

Indiana Plant Distribution Records, XIV. 1953.

Genera are listed in the order used in Deam's 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. IU, B and I stand for Indiana University, Butler University and the University of Illinois respectively. Entities considered worthy of being newly listed as part of the state's natural or adventive flora are given in bold face followed by literature reference and name of collector. Nomenclature is, with a few exceptions, in accord with that used in Gray's Manual of Botany, 8 ed., 1950. In the case of the exceptions, the Gray's Manual name is given parenthetically.

Specimens have been collected by the following collectors: Harry E. Ahles, Franklin B. Buser, Agnes Chase, Charles C. Deam, Charles Ek, Ray C. Friesner, Jon Hall, E. J. Hill, G. N. Jones, O. E. Lansing, W. S. Moffatt, Rose Overstreet, John E. Potzger, Helene Starcs, L. M. Umbach, J. R. Weir, and Nancy G. Willis.

A card file is maintained at the Botany Department of Butler University showing published distribution of each entity within the state. Anyone in need of such information may obtain it from this file.

Taxonomic Entities

Dryopteris noveboracensis, Fountain (I, IU). *Typha angustifolia*, Fountain (I). *Sparganium eurycarpum*, Parke (I). *Potamogeton illinoensis*, Fountain (I). *Zannichellia palustris*, Fountain (I). *Bromus japonicus*, Fountain (I, IU, B). *B. latiglumis*, Morgan (I). *B. purgans*, Fountain (I). *B. secalinus*, Greene (B). *B. sterrilis*, Clark (I, IU, B). *Festuca elatior*, Fayette (I). *Glyceria septentrionalis*, Fountain (I, IU, B). *G. striata*, Fayette (I). *Poa compressa*, Fayette (I). *Eragrostis cilianensis*, Pulaski (B). *E. frankii*, Fountain (I). *E. hypnoides*, Fountain (I, IU, B). *E. spectabilis*, Pulaski (B). *Diarrhena americana*, Fountain (I). *Phragmites communis*, Fountain (I). *Melica nitens*, Fountain (I, IU, B). *Triodia flava*, Cass (B). *Agropyron repens*, Fountain (I), White (IU). *A. smithii*, White (B). *Elymus villosus*, Monroe (IU). *Hordeum jubatum*, Fountain (I). *H. pusillum*, Floyd (I). *Sphenopholis obtusata*, Fountain (I). *Danthonia spicata*, Fayette (I). *Agrostis perennans*, Wayne (B). *Alopecurus aequalis*, Fountain (I, IU). *A. carolinianus*, Martin (I, IU). *Phleum pratense*, Fayette (I). *Muhlenbergia schreberi*, Wayne (B). *M. sobolifera*, Fountain (I, IU, B). *M. tenuiflora*, Crawford (B), Daviess (B), Ripley (B). *Sporobolus asper*, Fountain (I). *S. cryptandrus*, White (IU). *S. heterolepis*, Tippecanoe (B). *S. vaginiflorus*, Fountain (I), Montgomery (I). *Stipa spartea*, Fountain (I, IU, B). *Eleusine indica*, Parke (I). *Spartina pectinata*, Fountain (I). *Bouteloua curtipendula*, Fountain (I, B). *Phalaris arundinacea*, Fountain (I). *Leersia oryzoides*, Fulton (B), White (B). *Digitaria ischaemum*, Fountain (I), Parke (I). *Leptoloma cognatum*, Fountain (I). *Paspalum pubiflorum* var. *glabrum*, Crawford (B), Vanderburgh (I, IU, B). *P. stramineum*, Pulaski (B). *Panicum agrostoides*, Fountain (I), Parke (I). *P. capillare*, Daviess (B). *P. commutatum*, Ripley (B). *P. gattingeri*, Cass (B), Fountain (I). *P. latifo-*

lium, Parke (I). *P. linearifolium*, Fountain (I). *P. polyanthes*, Monroe (IU). *P. scribnerianum*, Fountain (I), Greene (B). *Setaria lutescens*, Wayne (B). *S. viridis*, Henry (B). *S. faberii*, Warren (I). *S. verticillata*, Fountain (I). *Cenchrus pauciflorus* (*C. longispinus*), Parke I, Pulaski (B). *Andropogon gerardi*, Parke (I). *A. virginicus*, Fountain (I). *Sorghum halapense*, Fountain (I). *Sorghastrum nutans*, Fountain (I, IU), Fulton (B).

Cyperus aristatus, Fountain (I), Shelby (B). *C. erythrorhizos*, Hamilton (B), Marion (B), Wayne (B). *C. ferruginescens*, Marion (B), Wayne (B). *C. filiculmis*, Fountain (I). *C. flavescens*, Henry (B), Parke (I). *C. ricularis*, Wayne (I). *C. schweinitzii*, Fountain (I). *C. strigosus*, Carroll (B). *C. tenuifolius*, Morgan (B). *Eriphorum angustifolium*, Tippecanoe (I). *Scirpus acutus*, Madison (B). *S. cyperinus*, Parke (I), Wayne (B). *S. flaviatilis*, Fountain (I). *S. lineatus*, Fountain (I). *S. validus*, Fountain (I, B), Parke (I). *Eleocharis acicularis*, Cass (B), Elkhart (B), Fountain (I), Starke (B). *E. calva*, Jay (B). *E. obtusa*, Hamilton (B), Morgan (B). *E. tenuis*, Tippecanoe (I). *Fimbristylis autumnalis* var. *mucronulata*, Marion (B), Morgan (B). *Scleria verticillata*, Tippecanoe (B). *Carex buxbaumii*, Fountain (I). *C. comosa*, Cass (B), Fountain (I, IU, B). *C. erinita*, Fountain (I). *C. cristatella*, Marion (B). *C. emoryi*, Fountain (I), Marion (B), Parke (I). *C. frankii*, Randolph (B). *C. hitchcockiana*, Fountain (I). *C. hyalinolepis*, Fountain (I), Tippecanoe (I). *C. hystericina*, Marion (B). *C. lanuginosa*, Fountain (I). *C. leptalea*, Tippecanoe (I). *C. pennsylvanica*, Fountain (I). *C. plantaginea*, Fountain (I). *C. rosea*, Monroe (B), Parke (I). *C. sartwellii*, Fountain (I). *C. scoparia*, Fountain (I, IU, B). *C. shortiana*, Fayette (I). *C. sparganioides*, Monroe (B). *C. stipata*, Fayette (I). *C. tenera*, Fountain (I). *C. tetanica*, Tippecanoe (I). *C. tribuloides*, Fountain (I), Randolph (B), Wayne (B). *C. virescens*, Fountain (I). *C. vulpinoidea*, Fountain (I), Wayne (B).

Peltandra virginica, Morgan (IU). *Lemna trisulca*, Marion (I). *Commelina communis*, Fountain (I). *Tradescantia ohioensis*, Fountain (I, IU). *T. virginiana*, Parke (I, B). *Juncus acuminatus*, Fountain (I). *J. biflorus*, Fountain (I). *J. dudleyi*, Carroll (B), Fountain (I, IU, B), Hamilton (B), Morgan (B). *J. effusus* var. *solutus*, Fountain (I), Randolph (B). *J. nodosus*, Fountain (I). *J. tenuis*, Carroll (B), Morgan (B), Ripley (B). *J. torreyi*, Madison (B). *Veratrum woodii*, Fayette (I), Fountain (I). *Allium cernuum*, Franklin (I), Warren (I). *A. sativum*, Clark (I, IU, B), Floyd (I, B), Fountain (I), Orange (I, IU). *A. vineale*, Clark (I), Fountain (I). *Lilium superbum* (*L. michiganense*), Fayette (I). *Erythronium albidum*, Fountain (I). *Camassia scillioides*, Fountain (I). *Muscari botryoides*, Vermillion (I). *Trillium grandiflorum*, Fountain (I). *T. sessile*, Fountain (I). *Belamcanda chinensis*, Fountain (I), Parke (I), Warren (I). *Cyrtopodium acaule*, Lake (I). *C. candidum*, Tippecanoe (I, IU, B). *Habenaria lacera*, Fountain (I). *H. psycodes*, Parke (I). *Pogonia ophioglossoides*, Porter (I). *Spiranthes cernua*, Tippecanoe (I). *Goodyera pubescens*, Lake (1). *Liparis lilliifolia*, Lake (I).

Populus alba, Fountain (I). *P. tremuloides*, Ripley (B). *Salix alba*, Fountain (I). *S. cordata*, Vermillion (I). *S. discolor*, Fountain (I). *S.*

sericea, Parke (I). *Quercus imbricaria*, Parke (I). *Urtica dioica*, Parke (I). *Boehmeria cylindrica*, Morgan (IU). *Comandra umbellata* (*C. richardiana*), Parke (I). *Rumex obtusifolius*, Fayette (I). *R. Patientia* L. Gray Man. 8 ed. p. 569. Ill. Flora (1952) v. 2, p. 68. Floyd (I, IU). Collected by Harry E. Ahles and Franklin B. Buser. *Polygonum buxiforme*, Morgan (IU). *P. convolvulus*, Fountain (I). *P. erectum*, Fountain (I), Parke (I). *P. hydropiper*, Fountain (I). *P. lapathifolium*, Fountain (I). *P. orientale*, Fountain (I). *P. tenue*, Fountain (I). *Chenopodium ambrosioides*, Parke (I). *C. glaucum*, Fountain (I, IU). *C. leptophyllum* (*C. pratericola*), Fountain (I), Parke (I). *C. standleyanum*, Fountain (I), Parke (I). *Cycloloma atriplicifolia*, Fountain (I). *Atriplex patula*, Fountain (I), Vermillion (I). *A. p.* var. *hastata*, Fountain (I). *Amaranthus hybridus*, Fountain (I), Parke (I). *A. retroflexus*, Fountain (I). *A. tuberculatus* (Moq.) Sauer (*Acnida altissima* and *subnuda*), Fountain (I). *Froelichia campestris*, Fountain (I, IU, B). *F. gracilis*, Parke (I). *Portulaca oleracea*, Fountain (I). *Stellaria aquatica* (*Myosoton aquaticum*), Warren (I, IU). *Arenaria serpyllifolia*, Fountain (I). *Holosteum umbellatum*, Orange (I). *Silene antirrhina* f. *deaneana*, Clark (I). *Dianthus armeria*, Fountain (I). *Saponaria officinalis*, Rush (I).

Nuphar advena, Fountain (I). *Ceratophyllum demersum*, Fountain (I). *Hydrastis canadensis*, Fountain (I). *Cimicifuga racemosa*, Fayette (I). *Aquilegia canadensis* f. *flaviflora*, Fountain (I). *Clematis viorna*, Fayette (I). *Ranunculus micranthus*, Fountain (I, B). *R. septentrionalis* var. *caricetorum*, Parke (I, IU, B). *Menispermum canadense*, Fayette (I). *Dicentra cucullaria*, Vermillion (I). *Corydalis flavula*, Fountain (I). *Lepidium draba*, Clark (I). *Thlaspi arvense*, Fountain (I), Washington (I). *T. perfoliatum*, Floyd (I), Orange (I). *Sisymbrium altissimum*, Fountain (I). *Brassica hirta* Moench. Deam, Fl. Ind., p. 1051. Fountain (I). Collected by Franklin B. Buser, and, separately, by Harry E. Ahles. *B. nigra*, Fountain (I). *Barbarea vulgaris*, Fayette (I). *Rorippa sessiliflora*, Parke (I). *Nasturtium officinale*, Fayette (I). *Cardamine douglasii*, Vermillion (I). *Camelina microcarpa*, Clark (I). *Neslia paniculata* (L.) Desv. Deam, Fl. Ind., p. 1053. Lake (I). Collected separately by W. S. Moffatt, L. M. Umbach and O. E. Lansing. *Draba verna*, Fountain (I), Vermillion (I). *Descurainia brachycarpa*, Fountain (I). *Sibara virginica*, Martin (I). *Erysimum repandum*, Clark (I), Fountain (I), Warren (I). *Hesperis matronalis*, Harrison (I). *Conringia orientalis*, Fountain (I). *Polanisia graveolens*, Parke (I).

Sedum telephium (incl. *S. telephioides*), Fountain (I). *Heuchera americana*, Fayette (I). *Platanus occidentalis*, Fountain (I). *Crataegus calpodendron*, Fountain (I). *C. crus-galli*, Fountain (I). *C. mollis*, Fountain (I). *C. pruinosa*, Fountain (I). *C. punctata*, Fountain (I). *Fragaria vesca*, Fountain (I), Parke (I). *Duchesnea indica*, Fayette (I, IU, B). *Potentilla simplex*, Fayette (I). *Agrimonia gryposepala*, Fountain (I). *A. parviflora*, Fountain (I). *A. rostellata*, Fountain (I). *Rosa setigera*, Fountain (I). *Prunus persica*, Fountain (I). *Cassia fasciculatus*, Fayette (I), Fountain (I, B). *C. marilandica*, Fountain (I). *C. nictitans*, Fountain (I, IU), Parke (I). *Baptisia leucantha*, Fountain (I). *Crotolaria sagittalis*, Kosciusko (I), Montgomery (B). *Medicago sativa*, Parke (I).

Melilotus officinalis, Fayette (I), Fountain (I). *Trifolium pratense*, Fountain (I). *T. procumbens*, Fountain (I). *Desmodium canescens*, Fountain (I). *D. cuspidatum*, Fayette (IU), Fountain (I), Parke (I). *D. dillenii*, Fountain (I), Parke (I). *D. illinoense*, Fountain (I). *Desmodium paniculatum*, Fayette (IU), Fountain (I), Parke (I). *D. pauciflorum*, Fountain (I, IU, B), Parke (I, IU, B). *Lespedeza bicolor* Turcz. Rehder, Man. Cult. Tr. & Shrubs, p. 520. Fountain (I). Collected by Franklin B. Buser and Harry E. Ahles. *L. capitata*, Fountain (I, B). *L. cuneata*, Fountain (I). *L. intermedia*, Fountain (I). *L. procumbens*, Parke (I). *L. violacea*, Fountain (I, B). *L. virginica*, Fountain (I, IU). *Vicia villosa*, Fountain (I), Parke (I). *Lathyrus palustris*, Fountain (I, IU, B). *Glycine max*, Fountain (I). *Lotus corniculatus* L. Gray Man. 8 ed. p. 896. Ill. Flora (1952) v. 2, p. 398. Fountain (I, IU, B). Collected by Franklin B. Buser.

Geranium carolinianum, Fountain (I). *Ailanthus altissima*, Fountain (I). *Polygala verticillata*, Fountain (I). *Croton monanthogynus*, Fountain (I). *Acalypha gracilens*, Jefferson (IU). *A. rhomboidea*, Harrison (IU). *A. virginica*, Vigo (IU). *Euphorbia cyparissias*, Fountain (I). *E. esula*, Orange (I), Vermillion (I, IU, B). *Callitriche heterophylla*, Fountain (I). *Rhus vernix*, Fountain (I). *Ilex verticillata*, Fountain (I), Wayne (I). *Acer nigrum*, Fountain (I). *Abutilon theophrasti*, Fayette (I). *Althaea rosea*, Fountain (I). *Hibiscus militaris*, Fountain (I). *Lechea tenuifolia*, Fountain (I, B). *Viola affinis*, Fountain (I). *Viola rafinesquii* (*V. kitaibeliana*), Fountain (I), Parke (I). *Optuntia humifusa*, Clark (I), Fountain (I). *Rotala ramosior*, Fountain (I). *Ammannia coccinea*, Fountain (I), Vermillion (I). *Peplis diandra*, Fountain (I). *Lythrum alatum*, Fountain (I). *Cuphea petiolata*, Fountain (I). *Ludwigia palustris*, Wayne (I). *L. polycarpa*, Fountain (I). *Oenothera laciniosa*, Fountain (I). *O. pilosella*, Fountain (I). *Gaura biennis*, Fayette (I). *Chaerophyllum procumbens*, Fountain (I). *C. tainturieri*, Orange (I), Washington (I). *Conium maculatum*, Fountain (I). *Zizia aurea*, Fountain (I). *Thaspium trifoliatum*, Fountain (I, B). *Cornus canadensis*, Lake (I). *Cornus racemosa*, Fountain (I), Parke (I). *Androsace occidentalis*, Fountain (I, IU, B). *Lysimachia hybrida*, Fountain (I). *L. lanceolata*, Fountain (I). *L. qualriflora*, Fountain (I, IU, B). *Dodecatheon meadia*, Wells (I). *Fraxinus nigra*, Parke (I). *F. pennsylvanica* var. *subintegerrima*, Fountain (I). *Gentiana andrewsii*, Fountain (I), Marion (B). *Frasera* (*Swertia*) *caroliniensis*, Fayette (I). *Apocynum androsaemifolium*, Fountain (I). *A. cannabinum*, Fountain (I). *A. medium*, Fayette (I), Fountain (I).

Asclepias amplexicaulis, Fountain (I). *A. purpurascens*, Fountain (I). *Cuscuta campestris*, Fountain (I). *C. cephalanthi*, Fountain (I). *C. polygonorum*, Fountain (I). *Convolvulus arvensis*, Fountain (I). *C. sepium*, Fountain (I). *Ipomoea lacunosa*, Parke (I). *I. pandurata*, Morgan (IU). *Phlox pilosa*, Fountain (I). *Cynoglossum officinale*, Fayette (I). *Lithospermum arvense*, Clark (I). *L. croceum*, Fountain (I). *L. latifolium*, Fountain (I, IU, B). *Echium vulgare*, Hamilton (I), Ripley (B). *Verbena canadensis*, Fountain (I). *Isanthus brachiatus*, Fountain (I). *Scutellaria galericulata*, Fountain (I, IU). *Prunella vulgaris*, Rush

(I). *Physostegia speciosa* (*P. virginiana* var. *s.*), Fountain (I), Parke (I, B). *Dracocephalum parviflorum*, Fountain (I, B). *Lamium amplexicaule*, Fountain (I). *L. purpureum*, Fountain (I, IU). *Leonurus cardiaca*, Parke (I). *Salvia lyrata*, Martin (I, B). *S. reflexa*, Wayne (I, B). *Monarda didyma*, Morgan (IU). *M. fistulosa* var. *mollis*, Brown (IU). *Hedeoma hispida*, Fountain (I). *Melissa officinalis*, Morgan (IU). *Pycnanthemum flexuosum*, Fountain (I, B). *P. virginianum*, Brown (IU), Monroe (IU). *Lycopus rubellus*, Fountain (I), Parke (I). *L. virginicus*, Fountain (I). *Mentha spicata*, Fountain (I). *Nicandra physalodes*, Warren (I). *Lycium halimifolium*, Fountain (I). *Physalis pubescens*, Fountain (I). *P. subglabrata*, Starke (IU). *Solanum rostratum*, Lake (I). *Linaria minor* (*Chaenorhinum minus*), Clark I, Fountain (I, IU). *L. vulgaris*, Fountain (I). *Collinsia verna*, Fountain (I). *Penstemon calycosus*, Parke (I, IU). *Gratiola neglecta*, Fountain (I, IU, B). *G. virginiana*, Fountain (I). *Lindernia dubia*, Fountain (I). *Veronica connata*, Fayette (I), Fountain (I). *V. persica*, Fountain (I, IU, B). *V. serpyllifolia*, Lake (I). *Veronicastrum virginicum*, Fountain (I, B). *Castilleja coccinea*, Fountain (I, IU, B). *Epifagus virginiana*, Fountain (I), Tippecanoe (I). *Ruellia humilis*, Fountain (I), Parke (I). *Plantago virginica*, Fayette (I), Fountain (I). *Houstonia purpurea*, Fayette (I). *Cephalanthus occidentalis*, Rush (I). *Galium pilosum*, Fountain (I). *G. tinctorium*, Fountain (I). *Viburnum lentago*, Fountain (I), Parke (I). *Triosteum aurantiacum*, Fountain (I). *Symphoricarpos orbiculatus*, Fountain (I, B). *Echinocystis lobata*, Fountain (I). *Citrullus vulgaris*, Fountain (I), Porter (I). *Campanula aparinoides*, Tippecanoe (I). *Specularia perfoliata*, Fayette (I). *Lobelia cardinalis*, Fountain (I). *L. siphilitica*, Fayette (I).

Vernonia missurica, Fountain (I). *Eupatorium altissimum*, Parke (I). *E. purpureum*, Fountain (I). *E. sessilifolium*, Fountain (I). *Liatris spicata*, Fountain (I). *Solidago bicolor*, Fountain (I). *S. patula*, Fountain (I). *S. riddellii*, Fountain (I). *S. rigida*, Fountain (I). *S. speciosa*, Fountain (I). *Boltonia asteroides* (incl. *B. latisquama*), Parke (I). *Aster furcatus*, Fountain (I). *A. patens*, Parke (I). *A. praealtus*, Fountain (I). *A. sagittifolius*, Parke (I). *A. s.* var. *drummondii*, Fountain (I). *A. simplex*, Fountain (I). *Antennaria neglecta*, Fountain (I). *Gnaphalium purpureum*, Fayette (I). *Silphium integrifolium*, Fountain (I). *S. laciniatum*, Fountain (I). *S. terebinthinaceum*, Fountain (I). *Xanthium pennsylvanicum*, Fountain (I). *Rudbeckia subtomentosa*, Fountain (I, IU). *Ratibida pinnata*, Fountain (I). *Helianthus annuus*, Fountain (I). *H. grosseserratus*, Fountain (I). *H. hirsutus*, Fountain (I), Parke (I). *Verbesina* (*Actinomeris*) *alternifolia*, Rush (I). *Galinsoga ciliata*, Fountain (I). *Helenium tenuifolium*, Fountain (I). *Coreopsis tripteris*, Fountain (I). *Anthemis cotula*, Fountain (I). *Matricaria matricarioides*, Fountain (I). *Chrysanthemum leucanthemum*, Fayette (I). *Tanacetum vulgare*, Fountain (I). *Artemisia annua*, Rush (I). *A. vulgaris* L. Gray Man. 8 ed., p. 1522. Ill. Flora (1952) v. 3, p. 390. Floyd (I). Collected by Harry E. Ahles and Franklin B. Buser. *Carduus nutans*, Fountain (I). *Cirsium arvense*, Fountain (I). *C. muticum*, Fountain (I). *Onopordum acanthium*, Clark (I). *Cichorium intybus*, Fountain (I). *Krigia*

biflora, Fountain (I). *Tragopogon pratensis*, Fayette (I), Fountain (I). *Sonchus arvensis*, Fountain (I). *S. oleraceus*, Fountain (I). *Lactuca biennis*, Parke (I). *L. saligna*, Boone (I), Fountain (I, IU, B), Hancock (I), Hendricks (I), Montgomery (I), Parke (I), Rush (I), Warren (I). *Prenanthes alba*, Fountain (I). *P. crepidinea*, Fountain (I).

Deletions

Carex comosa, drop Parke County. *Habenaria flava*, drop Parke County.

Note: The deaths of Dr. Ray C. Friesner and Dr. C. C. Deam during the past year, and leave of absence of Dr. T. G. Yuncker for work on Pacific islands left the state flora report without supervision. The chairman of the Taxonomy Section, Mr. Frank Buser, assumed the duties incumbent on an annual plant distribution record. The above report is credited to him with sincere thanks.