

Indiana Plant Distribution Records, VIII. 1947

This is a continuation of the annual reports intended to keep Deam's "Flora of Indiana" up to date. The present report comprises two sections, viz. "Species," giving new county records with location of confirming specimens; and "Nomenclatorial Changes" in which an attempt is made, within the limits and in the spirit of conservative taxonomy to keep the "Flora" up to date in plant names.

Species

Genera are listed in the order used in the "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 and cases of doubt whether a species, 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 Teacher's College (BS): Mrs. Marion Rector; Butler University (B): Esther Bower, C. C. Deam, Ray C. Friesner, John E. Potzger and F. A. Swink; Chicago Natural History Museum (Field Museum) (F): H. H. Smith; Deam Herbarium (D): C. C. Deam, R. C. Friesner; Huntington College (Hu): Fred Loew; U. S. National Herbarium (N): H. W. Clark, J. E. Potzger, J. T. Scovell.

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.

Botrychium dissectum v. *obliquum*, Jennings (B). *Osmunda cinnamomea*, Delaware (BS). *Cystopteris fragilis* v. *protrusa*, Clay (B). *Pteretis pensylvanica* f. *pubescens*, Delaware (BS). *Dryopteris spinulosa*, Clay (B). *Athyrium angustum*, Clay (B). *Equisetum arvense*, Clay (B). *Juniperus virginiana* v. *crebra*, Franklin (B). *Potamogeton strictifolius* var. *rutiloides*, Kosciusko (D). *Alisma subcordatum*, Wayne (D).

Festuca elatior, De Kalb (B). *F. obtusa*, Clay (B), Union (B). *F. rubra*, Owen (B). *Bromus commutatus*, Brown (B), Orange (B). *B. inermis*, Franklin (B). *B. japonicus* Clay (B), Union (B). *B. latiglumis*, Clay (B). *B. secalinus*, Brown (B). *B. tectorum*, Union (B). *Poa chapmaniana*, Dubois (B), Jennings (B). *P. compressa*, Union (B). *P. trivialis*, De Kalb (D). *Eragrostis frankii*, Franklin (B). *E. spectabilis*, Franklin (B). *E. hypnoides*, Clark (D,B). *Diarrhena americana*, Franklin (B). *Dactylis glomerata*, Clay (B). *Melica nitens*, Crawford (D). *Agropyron repens*, Clay (B). *Elymus canadensis*, Clay (B). *E.*

riparius, Decatur (B). *E. villosus*, f. *arkansanus*, Clay (B). *E. v. v. australis*, Clay (B). *E. virginicus* v. *glabriflorus*, Hendricks (B).

Hystrix patula, Clay (B), Randolph (B,D), Union (B). *Hordeum jubatum*, Orange (B). *Sphenopholis nitida*, Clay (B). *S. obtusata*, Jasper (B). *Danthonia spicata*, Clay (B). *Agrostis alba*, Union (B). *A. perennans*, Decatur (B). *Phleum pratense*, Clay (B). *Muhlenbergia mexicana*, Gibson (B), White (B). *M. schreberi*, Daviess (B). *M. sylvatica*, Lake (B). *Sporobolus clandestinus*, White (B). *S. vaginiflorus*, Franklin (B). *Brachyelytrum erectum*, Clay (B), Orange (B). *Aristida dichotoma*, Clay (B). *A. longespica*, Ripley (B). *A. oligantha*, Franklin (B). *Leptochloa filiformis*, Clark (D,B). *Phalaris arundinacea*, Jasper (B).

Paspalum circulare, Ripley (B). *P. pubescens*, Franklin (B). *Panicum addisonii*, Lake (B). *P. agrostoides*, Ripley (B). *P. albemarlense*, Lake (B). *P. boscii*, Clay (B). *P. clandestinum*, Orange (B), Pulaski (D). *P. dichotomum*, Clay (B). *P. huachucae*, De Kalb (D), Lake (B), Orange (B), Union (B). *P. h. v. fasciculatum*, Clay (B). *P. latifolium*, Clay (B), Franklin (B). *P. ovale* Ell. Hitchcock, Grasses of United States, p. 639. Collected by J. E. Potzger and C. C. Deam. Jasper (B,D,N), Pulaski (D). *P. philadelphicum* Franklin (B). *P. sphaerocarpon*, Clay (B). *P. tennesseense*, Clay (B), Jasper (B), Putnam (B). *Echinochloa crus-galli*, Ripley (B). *Setaria viridis*, Clay (B). *Sorghum halepense*, Clark (D). *Sorghastrum nutans*, Franklin (B).

Scirpus subterminalis, Kosciusko (D), Marshall (N). *Carex grayii* v. *hispidula*, Adams (D). *C. intumescens* v. *fernaldii*, Fulton (D,B). *Arisaema atorubens*, Clay (B). *A. dracontium*, Clay (B). *Juncus biflorus*, Clay (B), Ohio (B). *J. tenuis*, Pulaski (D,B). *J. tenuis* v. *dudleyi*, Starke (D). *Allium canadense*, Clay (B), Delaware (BS). *Lilium michiganense*, Orange (B), Pulaski (D). *Asparagus officinalis*, Clay (B). *Smilacina racemosa* v. *cylindrata*, Clay (B). *S. r. v. typica*, Clay (B). *Maianthemum canadense* v. *interius*, Pulaski (D). *Trillium flexipes*, Delaware (BS). *Smilax ecirrhata*, Delaware (B). *Smilax herbacea* v. *lasioneura*, Clay (B). *S. hispida*, Clay (B). *Dioscorea quaternata*, Clay (B). *Cypripedium calceolus* v. *pubescens*, Dearborn (B), Franklin (B). *Habenaria lacera*, Monroe (B). *H. peramoena*, Clay (B). *Spiranthes cernua*, Daviess (D), Jennings (B). *Aplectrum hyemale*, Dearborn (B).

Populus deltoides, Clark (D), De Kalb (D). *P. heterophylla* (D,Hu). *Salix humilis*, Franklin (B). *Carya cordiformis*, Clay (B). *C. ovalis*, Clay (B). *C. ovata*, Clay (B). *Ostrya virginiana*, Clark (D). *O. v. f. glandulosa*, Clay (B). *Quercus alba*, Allen (D,B). *Q. jackiana*, Allen (D,B). *Celtis occidentalis* v. *crassifolia*, Gibson (B), Steuben (D). *Morus alba* v. *tatarica*, De Kalb (B). *Laportea canadensis*, Bartholomew (B), Clay (B). *Boehmeria cylindrica*, Bartholomew (B).

Asarum canadense, Clay (B). *Aristolochia serpentaria*, Clay (B). *Rumex acetosella*, Clay (B). *R. altissima*, Adams (D). *R. crispus*, Clay (B). *R. obtusifolius*, Clay (B). *R. orbiculatus*, Clay (B), Ripley (B).

Polygonum convolvulus, Clay (B). *P. dumetorum*, Clark (D). *P. laxiflorum* Weihe Rhodora 19: 133. 1917. Collected by Huron H. Smith. Madison (F). *P. neglectum*, Delaware (BS). *P. persicaria*, Delaware (BS). *P. scandens*, Steuben (D). *P. virginianum*, Clark (D), Clay (B), Delaware (BS). *Chenopodium album*, Union (B). *Amaranthus graecizans*, Steuben (D). *A. hybridus*, Steuben (D). *A. spinosus*, Clark (D), Franklin (B). *Oxybaphus nyctagineus*, Clay (B).

Claytonia virginica, Lake (B,D). *Cerastium vulgatum* v. *hirsutum* f. *glandulosum*, Clay (B), Delaware (BS). *Arenaria serpyllifolia*, Clay (B), Porter (B). *Spergularia rubra*, (L.) J. & C. Presl. Flora, p. 1045. Collected by C. C. Deam and R. C. Friesner. La Porte (B,D). *Silene antirrhina* Clay (B), Pulaski (D). *S. cserei*, Clay (B). *S. stellata*, Clay (B). *S. s. v. scabrella*, Clay (B). *Lychins alba*, Delaware (BS). *Saponaria officinalis*, Clay (B). *Hydrastis canadensis*, Clay (B), Delaware (BS). *Actaea pachypoda*, Clay (B). *Delphinium tricornes*, Delaware (BS). *Myosurus minimus*, Knox (B,D). *Ranunculus abortivus*, Dubois (B). *R. amëigens*, Wayne (D). *R. hispidus*, Gibson (B), Knox (B).

Podophyllum peltatum, Lake (D). *Menispermum canadense*, Delaware (BS). *Liriodendron tulipifera*, Clay (B). *Sassafras albidum*, Clay (B), De Kalb (D). *Lepidium campestre*, La Porte (B,D). *L. virginicum*, Delaware (BS). *Arabidopsis thaliana*, Jackson (B). *Brassica juncea*, Clay (B). *B. kaber* v. *pinnatifida*, Clay (B). *Barbarea vulgaris* v. *arcuata*, Clay (B), Harrison (B). *Iodanthus pinnatifidus*, Delaware (BS). *Cardamine douglassi*, Knox (B). *Rorippa sessiliflora*, Clark (D). *Camelina microcarpa*, Clay (B). *Draba reptans*, Jasper (B,D). *D. verna*, Jackson (B), Ripley (D). *Descurainia pinnata* v. *brachycarpa*, Delaware (BS). *Arabis hirsuta* v. *adpressipilis*, Pulaski (D,B). *A. laevigata*, De Kalb (D). *Berteroa incana*, De Kalb (D). *Polanisia graveolens*, Clay (B). *Grossularia missouriensis*, Fulton (D,B). *Heuchera americana* v. *brevipetala*, Clay (B).

Liquidambar styraciflua, Clay (B). *Hamamelis virginiana*, De Kalb (D). *Platanus occidentalis*, Clay (B). *Spiraea alba*, Clay (B). *Ame-lanchier arborea*, Clay (B), Franklin (B). *Rubus idaeus* v. *strigosus*, Lake (B,D). *R. occidentalis*, Clay (B). *R. pubescens*, Lake (D). *Fragaria virginiana* v. *illinoensis*, La Porte (D). *Potentilla monspeliensis*, Clay (B). *P. simplex* v. *calvescens* Fern. Rhodora 33: 189. Collected by C. C. Deam and R. C. Friesner. Cass (D), Fulton (D,B), Jasper (B,D), Pulaski (D). *P. s. v. typica*, Clay (B), Pulaski (D). *Agrimonia pubescens*, Wayne (D). *Agrimonia rostellata*, Clay (B). *A. pubescens*, Delaware (BS). *Rosa setigera*, Delaware (BS). *Prunus lanata*, Knox (B). *P. virginiana* f. *deamii*, Lake (B).

Cassia marilandica, Clay (B). *Gleditsia triacanthos*, Clark (D). *Medicago lupulina*, Clay (B), Delaware (BS). *Melilotus alba*, Clay (B). *Amorpha fruticosa* var. *angustifolia*, Clark (D,B). *Desmodium illenii*, Delaware (BS). *Lespedeza stipulacea*, Clay (B). *Amphicarpa bracteata* v. *comosa*, Clay (B), Delaware (BS). *Oxalis europaea* v. *bushii* f.

vestita, Delaware (B). *O. e. f. cymosa*, Clay (B), Delaware (BS). *O. e. v. villicaulis*, Delaware (BS). *O. repens*, Wells (D,B). *Evonymus obovatus*, Clay (B). *Staphylea trifolia*, Adams (D). *Acer negundo*, Steuben (D). *A. saccharinum*, Clark (D). *Impatiens biflora*, Delaware (BS). *Parthenocissus quinquefolia*, Delaware (B). *Hypericum gentianoides*, White (B). *H. punctatum*, Delaware (BS). *Viola arvensis*, (B,D). *V. cucullata*, Lake (D). *V. pedata v. lineariloba*, Harrison (B). *V. triloba*, Harrison (B).

Passiflora lutea v. glabrifolia, Clay (B). *Jussiaea decurrens*, Clark (D). *Epilobium coloratum*, Clay (B). *Circaea quadrisulcata v. canadensis*, Fulton (D). *Aralia hispida*, Pulaski (D). *Sanicula canadensis v. grandis*, Clay (B). *S. c. v. typica*, Clay (B), Delaware (BS). *S. gregaria*, Franklin (B). *Chaerophyllum procumbens*, Clay (B). *C. tainturieri*, Knox (B). *Osmorhiza longistylis*, Clay (B), Delaware (BS). *Torilis japonicus*, Clay (B). *Conium maculatum*, Franklin (B). *Taenidia integerrima*, Lake (B,D). *Thaspium barbinode*, Clay (B), Franklin (B). *T. trifoliatum v. flavum*, Adams (D). *Angelica atropurpurea*, De Kalb (D). *A. venenosa*, Franklin (B). *Pastinaca sativa*, Clay (B). *Heracleum lanatum*, De Kalb (B,D). *Daucus carota*, Clay (B). *Cornus alternifolia*, Clay (B). *C. florida*, Jasper (BD). *C. obliqua*, Adams (D), Pulaski (D). *C. racemosa*, Gibson (B). *Monotropa uniflora* Delaware (BS). *Fraxinus americana*, Allen (D). *F. pennsylvanica*, De Kalb (D). *F. tomentosa*, Adams (D,B). *Gentiana procera*, White (D).

Apocynum cannabinum, Clay (B). *A. c. v. glaberrimum*, Clay (B). *Asclepias phytolaccoides*, Clay (B). *A. tuberosa ssp. interior*, Bartholomew (B), Cass (B), Clay (B), Delaware (B), Elkhart (B), Floyd (B) Fulton (B), Knox (B), Lagrange (B), La Porte (B), Miami (B), Newton (B), Noble (B), Owen (B), Parke (B), Porter (B), Pulaski (B), Starke (B), Steuben (B), Tipton (B), Warren (B), Washington (B), White (B). *A. t. ssp. tuberosa* Bartholomew (B), Franklin (B), Harrison (B).

Ipomoea lacunosa, Decatur (B). *Phlox maculata*, Jasper (B). *P. pilosa*, Franklin (B). *Lappula echinata*, Putnam (B). *Hackelia virginiana*, Clay (B), Pulaski (D). *Myosotis scorpioides*, Lake (B). *M. verna*, De Kalb (B). *Mertensia virginica*, Harrison (B). *Lithospermum canescens*, Franklin (B). *Verbena hastata*, Clay (B). *V. simplex*, Hancock (B). *Teucrium canadense*, De Kalb (D). *Scutellaria parvula v. leonardi*, Lake (D,B). *Marrubium vulgare*, Franklin (B). *Agastache nepetoides*, De Kalb (D). *A. scrophulariaefolia*, Delaware (BS). *Prunella vulgaris v. lanceolata*, Delaware (BS). *Physostegia virginiana*, Franklin (B). *Lamium amplexicaule*, Jackson (B). *Leonurus cardiaca*, Adams (D), De Kalb (D), Delaware (BS). *Monarda fistulosa v. mollis*, Clay (B). *Blephilia hirsuta*, Clay (B). *Lycopus rubellus*, Adams (D), Delaware (BS). *Mentha arvensis*, Jennings (B).

Solanum carolinense, Pulaski (D). *S. dulcamara*, Pulaski (D). *S. nigrum*, Delaware (BS). *Verbascum thapsus*, Clay (B). *Chelone glabra, v. elatior*, Jennings (B). *C. obliqua v. speciosa*, Allen (D,B),

Lake (D). *Penstemon calycosus* Clay (B). *Veronica arvensis*, Clay (B), Delaware (BS). *V. peregrina* v. *typica*, Clay (B). *Castilleja coccinea*, Franklin (B). *Pedicularis canadensis* v. *dobsii*, Crawford (D). *Epifagus virginiana*, Adams (D), Clay (B). *Utricularia gibba*, Lawrence (D,B). *Phryma leptostachya*, Clay (B), Delaware (BS). *Plantago virginica*, Clay (B). *Galium aparine*, Clay (B). *G. ciraezans* v. *hypomalacum*, Clay (B). *G. concinnum*, Clay (B), Delaware (BS). *G. obtusum*, Clay (B). *G. triflorum*, Delaware (BS). *Viburnum lentago*, Delaware (BS). *V. molle*, Franklin (B). *V. prunifolium*, Clay (B). *V. rufidulum*, Franklin (B). *Triosteum aurantiacum*, Delaware (BS). *Cucurbita foetidissima*, Putnam (B). *Campanula americana*, Delaware (BS). *Specularia perfoliata*, Clay (B), Pulaski (B). *Lobelia siphilitica*, Delaware (BS). *L. spicata* v. *leptostachys*, Franklin (B).

Eupatorium fistulosum, Lagrange (D,B). *E. purpureum* Delaware (BS). *Kuhnia eupatorioides* v. *pyramidalis*, Franklin (B). *Solidago gigantea* v. *leiophylla*, Clay (B). *S. patula*, Clay (B). *S. rigida*, Franklin (B). *S. rugosa*, Clay (B), White (D). *S. speciosa*, Franklin (B). *S. ulmifolia*, Franklin (B). *Aster cordifolius*, Clay (B), Delaware (BS). *A. laevis*, Franklin (B). *A. lateriflorus*, Delaware (BS). *A. macrophyllus*, v. *ianthus*, Franklin (B). *A. paniculatus* v. *simplex*, Daviess (B), Union (B). *A. patens* v. *phlogifolius* Nees, Gray Man. 7 ed. p. 807. Franklin (B,D). Collected by R. C. Friesner. *A. pilosus*, Wells (D). *A. puniceus*, Randolph (B). *A. sagittifolius*, Carroll (B), Union (B). *Erigeron annuus*, Clay (B), Delaware (BS). *E. pulchellus*, De Kalb (D). *E. strigosus*, Clay (B), Delaware (BS), White (D).

Antennaria fallax v. *calophylla* Lake (B,D). *Silphium integrifolium*, Clay (B). *Silphium terebinthinaceum*, Franklin (B). *Iva xanthifolia* Nutt. Gray Man. 7 ed. p. 827. Lake (B). Collected by Floyd A. Swink and R. C. Friesner. *Ambrosia coronopifolia*, Steuben (D,B). *A. elatior*, Clark (D), Clay (B), Delaware (BS), Jennings (B). *A. trifida*, Clark (D), Clay (B). *Helianthus decapetalus*, Clay (B), Delaware (BS). *H. hirsutus*, Delaware (BS). *Actinomeris alternifolia*, Clark (D). *Coreopsis tripteris*, Franklin (B). *Bidens frondosa*, Clay (B). *Galinsoga ciliata*, Allen (D,B). *Helenium autumnale*, Bartholomew (B). *Anthemis cotula*, Clay (B). *Achillea millefolium*, Clay (B). *Matricaria chamomilla* L. Gray Man. 7 ed. p. 847. Dubois (B). Collected by R. C. Friesner. *Chrysanthemum leucanthemum* v. *pinnatifidum*, Clay (B). *Artemisia annua*, Franklin (B). *A. biennis*, Putnam (B).

Carduus nutans, Allen (D). *Cirsium altissimum*, Franklin (B). *C. discolor*, Clay (B). *C. vulgare*, Delaware (BS). *Centaurea vochinensis*, Franklin (B). *Tragopogon dubius*, Clay (B), Franklin (B), Putnam (B). *T. pratensis*, Rush (B). *Lactuca biennis* f. *integrifolia*, Steuben (D). *L. canadensis* v. *latifolia*, Clay (B), Hamilton (B). *L. c.* v. *typica*, Hamilton (B). *L. floridana*, Delaware (BS). *L. saligna*, Jennings (B). *L. scariola*, Clay (B). *L. s.* v. *integrata*, Hamilton (B). *L. villosa*, Clay (B), Owen (B). *Prenanthes altissima*, Bartholomew (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.

Osmunda cinnamomea, Pulaski. *Bromus tectorum*, De Kalb. *Poa chapmaniana*, Knox. *Phalaris arundinacea*, Porter. *Smilax herbacea* v. *lasioneura*, De Kalb. *Dioscorea villosa*, Fulton. *Populus grandidentata*, Huntington. *Polygonum pennsylvanicum* v. *geniunum*, Clark. *Fagopyrum esculentum*, Pulaski. *Silene antirrhina*, Jasper. *Lepidium campestre*, Jasper. *Potentilla monspeliensis*, Wayne. *Prunus lanata*, Harrison. *P. pumila*, Jasper. *Geranium carolinianum*, Jasper. *Acer rubrum*, De Kalb. *Lysimachia ciliata*, Randolph. *L. lanceolata*, Jasper. *Gentiana andrewsii*, Newton. *Asclepias syriaca*, Pulaski. *Ampelamus albidus*, Clark. *Linaria canadensis*, Lake. *Veronica peregrina* v. *xalapensis*, Gibson. *Ambrosia trifida*, Newton. *Xanthium pennsylvanicum*, Porter.

Nomenclatorial Changes

- Cyperus pseudovegetus Steud. to
 C. virens Michx.
 Rhodora 47: 109-110. 1945.
- Nelumbo pentapetala (Walt.) Fern. to
 N. lutea (Willd.) Pers.
 Phytologia 2:205-206. 1947.
- Arabis pycnocarpa Hopkins to
 A. hirsuta var. *pycnocarpa* (Hopkins) Rollins
 Rhodora 43: 318-319. 1941.
- Arabis pycnocarpa var. adpressipilis Hopkins to
 A. hirsuta var. *adpressipilis* (Hopkins) Rollins
 Rhodora 43: 319. 1941.
- Amelanchier canadensis (L.) Medic. to
 A. arborea (Michx. f.) Fern.
 Rhodora 43: 563. 1941.
 Illinois Biol. Monog. 20: 1-126. 1946.
- Lathyrus japonicus var. glaber (Ser.) Fern. to
 L. maritimus (L.) Bigel.
 Phytologia 2: 209-212. 1947.
- Parthenocissus inserta (Kerner) Fritsch to
 P. vitacea (Knerr) Hitchc.
 Phytologia 2: 204-205, 1947.
- Rhus copallina var. latifolia DC to
 R. copallina var. *latifolia* Engler
 Indiana Acad. Sci. Proc. 55: 61. 1946.
 Rhodora 37: 167-168. 1935.
- Lycopus americana var. longii Benner to
 L. americanus var. *scabrifolius* Fern.
 Rhodora 47: 180-181. 1945.

State Flora Committee:

CHARLES C. DEAM, *Chairman.*
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