

Indiana Plant Distribution Records, XIII. 1952.

Genera are listed in the order used in Deam: Flora of Indiana, 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 listed for the first time for the state are given in bold face followed by literature reference and name of collector. Nomenclature is in accord with that used in Gray's Manual of Botany, 8 ed., 1950.

Specimens deposited in the various herbaria have been collected by the following collectors: Butler University (B): Frank Buser, Delzie Demaree, Charles M. Ek, C. C. Deam, R. C. Friesner, Fr. P. E. Hebert, J. Johanna Jones, Jack McCormick, and F. A. Swink. Deam Herbarium (D): C. C. Deam, Ray C. Friesner. Chicago National History Museum (F): J. A. Steyermark and F. A. Swink. University of Illinois (I). E. J. Hill and G. N. Jones. Indiana University (IU): J. S. Brooks, Virginia Elm, Charles B. Heiser, Jr., R. C. Jackson, S. Matsunami, Lois Nicholson, Roy O'Neal, W. R. Quinn, J. L. Ricketts, J. H. Rothrock, Clarence Sebree, and Dale Smith.

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

Taxonomic Entities

Botrychium dissectum f. *obliquum*, Hancock (B), Miami (B). *Osmunda claytoniana*, Fountain (B). *Dryopteris thelypteris* v. *pubescens*, Fountain (B). *Camptosorus rhizophyllus*, Jackson (B). X *Asplenosorus ebenoides*, Jackson (IU). *Tsuga canadensis*, Fountain (B). *Juniperus virginiana* v. *crebra*, Decatur (B).

Typha latifolia, Cass (B), Fountain (B). *Sparganium eurycarpum*, Fountain (B), Monroe (IU). *Alisma subcordatum*, Fountain (B). *Arundinaria gigantea*, Jackson (B). *Bromus inermis*, Boone (B). *Vulpia octoflora* v. *tenella*, Fountain (B). *Poa annua*, Fountain (B). *Eragrostis hypnoides*, Parke (B). *Uniola latifolia*, Fountain (B). *Agropyron repens* f. *aristatum* (Schum.) Holmb. Gray Man. 8 ed. p. 136. Hitchcock 2 ed. p. 232. Lake (B, F). Collected by F. A. Swink. *Hystrix patula* v. *bigeloviana*, Fountain (B). *Lolium perenne*, Lake (B, F). *Calamagrostis canadensis*, Fountain (B). *Muhlenbergia racemosa*, Cass (B). *Leersia lenticularis*, Fountain (B). *L. oryzoides*, Fountain (B). *Paspalum circulare*, Fountain (B). *Panicum boscii*, Fountain (B). *P. dichotomiflorum*, Fountain (B). *P. dichotomum*, Parke (B). *P. philadelphicum*, Fountain (B). *Echinochloa crusgalli*, Fountain (B). *Setaria faberi*, Fountain (B), Parke (B). *S. lutescens*, Fountain (B). *Cenchrus longispinus*, Fountain (B). *Andropogon elliotii*, Jackson (B). *A. scoparius*, Decatur (B). *A. virginicus*, LaPorte (B, F).

Cyperus filiculmis v. *macilentus*, Parke (B). *C. rivularis*, Fountain (B), Parke (B). *C. strigosus*, Fountain (B). *Scirpus atrovirens*, Fountain (B). *S. cyperinus*, Fountain (B). *S. lineatus*, Parke (B). *Eleocharis compressa*, Porter (B, F). *E. engelmanni* f. *detonsa* (Gray) Svenson. Gray Man. 8 ed. p. 254. Porter (B). Collected by F. A. Swink. *Carex acutiformis*, Ehrh. Amer. Midland Nat. 48:36. 1952. Gray Man. 8 ed. p. 372. St. Joseph (B, D, ND). Collected by Fr. P. E. Hebert. *C. albursina*, Porter (F). *C. aurea*, Porter (B). *C. bromoides*, Parke (B). *C. careyana*, Fountain (B). *C. comosa*, Parke (B). *C. granularis*, Fountain (B). *C. grayii*, Dubois (IU). *C. hirsutella*, Fountain (B), *C. hystricina*, Parke (B), Porter (B). *C. intumescens*, Lagrange (IU). *C. lupulina*, Fountain (B), Parke (B). *C. muskingumensis*, Fountain (B). *C. pedunculata*, Parke (I). See Flora, p. 274. G. N. Jones No. 11021. *C. platyphylla*, Fountain (B). *C. rostrata* v. *utriculata*, Parke (B). *C. scabrata*, Schwein. Gray Man. 8 ed. p. 348. St. Joseph (B, D, ND). Collected by Fr. P. E. Hebert. *C. squarrosa*, Fountain (B). *C. swanii*, Fountain (B), Marion (B), Parke (B).

Symplocarpus foetidus, Fountain (B). *Peltandra virginica*, Fountain (B). *Arisaema atrorubens* f. *viride*, Fountain (B), Montgomery (B), Shelby (B). *A. a. f. zebrina*, Fountain (B), Montgomery (B), Shelby (B). *Eriocaulon septangulare*, White (IU). *Heteranthera dubia*, Morgan (IU), *Juncus brachycephalus*, Fountain (B). *J. scirpoides*, LaPorte (B, F). *J. torreyi*, Fountain (B). *Hemerocallis flava*, Lake (F). *H. fulva*, Fountain (B). *Allium tricoccum*, Fountain (B), Hancock (B), Parke (B). *Lilium michiganense*, Fountain (B), Randolph (B). *L. superbum*, Crawford (B), Monroe (IU). *Erythronium albidum*, Parke (B). *E. americanum*, Fountain (B), Jackson (IU). *Ornithogalum umbellatum*, Fountain (B). *Polygonatum canaliculatum*, Cass (B). *Medeola virginiana*, Fountain (B). *Trillium flexipes*, Parke (B). *T. f. f. walpolei*, Jackson (IU). *T. sessile*, Jackson (IU).

Dioscorea quaternata, Jackson (IU). *D. villosa*, Hancock (B), Parke (B). *Iris virginica* v. *shrevei*, Hancock (B), Parke (B). *Sisyrinchium angustifolium*, Fountain (B). *Cypripedium calceolus* v. *parviflorum*, Kosciusko (B). *C. reginae*, Wabash (B). *Orchis spectabilis*, Fountain (B), Jackson (IU), Porter (F). *Habenaria flava*, Fountain (B), Parke (B). *Isotria verticillata*, Jackson (IU). *Calopogon pulchellus*, Cass (B), Randolph (B). *Liparis lilifolia*, Parke (B).

Saururus cernuus, Fountain (B). *Populus X jackii*, Sarg. Gray Man. 8 ed. p. 523. Lake (B, F), Porter (B, F). Collected by F. A. Swink. *Populus tremuloides*, Decatur (B). *Carya cordiformis*, Jackson (B). *C. ovalis*, Cass (B), Crawford (B), Decatur (B), Fulton (B), Miami (B). *C. ovata*, Decatur (B), Henry (B), Jackson (B). *C. tomentosa*, Miami (B). *Ostrya virginiana*, Jackson (B). *Fagus grandifolia*, Lake (I). *F. g. v. caroliniensis* f. *mollis*, Hancock (B).

Quercus bicolor, Fulton (B). *Q. coccinea*, Bartholomew (B, D), Jackson (B, D), Miami (B), Monroe (B, D), Starke (B). *Q. c. v. tuberculata*, Cass (B, D), Crawford (B, D), Harrison (B, D), LaPorte (D), Pulaski (B). *Q. ellipsoidalis*, Cass (B), Jasper (B), LaPorte (B), Miami (B),

Newton (D), Noble (D), Porter (B), Pulaski (D, B), Starke (B), Steuben (D). *Q. e. f. depressa*, Cass (B), Fulton (B), Jasper (B), Lagrange (D), Lake (B), LaPorte (B), Marshall (D), Porter (B), Pulaski (B, D), Starke (B, D), White (B, D). *Q. falcata* f. *triloba*, Crawford (B, D). *Q. imbricaria*, Pulaski (B). *Q. X leana*, LaPorte (B, D), Sullivan (B, D). *Q. macrocarpa*, White (B). *Q. X paleolithicola*, Jasper (B). *Q. palustris*, Carroll (IU), Cass (B), Decatur (B), Fulton (B), Lagrange (IU), Miami (B). *Q. rubra*, Jackson (B, D), Lake (B). *Q. shumardii* v. *schneckii*, Lawrence (B, D). *Q. velutina*, White (B).

Ulmus rubra, Jackson (B). *Celtis occidentalis* v. *canina*, Parke (B). *Humulus lupulus* (B), Posey (IU). *Laportea canadensis*, Fountain (B). *Boehmeria cylindrica*, Fountain (B). *Commandra richardsiana*, Fountain (B). *Rumex crispus*, Jackson (IU). *R. hastatulus*, Baldw. Gray Man. 8 ed. p. 571. Jackson (IU). Collected by Ray Jackson. *R. obtusifolius*, Jackson (IU), Washington (IU). *R. orbiculatus*, Fountain (B), Parke (B). *R. verticillatus*, Fountain (B), Hamilton (B), Lake (B, F). *Polygonum arifolium* v. *lentiforme*, Fountain (B). *P. coccineum*, Fountain (B). *P. hydropiperoides*, Fountain (B). *P. sagittatum*, Parke (B). *P. tenue*, LaPorte (B, F). *Chenopodium ambrosioides*, Fountain (B). *C. berlandieri*, Monroe (IU).

Amaranthus albus, Fountain (B). *A. graecizans*, LaPorte (B). *A. spinosus*, Fountain (B), Jackson (IU). *Mirabilis nyctaginea*, Fountain (B). *Phytolacca americana*, Fountain (B). *Claytonia virginica*, Parke (B). *Stellaria longifolia*, Jackson (IU), Parke (B). *Holosteum umbellatum*, Daviess (IU). *Silene stellata*, Morgan (IU). *Lychnis alba*, Cass (B), Fountain (B). *Saponaria officinalis*, Fountain (B). *Hydrastis canadensis*, Cass (B). *Cimicifuga racemosa*, Jackson (IU). *Delphinium tricornis*, Fountain (B). *Hepatica acutiloba*, Jackson (B). *Clematis pitcheri*, Fountain (B). *C. virginiana*, Fountain (B). *Ranunculus ambigens*, Fountain (B). *R. flabellaris*, Fountain (B). *R. sceleratus*, Fountain (B), Parke (B). *Thalictrum dioicum*, Parke (B). *Berberis japonica*, Wells (D).

Sassafras albidum, Cass (B), Jackson (B). *Dicentra cucullaria*, Jackson (IU), Shelby (B). *Lepidium virginicum*, Pulaski (B). *Thlaspi arvense*, Lake (B). *Sisymbrium officinale*, LaPorte (B, F). *Brassica nigra*, Parke (B). *Barbarea vulgaris* v. *arcuata*, Fountain (B), Porter (B). *Rorippa islandica* v. *fernaldiana*, Hancock (B). *R. sessiliflora*, Fountain (B). *R. sylvestris*, Parke (B). *Armoracea rusticana*, Clinton (B), Fountain (B). *Cardamine pennsylvanica*, Marion (B). *Arabis glabra*, Carroll (B). *Berteroa incana*, Monroe (IU). *Polanisia graveolens*, Fountain (B). *Saxifraga pennsylvanica*, Parke (B). *Mitella diphylla*, Owen (B). *Hydrangea arborescens* v. *oblonga*, Crawford (B). *Ribes americanum*, Fountain (B).

Physocarpus opulifolius, Bartholomew (IU), Wabash (B). *Crataegus phaenopyrum*, Elkhart (B). *Rubus occidentalis* f. *pallidus*, Jefferson (B). *Geum laciniatum*, Boone (B). *G. l.* v. *trichocarpum*, Fountain (B). *Filipendula rubra*, Fountain (B), Parke (B). *Agrimonia pubescens*, Washington (IU). *Prunus americana*, Jay (B, D). *Cassia hebecarpa*, DeKalb

(IU), Fountain (B). *C. marilandica*, Carroll (IU), Elkhart (IU), Hancock (B). *Gymnocladus dioica*, Fountain (B). *Melilotus alba*, Fountain (B). *Desmodium canadense*, Fountain (B). *Apios americana*, Fountain (B), LaPorte (B, F). *Strophostyles helveola*, Fountain (B), *Geranium carolinianum*, Lagrange (IU). *Polygala sanguinea*, Washington (IU). *Acalypha virginica*, Lagrange (IU). *Euphorbia carollata*, Fountain (B). *E. dentata*, Fountain (B). *E. heterophylla*, Fountain (B). *E. obtusata*, Fountain (B). *E. supina*, Fountain (B).

Rhus vernix, Parke (B), Wabash (B). *Ilex verticillata*, Decatur (B), Parke (B). *Acer negundo*, Fountain (B). *A. saccharinum*, Fountain (B). *Aesculus glabra*, Jackson (IU). *Rhamnus lanceolatus* v. *glabratus*, Gleason. *Phytologia* 4:25. 1952. Carroll (D), Cass (D), Dearborn (B,D), Franklin (D, NY), Henry (D), Lawrence (B, D), Randolph (B), Tippecanoe (B, D), Warren (D). *Vitis cinerea*, Fountain (B). *V. labrusca*, Monroe (IU). *Malva alcea*, Jackson (IU). *Hibiscus militaris*, Parke (B). *H. moscheutos*, Fountain (B). *H. trionum*, Morgan (IU). *Hypericum canadense*, LaPorte (B, F). *H. perforatum*, Fountain (B). *H. sphaerocarpum*, Fountain (B). *Lechea minor*, LaPorte (B, F). *Viola kitaibeliana* v. *rafinesquii*, Vermillion (B). *V. papilionacea*, Fountain (B). *V. pennsylvanica*, Jackson (IU). *V. p. f. leiocarpa*, Parke (B). *V. sagittata*, Starke (B). *V. striata*, Shelby (B).

Ammania coccinea, Parke (B). *Decodon verticillatus* v. *laevigatus*, Fountain (B). *Ludwigia alternifolia*, Fountain (B), Parke (B). *L. palustris* v. *americana*, Fountain (B), Parke (B). *Oenothera pilosella*, Parke (B). *Circaea quadrisulcata* v. *canadensis*, Jackson (IU). *Sanicula canadensis*, Fountain (B), Kosciusko (B), Porter (B). *Chaerophyllum tainturieri*, Marion (B). *Osmorhiza longistylis*, Fountain (B). *Erigenia bulbosa*, Fountain (B), Jackson (IU). *Conium maculatum*, Jackson (IU). *Zizia aurea*, Carroll (B). *Cicuta maculata*, Fountain (B). *Sium suave*, Fountain (B), Monroe (IU), Parke (B). *Angelica atropurpurea*, Hamilton (B). *Oxypolis rigidior*, Fountain (B). *Pastinaca sativa*, DeKalb (IU). *Daucus carota*, Jackson (IU).

Monotropa hypopitys, LaPorte (B, F). *Samolus parviflorus*, Decatur (B), Fountain (B). *Lysimachia ciliata*, Fountain (B). *L. hybrida*, Carroll (IU). *L. nummularia*, Fountain (B), Hamilton (B), Jackson (IU). *L. thyrsoiflora*, Fountain (B). *Anagallis arvensis*, Jackson (IU). *Fraxinus americana* v. *biltmoreana*, Jackson (B). *F. pennsylvanica*, Miami (B). *F. p. v. subintegerrima*, Miami (B). *Sabatia angularis*, Jackson (IU). *Swertia caroliniana*, LaPorte (F), Parke (B). *Apocynum sibiricum*, Fountain (B). *Asclepias exaltata*, Monroe (IU). *A. hirtella*, Jackson (IU). *A. incarnata*, Fountain (B), Jackson (IU). *A. incarnata* f. *albiflora*, Heller. *Gray Man.* 8 ed. p. 1173. Fountain (B). Collected by F. B. Buser. *A. syriaca*, DeKalb (IU). *A. tuberosa*, Jackson (IU). *A. verticillata*, Jackson (IU), Morgan (IU). *Ampelamus albidus*, Fountain (B), Morgan (IU).

Ipomoea lacunosa, Fountain (B). *I. pandurata*, Fountain (B), Jackson (IU), Monroe (IU). *Phlox maculata*, Fountain (B). *P. paniculata*, Fountain (B). *P. pilosa*, Parke (B). *Hydrophyllum appendiculatum*,

Porter (F). *H. canadense*, Parke (B). *H. virginianum*, Monroe (IU). *Cynoglossum officinale*, Lake (B). *Hackelia virginianum*, Jackson (IU). *Mertensia virginica*, Fountain (B). *Lithospermum arvense*, Fountain (B). *L. canescens*, Starke (B). *Echium vulgare*, Lake (B). *E. v. f. roseum*, F. Zinn. Gray Man. 8 ed. p. 1200. Lake (B). Collected by F. A. Swink *Verbena stricta*, DeKalk (IU), Fountain (B). *V. urticifolia*, Bartholomew (IU). *Phyla lanceolata*, Fountain (B).

Scutellaria lateriflora, Fountain (B). *S. ovata v. versicolor*, Fountain (B), Jackson (IU), Parke (B). *Physostegia virginiana*, Fountain (B). *Stachys palustris v. homotrichia*, Fountain (B). *S. tenuifolia*, Fountain (B). *S. t. v. hispida*, Fountain (B). *Monarda fistulosa*, Fountain (B). *M. f. v. mollis*, Cass (B) *Pycnanthemum pilosum*, Parke (B). *P. virginianum*, Fountain (B). *Mentha arvensis*, Fountain (B). *Perilla frutescens v. crispa*, Montgomery (B), Parke (B). *Nicandra physaloides*, Fountain (B), Montgomery (B). *Physalis hereophylla*, Fountain (B). *Solanum carolinense*, Adams (IU). *S. nigrum*, Dearborn (B). *Verbascum blattaria*, Jackson (IU). *Scrophularia lanceolata*, DeKalb (IU). *Penstemon digitalis*, Jackson (IU). *Mimulus alatus*, DeKalb (IU). *M. ringens*, Fountain (B). *Gratiola virginiana*, Monroe (IU), Montgomery (B). *Lindernia anagalidea*, Lake (B, F). *Veronica peregrina*, Parke (B). *V. serpyllifolia*, Fountain (B), Parke (B). *Veronicastrum virginicum*, DeKalb (IU). *Pedicularis lanceolata*, Fountain (B), Parke (B).

Campsis radicans, Fountain (B). *Orobanche uniflora*, Starke (B). *Ruellia caroliniensis*, Jackson (IU). *R. strepens f. cleistantha*, Fountain (B). *Justicia americana*, Bartholomew (IU). *Phryma leptostachya*, Jackson (IU), Porter (B). *Plantago lanceolata*, Jackson (IU). *Houstonia minima*, Beck. Gray Man. 8 ed. p. 1329. Fountain (B). Collected by Jack McCormick. *Cephalanthus occidentalis*, Fountain (B). *Diodia teres v. setifera*, Fountain (B). *Galium aparine*, Parke (B). *G. asprellum*, Fountain (B). *G. obtusum*, Fountain (B), Parke (B). *G. tinctorium*, Kosciusko (B). *Viburnum dentatum v. deamii*, Decatur (B), Parke (B). *V. lentago*, Miami (B). *Triosteum perfoliatum*, Parke (B). *T. aurantiacum v. illinoense*, Parke (B). *Lonicera japonica*, Decatur (B). *Dipsacus sylvestris*, Parke (B). *Campanula americana v. illinoensis*, Lake (B). *C. aparinoides*, Fountain (B).

Eupatorium coelestinum, Fountain (B). *E. sessilifolium*, Parke (B). *Liatris pycnostachya*, Greene (IU). *Solidago caesia f. axillaris*, Brown (B), Clark (B), Crawford (B), Decatur (B), Dubois (B), Hamilton (B), Hancock (B), Harrison (B), Jasper (B), Jefferson (B), Lake (B), Marion (B), Monroe (B), Morgan (B), Steuben (B), White (B). *S. canadensis v. gilvocanescens*, Wabash (B). *S. gigantea v. leiophylla*, Cass (B). *S. graminifolia v. polycephala* Fern. Gray Man. 8 ed. p. 1412. Ripley (B). Collected by Delzie Demaree. *S. juncea*, Jackson (IU). *S. riddellii*, Cass (B). *S. uliginosa v. linoides*, Cass (B). *Boltonia latisquama v. recognita*, Fountain (B). *Aster macrophyllus*, Decatur (B). *A. prenanthoides*, Crawford (B). *A. sagittifolius*, Decatur (B). *A. simplex v. ramosissimus*, Decatur (B). *Antennaria neglecta*, Montgomery (B). *Gnaphalium purpureum*, Fountain (B). *Silphium perfoliatum*, Bartholomew (IU), Fountain (B). *Ambrosia artemisifolia v. elatior f. villosa*, Dearborn (B). *A.*

bidentata, Fountain (B). *A. trifida*, Fountain (B). *Heliopsis helianthoides*, Bartholomew (IU), DeKalb (IU), Jackson (IU), Morgan (IU).

Rudbeckia hirta, Fountain (B). *R. laciniata*, Fountain (B), Morgan (IU). *R. triloba*, Posey (IU). *Helianthus decapetalus*, Fountain (B). *H. divaricatus*, Parke (B). *H. maximiliani*, Monroe (IU). *H. microcephalus*, Bartholomew (IU). *H. tuberosus*, Dearborn (B). *Actinomeris alternifolia*, Lake (B, F). *Verbesina helianthoides*, Parke (B). *Coreopsis tripteris*, Wabash (B). *Bidens comosa*, Decatur (B). *B. connata* v. *anomala*, Farw. Gray Man. 8 ed. p. 1503. Lake (B, F). Collected by F. A. Swink. *B. coronata*, Fountain (B). *B. frondosa*, Fountain (B). *Galinsoga ciliata*, Morgan (IU). *Helenium nudiflorum*, Kosciusko (B). *Anthemis cotula*, Jackson (IU). *Chrysanthemum leucanthemum* v. *pinnatifidum*, Fountain (B). *Cacalia atriplicifolia*, Bartholomew (IU), DeKalb (IU). *C. suaveolens*, Fountain (B). *Senecio pauperculus*, Pulaski (B). *Cirsium arvense*, Jackson (IU). *C. discolor*, Dearborn (B). *C. muticum*, Parke (B), Wabash (B). *Tragopogon major*, Jackson (IU). *T. porriifolius*, Bartholomew (IU). *Taraxacum erythrospermum*, Starke (B). *Sonchus arvensis* v. *glabrescens*, Fuiton (B). *Prenanthes racemosa*, Cass (B). *Hieracium longipilum*, Kosciusko (B), LaPorte (B, F). *H. scabrum*, Parke (B).

State Flora Committee: CHARLES C. DEAM, *Chairman*
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