

## PLANTS NEW OR RARE IN INDIANA—XIV.

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Specimens of the plants reported in this paper are deposited in the Deam Herbarium with the exception noted. The determinations have in all cases been made or checked by specialists and I believe they are correct. The *Carex* were named by Kenneth K. Mackenzie; the *Acalypha* by C. A. Weatherby; the *Perularia*, *Phlox* and *Spiranthes* by E. T. Wherry, and the *Bidens* by Earl E. Sherff.

*Equisetum Nelsoni* (Eaton) Schaffner. Lake County, Sept. 20, 1927, No. 45,442. On an interdune flat just south of Pine. Steuben County, Sept. 20, 1914, No. 15,516. In a dry woods on the east side of Lake James. Whitley County, Sept. 11, 1916, No. 21,754. Low sandy border of the northeast shore of Crooked Lake, near the Noble County line. Determined by John N. Schaffner.

*Lycopodium complanatum* var. *flabelliforme* Fernald. Martin County, June 22, 1927, No. 44,688. On the slope of a stone cut along the abandoned right of way of the B. & O. Railroad about one mile south of Willow Valley. Determined by William R. Maxon.

*Carex albicans* Willd. Jasper County, June 6, 1924, No. 40,543. In a sandy black oak flat about two miles southwest of Tefft, Newton County, May 11, 1919, No. 27,392. Low place in a black oak woods about five miles northwest of Morocco. Porter County, June 4, 1924, No. 40,483. Along the east line of the Dunes State Park. Pulaski County, June 9, 1923, No. 38,839. Right of way of the Penn. Railroad two and a half miles southeast of Volz. Scott County, May 12, 1924, No. 40,137. Frequent in an open white oak woods one-half mile east of Lexington. Starke County, June 6, 1920, No. 30,890. Flat sandy black oak woods three miles southwest of Grovertown. Also in a sterile place in a black-pine oak woods five miles northwest of Knox.

*Carex austrina* (Small) Mackenzie. Benton County, June 19, 1926, No. 43,219. On an open sandy burr oak ridge seven miles east of Fowler.

*Carex Bushii* Mackenzie. Posey County, May 25, 1925, No. 42,929. Common in an open post oak woods on the south side of Half Moon Pond about eight miles southwest of Mt. Vernon. Spencer County, May 28, 1926, No. 43,023. In an open pin-post oak flat about two miles southeast of Dale.

*Carex Hassei* Bailey. Lake County, June 21, 1926, No. 43,294. On an interdune flat about one-fourth mile south of Pine. Newton County, June 3, 1927, No. 44,413. Bottom of old Beaver Lake about five miles southwest of Conrad.

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*Carex heliophila* Mackenzie. Jasper County, June 6, 1924, No. 40,538. In a sandy black oak woods about two miles southwest of Tefft.

*Carex Meadii* Dewey. Benton County, June 3, 1927, No. 44,436. Rare in low ground along the right of way of the Big Four Railroad about one and one-fourth miles northwest of Earl Park. Intimately associated with *C. lanuginosa*. This species was reported for "Sheffield, south to Pine Station; rare" (Lake County) by Higley and Raddin.<sup>1</sup>

*Carex nigro-marginata* Schwein. Crawford County, April 24, 1927, No. 44,074A. Associated with *C. umbellata* Schk. on the top of the wooded bluff of the Ohio River about one-fourth mile north of Fredonia.

*Carex ormostachya* Wiegand. Porter County, May 31, 1927, No. 44,381. Dry place in a beech-sugar maple woods about three and one-half miles northeast of Valparaiso.

*Carex rugosperma* Mackenzie. Lake County, June 5, 1924, No. 40,514. In a sandy black-white oak woods about one mile southwest of Griffith.

*Carex strictior* Dewey. I have this species from Allen, Jasper, Lagrange, Lake, Marshall, Noble, Porter, Starke, Sullivan, Tipton and Wells counties.

*Carex tribuloides* var. *sangamonensis* Clokey. Boone County, June 26, 1926, No. 44,829. About a pond in a woods about one and one-half miles southwest of Advance.

*Perularia scutellata* (Nutt.) Small. Posey County, Sept. 28, 1923, No. 39,915. A thrifty colony growing in a bare place in under a clump of buttonbush in a low woods about ten miles southwest of Mt. Vernon. This low pocket in this swamp must be under water much of the year, since no vegetation was found in it except this orchid which seemed to be at home in it. When collected it was named for me by a specialist as *P. flava*. I transferred some of it to our garden where it has thrived ever since. In September, 1927, E. T. Wherry, who visited our garden, at once recognized this plant as the one reported.

*Spiranthes ovalis* Lindley. Crawford County, Oct. 5, 1920, No. 33,409. Wooded bluff of the Ohio River on the north side of Leavenworth. Spencer County, Oct. 3, 1923, No. 39,962. In rather sandy soil on a wooded slope in Section 3, about three-fourths mile southeast of Enterprise. This species was detected in my herbarium by E. T. Wherry under the name of *S. cernua* which it closely resembles.

*Eleocharis rostellata* Torrey. I have this species from Henry, Lagrange, Marshall and Noble counties. This species has been reported for southwestern Indiana but no definite locality is given. The habitat of this plant is given "as salt marshes and alkaline soil." In the four stations I found it, it was growing in very marly soil, which makes the southwestern record somewhat dubious.

*Aconitum uncinatum* L. C. W. Short in "A Fourth Supplementary Catalogue of the Plants of Kentucky," published in September, 1840,

<sup>1</sup> Bull. Chicago Acad. Sci. 2:134, 1891.

says he found it "in the barrens of Harrison County." In the Philadelphia Academy of Sciences which has Doctor Short's herbarium, I found two plants collected by Short. One was dated Sept., 1840, and collected "in the barrens of Ia. near Corydon." The other dated Oct., 1842, was collected "in the barrens of Indiana near Corydon."

*Acalypha digyneia* Raf. In Indiana this species has been going under the name of *A. gracilens* but it is quite distinct from that species. I have it from the following counties: Clark, Crawford, Dubois, Floyd, Fountain, Franklin, Gibson, Greene, Harrison, Jackson, Jennings, Martin, Monroe, Orange, Owen, Perry, Posey, Spencer and Washington.

*Acalypha virginica* var. *Deamii* Weatherby. I have this variety from Dearborn, Gibson and Spencer counties. The range of this variety is given as southern Indiana, but I am certain I have seen specimens of it in the National Herbarium and in the herbarium of the Missouri Botanical Garden.

*Osmorrhiza longistylis* var. *brachycoma* Blake. Marion County, May 25, 1912, No. 10,643. In the "buzzards' roost" woods about 12 miles northeast of Indianapolis.

*Phlox amplifolia* Britton. I have this species from Crawford, Harrison and Perry counties.

*Scutellaria saxatilis* Riddell. Crawford County, June 9, 1919, No. 27,829. In talus at the base of a cliff along Little Blue River where the Carnes mill was located, about three miles south of Grantsburg. This place was revisited on June 19, 1927, and additional specimens collected. The colony is about the same size as when first discovered. I was not able to find this species elsewhere.

*Diapedium brachiatum* (Pursh) Kuntze. Warrick County, Oct. 2, 1927, No. 45,614. Abundant at and near the base of a wooded slope on the Nathan Taylor farm about one-half mile west of Yankeetown.

*Bidens aristosa* var. *Fritcheyi* Fernald. Ripley County, Sept. 23, 1922, No. 38,126. Roadside ditch three miles southwest of New Marion. Sullivan County, Aug. 24, 1912, No. 12,160. Roadside four miles west of Shelburn.

*Bidens aristosa* var. *mutica* (Gray) Gatt. Porter County, Sept. 15, 1918, No. 26,524. Along the Kankakee River near the Baum Bridge; also found later three miles northeast of Kouts. Vermillion County, Sept. 29, 1912, No. 12,482. In a prairie habitat in wet soil along the roadside about one and one-half miles east of Dana; and later along the roadside one mile south of Toronto.

*Bidens involucrata* var. *retrorsa* Sherff. Owen County, Sept. 22, 1921, No. 35,010. Roadside one-half mile north of Coal City, and frequent in an adjoining field.

