

PLANTS NEW TO INDIANA. X.

CHARLES C. DEAM.

Specimens of all of the plants referred to in this paper are deposited in the Deam herbarium. The grasses were determined by Agnes Chase. The Carices were determined by K. K. Mackenzie. The determinations of the remainder have been checked by specialists in the respective genera.

Muhlenbergia capillaris (Lam.) Trin.

Harrison County, October 7, 1921. No. 35257. Rocky, wooded slope about three miles east of Elizabeth. This open wooded slope borders the road in its descent over the bluff to the Ohio River. Growing in tufts in hard ground, closely associated with *Quercus velutina*, *Viburnum rufidulum*, *Smilax bona-nox*, *Agave virginica*, *Liatris scariosa*, *Andropogon scoparius*, *Allium cernuum* and many others.

Sporobolus clandestinus (Spreng.) Hitchc.

Fulton County, September 14, 1921. No. 34717. On a roadside sandy knoll two and a half miles northeast of Leiter's Ford. Marshall County, September 14, 1921. No. 34762. On a roadside sandy knoll just north of Yellow River, about six miles southwest of Plymouth.

Poa Wolfii Scribn.

Jay County, May 14, 1921. No. 33861. On the flood plain of a small rivulet in a white oak woods about eight miles northeast of Portland. Closely associated with *Quercus macrocarpa*, *Ulmus americana*, *Fraxinus nigra*, *Aesculus glabra*, *Phlox divaricata*, *Claytonia virginica* and others.

Carex aggregata Mackenzie.

Franklin County, May 17, 1921. No. 33972. Low alluvial bank of the west fork of White Water River two miles south of Laurel.

Carex gravida Bailey.

Fayette County, May 16, 1921. No. 33931. On the low bank of the old canal about one mile south of Connersville. Associated with *Phacelia Purshii*.

Smilax bona-nox Linnaeus.

This species has the base of the stem covered more or less with a dense stellate pubescence. I found the first specimens of this species in 1915 on the wooded bluff of the Ohio River in Crawford County near Leavenworth. I was not able to determine it to my satisfaction, so I set to work to find other locations for this species and collect in quantities until I had over a hundred specimens. I have found also a few specimens on the VanBuren Ridge in Perry County, about seven miles east of Cannelton. It is frequent in Harrison County on the bluff of the Ohio River east of Elizabeth.

Sisyrinchium atlanticum Bicknell.

Cass County, June 7, 1916. No. 20152. Abundant in sandy soil on the south side of Lake Cicott. Lake County, June 5, 1916. No. 20112. In a wet prairie habitat along the railroad just south of Shelby. I also have a specimen collected in the same county by L. M. Umbach, June 19, 1897, from a meadow near Miller. Stark County, June 1, 1916. No. 19913. On the low, sandy border of the southeast side of Bass Lake.

Corallorrhiza Wisteriana Conrad.

Decatur County, May 5, 1912. No. 10450. Collected by Mrs. Chas. C. Deam under a beech tree on the bluff of Flat Rock River about three-fourths of a mile above St. Paul. Dubois County, May 4, 1919. No. 27250. In a white oak woods four miles southwest of Huntingburg. Orange County, May 25, 1901, under a beech tree in a woods near Abbey Dell. Perry County, April 24, 1919. No. 27101. Rare on the wooded slope of the bluff of the Ohio River about six miles above Cannelton. Sullivan County, April 16, 1919. No. 26926. In very sandy soil in the Rose woods about one mile south of Grayville. Closely associated with *Quercus velutina*, *Carya alba*, *Podophyllum* and others.

Salix serissima (Bailey) Fernald.

Lagrange County, May 30, 1916. No. 19882. A tree fifteen feet high and three inches in diameter at breast high, in a pond about one mile south of Mongo. Also found along Pigeon River about one mile east of Mongo. Steuben County, July 24, 1906. No. 1251. On the low border of the west side of Silver Lake.

Polygonum neglectum Besser.

Laporte County, September 15, 1921. No. 34841. Along a woods road in a beech-sugar maple clearing about two miles north of Mill Creek.

Lychnis coronaria (L.) Desr.

Elkhart County, July 2, 1921. No. 34410. A colony of about fifty feet long and ten feet wide on the gravelly wooded bank of the St. Joseph River about one and a half miles northwest of Bristol.

Euphorbia Rafinesquii Greene.

Steuben County, August 29, 1920. No. 32533. Roadside near a crossroads about five miles northeast of Angola.

Euphorbia serpens H. B. K.

Dearborn County, September 21, 1919. No. 30122A. On a rocky bar in Wilson's Creek about one mile northeast of Aurora. Closely associated with *Euphorbia maculata*. Perry County, October 2, 1920. No. 33357. A large prostrate plant, rooting at the nodes, in a cornfield between the road and the Ohio River just east of Deer Creek.

Oenothera pratensis (Small) Robinson.

This is a frequent to a common plant in the southern part of the State. It is especially frequent in the "flats." I suspect that all references to *Oenothera fruticosa* in southern Indiana should be referred to

¹ Bul. Torrey Club. Vol. 46:184:1919.

this species. I have it from Bartholomew, Clark, Crawford, Dubois, Gibson, Jackson, Owen, Posey, Scott, Sullivan and Tipton Counties.

Acerates hirtella Pennell.

All Indiana references to *Acerates floridana*¹ should be transferred to this species. I have specimens from Cass, Elkhart, Jasper, Lake, Laporte, Martin, Newton, Porter, Pulaski, Starke, Tipton, Vigo and White Counties.

Veronica glandifera Pennell.

Pennell¹ has shown that the plants of our area that have been called *Veronica Anagallis-aquatica* should be transferred to *Veronica glandifera*. I have this species from Delaware, Elkhart, Grant, Huntington, Jackson, Kosciusko, Montgomery, Noble, Porter, Shelby (Mrs. Chas. C. Deam), Steuben and Wells Counties.

Aureolaria pedicularia ambigens (Fernald) Pennell.

Recent studies of *Gerardia* (*Aureolaria*) *pedicularia* show that Indiana specimens belong to the glandular variety, *ambigens*. I have specimens from Elkhart, Kosciusko, Lagrange, Lake, Laporte, Marshall, Newton, Porter, Starke and Steuben Counties.

Artemisia ludoviciana Nutt.

Marshall County, September 14, 1921. No. 34761. Common along the railroad and adjoining roadside about one and a half miles southwest of Plymouth.

¹ *Torrey* Vol. 19:170:1919.

