

PLANTS OF WHITE COUNTY—VI.

LOUIS F. HEIMLICH, Purdue University.

The following is a list of 53 additional species and varieties of the White County, Indiana, flora. This makes a total of 440 species of wild plants of the county reported by the author. The collection dates were June 1 and August 22, 23, and 24, 1923.

In the list given below the grasses were identified by Agnes Chase of the Bureau of Plant Industry, Washington, D. C. All other species with the exception of numbers 840, 855, 870, and 900, were identified by C. A. Weatherby of the Gray Herbarium, Harvard University. A number of specimens of greater interest and the ones as recorded as new to the state or rare have been reviewed by C. C. Deam of Bluffton, Indiana.

It is believed that the following seven species and varieties included in the general list below are new to the state or are of rare occurrence.

Potamogeton americanus C. & S. var. *novaeboracensis* (Morong) Benn. No. 864. Collected in Tippecanoe River just north of the dam at Monticello, east side, Aug. 23, 1923. New record.

Polygonum ramosissimum Michx. forma *atlanticum* Robinson, (*Polygonum atlanticum* Bicknell). No. 858. Collected along the Monon Railroad, north of Reynolds, near Little Honey Creek bridge, Aug. 22, 1923. New record. See figure 2.

Potentilla canadensis L. var. *simplex* (Michx.) T. & G. No. 830. Collected in alley, east part of Reynolds, June 1, 1923. New record. See figure 1.

Geum virginianum L. var. *Murrayanum* Fernald. No. 854. Collected along bank of Little Honey Creek, near Monon Railroad bridge, Aug. 22, 1923. New record. See figure 3.

Rubus flagellaris Willd. (*Rubus procumbens* Muhl.) No. 831. Common in a dry sandy field, east part of Reynolds. Collected June 1, 1923. New record. See figure 4.

Baptisia bracteata (Muhl.) Ell. No. 836. Collected along Pennsylvania Railroad, east of Reynolds, June 1, 1923. Growing on high, sandy soil. According to Deam this is a rare plant, heretofore reported only from Steuben County, but lately collected by Deam in Lake, Porter and Laporte counties.

Helianthus petiolaris Nutt. No. 868. For years I have seen this species growing on dry sandy soil to the east of the dam at Monticello and did not suspect that it was a rare plant in our state. It is a western species and apparently has only been noted twice before in two western counties of the state (Tippecanoe and Lake). See figure 5.

SPARGANIACEAE.

Sparganium eurycarpum Englem. Broad-fruited bur-reed. No. 855.

NAJADACEAE.

Potamogeton americanus C. & S. var. *novaeboracensis* (Morong.) Benn. Variety of the long-leaved pondweed. No. 864.

"Proc. Ind. Acad. Sci., vol. 33, 1923 (1924)."

HYDROCHARITACEAE.

Vallisneria spiralis L. Eel grass or tape grass. No. 879.



Fig. 1. (Left) *Potentilla canadensis* L. var. *simplex* (Michx.) T. & G. Variety of the Five Finger.

Fig. 2. (Right) *Polygonum ramosissimum* Michx. forma *atlanticum* Robinson. (*P. atlanticum* Bicknell). Atlantic Coast Knotweed.

GRAMINEAE.

Andropogon furcatus Muhl. Forked beard-grass or big blue-stem. No. 846.

Spartina Michauxiana Hitchc. Tall marsh-grass or bull-grass. Nos. 847, 860.

Bromus purgans L., var. *incanus* Sheer. Variety of the hairy wood chess. No. 875.

Elymus virginicus L. Terrell-grass or Virginia wild rye. No. 856.

Elymus canadensis L. Nodding wild rye. No. 902.

CYPERACEAE.

Scirpus americanus Pers. Three-square or chair-maker's rush. No. 892.

PONTEDERIACEAE.

Heteranthera dubia (Jacq.) MacM. Water star-grass. No. 884.

URTICACEAE.

Humulus Lupulus L. Common hop. Along Tippecanoe River at Norway. No. 890.

Boehmeria cylindrica (L.) Sw. False nettle. No. 853.

POLYGONACEAE.

Rumex altissimus Wood. Tall or peach-leaved dock, or pale dock. No. 886.

Polygonum ramosissimum Michx. forma *atlanticum* Robinson. (*Polygonum atlanticum* Bicknell.) Variety of the bushy knotweed or Atlantic Coast knotweed. No. 858. See figure 2.

Polygonum hydropiperoides Michx. Mild water pepper. No. 849.

AMARANTHACEAE.

Acnida tuberculata Moq. Rough-fruited water-hemp. No. 891.

CARYOPHYLLACEAE.

Lychnis alba Mill. White campion or evening Lychnis. No. 850.

NYMPHAEACEAE.

Nymphaea advena Ait. Large yellow pond lily. No. 840. With the disappearance of sloughs and ponds of the county, this species is practically restricted to the Tippecanoe River.

RANUNCULACEAE.

Clematis virginiana L. Virginia virgin's bower or woodbine. No. 881. Native vine, growing along Tippecanoe River near Norway.

CRASSULACEAE.

Sedum acre L. Wall pepper or mossy stonecrop. No. 905. Escaped in a yard, north part of Reynolds.

SAXIFRAGACEAE.

Ribes aureum Pursh. Missouri or buffalo currant. No. 871. Escaped.

Ribes americanum Mill. Wild or black currant. No. 859. Along banks of Little Honey Creek east of Monon Railroad bridge and several other places.

ROSACEAE.

Pyrus melanocarpa (Michx.) Willd. Black chokeberry. No. 833.

Potentilla canadensis L. var. *simplex* (Michx.) T. & G. Variety of the five finger or common cinquefoil. No. 830. New record. See figure 1.

Geum virginianum L. var. *Murrayanum* Fernald. Variety of the rough avens. No. 854. New record. See figure 3.

Rubus flagellaris Willd. (*Rubus procumbens* Muhl.) Low running blackberry or dewberry. No. 831. Common on poor sandy soil. Badly rusted. New record. See figure 4.

LEGUMINOSAE.

Baptisia bracteata (Muhl.) Ell. Large-bracted wild indigo or yellow false indigo. No. 836. Dry sandy soil, rare.

Melilotus officinalis (L.) Lam. Yellow sweet clover. No. 861.

Medicago sativa L. Alfalfa or purple medic. No. 843. Escaped.



Fig. 3. *Geom virginianum* L. var. *Murrayanum* Fernald. Variety of the Rough Avens.

Desmodium marilandicum (L.) D.C. Smooth small-leaved tick-trefoil. No. 894.

Apios tuberosa Moench. Ground-nut or wild bean. No. 865.

EUPHORBIAEAE.

Acalypha gracilens Gray. Slender three-seeded mercury. No. 898.

Euphorbia Cyparissias L. Cypress spurge. No. 869. Escaped.

VITACEAE.

Pseclera quinquefolia (L.) Greene. Virginia creeper. No. 895.

HYPERICACEAE.

Hypericum perforatum L. Common St. John's wort. No. 885.

Hypericum cistifolium Lam. Round-podded St. John's wort. No. 845.

LYTHRACEAE.

Rotala ramosior (L.) Koehne. Tooth-cup. No. 877. Near Buffalo Bathing Beach.

ONAGRACEAE.

Gaura biennis L. Biennial gaura. No. 889.



Fig. 4. *Rubus flagellaris* Willd. (*Rubus procumbens* Muhl.) Low Running Blackberry or Dewberry.

UMBELLIFERAE.

Cryptotaenia canadensis (L.) D.C. Honewort. No. 874.

OLEACEAE.

Syringa vulgaris L. Common lilac. No. 870. Escaped along fence rows or remaining and spreading at sites of old homesteads.

ASCLEPIADACEAE.

Acerates hirtella Pennell. (*A. floridana* (Lam.) Hitchc. in part). No. 844. Common north of Reynolds.



Fig. 5. *Helianthus petiolaris* Nutt. Prairie Sunflower.

LABIATAE.

Scutellaria canescens Nutt. Downy skullcap. No. 876.

Agastache nepetoides (L.) Ktze. Catnip giant-hyssop. No. 873.

Mentha arvensis L. var. *glabrata* (Benth.) Fernald. Variety of the corn or field mint. No. 880. This variety has been usually reported under the name of *Mentha canadensis* L.

SCROPHULARIACEAE.

Verbascum Blattaria L. Moth mullein. No. 842.

ACANTHACEAE.

Dianthera americana L. Dense-flowered water-willow. No. 888.

Ruellia ciliosa Pursh. Hairy or longtube Ruellia. No. 882.

PLANTAGINACEAE.

Plantago Rugellii Dene. Rugel's or pale plantain. No. 900.

Plantago aristata Michx. Large-bracted plantain. No. 899.

CUCURBITACEAE.

Echinocystis lobata (Michx.) T. & G. Wild cucumber. No. 852.

COMPOSITAE.

Helianthus petiolaris Nutt. Prairie sunflower. No. 868. For a number of years growing on dry sandy soil, east of dam at Monticello. Rare in Indiana. See figure 5.

Cichorium Intybus L. Common chicory or blue sailors. Nos. 866, 893. At dam, Monticello, and also northwest of Reynolds, growing in dry sandy soil.

