

PLANTS OF WHITE COUNTY—IV.

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Heretofore the author has reported two hundred species of plants as growing wild in White County. The list below includes seventy additional species. Specimens of these species were collected in the vicinity of Reynolds and at several places along the Tippecanoe river north of Monticello. The collection dates were September 4, 5, and 6, and October 30, 1921. The nomenclature, for the most part, is that of Gray's 7th edition New Manual of Botany. The authenticity of this list is vouched for by Mr. Charles C. Deam, of Bluffton, Indiana, who determined or verified every specimen. The numbers following the names refer to the specimen numbers in the author's personal collection. Brief notes are attached to a few species which seem to be of more than passing interest.

- Pteridium latiusculum* (Desv.) Maxon. Bracken fern. This is the *Pteris aquilina* L. of present manuals. Nos. 558, 583.
- Polystichum acrostichoides* (Michx.) Schott. Christmas-fern. No. 559.
- Thelypteris palustris* Schott. (*Aspidium thelypteris* (L.) Sw.) Marsh shield fern. No. 629.
- Osmunda regalis* L. Royal fern. No. 630.
- Sagittaria latifolia* Willd. Broad-leaved arrowhead. No. 570.
- Alisma subcordatum* Raf. American water-plantain. Nos. 237, 571.
- Sorghastrum nutans* (L.) Nash. Indian grass. No. 576.
- Panicum dichotomiflorum* Michx. Spreading Witchgrass. No. 620.
- Echinochloa Crus-galli* (L.) Beauv. Barnyard-grass. No. 619.
- Cyperus speciosus* Vahl. Michaux's cyperus. No. 598.
- Cyperus strigosus* L. Straw-colored cyperus. No. 567.
- Betula nigra* L. Red or river birch. No. 647. In 1916 the author reported *Betula lutea* Michx. Yellow birch, Nos. 436, 437, as growing along the Tippecanoe about two miles south of Buffalo. (Proc. Ind. Acad. of Sci. 1917, pages 396 and 443.) It is now believed that these specimens should be referred to *B. nigra* L.
- Urtica gracilis* Ait. Tall wild nettle. No. 603.
- Polygonum tenue* Michx. Slender knotweed. No. 582.
- Polygonum Muhlenbergii* S. Wats. Swamp persicaria. No. 639.
- Polygonum pennsylvanicum* L. Pennsylvania persicaria. No. 600.
- Polygonum Hydropiper* L. Water smartweed. No. 599.
- Polygonum Convolvulus* L. Corn bindweed. No. 623.
- Amaranthus hybridus* L. Spleen amaranth. No. 612.
- Berberis vulgaris* L. European barberry. No. 645. The specimen is from Buffalo, collected October 30, 1921. The stems and leaves indicate that the specimens are probably the variety *purpurea*. The leaves were unaffected by rust.
- Hydrangea arborescens* L. Wild hydrangea. No. 560. This specimen was taken on the west bank of the Tippecanoe River just south

of the mouth of the Hoagland ditch. Mr. C. C. Deam has a record of this species from Miami County, about three miles east of Peru. These two records represent the northern limit of the species in Indiana as known at present. It is suspected that the species may be found farther north along the Tippecanoe.

- Agrimonia parviflora* Ait. Many-flowered agrimony. No. 587.
Medicago lupulina L. Black-seed hop-clover. No. 638.
Amorpha canescens Pursh. Lead plant. No. 608.
Desmodium canadense DC. Canadian tick-trefoil. No. 572.
Lespedeza virginica (L.) Britton. Slender bush clover. No. 563.
Lespedeza capitata Michx. Round-headed bush clover. Nos. 564, 648.
 Specimens referred to this species vary considerably.
Acalypha virginica L. Narrow-leaf form. Virginia three-seeded mercury. No. 595.
Chamaesyce Preslii (Guss.) Arthur. (Euphorbia Preslii Guss.) Upright spotted spurge. No. 604.
Chamaesyce maculata (L.) Small. (Euphorbia maculata L.) Spotted spurge. No. 596.
Ceanothus americanus L. New Jersey tea. No. 557.
Hypericum prolificum L. Shrubby St. John's wort. No. 646.
Hypericum mutilum L. Dwarf, small-flowered St. John's wort. No. 594.
Hypericum gentianoides (L.) BSP. Orange weed, Pine grass. No. 609.
 Found only in very sterile sandy soil.
Helianthemum canadense (L.?) Michx. Frostweed. No. 584.
Lechea Leggettii Britt. & Holl. Leggett's Pin-Weed. No. 628. Reported thus far only from Allen, Newton and Starke Counties. Description in Gray is erroneous.
Apocynum cannabinum L. Indian hemp. No. 618.
Asclepias incarnata L. Swamp milkweed. No. 605.
Ipomea pandurata (L.) Meyer. Wild sweet potato. No. 634.
Verbena urticaefolia L. Nettle-leaved vervain. No. 614.
Verbena bracteosa Michx. Large-bracted vervain. No. 613.
Verbena hastata L. Blue vervain or Wild Hyssop. Nos. 597, 602.
Solanum nigrum L. Black, deadly, or garden nightshade. No. 616.
Aureolaria pedicularis var. *ambigens* (Fernald) Farwell. Fern-leaved or Lousewort false foxglove variety. This is the *Gérardia pedicularia* var. *ambigens* Fernald of Gray. No. 556.
Aureolaria flava (L.) Farwell. Smooth false foxglove. No. 644. This is the *Gerardia virginica* (L.) BSP. of Gray.
Agalinis purpurea (L.) Britton. Large purple agalinis. No. 574. (*Gerardia purpurea* L.)
Agalinis tenuifolia (Vahl.) Raf. Slender agalinis. No. 574A.
Pedicularis lanceolata Michx. Swamp lousewort. No. 554.
Galium pilosum Ait. Hairy bedstraw. No. 643.
Lobelia syphilitica L. Great lobelia or Blue cardinal flower. No. 552.
Vernonia fasciculata Michx. Western ironweed. No. 632.
Liatis scariosa Willd. Large button snakeroot. No. 553.
Solidago nemoralis Ait. Field or dwarf golden-rod. No. 580.

- Euthamia remota* Greene. Slender fragrant golden-rod. No. 586. The nearest description of this species in Gray is *Solidago tenuifolia* Pursh.
- Aster furcatus* Burgess. Forking aster. No. 561. Reported thus far from only Warren and Tippecanoe Counties. According to Deam it is rare. Specimen No. 561 taken from west bank of Tippecanoe River just south of mouth of Hoagland ditch.
- Aster azureus* Lidl. Sky-blue aster. No. 601.
- Aster umbellatus* Mill. Tall flat-top white aster. No. 592.
- Aster linariifolius* L. Stiff or Savory-leaved aster. Nos. 555, 581. This species is now reported by Deam from Harrison, Jasper, Lake, Porter, Starke, and White Counties. It is very fond of sandy soil.
- Erigeron canadensis* L. Horseweed, Canada Flea-bane. No. 610.
- Gnaphalium polycephalum* Michx. Sweet life-everlasting. No. 627.
- Silphium terebinthinaceum* Jacq. Prairie dock. No. 633.
- Helianthus mollis* Lam. Hairy sunflower. No. 590.
- Helianthus grosseserratus* Martens. Saw-tooth sunflower. No. 589.
- Coreopsis palmata* Nutt. Stiff tickseed. No. 579.
- Coreopsis tripteris* L. Tall tickseed. No. 591.
- Bidens frondosa* L. Beggar's ticks. No. 622.
- Cirsium discolor* (Muhl.) Spreng. Field thistle. No. 562.
- Prenanthes racemosa* Michx. Glaucous white lettuce. No. 573.
- Hieracium scabrum* Michx. Rough hawkweed. No. 631.
- Hieracium Gronovii* L. Gronovius' or Hairy hawkweed. No. 585.

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