (Hill) Bernh.
<i>Asarum canadense</i> L.	<i>Aster cordifolius</i> L.
ASCLEPIADACEAE	<i>Bidens bipinnata</i> L.
<i>Asclepias syriaca</i> L.	<i>Bidens comosa</i> (Gray) Wieg.
<i>Asclepias verticillata</i> L.	<i>Bidens coronata</i> (L.) Britt.
BALSAMINACEAE	<i>Cacalia atriplicifolia</i> L.
<i>Impatiens biflora</i> Walt.	<i>Chrysanthemum Leucanthemum</i> L.
<i>Impatiens pallida</i> Nutt.	<i>Cirsium arvense</i> (L.) Scop.
BERBERIDACEAE	<i>Conyza canadensis</i> (L.) Cronq.
<i>Berberis vulgaris</i> L.	<i>Eclipta alba</i> (L.) Hassk.
<i>Jeffersonia diphylla</i> (L.) Pers.	<i>Erigeron philadelphicus</i> L.
<i>Podophyllum peltatum</i> L.	<i>Erigeron strigosus</i> Muhl.
BETULACEAE	<i>Eupatorium perfoliatum</i> L.
<i>Betula nigra</i> L.	<i>Galinsoga ciliata</i> (Raf.) Blake
¹ <i>Betula papyrifera</i> Marsh.	<i>Helenium flexuosum</i> Raf.
<i>Carpinus caroliniana</i> Walt.	<i>Helianthus decapetalus</i> L.
BIGNONIACEAE	<i>Heliopsis helianthoides</i> (L.) Sweet
<i>Campsis radicans</i> L. Seem.	<i>Hieracium Gronovii</i> L.
<i>Catalpa speciosa</i> Warder.	<i>Lactuca biennis</i> (Moench) Fern.
BORAGINACEAE	<i>Lactuca canadensis</i> L.
<i>Myosotis verna</i> Nutt.	<i>Lactuca floridana</i> (L.) Gaertn.
CAPRIFOLIACEAE	<i>Matricaria matricarioides</i> (Less.) Porter.
¹ <i>Lonicera japonica</i> Thunb.	<i>Prenanthes altissima</i> L.
<i>Symphoricarpos orbiculatus</i> Moench.	<i>Rudbeckia triloba</i> L.
<i>Viburnum Lentago</i> L.	<i>Senecio aureus</i> L.
<i>Viburnum prunifolium</i> L.	<i>Senecio vulgaris</i> L.
<i>Viburnum opulus</i> L.	<i>Silphium integrifolium</i> Michx.
<i>Viburnum Rafinesquianum</i> Schultes.	<i>Sonchus oleraceus</i> L.
CARYOPHYLLACEAE	<i>Taraxacum officinale</i> Weber.
<i>Agrostemma Githago</i> L.	<i>Verbesina alternifolia</i> (L.) Britt.
<i>Cerastium viscosum</i> L.	CONVOLVULACEAE
<i>Cerastium vulgatum</i> L.	<i>Convolvulus arvensis</i> L.
<i>Lychnis alba</i> Mill.	<i>Ipomoea pandurata</i> (L.) G. F. W. Mey.
<i>Silene antirrhina</i> L.	CORNACEAE
<i>Silene Cucubalus</i> Wibel.	<i>Cornus racemosa</i> Lam.
<i>Silene virginica</i> L.	<i>Nyssa sylvatica</i> Marsh.
<i>Stellaria media</i> (L.) Cyrillo.	CRASSULACEAE
	<i>Sedum ternatum</i> Michx.

¹Cultivars reproducing naturally.

TABLE 1. (cont.)

CRUCIFERAE

- Barbarea vulgaris* R.Br.
Brassica campestris L.
Brassica juncea (L.) Coss.
Brassica nigra L. (Roch.)
Capsella Bursa-pastoris (L.) Medic.
Cardamine bulbosa (Schreb.) BSP.
Cardamine Douglassii (Torr.) Britt.
Dentaria laciniata Muhl.
Draba verna L.
Iodanthus pinnatifidus (Michx.) Steud.
Lepidium campestre (L.) R. Br.
Lepidium virginicum L.
Thlaspi arvense L.

CUPRESSACEAE

- Juniperus virginiana* L.

CYPERACEAE

- Bulbostylis capillaris* (L.) C. B. Clarke
Carex Grayii Carey
Carex laxiflora Lam.
Scirpus americanus Pers.
Scirpus cyperinus (L.) Kunth.
Scirpus lineatus Michx.

DIPSACACEAE

- Dipsacus sylvestris* Huds.

DIOSCOREACEAE

- Dioscorea villosa* L.

EBENACEAE

- Diospyros virginiana* L.

EQUISETACEAE

- Equisetum arvense* L.
Equisetum hyemale L.

EUPHORBIACEAE

- Croton glandulosus* L.
Euphorbia commutata Engelm.
Euphorbia marginata Pursh.

FAGACEAE

- Fagus grandifolia* Ehrh.
Quercus bicolor Willd.
Quercus muehlenbergii Engelm.
Quercus palustris Muenchh.
Quercus rubra L.
Quercus velutina Lam.

GENTIANACEAE

- Obolaria virginica* L.
Sabatia angularis (L.) Pursh.

GRAMINEAE

- Agropyron repens* (L.) Beauv.
Agrostis stolonifera L.
Andropogon virginicus L.
Bromus japonicus Thunb.
Bromus tectorum L.
Cenchrus longispinus (Hack.) Fern.
Dactylis glomerata L.
Danthonia spicata (L.) Beauv.
Elymus villosus Muhl.
Festuca clatior L.
Festuca villosus Muhl.

- Hordeum jubatum* L.
Apios americana Medic.
Panicum agrostoides Spreng.
Panicum depauperatum Muhl.
Panicum huachucae Ashe.
Panicum lanuginosum Ell.
Panicum latifolium L.
Panicum spretum Schultes.
¹*Phleum pratense* L.
Poa compressa L.
Poa pratensis L.
Setaria Faberii Herrm.
Setaria viridis (L.) Beauv.
Sorghum halpense (L.) Pers.
Sorghum halepense (L.) Pers.
Uniola latifolia Michx.

HAMAMELIDACEAE

- Liquidambar styraciflua* L.

HIPPOCASTANACEAE

- Aesculus glabra* Willd.

HYDROCHARITACEAE

- Vallisneria americana* Michx.

HYDROPHYLLACEAE

- Hydrophyllum macrophyllum* Nutt.

IRIDACEAE

- Iris Shrevei* Small.
Iris virginica L.
Sisyrinchium graminoides Bickn.

JUGLANDACEAE

- Carya laciniata* (Michx. f.) Loud.
Carya ovalis (Wangenh.) Sarg.
Carya ovata (Mill.) K. Koch.
Carya tomentosa Nutt.
Juglans cinerea L.

JUNCACEAE

- Juncus bufonius* L.
Juncus Dudleyi Wieg.
Juncus effusus L.
Juncus interior Wieg.
Juncus tenuis Willd.
Juncus Torreyi Coville.

LABIATAE

- Agastache scrophulariaefolia* (Willd.) Ktze.
Collinsonia canadensis L.
Glechoma hederacea L.
Lamium amplexicaule L.
Lamium purpureum L.
Leonurus Cardiaca L.
Mentha spicata L.
Nepeta Cataria L.
Physostegia virginiana L. (Benth.)
Scutellaria lateriflora L.
Scutellaria nervosa Pursh.
Stachys aspera
Trichostema dichotomum L.

LAURACEAE

- Lindera Benzoin* (L.) Blume

¹Cultivars reproducing naturally.

TABLE 1. (cont.)

LEGUMINOSAE

- Amphicarpa bracteata* (L.) Fern.
Apios americana Medic.
Cercis canadensis L.
Desmodium glabellum (Michx.) D.C.
Gleditsia triacanthos L.
Gymnocladus dioica (L.) K. Koch.
¹*Lespedeza cuneata* (Dumont) G. Don.
Lespedeza virginica (L.) Britt.
Medicago lupulina L.
¹*Melilotus alba* Desr.
¹*Melilotus officinalis* (L.) Lam.
Robinia pseudoacacia L.
Strophostyles leiosperma (T.&G.) Piper
Trifolium agrarium L.
¹*Trifolium hybridum* L.
¹*Trifolium pratense* L.
Trifolium procumbens L.
Trifolium repens L.

LEMNACEAE

- Lemna minor* L.
Spirodela polyrrhiza (L.) Schleid.

LILIACEAE

- Allium canadense* L.
Allium cernuum Roth.
Allium vineale L.
Asparagus officinalis L.
Erythronium americanum Ker.
Hemerocallis fulva L.
Ornithogalum umbellatum L.
Polygonatum biflorum (Walt.) Ell.
Smilacina racemosa (L.) Desf.
Smilax herbacea L.
Smilax rotundifolia L.
Trillium Gleasoni Fern.
Trillium recurvatum Beck.
Trillium sessile L.
¹*Yucca filamentosa* L.

LYCOPODIACEAE

- Lycopodium complanatum* L. Var.
flabelliforme Fern.

MALVACEAE

- Abutilon Theophrasti* Medic.
Malva neglecta Wallr.
Sida spinosa L.

MORACEAE

- Humulus Lupulus* L.
Maclura pomifera (Raf.) Schneid.

MORACEAE

- Morus alba* L.
Morus rubra L.

NYMPHAEACEAE

- Nuphar advena* (Ait.) Ait.f.

OLEACEAE

- Fraxinus americana* L.
Fraxinus profunda (Bush) Bush
Fraxinus nigra Marsh.

- Fraxinus quadrangulata* Michx.
Ligustrum vulgare L.

ONAGRACEAE

- Circaea quadrisulcata* (Maxim.) Franch.
 & Sav.
Gaura filipes Spach.
Jussiaea repens L.
Ludwigia palustris (L.) Ell.
Oenothera biennis L.
Oenothera tetragona Roth.

OPHIOGLOSSACEAE

- Botrychium dissectum* Spreng.

ORCHIDACEAE

- Orchis spectabilis* L.
Spiranthes gracilis (Bigel.) Beck.

OSMUNDACEAE

- Osmunda Claytoniana* L.

OXALIDACEAE

- Oxalis stricta* L.
Oxalis violacea L.

PAPAVERACEAE

- Sanguinaria canadensis* L.

PHYTOLACCACEAE

- Phytolacca americana* L.

PINACEAE

- ¹*Pinus banksiana* Lamb.
¹*Pinus resinosa* Ait.
¹*Pinus strobus* L.
¹*Pinus sylvestris* L.

PLANTAGINACEAE

- Plantago lanceolata* L.
Plantago major L.

PLATANACEAE

- Platanus occidentalis* L.

POLEMONIACEAE

- Phlox maculata* L.
Polemonium reptans L.

POLYGONACEAE

- Fagopyrum esculentum* Moench.
Polygonum aviculare L.
Polygonum Convolvulus L.
Rumex Acetosella L.
Rumex crispus L.
Rumex mexicanus Meissn.
Rumex obtusifolius L.
Rumex venosus Pursh.

POLYPODIACEAE

- Cystopteris bulbifera* (L.) Bernh.
Dryopteris marginalis (L.) Gray
Dryopteris spinulosa (O. F. Muell.) Watt.
Dryopteris noveboracensis (L.) A. Gray

PORTULACACEAE

- Claytonia virginica* L.

PRIMULACEAE

- Lysimachia Nummularia* L.

RANUNCULACEAE

- Anemonella thalictroides* (L.) Spach.

¹Cultivars reproducing naturally.

TABLE 1. (cont.)

RANUNCULACEAE (Cont.)		<i>Verbascum Blattaria</i> L.
<i>Clematis virginiana</i> L.		<i>Verbascum Thapsus</i> L.
<i>Hepatica acutiloba</i> D.C.		SIMAROUBACEAE
<i>Ranunculus abortivus</i> L.		<i>Ailanthus altissima</i> (Mill.) Swingle.
<i>Ranunculus acris</i> L.		SOLANACEAE
<i>Ranunculus hispidus</i> Michx.		<i>Datura Stramonium</i> L.
<i>Ranunculus septentrionalis</i> Poir.		<i>Physalis pubescens</i> L.
ROSACEAE		<i>Solanum Dulcamara</i> L.
<i>Agrimonia gryposepala</i> Wallr.		<i>Solanum nigrum</i> L.
<i>Amelanchier laevis</i> Wieg.		STAPHYLEACEAE
<i>Crataegus crus-galli</i> L.		<i>Staphylea trifolia</i> L.
<i>Fragaria virginiana</i> Duchesne.		TYPHACEAE
<i>Geum canadense</i> Jacq.		<i>Typha latifolia</i> L.
<i>Geum vernum</i> (Raf.) T. & G.		ULMACEAE
<i>Physocarpus opulifolius</i> (L.) Maxim.		<i>Celtis occidentalis</i> L.
<i>Potentilla recta</i> L.		<i>Ulmus americana</i> L.
<i>Potentilla simplex</i> Michx.		<i>Ulmus thomasi</i> Sarg.
<i>Prunus americana</i> Marsh.		UMBELLIFERAE
¹ <i>Prunus Persica</i> L. Patsch.		<i>Conium maculatum</i> L.
<i>Prunus serotina</i> Ehrh.		<i>Daucus Carota</i> L.
<i>Pyrus coronaria</i> L.		<i>Osmorhiza Claytoni</i> (Michx.) C. B. Clarke
<i>Rosa multiflora</i> Thunb.		<i>Pastinaca sativa</i> L.
<i>Rubus allegheniensis</i> Porter.		<i>Sanicula gregaria</i> Bickn.
<i>Rubus flagellaris</i> Willd.		<i>Sanicula trifoliata</i> Bickn.
<i>Rubus occidentalis</i> L.		<i>Sium suave</i> Walt.
RUBIACEAE		URTICACEAE
<i>Diodia teres</i> Walt.		<i>Boehmeria cylindrica</i> (L.) Sw.
<i>Galium Aparine</i> L.		<i>Laportea canadensis</i> (L.) Wedd.
RUTACEAE		<i>Parietaria pensylvanica</i> Muhl.
<i>Ptelea trifoliata</i> L.		VERBENACEAE
SALICACEAE		<i>Verbena urticifolia</i> L.
<i>Populus deltoides</i> Marsh.		VIOLACEAE
<i>Populus grandidentata</i> Michx.		<i>Viola eriocarpa</i> Schwein
<i>Salix discolor</i> Muhl.		<i>Viola papilionacea</i> Pursh.
<i>Salix nigra</i> Marsh.		<i>Viola pubescens</i> Ait.
SCROPHULARIACEAE		<i>Viola sororia</i> Willd.
<i>Linaria vulgaris</i> Hill.		<i>Viola striata</i> Ait.
<i>Scrophularia marilandica</i> L.		VITACEAE
		<i>Vitis aestivalis</i> Michx.

¹Cultivars reproducing naturally.

Literature Cited

1. BLATCHLEY, W. S. 1896. A catalogue of the uncultivated ferns and fern allies (Pteridophyta) and the flowering plants (Spermatophyta) of Vigo County, Indiana. Annu. Rep. Indiana Dep. Geol. and Natur. Res. 21:577-708.
2. DEAM, C. C. 1940. Flora of Indiana. Indiana Dept. of Conservation, Division of Forestry. Indianapolis. 1236 p.
3. DEAM, CHARLES C. 1941. Indiana plant distribution records, I. 1940. Proc. Indiana Acad. Sci. 50:72-78.
4. DEAM, CHARLES C. 1943. Indiana plant distribution records, III. 1942. Proc. Indiana Acad. Sci. 52:97-108.
5. DEAM, CHARLES C. 1944. Indiana plant distribution records, IV. 1943. Proc. Indiana Acad. Sci. 53:105-115.
6. DEAM, CHARLES C. 1945. Indiana plant distribution records, V. 1944. Proc. Indiana Acad. Sci. 54:91-99.

7. DEAM, CHARLES C. 1950. Indiana plant distribution records, X. 1949. Proc. Indiana Acad. Sci. 59:48-52.
8. DEAM, CHARLES C. 1954. Indiana plant distribution records, XIV. 1953. Proc. Indiana Acad. Sci. 63:67-72.
9. FERNALD, M. L. 1950. Gray's manual of botany, American Book Company, New York, N.Y. 1632 p.
10. HELMS, RONALD L. and MARION T. JACKSON. 1976. Biotic inventory of Dobb's Park Natural Area. Proc. Indiana Acad. Sci. 85: (in press).
11. HUMBLE, JACK. 1966. Indiana plant distribution records, XIX. 1962-65. Indiana Acad. Sci. 75:231-234.
12. LITTLE, ELBERT L. 1953. Check list of native and naturalized trees of the United States. Agr. Handbook No. 41. U. S. Forest Service, Washington, D.C. 472 p.

