

PLANTS NEW OR RARE TO INDIANA, XVIII

CHAS. C. DEAM, Bluffton, Indiana

Specimens of all of the species reported in this paper are in the Deam Herbarium. The determinations have been checked by specialists.

Thelypteris spinulosa var. *fructuosa* (Gilbert) Fernald. Lagrange County, September 7, 1931, No. 51,032. In a thick, low woods on the George Dutter farm about 4 miles east of Mongo.

Equisetum trachyodon R. Br. Steuben County, September 22, 1931, No. 51,103. Frequent on the low, sandy border of the east side of Lake James, in Pokagon State Park. Determined by J. H. Schaffner.

Lycopodium lucidulum var. *occidentale* (Clute) Wilson. Fountain County, April 22, 1917, No. 22,543. In a moist habitat in moss, near the base of a sandstone ledge on a north slope of Bear Creek near Fountain. Closely associated with *Mitchella repens* and *Polypodium virginianum*. Montgomery County, May 19, 1887, at the "Shades," collected by W. S. Blatchley. Determined by L. R. Wilson.

Lycopodium Selago var. *patens* (Beauv.) Desv. (*Lycopodium lucidulum* var. *porophilum* Lloyd & Underw. of the Indiana flora.) Crawford County, April 20, 1911, No. 7,895. In pockets of the cliffs in the deep ravines about 1 mile east of Tasweli; June 8, 1919, in pockets of the cliffs at "Evergreen Bluffs" about 4 miles southwest of Grantsburg; and June 18, 1927, on a ledge of rock at the base of a cliff along Turkey Creek about 3 miles west of Fredonia. Martin County, in pockets of the cliff along White River about a mile north of Shoals. Determined by L. R. Wilson.

Festuca octoflora Walt. This species has been studied and a variety of it has been described by Fernald (*Rhodora* 34:209-211. 1932). The typical form of the species is found from southern New Jersey to Florida, westward to Texas, and northward to Oklahoma and Indiana. I have specimens from Daviess, Gibson, Knox, Martin, Posey, and Spencer counties.

Festuca octoflora var. *tenella* (Willd.) Fern. This variety ranges from southern Maine, southwestern Quebec to British Columbia and southward to Arkansas, Texas, and California. I have this variety from Allen, Brown, Cass, Clark, Clay, Crawford, Elkhart, Floyd, Harrison, Jackson, Jasper, Kosciusko, Lagrange, Lake, Laporte, Newton, Perry, Pike, Porter, Pulaski, St. Joseph, Steuben, Sullivan, Warren, Washington, and White counties.

POA TRIVIALIS L. This European grass has been reported for Carroll, Floyd, and Marion counties, but we have no specimens from these counties. Cass County, June 5, 1931, No. 50,201. Growing near the water on the muddy, west bank about 50 feet from the mouth of the small creek which empties into Pipe Creek near the bridge at Pipe Creek Falls.

Panicum Tuckermanni Fernald. Cass County, September 28, 1931, No. 51,234. Frequent in a dried up bayou on the southwest side of Lake Cicott.

Lemma cyclostasa (Ell.) Chev. Noble County, July 13, 1931, No. 50,405. In the mill race at Wilmot. Determined by L. E. Hicks.

X Quercus Scheutteii Trel. Lawrence County, June 5, 1932, No. 53,522. A tree in the Salt Creek bottoms about 2.5 miles northwest of Bedford. Collected by Ralph M. Kriebel of Bedford, who kindly permitted me to make this report.

SILENE CSEREI Baumg. Montgomery County, June 5, 1932, No. 52,038. Frequent for a distance of about 50 feet in the ballast of the Monon Railroad about 2 miles south of Linden.

Rosa pimpinellifolia L. Montgomery County, May 19, 1932. No. 51,788. A large colony along the Monon Railroad about 1½ miles south of Ladoga. The colony is far removed from any present habitation and seems to be spontaneous and spreading.

Hibiscus palustris L. This species in southern Indiana has, no doubt, been confused with *Hibiscus Moscheutos* L. It is an inhabitant of low ground and is often surrounded by pin oak, and grows with buttonbush. I have not seen it growing with *Hibiscus militaris*. I have it from Clark, Daviess, Dubois, Greene, Harrison, Knox, Posey, Spencer, Sullivan, Vanderburgh, and Vigo counties.

Polygala Pretzii Pennell. This is a segregate from *Polygala verticillata*. I have it from Allen, DeKalb, Lagrange, Noble, Steuben, and Whitley counties.

Polygala verticillata var. *sphenostachya* Pennell. This is another segregate from *Polygala verticillata*. Newton County, August 30, 1916, No. 21,512. Sandy roadside cut 4.5 miles north and 1.5 miles west of Morocco. Determined by F. W. Pennell.

Sabatia gracilis (Michx.) Salisb. (*Sabbatia campanulata* (L.) Torr.) Daviess County, August 13, 1932. No. 52,742. One large colony at the south side of a low, sandy flat in the Herschel Green woods about 4 miles north of Washington. This plant is usually found in the southeastern part of the United States, but was found growing here with other plants of that area. Some of them are *Rhexia mariana*, *Gaura filipes*, *Hibiscus palustris*, and others.

Dracocephalum speciosum Sweet. This species has not until recently been separated from *Dracocephalum virginianum*. I have it from Adams, Allen, Hamilton, Huntington, Knox, Lake, Marion, Newton, Randolph, Sullivan, and Wells counties.

Dracocephalum virginianum L. Since this species was an aggregate, it is of interest to know the range of this species after the preceding one has been taken from it. I have specimens from Benton, Cass, Clark, Decatur, Fulton, Gibson, Henry, Jasper, Kosciusko, Lawrence, Marshall, Perry, Porter, Posey, Pulaski, Ripley, Starke, Tippecanoe, Tipton, Warren, Wayne, and White.

Stachys Clingmani Small. I have this species from Brown, Clark, and Jennings counties. Determined by Carl Epling.

Stachys hispida Pursh. Clinton County, July 21, 1915, No. 17,642. Roadside 3 miles south of Frankfort. Determined by Carl Epling.

Physalis nyctaginea Dunal. Monroe County, July 4, 1932, No. 38,963. In a shady black and white oak woods about 4 miles east of Bloomington.

Lobelia spicata var. *hirtella* Gray. Lagrange County, July 7, 1920, No. 31,317. Common on the sandy flood plain of Pigeon River 1 mile northwest of Scott. Noble County, July 5, 1920, No. 31,252. Low, marl border of Eagle Lake.

