

## Indiana Plant Distribution Records, IV. 1943

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This is a continuation of the series of annual reports of new distribution records intended to keep Deam's "Flora of Indiana" up to date. The report is given in three sections, viz. "SPECIES," giving new county records with the location of confirming specimens; "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; a "DELETIONS" in which known previous errors are corrected.

### SPECIES

Genera are listed in the order used in the "Flora" and species are given in alphabetical order within the genera. Symbols following the counties indicate the herbaria where specimens have been deposited. Species, varieties or forms new for the state are given in bold face type and these together with name changes are followed by literature references. Cases of doubt whether the species will become a part of the state flora are preceded by an asterisk.

The specimens listed have been collected by the following collectors:— Butler University (B): Charles C. Deam, Charles M. Ek, W. J. Emerson, Ray C. Friesner, Scott McCoy and J. E. Potzger; Deam Herbarium (D): Charles C. Deam, W. J. Emerson and Ray C. Friesner; DePauw University (DP): Winona H. Welch; Franklin College (Fr): Naomi Mullendore; Gray Herbarium (G): Charles C. Deam; Huntington College (Hu): Fred A. Loew; Indiana University (IU): Ruth M. Baker, Mary Everly, Bette Lutes and LaVerne Schachtsiek; U. S. National Herbarium (N); J. T. Scovell and B. W. Evermann.

Other symbols used are: (F) Field Museum, (C) University of California, (Go) Goshen College, (W) Wisconsin.

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* var. *obliquum*, Hendricks (B). *Onoclea sensibilis*, Huntington (Hu). *Asplenium platyneuron*, Elkhart (B). *Equisetum arvense*, Carroll (B). *Selaginella rupestris*, Lagrange (D,B). *Typha angustifolia*, Rush (B). *Potamogeton gramineus* var. **myriophyllus** Robbins, Porter (F). *Rhodora* 45: 150. 1943. *P. g.* var. *typicus* Ogden, Lake (C, F, G, N), Marshall (N) *Rhodora* 45: 145. 1943. *P. gramineus* X *illinoensis* Ogden, Fulton (G), Kosciusko (N), Marshall (N), Steuben (G). *Rhodora* 45: 188. 1943. *P. nodosus* Poir. (*P. americanus*), Pulaski (DP). *Anacharis canadensis*, Hendricks (B).

*Festuca elatior*, Rush (B), Shelby (B). *F. obtusa*, Rush (B). *Bromus commutatus*, Carroll (B), Clinton (B), Hamilton (B), Rush (B), Shelby (B). *B. inermis*, Hamilton (B), Madison (B). *B. japonicus*, Hamilton (B), Madison (B), Owen (B). *B. latiglumis*, Hendricks (B). *B. setcalinus*, Hamilton (B), Rush (B), Shelby (B). *B. tectorum*, Clinton (B), Hamilton (B), Jennings (B), Madison (B), Shelby (B). *Glyceria striata*, Rush (B). *Poa annua*, Tipton (B). *P. compressa*, Owen (B), Rush (B), Shelby (B), *P. pratensis*, Carroll (B), Rush (B), Shelby (B). *P. sylvestris*, Shelby (B), Rush (B), Tipton (B).

*Eragrostis cilianensis*, Rush (B). *E. frankii*, Boone (B), Rush (B). *E. hypnoides*, Boone (B). *E. pectinacea*, Rush (B). *E. spectabilis*, Boone (B), Hendricks (B). *Diarrhena americana*, Marion (B). *Dactylis glomerata*, Hamilton (B), Shelby (B), Tipton (B). *Triodia flava*, Boone (B), Fayette (B), Rush (B). *Agropyron smithii*, Morgan (B), Shelby (B). *Elymus villosus* f. *arkansanus*, Boone (B). *Hordeum jubatum*, Shelby (B). *Sphenopholis intermedia*, Rush (B). *Alopecurus carolinianus*, Carroll (B), Monroe (IU). *Agrostis alba*, Bartholomew (B). *A. hiemalis*, Madison (B), Shelby (B). *A. perennans*, Hendricks (B), Rush (B). *Cinna arundinacea*, Boone (B), Hendricks (B). *Phleum pratense*, Rush (B), Shelby (B), Tipton (B). *Muhlenbergia frondosa* (Poir.) Fern. (*M. mexicana* of Flora) Rhodora 45: 235. 1943. Shelby (B). *M. f. forma commutata*, Kosciusko (IU). *M. schreberi*, Rush (B), Shelby (B). *M. tenuiflora*, Hendricks (B). *Sporobolus asper*, Hendricks (B), Rush (B). *S. neglectus*, Boone (B), Hendricks (B), Marion (B), Rush (B). *S. vaginaeflorus*, Boone (B), Hendricks (B), Rush (B).

*Brachyelytrum erectum*, Marion (B). *Aristida oligantha*, Boone (B). *A. purpurascens*, Kosciusko (IU). *Spartina pectinata*, Morgan (B). *Eleusine indica*, Huntington (Hu). *Phalaris arundinacea*, Carroll (B), Hamilton (B). *Leersia oryzoides*, Shelby (B). *Digitaria ischaemum*, Hendricks (B), Kosciusko (IU), Rush (B). *D. sanguinalis*, Rush (B), Shelby (B). *Leptoloma cognatum*, Boone (B). *Panicum capillare*, Hendricks (B). *P. commutatum*, Bartholomew (B). *P. dichotomiflorum*, Boone (B), Fayette (B), Hendricks (B), Rush (B), Shelby (B). *P. gattingeri*, Boone (B), Fayette (B), Rush (B), Shelby (B). *P. latifolium*, Bartholomew (B). *P. lindheimeri*, Cass (D), Steuben (B, D). *P. linearifolium*, Morgan (B). *P. l. var. werneri*, Morgan (B). *P. philadelphicum*, Boone (B). *P. virgatum*, Hendricks (B). *Echinochloa crusgalli*, Rush (B), Shelby (B). *Setaria italica*, Fayette (B). *S. lutescens*, Fayette (B), Putnam (B), Rush (B). *S. viridis*, Rush (B). *Andropogon gerardi* Vitman (A. furcatus of Flora) Rhodora 45: 258. 1943. Hendricks (B), Marion (B). *A. scoparius*, Hendricks (B), Marion (B). *Sorghum halepense*, Putnam (B), Rush (B). *Sorghastrum nutans*, Hendricks (B).

*Cyperus filiculmis*, Madison (B). *C. schweinitzii*, Howard (B), Starke (B). *Scirpus smithii* f. *setosus* Fern. Rhodora 44: 479. 1942. Steuben (D). *Eleocharis calva*, Clinton (B), Elkhart (B), Hendricks (B). *E. intermedia*, Miami (B). *E. olivacea*, Elkhart (B). *E. smallii*, Howard (B).

*Carex albursina*, Jennings (B). *C. amphibola*, Jennings (B). *C. bebbii*, Tippecanoe (B). *C. brevior*, Hancock (B), Jackson (B), Jennings (B), Marion (B). *C. bushii*, Jennings (B). *C. cephalophora*, Hendricks (B). *C. conjuncta*, Jennings (B), Marion (B). *C. convoluta*, Marion (B). *C. cristatella*, Cass (B), Tipton (B). *C. davisii*, Hancock (B). *C. debilis*, Jennings (B). *C. festucacea*, Hendricks (B), Jennings (B), Marion (B). *C. granularis*, Jackson (B), Tippecanoe (B). *C. gravida* var. *lunelliana*, Tippecanoe (B). *C. grayii*, segregation of the variety *hispidula* leaves the following counties for the species: Adams (D), Carroll (B, D), Cass (D), Clinton (D), Delaware (D), Elkhart (D), Gibson (D), Grant (D), Howard (B, D), Kosciusko (D), Lagrange (B, D), Marion (D), Marshall (D, W), Miami (D), Montgomery (D, W), Newton (DP), Noble (D), Putnam (DP), Rush (D), St. Joseph (D), Steuben (D), Tippecanoe (D), Wabash (D), Wells (D), White (D), Whitley (D). *C. g.* var. *hispidula*, Allen (D), Bartholomew (D), Blackford (D), Clay (D), Daviess (D), DeKalb (D), Dubois (D), Fayette (D), Fountain (D, W), Grant (B), Greene (D), Hamilton (D), Hancock (D), Hendricks (D), Henry (D), Howard (B), Huntington (D), Jackson (B, D), Jay (D), Lawrence (D), Marion (B), Miami (B), Montgomery (W), Posey (D), Putnam (DP, W), Ripley (D), Scott (D), Shelby (B), Spencer (D), Vanderburgh (D), Warrick (D), Washington (D).

*Carex grisea*, Hendricks (B). *C. hirtifolia*, Hendricks (B). *C. hirsutella*, Jennings (B). *C. hitchcockiana*, Hancock (B). *C. lacustris*, Clinton (B). *C. lanuginosa*, Jennings (B). *C. lasiocarpa* var. *americana*, Elkhart (B). *C. laxiflora*, Hancock (B), Hendricks (B). *C. leavenworthii*, Jennings (B). *C. normalis*, Clinton (B). *C. oligocarpa*, Hancock (B). *C. prairea*, Elkhart (B). *C. rosea*, Jackson (B). *C. scoparia*, Hamilton (B). *C. sparganioides*, Boone (B), Hancock (B), Jackson (B). *C. stipata*, Jennings (B). *C. swanii*, Jennings (B). *C. tenera*, Elkhart (B), Jackson (B). *C. trichocarpa*, Howard (B). *C. virescens*, Jennings (B).

*Arisaema atrorubens*, Hendricks (B). *A. a. f. viride*, Hendricks (B), Marion (B). *A. a. f. zebrina*, Marion (B). *A. dracontium*, Madison (B), Shelby (B). *Commelina communis*, Carroll (B). *Tradescantia subaspera* var. *typica*, Hancock (B). *Juncus canadensis*, Hamilton (B), Putnam (B). *J. dudleyi*, Boone (B). *J. macer*, Boone (B), Hamilton (B). *J. torreyi*, Hendricks (B). *Uvularia grandiflora*, Shelby (B). *Allium canadense*, Madison (B), Shelby (B). *A. tricoccum*, Hendricks (B). *Lilium canadense* var. *editorum* Fernald. *Rhodora* 45: 393-395. 1943. Dearborn (D), Franklin (D). *Erythronium americanum*, Huntington (Hu). *Ornithogalum nutans* L. Gray Man. 7 ed., p. 290. Elkhart (B, D, Go). *Camassia scilloides*, Vigo (N). *Smilacina racemosa* var. *cylindrata*, Rush (B), Shelby (B). *Polygonatum biflorum*, Ohio (B), Ripley (B). *P. canaliculatum*, Carroll (B), De Kalb (B), Hendricks (B), Henry (B), Howard (B), Knox (B), Marion (B), Ohio (B), Owen (B), Parke (B). *Trillium grandiflorum*, Huntington (Hu). *Smilax ecirrhata*, Shelby (B). *S. herbacea*, Carroll (B), Tipton (B). *S. h.* var. *lasioneura*,

Carroll (B). *S. hispida*, Rush (B). *S. rotundifolia*, Rush (B). *Dioscorea villosa*, Rush (B), Tipton (B). *Sisyrinchium albidum*, Jackson (IU). *Spiranthes cernua*, Hendricks (B). *Liparis liliifolia*, Hendricks (B), Marion (B).

*Populus deltoides*, Hendricks (B). *P. tremuloides*, Huntington (Hu), *Salix cordata*, Boone (B). *S. discolor*, Huntington (Hu). *Juglans cinerea*, Huntington (Hu). *Carya cordiformis*, Tipton (B). *C. laciniosa*, Tipton (B). *Ostrya virginiana*, Huntington (Hu). *O. v. forma glandulosa*, Tipton (B). *Fagus grandifolia*, Huntington (Hu.) *Quercus alba*, Hendricks (B). *Q. bicolor*, Huntington (Hu). *Q. borealis* var. *maxima*, Huntington (Hu). *Q. imbricaria*, Blackford (D). *Q. macrocarpa*, Huntington (Hu). *Q. muhlenbergii*, Blackford (D). *Q. palustris*, Huntington (Hu). *Q. velutina*, Huntington (Hu). *Ulmus americana*, Huntington (Hu). *Celtis occidentalis* var. *crassifolia*, Rush (B). *Humulus americanus*, Boone (B). *Cannabis sativa*, Starke (IU). *Urtica procera*, Carroll (B). *Laportea canadensis*, Rush (B). *Pilea pumila*, Hendricks (B). *Boehmeria cylindrica*, Marion (B), Rush (B). *Parietaria pennsylvanica*, Madison (B). *Asarum reflexum*, Rush (B). *Aristolochia serpentaria*, Hamilton (B). *Rumex crispus*, Madison (B). *R. obtusifolius*, Cass (B). *Polygonum aviculare*, Howard (B). *P. convolvulus*, Carroll (B). *P. hydropiper* var. *projectum*, Rush (B). *P. hydropiperoides*, Boone (B). *P. neglectum*, Porter (B). *P. pennsylvanicum* var. *laevigatum*, Hendricks (B), Rush (B). *P. p.* var. *l. f. pallescens*, Boone (B). *P. persicaria*, La Porte (B), Rush (B). *P. punctatum*, Hendricks (B). *P. sagittatum*, Marshall (IU). *P. scandens*, Hendricks (B). *P. virginianum*, Hendricks (B).

*Chenopodium album*, Cass (B), Miami (B). *C. ambrosioides* ssp. *euambrosioides*, Brown (B), Marion (B). *C. berlandieri*, Hamilton (B), Miami (B). *C. gigantospermum*, Starke (D). *C. pratericola*, Jasper (B). *C. standleyanum*, Kosciusko (D). *Cycloloma atriplicifolium*, Fulton (D), Owen (IU). *Atriplex patula* var. *hastata*, Blackford (D). *A. p.* var. *littoralis*, Allen (D), Jay (D), Wells (D), White (D). *Amaranthus blitoides*, Porter (B). *Acnida altissima*, Hendricks (B), Marion (B), Rush (B). *Oxybaphus nyctagineus*, Huntington (Hu). *Mollugo verticillata*, Marion (B), Huntington (Hu), Rush (B). *Arenaria serpyllifolia*, Carroll (B), Madison (B). \**Spergularia rubra*, Tippecanoe (B). *Agrostemma githago*, Hamilton (B). *Silene antirrhina*, Carroll (B), Jennings (B), Madison (B), Shelby (B). *S. cserei*, Carroll (B), Morgan (B). *Saponaria officinalis*, Fayette (B), Huntington (Hu).

*Cimicifuga racemosa*, Bartholomew (B). *Anemone virginiana*, Hendricks (B). *Hepatica acutiloba*, Huntington (Hu). *Clematis pitcheri*, Daviess (N), Vigo (N), Warren (N). Ann. Missouri Bot. Garden 30: 26. 1943. *Ranunculus abortivus*, Tipton (B). *R. septentrionalis*, Elkhart (B). *Thalictrum dasycarpum*, Shelby (B). *T. revolutum*, Madison (B). *Menispermum canadense*, Rush (B), Tipton (B). *Asimina triloba*, Rush (B). *Sassafras albidum* var. *mollis*, Tipton (B). *Lindera benzoin*, Huntington (Hu). *Lepidium campestre*, Carroll (B), Clinton (B),

Hamilton (B). *L. virginicum*, Carroll (B), Clay (B), Hamilton (B), Madison (B), Shelby (B). *Thlaspi arvense*, Carroll (B), Hamilton (B), Tipton (B). *Sisymbrium altissimum*, Hamilton (B). *S. officinale*, Marion (B). *Barbarea vulgaris*, Madison (B), Tipton (B). *Iodanthus pinnatifidus*, Tipton (B). *Rorippa islandica* var. *microcarpa*, Carroll (B). *R. sylvestris*, Carroll (B). *Capsella bursa-pastoris*, Rush (B). *Camelina microcarpa*, Tipton (B). *Descurainia pinnata* var. *brachycarpa*, Tipton (B). *Hesperis matronalis*, Hamilton (B). *Polanisia graveolens*, Hendricks (B), Owen (IU), Rush (B). *Liquidambar styraciflua*, Rush (B). *Platanus occidentalis*, Noble (D).

*Crataegus crus-galli*, Boone (B). *Crataegus mollis*, Elkhart (B), Hamilton (B). *Rubus allegheniensis*, Bartholomew (B). *R. flagellaris*, Huntington (Hu). *R. frondosus*, Huntington (Hu). *R. occidentalis*, Huntington (Hu). *Potentilla arguta*, Morgan (B). *P. intermedia* L. Gray Man. 7ed., p. 482. Carroll (B, D), Marion (B, D). *P. monspeliensis*, Madison (B), Rush (B). *P. recta*, Hamilton (B). *Geum laciniatum*, Madison (B), Shelby (B). *G. l.* var. *trichocarpum*, Madison (B), Tipton (B). *Agrimonia pubescens*, Hendricks (B). *Rosa carolina*, Morgan (B). *R. setigera*, Madison (B). *Prunus americana*, Huntington (Hu).

*Desmanthus illinoensis*, Hendricks (B). *Cercis canadensis*, Tipton (B). *Cassia hebecarpa*, Huntington (Hu). *Gleditsia triacanthos*, Huntington (Hu). *Baptisia leucantha*, Bartholomew (B). *Medicago lupulina*, Carroll (B). *M. sativa*, Carroll (B). *Melilotus alba*, Carroll (B), Madison (B). *M. officinalis*, Clinton (B), Madison (B), Shelby (B). *Trifolium agrarium*, Brown (B). *T. hybridum*, Bartholomew (B), Howard (B), Jennings (B), Lawrence (D), Ohio (B), Tippecanoe (D), Tipton (B), Wells (D). *T. h.* var. *elegans* (Savi) Boiss. *Rhodora* 45: 331. 1943. Carroll (B), Hendricks (B), Marion (B), Wells (D). *Trifolium pratense*, Fayette (B). *Coronilla varia*, Boone (B). *Desmodium bracteosum* var. *longifolium*, Howard (B). *Strophostyles helveola*, Hendricks (B), Rush (B).

*Geranium carolinianum*, Clinton (B). *G. maculatum*, Huntington (Hu). X *Rhus pulvinata*, Elkhart (B). *Staphylea trifolia*, Elkhart (B). *Phaseolus polystachios*, Posey (D). *P. p.* var. *aquilonius* Fern. *Rhodora* 44: 418. 1942. Harrison (D). *Oxalis europaea*, Tipton (B). *O. e. f. cymosa*, Marion (B), Rush (B). *O. stricta*, Carroll (B), Elkhart (B), Hamilton (B), Rush (B). *Zanthoxylum americanum*, Rush (B). *Polygala verticillata*, Clay (B). *P. v.* var. *sphenostachya*, Kosciusko (IU). *Acalypha rhomboidea*, Hendricks (B). *A. ostryaefolia*, Monroe (IU), Owen (IU). *Euphorbia dentata*, Fayette (B). *E. maculata*, Rush (B). *E. supina*, Hendricks (B), Rush (B).

*Evonymus atropurpureus*, Rush (B), Tipton (B). *Celastrus scandens*, Kosciusko (IU). *Acer negundo*, Kosciusko (IU). *Impatiens biflora*, Rush (B). *Rhamnus lanceolata*, Jennings (B). *Vitis vulpina*, Huntington (Hu). *Tilia americana*, Huntington (Hu), Tipton (B). *Malva neglecta*, Huntington (Hu), Madison (B). \**Callirhoe involucrata* (T. & G.) Gray, Jackson (IU). Gray Man. 7ed., p. 568. *Sida spinosa*, Hendricks (B).

*Hibiscus trionum*, Fayette (B), Huntington (Hu). *Hypericum perforatum*, Clay (B). *H. sphaerocarpum*, Miami (B). *Viola eriocarpa* f. *leiocarpa*, Marion (B). *V. kitaibeliana* var. *rafinesquii*, Floyd (Fr). *Lythrum alatum*, Boone (B). *Ludwigia palustris* var. *americanum*, Marion (B). *Epilobium coloratum*, Rush (B). *Oenothera laciniata*, Owen (IU). *Oe. pycnocarpa*, Rush (B). *Oe. speciosa*, Owen (IU). *Gaura biennis*, Brown (Fr), Greene (IU). *Sanicula canadensis* var. *typica*, Madison (B), Rush (B). *S. gregaria*, Shelby (B). *Osmorrhiza longistylis*, Huntington (Hu), Shelby (B). *Conium maculatum*, Carroll (B). *Pastinaca sativa*, Fayette (B). *Sium suave*, Huntington (Hu). *Daucus carota*, Kosciusko (IU), Rush (B). *Cornus racemosa*, Hamilton (B).

*Lysimachia ciliata*, Madison (B). *Fraxinus americana*, Huntington (Hu), Rush (B). *F. lanceolata*, Shelby (B). *Gentiana andrewsii*, Huntington (Hu). *Apocynum cannabinum*, Rush (B). *A. c. var. pubescens*, Madison (B). *A. sibiricum*, Marion (B). *Asclepias syriaca*, Madison (B), Rush (B). *Cuscuta cephalanthi*, Cass (DP, B), Clinton (DP, B). *C. polygonorum*, Hamilton (DP, B). *Convolvulus sepium* var. *americanum*, Tipton (B). *Ipomopsis rubra*, Jackson (IU). *Lithospermum arvense*, Tipton (B). *Verbena urticaefolia*, Tippecanoe (B). *Hydrophyllum canadense*, Huntington (Hu). *H. macrophyllum*, Rush (B). *H. virginianum*, Huntington (Hu).

*Teucrium canadense* var. *virginicum*, Rush (B). *Isanthus brachiatus*, Boone (B), Rush (B). *Scutellaria galericulata*, Johnson (Wi), Floyd (D). *S. incana*, Bartholomew (B). *S. lateriflora*, Delaware (D), Franklin (D). *Scutellaria ovata* ssp. *pseudovenosa* Epling. Univ. California Pub. Bot. 20: 56. 1943. Marion (C), Dearborn (B). *S. o. var. versicolor* (Nutt.) Fern. Rhodora 44: 432. 1942. Univ. California Pub. Bot. 20: 52. 1942. Delaware (C), Marion (B), Morgan (B), Switzerland (B). *S. parvula*, White (B). *Leonurus cardiaca*, La Porte (B). *Stachys hispida*, Huntington (Hu), Madison (B). *S. palustris* var. *homotrichia*, Newton (B). *Hedeoma pulegioides*, Hendricks (B), Huntington (Hu), Rush (B). *Lycopus rubellus*, Hamilton (B), Rush (B). *L. uniflorus*, Boone (B), Hamilton (B). *Mentha arvensis*, Boone (B). *M. longifolia* var. *mollissima*, Miami (B). *Collinsonia canadensis*, Hendricks (B), Rush (B).

*Physalis ambigua*, Porter (B). *P. heterophylla*, Fayette (B), Hendricks (B), Marion (B), Rush (B). *P. subglabrata*, Rush (B). *Solanum carolinense*, Rush (B). *S. nigrum*, Brown (B). *Datura stramonium*, Hendricks (B). *Chaenorrhinum minus*, Madison (B). *Chelone glabra* var. *linifolia*, Rush (B). *C. g.* var. *typica*, Kosciusko (IU). *Penstemon canescens*, Hamilton (B). *Gratiola neglecta*, Clay (B). Rush (B). *Leucospora multifida*, Hendricks (B). *Pedicularis lanceolata*, Huntington (Hu). *Lindernia dubia* (L. d. var. major of Flora), Boone (B), Clay (B). *Veronica arvensis*, Tipton (B). *V. officinalis*, Owen (B). *V. peregrina* var. *typica*, Carroll (B), Rush (B), Tipton (B). *Gerardia*

*paupercula* var. *typica*, Hamilton (B). *G. p.* var. *borealis*, Elkhart (B). *Aureolaria virginica*, Elkhart (B). *Campsis radicans*, Kosciusko (IU). *Epifagus virginiana*, Rush (B). *Plantago rugelii*, Marion (B). *Galium concinnum*, Carroll (B), Rush (B). *G. obtusum*, Rush (B). \**G. verum*, White (D, B), Kosciusko (D). *Sambucus canadensis*, Clinton (B), Madison (B). *Viburnum affine*, Huntington (Hu). *V. dentatum* var. *deamii* (Rehd.) Fern. Owen (IU). *Rhodora* 43: 649. 1941. *V. lentago*, Huntington (Hu). *Triosteum aurantiacum*, Elkhart (B). *Dipsacus sylvester*, Hendricks (B). *Lobelia cardinalis*, Rush (B). *L. inflata*, Hendricks (B). *L. siphilitica*, Rush (B).

*Vernonia altissima*, Fayette (B). *Eupatorium serotinum*, Hendricks (B), Marion (B), Rush (B). *Liatris spicata*, Bartholomew (B). *Solidago altissima*, Rush (B). *S. caesia*, Hendricks (B), Rush (B). *S. gigantea*, Hendricks (B). *S. g.* var. *leiophylla*, Boone (B), Rush (B). *S. graminifolia* var. *nuttallii*, Hendricks (B). *S. latifolia*, Rush (B). *S. nemoralis*, Hendricks (B), Rush (B). *S. ulmicea* Friesner. Butler Univ. Bot. Stud. 6: 82-83. 1943. Elkhart (D, B). *Aster cordifolius*, Rush (B), Huntington (Hu). *A. ericoides* var. *prostratus*, La Porte (B). *A. paniculatus*, La Porte (B). *A. pilosus*, Fayette (B), La Porte (B), Rush (B).

*Erigeron annuus*, Clinton (B), Madison (B). *E. canadensis*, Boone (B), Fayette (B), Hendricks (B), Marion (B), Rush (B). *Antennaria neodioica*, Elkhart (B), Jennings (B). *Gnaphalium purpureum*, Clay (B). *Ambrosia elatior*, Elkhart (D), Fayette (B), Hendricks (B), Rush (B). *A. trifida*, Boone (B), Clinton (B), Fayette (B), Hendricks (B), Rush (B). *Eclipta alba*, Hendricks (B). *Helianthus decapetalus*, Hendricks (B). *H. grosseserratus*, Boone (B), Marion (B). *H. tuberosus*, Hendricks (B), Marion (B). *Actinomeris alternifolia*, Boone (B), Hendricks (B). *Bidens bipinnata*, Boone (B), Hendricks (B), Rush (B). *B. cernua*, Rush (B). *B. vulgata*, Porter (B), Rush (B). *Galinsoga parviflora* Cav. Gray Man. 7ed., p. 843. Fayette (B), Huntington (D), Rush (D).

*Anthemis cotula*, Fayette (B). *Achillea millefolium*, Madison (B). *Matricaria matricarioides*, Marion (IU), Rush (B), Shelby (B, IU), Tipton (B). *Artemisia annua*, Boone (B). *Erechtites hieracifolia*, Rush (B). *Cacalia atriplicifolia*, Marion (B). *Senecio aureus*, Jackson (B). *Arctium minus* f. *laciniatum* Clute. Plant World 12: 135-138. 1909. Parke ( ). *Cirsium discolor*, Boone (B), Fayette (B), Hendricks (B). *Cichorium intybus*, Hendricks (B), Rush (B). *Tragopogon dubius* Scop. *Rhodora* 45: 414. 1943. (See also Kearney and Peebles Fl. Plt. Arizona, 1023. 1943.) Gibson (D), Lake (G), Marion (B), Porter (G), Wabash (B). *T. pratensis*, Kosciusko (IU). *T. porrifolius*, Madison (B). *Lactuca biennis*, Marion (B). *L. canadensis* var. *integrifolia*, Fayette (B), Rush (B). *L. c.* var. *latifolia*, Boone (B). *L. c.* var. *l. f. villicaulis* Fern. *Rhodora* 41: 574. 1939. Crawford (D), Washington (D), Wells (D). *L. scariola*, Brown (B). *Prenanthes altissima*, Rush (B).

## NOMENCLATORIAL CHANGES

The following changes in names of Indiana plants are considered by the committee to be likely of acceptance by taxonomists generally. Other published changes have recently appeared in the literature but are temporarily withheld from the list awaiting further evidence of their merit and likelihood of general acceptance.

*Dryopteris spinulosa* var. *intermedia* (Muhl.) Underw. to

*D. intermedia* (Muhl.) A. Gray

Broun Index N. A. Ferns 1938.

*Potamogeton americanus* Cham. & Schlect. to

*P. nodosus* Poir.

Rhodora 45: 123. 1943.

*Potamogeton gramineus* var. *graminifolius* Fries to

*P. gramineus* L. var. *typicus* Fern.

Rhodora 45: 143. 1943.

*Potamogeton lucens* L. to

*P. illinoensis* Morong.

Rhodora 45: 152. 1943.

*Potamogeton pusillus* var. *mucronatus* (Fieber) Graebn. to

*P. berchtoldi* var. *mucronatus* Fieber.

Pot. Böhm. 40, t. iv., fig. 21. 1838.

Fernald: Linear-leaved Potamogetons, 87. 1932.

*Calamovilfa longifolia* (Hook.) Scribn. add

*C. longifolia* var. *magna* Scribn. & Merr.

Amer. Midland Nat. 29: 782. 1943.

*Muhlenbergia foliosa* (Roem. & Schultes) Trin. to

*M. mexicana* (L.) Trin.

Rhodora 45: 236. 1943.

*Muhlenbergia foliosa* f. *ambigua* (Torr.) Wieg. to

*M. mexicana* f. *ambigua* (Torr.) Fern.

Rhodora 45: 236. 1943.

*Muhlenbergia mexicana* (L.) Trin. to

*M. frondosa* (Poir.) Fern.

Rhodora 45: 235. 1943.

*Muhlenbergia mexicana* f. *commutata* (Scribn.) Wieg. to

*M. frondosa* f. *commutata* (Scribn.) Fern.

Rhodora 45: 235. 1943.

*Muhlenbergia racemosa* (Michx.) BSP. to

*M. setosa* (Spreng.) Trin.

Rhodora 45: 237. 1943.

*Cenchrus pauciflorus* Benth. to

*C. longispinus* (Hackel) Fern.

Rhodora 45: 388. 1943.



- Erianthus alopecurioides* (L.) Ell. to  
*E. saccharoides* Michx. var. *compactus* (Nash) Fern.  
Rhodora 45: 252. 1943.
- Andropogon furcatus* Muhl. to  
*A. Gerardi* Vitman  
Rhodora 45: 258. 1943.
- Scirpus debilis* Pursh to  
*S. Purshianus* Fern.  
Rhodora 44: 479. 1942.
- Scirpus Smithii* var. *setosus* Fern. to  
*S. Smithii* f. *setosus* Fern.  
Rhodora 44: 479. 1942.
- Scirpus validus* Vahl. to  
*S. validus* var. *creber* Fern.  
Rhodora 45: 283. 1943.
- Carex Grayii* Carey, add  
*C. Grayii* var. *hispidula* Gray  
Rhodora 44: 322-324. 1942.
- Carex lasiocarpa* Ehrh. to  
*C. lasiocarpa* var. *americana* Fern.  
Rhodora 44: 304. 1943.
- Carex laxiculmis* var. *copulata* (Bailey) Fern. to  
*X C. copulata* (Bailey) Mack.  
Rhodora 44: 388-389. 1942.
- Carya Buckleyi* Durand var. *arkansana* Sarg. to  
*C. texana* Buckl. var. *arkansana* (Sarg.) Little  
Amer. Midl. Nat. 29: 502. 1943.
- Carya tomentosa* (Lam.) Nutt. to  
*C. tomentosa* Nutt.  
Amer. Midl. Nat. 29: 500-501. 1943.
- Morus alba* var. *tatarica* (L.) Loud. to  
*M. alba* var. *tatarica* (L.) Ser.  
Rehder: Trees & Shrubs, ed. 2: 188. 1940.
- Sisymbrium Thalianum* (L.) J. Gay to  
*Arabidopsis Thaliana* (L.) Heynh.  
Rhodora 45: 268. 1943.
- Barbarea vulgaris* R. Br., add  
*B. vulgaris* var. *arcuata* (J. & C.) Fries  
Rhodora 45: 304. 1943.
- Arabis virginica* (L.) Poir. to  
*Sibara virginica* (L.) Rollins  
Rhodora 43: 481. 1941.

- Arabis viridis* var. *Deamii* Hopkins to  
*A. missouriensis* Greene var. *Deamii* Hopkins  
*Rhodora* 45: 269. 1943.
- Prunus virginiana* var. *demissa* Sarg. to  
*P. virginiana* f. *Deamii* G. N. Jones  
*Rhodora* 45: 355. 1943.
- Trifolium hybridum* L., add  
*T. hybridum* var. *elegans* (Savi) Boiss.  
*Rhodora* 45: 331. 1943.
- Phaseolus polystachus* (L.) BSP. to  
*P. polystachios* (L.) BSP.  
*Rhodora* 44: 419. 1942.
- Phaseolus polystachus* (L.) BSP., add  
*P. polystachios* var. *aquilonius* Fern.  
*Rhodora* 44: 418. 1942.
- Angelica villosa* (Walt.) BSP. to  
*A. venenosa* (Greenway) Fern.  
*Rhodora* 45: 301. 1943.
- Bumelia lycioides* (L.) BSP. to  
*B. lycioides* (L.) Gaertn. f. var. *virginiana* Fern.  
*Ann. Missouri Bot. Gard.* 29: 171-172. 1942.
- Scutellaria ovalifolia* Pers. to  
*S. ovalifolia* var. *hirsuta* (Short) Fern.  
*Rhodora* 44: 433. 1942.
- Scutellaria ovata* Hill to  
*S. ovata* var. *versicolor* (Nutt.) Fern.  
*Rhodora* 44: 432. 1942.
- Monarda fistulosa* var. *mollis* (L.) Benth. to  
*M. fistulosa* L.  
*Univ. California Pub. Bot.* 20: 165. 1942.
- Lindernia dubia* var. *typica* Pennell to  
*L. dubia* var. *riparia* (Raf.) Fern.  
*Rhodora* 44: 442-446. 1942.
- Lindernia dubia* var. *major* (Pursh) Pennell to  
*L. dubia* (L.) Pennell  
*Rhodora* 44: 442-446. 1942.
- Melampyrum lineare* Lam. var. *latifolium* (Muhl.) Beauv. to  
*M. lineare* Desr. var. *latifolium* Barton  
*Rhodora* 44: 452. 1942.
- Melampyrum lineare* var. *pectinatum* Pennell to  
*M. lineare* var. *pectinatum* (Pennell) Fern.  
*Rhodora* 44: 452. 1942.

Conopholis americana (L. f.) Wallr. to  
**C. americana** (L.) Wallr.  
 Gray Syn. Flora ed. 2: 455. 1886.

Solidago media (Greene) Bush to  
**S. graminifolia** var. **media** (Greene) Harris  
 Rhodora 45: 413. 1943.

Solidago remota (Greene) Friesner to  
**S. graminifolia** var. **remota** (Greene) Harris  
 Rhodora 45: 413. 1943.

Tragopogon pratensis L. add  
**T. dubius** Scop.  
 Rhodora 45: 413. 1943.  
 See also Kearney and Peebles Fl. Plt. Arizona, 1023. 1942.

Hieracium canadense Michx. to  
**H. canadense** var. **fasciculatum** (Pursh) Fern  
 Rhodora: 45: 320. 1943.

#### DELETIONS

The following deletions should be made from the State Flora Catalog.  
*Panicum spretum*, Steuben: drop the county for this species. *P. microcarpon*: drop Elkhart, Lagrange and Starke counties for this species. *Scirpus smithii*: drop Lake, Porter and Starke counties. Correct record to date is La Porte (D), Marshall (D), Kosciusko (D), and Whitley (D). *S. smithii* forma *setosus* Fern.: Rhodora 44: 479. 1942. Drop Lake and La Porte counties. Correct record to date is Cass (D), Jasper (D), Noble (D), Porter (D), Starke (D), Steuben (D). *Saxifraga pennsylvanica* ssp. *interior* var. *winnebagoensis*: change Clark (NW) to Lake (M).

State Flora Committee:

CHARLES C. DEAM, *Chairman*  
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