

Indiana Plant Distribution Records, X. 1949

Genera are listed in the order used in Deam's Flora and species are given alphabetically within the genera. Symbols following the county in which specimens were collected indicate the herbaria in which confirming specimens have been deposited. Entities new for the state are given in bold face followed by literature references and name of the collector.

The specimens listed below have been collected by the following collectors: Ball State Teachers College (BS): Mrs. Marian Rector; Butler University (B): C. M. Ek, Charles C. Deam, R. C. Friesner, V. O. Graham, Johanna Jones, Jack McCormack, Chester Miller, J. E. Potzger, Kenneth Shockley, and Floyd A. Swink; Chicago Natural History Museum (F): Howard Benke and Floyd A. Swink; Deam Herbarium (D): Charles C. Deam, Ray C. Friesner, and Ralph Kriebel; DePauw University (DP): Elmer E. Callaway, R. C. Friesner, D. Smith, and Winona H. Welch; University of Florida (Fl): C. M. Ek; Gray Herbarium (G): C. C. Deam, Howard Benke, and Ralph Kriebel; Indiana University (IU): C. J. Avers, Charles B. Heiser, Jr., Vernon Helmen, Gladys Price, Dale Smith, Paul Weatherwax, and Winona H. Welch; Huntington College (Hu): Fred Loew; Missouri Botanical Garden (Mo): Churchill; New York Botanical Garden (NY): C. M. Ek and R. C. Friesner; University of Texas (Tex): R. C. Friesner; U. S. National Herbarium (N): C. C. Deam and W. S. Blatchley.

The committee maintains a card file showing published distribution of each species within the state. Botanical workers needing such information may obtain distribution maps of any species recorded in the Flora, or subsequently added in these reports, by requesting same from the secretary of this committee.

Species

Polystichum acrostichoides, Kosciusko (B). *Camptosorus rhizophyllus*, Daviess (B). X *Asplenosorus ebenoides*, Monroe (IU). *Anacharis canadensis*, Putnam (DP). *Bromus commutatus*, Daviess (B). *B. kalmii*, Huntington (Hu). *B. latiglumis*, Orange (B). *B. secalinus*, Daviess (B). Huntington (Hu). *B. tectorum*, Daviess (B). *Vulpia octoflora* v. *tenella*, Daviess (B). *Poa annua*, Hendricks (B). *Elymus riparius*, Huntington (Hu). *E. virginicus*, Orange (B). *Lolium perenne*, Huntington (Hu), Elkhart (D). *Sphenopholis obtusata*, Daviess (B). *Danthonia spicata*, Daviess (B). *Digitaria ischaemum*, Ripley (B).

Panicum clandestinum, Daviess (B). *P. commutatum*, Daviess (B), Putnam (B). *P. flexile*, Kosciusko (B). *P. linearifolium*, Orange (B), Putnam (B). *P. stipitatum*, Clark (B). *P. virgatum*, Jay (D). *Setaria*

faberi, Vermillion (B). *Andropogon gerardi*, Jay (D). *Eleocharis engelmanni*, Huntington (Hu). *Carex crux-corvi*, Huntington (Hu). *C. davidsii*, Huntington (Hu). *C. hystericina*, Huntington (Hu). *C. interior*, Huntington (Hu). *C. tribuloides*, Huntington (Hu). *C. typhina*, Huntington (Hu). *Arisaema atrorubens* f. *zebrina*, Jefferson (D,B). *Juncus effusus* v. *solutus*, Huntington (Hu). *J. interior*, Huntington (Hu).

Allium tricoccum, Fulton (B). *A. vineale*, Cass (B), Orange (B). *Trillium grandiflorum*, Franklin (B,D,DP). *Smilax glauca* v. *genuina*, Orange (B). *Orchis spectabilis*, Henry (BS). *Liparis liliifolia*, Lagrange (B). *Aplectrum hyemale*, Henry (BS). *Saururus cernuus*, Madison (B). *Populus deltoides*, Madison (B). *Salix alba*, Jay (D). *S.a.* v. *vitellina*, Kosciusko (B). *S. candida*, Jasper (B). *S. fragilis*, Huntington (Hu). *S. glaucophylla*, Carroll (B), Fulton (B). *S. gracilis* v. *textoris*, Carroll (B), Kosciusko (B). *S. humilis*, Orange (B). *S. interior*, Carroll (B). *S. lucida*, Kosciusko (B). *S. nigra*, Union (B). *S. pedicellaris* v. *hypoglauca*, Carroll (B). *S. rigida*, Marion (B), Union (B). *S. sericea*, Huntington (Hu).

Carya cordiformis, De Kalb (D), Elkhart (D). *C. ovata*, Marshall (D). *C. tomentosa*, Brown (B), Marshall (D). *Ostrya virginiana*, Perry (D). *Quercus bicolor*, Jay (D). *Q. borealis* v. *maxima*, Adams (D). *Q. macrocarpa*, Jay (D), Warren (B). *Q. palustris*, Adams (D), Perry (D). *Ulmus alata*, Daviess (B). *Celtis pumila*, Orange (B). *Morus rubra*, Randolph (D). *Humulus americana*, Jay (D). *Urtica dioica* v. *procera*, Madison (B). *Rumex acetosella*, Hamilton (B). *R. altissimus*, Delaware (BS). *R. obtusifolius*, Delaware (BS). *R. orbiculatus*, Fulton (B). *Polygonum erectum*, Madison (B). *P. hydropiper* v. *projectum*, Fulton (B). *P. hydropiperoides* f. *strigosum*, Hancock (B). *P. lapathi folium*, Marion (B). *P. neglectum*, Fulton (B), Marion (B). *P. pennsylvanicum* v. *laevigatum* f. *pallescent*, Madison (B). *P. persicaria*, Fulton (B), Jay (D). *P. punctatum* v. *confertiflorum* (Meisn.) Fassett. Brittonia 6:377. Kosciusko (B), Marion (B,NY,Tex), Porter (Mo). Collected by R. C. Friesner. *P. punctatum* v. *majus* (Meisn.) Fassett. Brittonia 6:373. Porter (F,G). Collected by Howard Benke. *P. virginianum*, Fulton (B). *Acnida altissima* v. *subnuda*, Morgan (IU).

Cerastium nutans, Huntington (Hu). *C. semidecandrum* L. Gray Man. 7 ed. p. 383. Porter (B). Collected by Floyd A. Swink. *C. vulgatum* v. *hirsutum*, Pulaski (D). *Holosteum umbellatum*, Henry (BS). *Arenaria serpyllifolia*, Pulaski (D). *Agrostemma githago*, Elkhart (D), Gibson (IU). *Silene antirrhina*, Delaware (BS), Huntington (Hu). *S. cucubalis*, Huntington (Hu). *Lychnis alba*, Huntington (Hu). *Dianthus armeria*, Gibson (IU), Putnam (B). *Saponaria officinalis*, Delaware (BS), Fulton (B). *Hydrastis canadensis*, Orange (B). *Aquilegia canadensis*, Orange (B). *Anemone quinquefolia* v. *interior*, Putnam (DP,B). *Heptica americana*, Huntington (Hu). *Ranunculus abortivus*, Jay (IU). *Thalictrum dasycarpum*, Warren (B). *T. revolutum*, Orange (B).

Stylophorum diphyllum, Delaware (BS). *Dicentra canadensis*, Delaware (BS). *Lepidium virginicum* v. *typicum*, Adams (BS), Warren (B). *Thlaspi perfoliatum*, Franklin (B,D,DP). *Arabidopsis thaliana*, Huntington (Hu). *Rorippa sylvestris*, Hancock (B). *Nasturtium officinale*, Huntington (Hu). *Armoracea aquatica*, Daviess (B). *Cardamine pennsylvanica*, Huntington (Hu). *Camelina microcarpa*, Delaware (BS), Putnam (DP). *Capsella bursa-pastoris*, Pulaski (D). *Arabis canadensis*, Orange (B). *Erysimum repandum*, Delaware (BS). *Alyssum alyssoides*, Adams (BS). *Sedum acre*, Delaware (BS). *Saxifraga pennsylvanica*, Delaware (BS). *Liquidambar styraciflua*, Greene (B). *Physocarpus opulifolius*, Elkhart (D). *Agrimonia pubescens*, Huntington (Hu).

Cassia fasciculata, Henry (BS). *Medicago lupulina*, Warren (B). *M. sativa*, Delaware (BS). *Melilotus alba*, Warren (B). *M. officinalis*, Orange B, Warren (B). *Trifolium dubium*, La Porte (B,F). *T. pratense*, Clay (B), Elkhart (D). *Desmodium marilandicum*, Greene (B). *D. paniculatum*, Madison (B). *Lespedeza stipulacea*, Greene (B). *Amphicarpa bracteata*, Greene (B). *A. b. v. comosa*, Madison (B). *Oxalis stricta*, Hancock (B). *Linum virginianum*, Huntington (Hu). *Polygala sanguinea*, Martin (B). *P. verticillata*, Martin (B), Ripley (B). *Euphorbia commutata*, Orange (B). *E. dentata*, Henry (BS), Jay (D). *Staphylea trifolia*, Delaware (BS). *Acer saccharinum*, Delaware (BS), Randolph (D).

Abutilon theophrasti, Hancock (B). *Malva neglecta*, Henry (BS). *Callirhoe involucrata*, Daviess (IU). *Hibiscus trionum*, Delaware (BS), Madison (B). *Hypericum perforatum*, Warren (B). *Viola papilionacea*, Huntington (Hu). *V. triloba*, Orange (B). *Epilobium coloratum*, Fulton (B). *E. leptophyllum*, Jasper (B). *E. strictum*, Jasper (B). *Oenothera perennis*, Lake (B). *Oe. pycnocarpa*, Delaware (B), Henry (BS). *Gaura biennis*, Delaware (B). *Osmorhiza longistylis*, Lake (B). *O.l. v. villicaulis*, Marion (B). *Taenidia integerrima*, Orange (B). *Sium suave*, Fulton (B). *Heracleum lanatum*, Randolph (B). *Nyssa sylvatica* v. *caroliniana*, Orange (B). *N.s. v. typica*, Spencer (D). *Cornus florida*, De Kalb (D). *Vaccinium stamineum*, Orange (B).

Samolus parviflorus, Daviess (B). *Lysimachia hybrida*, Martin (B), Warren (B). *L. nummularia*, Delaware (BS). *L. quadrifolia*, Orange (B). *Anagallis arvensis*, Martin (B). *Fraxinus americana*, De Kalb (D), Marshall (D), Perry (D). *F. pennsylvanica*, Huntington (D). *Gentiana andrewsii*, Fulton (B). *Frasera caroliniensis*, Delaware (BS). *Acerates hirtella*, Clay (B). *Asclepias amplexicaulis*, Cass (B). *A. syriaca*, Warren (B). *A. tuberosa* v. *interior*, Martin (B). *Gonolobus obliquus*, Orange (B). *Cuscuta campestris*, Orange (B,DP). *C. gronovii*, Henry (B,DP), Warren (B,DP). *C.g. v. latiflora*, Engelm. Mem. Torr. Bot. Cl. 18:173. Jasper (B,DP). Collected by R. C. Friesner. *Convolvulus sepium*, Delaware (BS). *Ipomoea pandurata*, Orange (B). *Ipomopsis rubra*, Jasper (B). *Ellisia nyctelia*, Tippecanoe (B).

Cynoglossum officinale, Randolph (B). *Myosotis scorpioides*, Elkhart (D). *Lithospermum arvense*, Delaware (BS). *Echium vulgare*, Dela-

ware (BS). *Verbena bipinnatifida*, Orange (B). *V. bracteata*, Marion (B). X *V. Engelmannii*, Fulton (B), Greene (B). *V. hastata*, Fulton (B). *V. simplex*, Warren (B). *V. stricta*, Orange (B). *V. urticaefolia*, Fulton (B). *Phyla lanceolata*, Hancock (B). *Trichostemma dichotomum*, Delaware (B). *Agastache nepetoides*, Madison (B). *Prunella vulgaris*, Warren (B). *Lamium amplexicaule*, Delaware (BS). *L. purpureum*, Delaware (BS). *Blephilia ciliata*, Orange (B). *Lycopus virginicus*, Huntington (Hu). *Mentha piperita*, Fulton (B). *Physalis heterophylla*, Delaware (BS). *P. pubescens*, Delaware (BS). *Datura stramonium*, Fulton (B), Huntington (Hu), Jay (D).

Verbascum blattaria, Delaware (BS), Warren (B), Wayne (BS). *V.b. f. albiflora*, Wayne (BS). *V. thapsus*, Delaware (BS). *Linaria canadensis*, Cass (B). *Penstemon calycosus*, Warren (B). *Gratiola neglecta*, Whitley (B). *Digitalis lanata* Ehrh. Bailey Man. Cult. Plt. p. 673. Harrison (B,D). Collected by C. C. Deam and Johanna Jones. *Dasistoma macrophylla*, Warren (B). *Aureolaria flava v. typica*, Huntington (Hu). *Conopholis americana*, Orange (B). *Epifagus virginiana*, Kosciusko (B). *Plantago virginica*, Hamilton (B). *Galium pilosum*, Orange (B). *G. tinctorium*, Adams (BS). *Viburnum dentatum v. deamii*, Huntington (Hu). *V. rufidulum*, Orange (B). *Valerianella olitoria*, Franklin (B,D,DP). *Dipsacus sylvestris*, Delaware (BS). *Specularia perfoliata*, Gibson (IU). *Lobelia cardinalis*, Hancock (B).

Vernonia altissima, Fulton (B). *Eupatorium purpureum*, Madison (B). *Liatris aspera v. intermedia* (Lunell) Gaiser. *Rhodora* 48:305. Benton (D,B), Cass (B), Crawford (D), Elkhart (D,B), Harrison (B,G), Jasper (B), Lagrange (D,B,G), Lake (B,D,N,NY), La Porte (B), Marshall (D,G,N), Newton (D,B), Porter (D,Mo,N), Pulaski (B), Starke (B,D,G,NY), Steuben (D,Mo,NY), White (B). *Liatris aspera v. typica* Gaiser. *Rhodora* 48:301. Jasper (Fl), Porter (G). *Liatris earlei* (Greene) K. Schum. *Rhodora* 48:336. Harrison (D,N). X *Liatris nieuwlandii* (Lunell) Gaiser. *Rhodora* 48:325. Allen (D,Mo), Cass (B,NY), Kosciusko (D,B,G,N,NY), Lagrange (D,N), Marshall (N), Noble (B,D,G,N), Porter (B,G), Steuben (B,D,G,Mo,N,NY), Warren (D,Mo). *Liatris scabra* (Greene) K. Schum. *Rhodora* 48:316. Brown (D,G), Cass (NY), Clark (D,B), Crawford (D,B), Franklin (B), Harrison (B,D,N), Jackson (G), Kosciusko (B,D), Perry (B), Spencer (B), Sullivan (B), Vigo (D,B,N), Washington (D,B,N). *Liatris sphaeroidea* Mx. *Rhodora* 48:312. Lake (D,G,N), Porter (G,N), Steuben (D,G). X *Liatris steelei* Gaiser. *Rhodora* 48:227. Lake (D,B), Porter (B,D,N).

Solidago canadensis v. gilvocanescens, Fulton (B). *S. graminifolia v. media*, Kosciusko (B). *S. patuliginosa* Friesner. *Butler Univ. Bot. Stud.* 9:125. Huntington (B,D), Montgomery (B). *Aster cordifolius*, Kosciusko (B). *A. drummondii*, Huntington (Hu). *A. dumosus*, Huntington (Hu). *A. interior*, Kosciusko (B). *A. lateriflorus*, Huntington (Hu), Monroe (IU). *Antennaria plantaginifolia*, Huntington (Hu). *Gnaphalium purpureum*, Orange (B). *Inula helenium*, Huntington (Hu).

Silphium terebinthinaceum v. *pinnatifidum*, Greene (B). *Iva xanthifolia*, Porter (B).

Eclipta prostratus, Hancock (B). *Rudbeckia laciniata*, Jay (D). ***Helianthus annuus*** X. ***H. petiolaris***, Vigo (IU). Collected by George B. Heiser. *H. decapetalus*, Fulton (B). *H. giganteus*, Lake (B). *H. lactiflorus* v. *rigidus*, Vermillion (B). *H. strumosus*, Harrison (B), Madison (B), Tippecanoe (B), Vermillion (B). *H. tuberosus*, Union (B). *Bidens bipinnata*, Lake (B). *B. vulgata*, Marion (B). *Erechtites hieracifolia*, Fulton (B). *Cirsium arvense* v. *vestitum*, Delaware (BS). *Cacalia muhlenbergii*, Warren (B). *Krigia virginica*, Cass (B). *Sonchus oleraceus*, Warren (B). *Lactuca canadensis* v. *latifolia*, Warren (B). *L. saligna*, Madison (B). *L. scariola*, Jay (D), Madison (B). *L. villosa*, Greene (B).

Additional Species Added to the Deam Herbarium

The following species previously reported in other herbaria have been added to the Deam Herbarium since the last report.

Polypodium polypodioides v. *michauxianum*, Jefferson. *Sphenopholis nitida*, Jefferson. *Setaria lutescens*, Jay. *Ornithogalum umbellatum*, Jefferson. *Smilax herbacea* v. *herbacea*, Jefferson. *S. pulverulenta*, Jefferson. *Hypoxis hirsuta*, Jefferson. *Populus deltoides*, Adams. *Fagus grandifolia*, Huntington, Jefferson. *Quercus alba*, Perry. *Q. imbricaria*, Adams. *Ulmus rubra*, De Kalb. *Cerastium vulgatum* v. *hirsutum*, Elkhart. *Silene antirrhina*, Elkhart. *Ranunculus hispidus*, Jefferson. *Duchesne indica*, Jefferson. *Cercis canadensis*, Randolph. *Desmodium paniculatum*, Huntington. *Oxalis stricta*, Elkhart. *Acer nigrum*, Jefferson. *Daucus carota*, Jay. *Nyssa sylvatica* v. *caroliniana*, Gibson. *Lysimachia ciliata*, Jay. *Stachys tenuifolia*, Randolph.

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