

## Indiana Plant Distribution Records, IX. 1948

Genera are listed in the order used in Deam's "Flora" and species are given in alphabetical order within the genera. Symbols following the county 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 collector. Cases of doubt whether a taxonomic entity, newly found within the state, will become a part of the state flora are preceded by an asterisk.

The specimens listed below have been collected by the following collectors: Ball State Teachers College (BS): Mrs. Marian Rector; Butler University (B): Ray C. Friesner, Fred Loew, John E. Potzger, William Reynolds, Jack Secor, Frances Shockley, Homer H. Smith and Floyd A. Swink; Deam Herbarium (D): Charles C. Deam, Ray C. Friesner, and Floyd A. Swink; Gray Herbarium (G): Edwin D. Hull; Huntington College (Hu): Fred Loew; Indiana University (IU): Medford E. Campbell, Charles Heiser, and Arthur L. Reed; Wabash College (W): Dr. A. Clapp.

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

*Botrychium dissectum* v. *obliquum*, Clay (B). *Osmunda claytoniana*, Delaware (BS). *O. regalis* v. *spectabilis*, Clay (B). *Cystopteris fragilis* v. *protrusa*, Franklin (B). *Dryopteris intermedia*, Morgan (B). *D. thelypteris* v. *pubescens*, Jennings (B). *Polystichum acrostichoides*, Delaware (BS). *Athyrium angustum*, Delaware (BS). *A. asplenioides*, Delaware (BS), Green (B), Owen (B). *Equisetum arvense*, Delaware (BS).

*Juniperus virginiana* v. *crebra*, Greene (B), Huntington (Hu). *Typha angustifolia*, Green (B). *T. latifolia*, Greene (B). *Sagittaria latifolia*, Henry (D). *Bromus purgans* f. *laevivaginata*, Pulaski (D), Wayne (D). *Eragrostis hypnoides*, Pulaski (D). *E. pectinacea*, Adams (D). *Hystrix patula* v. *bigeloviana*, Wayne (D). *Muhlenbergia mexicana*, Adams (D). *M. sobolifera*, Grant (D). *Sporobolus cryptandrus*, Cass (B). *Brachyelytrum erectum*, Wayne (D). *Panicum dichotomiflorum*, Adams (D). *Setaria verticillata*, Rush (D). *Cyperus strigosus*, Huntington (Hu). *Eleocharis acicularis* v. *typica*, Pulaski (D). *E. compressa*, Greene (B), Howard (B), Newton (B). *E. obtusa*, Huntington (Hu). *Carex comosa*, Huntington (Hu). *C. grayii*, Wayne (D). *C. squarrosa*, Huntington (Hu).

*Acorus calamus*, Huntington (Hu). *Symplocarpus foetidus*, Delaware (BS). *Arisaema atrorubens* f. *viride*, Delaware (BS), Vermillion (B). *A. a. f. zebrinum*, Delaware (BS). *Commelina communis*, Greene (B): *Tradescantia virginiana*, Adams (BS). *Luzula multiflora* v. *bulbosa*, Vermillion (B). *Allium candense*, Franklin (B), Henry (BS). *A. vineale*, Hamilton (B), Vermillion (B). *Polygonatum commutatum*, Vermillion (B). *Smilacina racemosa* v. *cylindrata*, Henry (B). *Medeola virginiana*, Greene (B). *Trillium flexipes*, Greene (B). *T. grandiflorum*, Delaware (BS). *T. sessile* f. *luteum*, Delaware (BS), Henry (BS). *Dioscorea quaternata*, Franklin (B). *Sisyrinchium albidum*, Huntington (Hu). *S. angustifolium* (*S. graminoides* of Flora), Delaware (BS). *Cypripedium candidum*, Randolph (B). *Habenaria peramoena*, Greene (B). *Spiranthes cernua*, Pulaski (D).

*Salix pedicellaris* v. *hypoglauca*, Steuben (D). *S. rigida*, Huntington (B). *Populus heterophylla*, Clay (B), Greene (B). *Juglans nigra*, Greene (B), Rush (D). *Carya ovalis* v. *obovalis*, Huntington (B). *Quercus bicolor*, Clay (B). *Q. coccinea* v. *tuberculata*, Martin (B). *Q. muhlenbergii*, Miami (D). *Q. palustris*, Jennings (B). *Ulmus thomasi*, Rush (D). *Urtica dioica* v. *procera*, Adams (D), Wabash (B). *Laportea canadensis*, Wabash (B). *Asarum canadense*, Delaware (BS). *Rumex acetosella*, Delaware (BS). *R. verticillatus*, Huntington (Hu). *Polygonum aviculare*, Huntington (Hu). *P. buxiforme*, Putnam (B). *P. coccineum*, Pulaski (D). *P. hydropiperoides*, Clay (B), Huntington (Hu). *P. neglectum*, Greene (B). *P. pennsylvanicum* v. *laevigatum*, Adams (D). *P. p. v. l. f. pallescens*, Huntington (B), Wabash (B). *P. persicaria*, Greene (B). *P. punctatum*, Greene (B), Wabash (B). *P. scandens*, Henry (B). *Parietaria pennsylvanica*, Rush (D).

*Chenopodium ambrosioides* ssp. *eu-ambrosioides* v. *typica*, Wabash (B). *Atriplex patula*, Huntington (Hu). *Amaranthus albus*, Monroe (IU). *A. graecizans*, Monroe (IU). *A. hybridus*, Adams (D), Monroe (IU). *A. spinosus*, Greene (B), Henry (D). *Acnida altissima*, Huntington (B). *Mollugo verticillata*, Clay (B). *Oxybaphus nyctogineus*, Pulaski (D). *Stellaria longifolia*, Delaware (BS). *S. media*, Delaware (BS). *Cerastium vulgatum* v. *hirsutum*, Delaware (BS). *Arenaria serpyllifolia*, Delaware (BS), Vermillion (B). *Paronychia fastigiata*, Greene (B). *Lychnis alba*, Monroe (IU). *Dianthus armeria*, Monroe (IU). *Caltha palustris*, Boone (B). *Isophyrum biternatum*, Delaware (BS). *Ranunculus abortivus*, Greene (B). Montgomery (B), Owen (B). *R. micranthus*, Franklin (B). *R. sceleratus*, Jay (BS).

*Podophyllum peltatum*, Delaware (BS). *P. peltatum* f. *deamii* Raymond, Rhodora, 50: 18. 1948. Harrison (D). Collected by Charles C. Deam. *Berberis vulgaris*, Henry (D). *Asimina triloba*, Greene (B). *Corydalis flavula*, Huntington (B, Hu). *Lepidium campestre*, Greene (B). *Lepidium virginicum* v. *typicum*, Greene (B). *Thlaspi arvense*, Delaware (BS). *Sisymbrium altissimum*, Huntington (Hu). *Brassica kaber* v. *pinnatifida*, Wells (BS). *Barbarea vulgaris* v. *arcuata*, Delaware (BS), Greene (B). *Rorippa islandica* v. *microcarpa*, Greene (B).

*Nasturtium officinale*, Delaware (BS). *Armoracea rusticana*, Delaware (BS). *Cardamine bulbosa*, Clinton (B). *Capsella bursa-pastoris*, Greene (B). *Descurainia sophia*, Delaware (BS). *Arabis glabra*, Henry (BS). *A. hirsuta* v. *adpressipilis*, Delaware (BS). *A. laevigata*, Adams (BS), Delaware (BS). *Hesperis matronalis*, Delaware (BS).

*Sedum ternatum*, Delaware (BS). *Rubus occidentalis*, Delaware (BS). *Potentilla monspeliensis*, Greene (B). *P. recta*, Delaware (BS). *Geum laciniatum* v. *trichocarpum*, Greene (B). *G. vernum*, Clinton (B). *Agrimonia parviflora*, Steuben (D). *A. rostellata*, Greene (B). *Baptisia leucantha*, Greene (B). *Medicago lupulina*, Greene (B). *Melilotus alba*, Greene (B). *Trifolium hybridum*, Huntington (Hu). *T. h.* v. *elegans*, Delaware (BS). *T. pratense*, Huntington (Hu). *T. repens*, Huntington (Hu). *Robinia pseudoacacia*, Huntington (Hu). *Lespedeza capitata* v. *velutina*, Newton (B), White (B). *Amphicarpa bracteata*, Owen (B). *Apios americana*, Greene (B), Pulaski (B). *Strophostyles liosperma*, Greene (B). *Geranium carolinianum*, Delaware (BS), Vermillion (B). *G. pusillum*, Huntington (Hu). *Oxalis europaea*, Delaware (BS). *O. e.* v. *bushii* (Small Wieg. Rhodora 27: 136. 1925.) Greene (B). Collected by R. C. Friesner. *O. e.* v. *b. f. subglabrata*, Greene (B). *O. e.* v. *b. f. vestita*, Greene (B). *O. stricta*, Delaware (BS), Grant (BS). *O. violacea* v. *trichophora*, Montgomery (B). *Linum medium* v. *texanum*, Greene (B). *Polygala ambigua*, Brown (IU). *Euphorbia commutata*, Bartholomew (B), Delaware (BS).

*Staphylea trifolia*, Franklin (B). *Vitis palmata*, Vermillion (B). *Hibiscus trionum*, Adams (D). *Hypericum sphaerocarpum*, Greene (B). *H. tubulosum*, Harrison (W). *Viola pallens*, Howard (B). *V. striata*, Bartholomew (B). *V. triloba*, Ripley (B). *Decodon verticillatus*, Pulaski (D). *Oenothera laciniata*, Greene (B). *Myriophyllum heterophyllum*, Kosciusko (B). *Proserpinaca palustris* v. *crebra*, Pulaski (D).

*Sanicula canadensis* v. *typica*, Greene (B), Henry (B). *Osmorhiza claytoni*, Jennings (B). *Erigenia bulbosa*, Bartholomew (B). *Taenidia integerrima*, Adams (BS). *Thaspium barbinode*, Delaware (BS). *T. trifoliatum* v. *flavum*, Morgan (B). *Pastinaca sativa*, Delaware (BS). *Nyssa sylvatica* v. *caroliniana*, Vermillion (B). *Monotropa uniflora*, Pulaski (D). *Samolus parviflorus*, Brown (IU). *Lysimachia lanceolata*, Noble (B). *Dodecatheon meadia*, Huntington, (Hu), Ripley (B). *Fraginus americana*, Greene (B). *F. biltmoreana*, Clay (B), Greene (B). *F. lanceolata*, Greene (B). *F. quadrangulata*, Rush (D). *F. tomentosa*, Clay (B). *Gentiana andrewsii*, Clay (B). *G. procera*, Carroll (B).

*Apocynum cannabinum* v. *glaberrimum*, Greene (B), Morgan (B). *Asclepias incarnata*, Brown (IU). *A. sullivantii*, Greene (B). *A. syriaca*, Greene (B). *A. tuberosa* ssp. *interior*, Greene (B). *Cuscuta campestris*, Henry (B, DP). Jennings (B), Wabash (B, DP). *C. glomerata*, Greene (B, DP). *C. gronovii*, Huntington (Hu, B), Owen (B). *Convolvulus sepium* v. *americanus*, Greene (B). *Phlox glaberrima*, Greene (B). *Collomia linearis*, Lake (D). *Hydrophyllum appendiculatum*, Rush (D).

*Phacelia purshii*, Delaware (BS). *Cynoglossum virginianum*, Morgan (B). *Myosotis macrosperma*, Wells (BS). *M. scorpioides*, Wabash (B). *Mertensia virginica*, Delaware (BS). *Lithospermum arvense*, Bartholomew (B). *Verbent hastata*, Henry (D,B). *X. V. rydbergii*, Pulaski (B). *V. stricta*, Pulaski (B). *V. urticaefolia* v. *leiocarpa*, Huntington (B), Owen (B). *Teucrium canadense* v. *virginicum*, Greene (B), Steuben (D). *T. occidentale* v. *borcale*, Greene (B). *Scutellaria lateriflora*, Greene (B), Pulaski (D). *S. parvula* v. *leonardi*, Greene (B). *Agastache nepetoides*, Grant (D). *Glecoma hederacea* v. *parviflora*, Delaware (BS). *Physostegia speciosa*, Wabash (B). *Lamium purpureum*, Monroe (IU). *Stachys tenuifolia* v. *hispida*, Greene (B). *Monarda fistulosa* v. *mollis*, Greene (B). *Pycnanthemum incanum*, Greene (B). *P. flexuosum*, Henry (B). *P. virginianum*, Pulaski (D). *Lycopus americanus*, Greene (B). *L. rubellus*, Greene (B). *L. uniflorus*, Clay (B). *Perilla frutescens* v. *crispa*, Wabash. (B). *Lycium halimifolium*, Monroe (IU). *Physalis heterophylla*, Franklin (B), Owen (B). *Solanum nigrum*, Pulaski (D). *Datura stramonium*, Greene (B). *Collinsia verna*, Delaware (BS), Ripley (B). *Chelone obliqua* v. *speciosa*, Greene (B). *Penstemon gracilis* Nutt. *Rhodora* 49:256. 1947. Lake (G). Collected by Edwin D. Hull. *Mimulus ringens*, Greene (B). *Leucospora multifida*, Henry (B). *Gerardia purpurea*, Carroll (B). *G. tenuifolia* v. *typica*, Clay (B).

*Plantago lanceolata*, Delaware (B), Greene (B). *P. rugelii*, De Kalb (D). *Houstonia longifolia*, Delaware (BS). *Diodia teres* v. *setifolia*, Monroe (IU). *Galium tinctorium* (*G. trifidum* ssp. *tinctorium*), Brown (IU). *Triosteum aurantiacum*, Clinton (B). *Lonicera dioica*, Scott (B). *Valeriana pauciflora*, Delaware (BS). *Viburnum dentatum* v. *deamii*, Greene (B). *Sicyos angulatus*, Morgan (B). *Campanula rapunculoides*, Lake (G). *Rhodora* 47:404. *C. uliginosa*, White (B). *Lobelia spicata* v. *leptostachya*, Greene (B).

*Vernonia fasciculata*, Cass (B), Pulaski (B). *Eupatorium altissimum*, Miami (D). *E. maculatum*, Pulaski (D). *E. purpureum*, Pulaski (D). *E. rugosum*, Pulaski (D). *E. serotinum*, Owen (B). *Liatris spicata*, Greene (B). *Solidago canadensis* v. *gilvocanescens*, Huntington (B). *S. latifolia*, Owen (B). *S. rugosa* v. *typica*, Henry (B). *Aster cordifolius*, Cass (B). *A. ericoides*, Pulaski (D). *A. interior*, Clay (B), Owen (B), Wabash (B). *A. lucidulus*, Carroll (B). *A. novae-angliae*, Adams (D). *A. praealtus*, Lake (B). *A. p.* v. *angustior*, Huntington (B). *Erigeron annuus*, Franklin (B), Greene (B). *E. strigosus*, Greene (B). *Antennaria fallax*, Delaware (BS). *A. neglecta*, Marion (B). *A. neodioica*, Delaware (BS). *Silphium laciniatum* v. *robinsonii*, Tipton (B). *S. perfoliatum*, Wabash, (B). *S. terebinthinaceum* v. *pinnatifidum* (Ell.) Gray, Gray Man. 7 ed. p. 825. Pulaski (B, D). Collected by Charles C. Deam and R. C. Friesner. *Ambrosia elatior*, Greene (B), Huntington (B). *Rudbeckia deamii*, Greene (B). *R. hirta*, Delaware (BS). *R. laciniata*, Henry (D). *R. sullivantii*, Greene (B).

*Helianthus annuus*, Monroe (IU). *H. divaricatus*, Cass (B), Monroe (IU). *H. giganteus*, Marion (B). *H. hirsutus*, Pulaski (D). *H. stru-*

*mosus*, Huntington (B). *Bidens discoidea*, Pulaski (D). *Galinsoga ciliata*, Greene (B). *Helenium autumnale* v. *parviflorum*, Huntington (B), Wabash (B). *Anthemis cotula*, Brown (IU), Greene (B). *Matricaria matricarioides*, Noble (B), Ripley (IU). *Chrysanthemum leucanthemum* v. *pinnatifidum*, Delaware (BS). *Senecio plattensis*, Montgomery (B). *Arctium minus*, Clay (B), Huntington (Hu). *Cirsium discolor*, Cass (B). *Tragopogon porrifolius*, Delaware (BS), Greene (B). *T. pratensis*, Delaware (BS). *Taraxacum palustre* v. *vulgare*, Greene (B). *Lactuca canadensis* v. *obovata*, Huntington (B). *L. c.* v. *typica*, Greene (B). *L. saligna*, Greene (B), Monroe (IU).

#### 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.

*Juniperus virginiana* v. *crebra*, Miami. *Hordeum jubatum*, De Kalb. *Setaria viridis*, Rush. *Sorghastrum nutans*, Henry. *Lilium michiganense*, Wayne. *Quercus alba*, Pulaski. *Amaranthus spinosus*, Wells. *Caulophyllum thalictroides*, Rush. *Penthorum sedoides*, Pulaski. *Agrimonia parviflora*, Henry. *Epilobium coloratum*, Pulaski. *Desmodium sessilifolium*, Pulaski. *Thaspium barbinode*, Wayne. *Asclepias sullivantii*, Pulaski. *Viburnum dentatum* v. *deamii*, Henry. *Vernonia altissima*, Henry. *V. missurica*, Pulaski. *Eupatorium fistulosum*, Henry. *E. perfoliatum*, Henry. *Solidago nemoralis* v. *decemflora*, Pulaski. *Rudbeckia triloba*, Jefferson. *Erechtites hieracifolia*, Pulaski. *Cirsium muticum*, Henry.

#### DELETIONS

The following specimen reported in Records IV should be deleted: *Rhamnus lanceolata*, Jennings (B).

State Flora Committee:

Charles C. Deam, *Chairman*

T. G. Yuncker

Ray C. Friesner, *Secretary*.