

PLANTS NEW OR RARE IN INDIANA—XIII.

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Specimens of all the plants reported in this paper are in the Deam herbarium, and in most instances one or more duplicates have been sent to the larger herbaria.

Panicum mattamuskeetense Ashe. Porter County, August 13, 1925. Wooded dune near Tremont. The distribution of this species is given as "low moist ground, New York to North Carolina". Determined by A. S. Hitchcock. The credit for finding this plant in the dunes is due to Marcus Lyon, Jr., who has been making an intensive study of the plant life of the new Dunes Park area for the past four years. The dunes record for this plant extends the range of the species more than 500 miles.

Stipa comata Trin. Noble County, July 2, 1924. No. 40,826. On a high gravelly hill on the northeast side of Diamond Lake, about four miles southeast of Ligonier. This is the second record east of the Mississippi River. Determined by Agnes Chase.

Fimbristylis puberula (Michx.) Vahl. Porter County, June 10, 1922. No. 36,435. In a low prairie habitat between the railroad and the highway about a half mile west of Crisman.

Juncus Greenei Oakes and Tuckerman. LaPorte County, June 26, 1922. No. 36,704. This specimen was reported to be *J. dichotomus*, but the one who named it for me later discovered that it is *J. Greenei*, so *J. dichotomus* should be dropped from our flora. *J. Greenei* has been reported only for Lake County.

Stenanthemum gramineum (Ker) Morong. Harrison County, July 15, 1925. No. 41,557. A few plants in a sandy clay soil along the roadside in Sec. 34, about one mile north of Bradford. This is the first authentic record for Indiana. I reported it for the lower Wabash Valley for Schneck from a list he had made, but he had no specimen.

Maianthemum canadense Desf. Fernald has described a variety of this species, and since both the typical form and the variety occur in Indiana, it is necessary to restate the distribution in Indiana. The typical form has the under surface of the leaves smooth. I have specimens from Dekalb, Jefferson, Kosciusko, LaPorte, Marshall, Noble, Porter, St. Joseph and Steuben counties.

Maianthemum canadense var. *interius* Fernald. This variety has the under surface of the leaves pubescent. I have specimens from Allen, Cass, Lagrange, Lake, Noble, Porter and Starke counties.

Dioscorea hirticaulis Bartlett. Spencer County, July 18, 1925. No. 41,644. In a low flat woods in Sec. 24 in the Little Pigeon Creek bottoms

about two and a quarter miles southwest of Hatfield. This species has been reported only for the fall line along the coastal plain of North Carolina, South Carolina and Georgia. This extends the range of this species about 500 miles.

Duchesne indica (Andr.) Focke. Porter County, June 17, 1911. No. 8,763. Roadside bordering an *Alnus incana* swamp near Tamarack stop on the South Shore Traction Line.

Dalea alopecuroides Willd. Clay County, September 11, 1924. Collected by Mrs. Harry Bucklin of Brazil, in Sec. 24 about six miles northeast of Brazil. Reported as frequent along the roadside and in an adjoining fallow field.

Scutellaria parvula Michx. Since the publication of the catalogue of Indiana plants by Coulter a variety of this species has been described which makes desirable a restatement of the distribution of this species. The typical species has a spreading pubescence. I have this form from Elkhart, Floyd, Martin and Perry counties.

Scutellaria parvula var. *ambigua* Fernald. The variety is either smooth or with a sparse appressed pubescence. I have this form from Clark, Crawford, Harrison, Porter, Steuben and Tipton counties.

Prunella vulgaris var. *lanceolata* (Barton) Fernald. Our native plant has been separated from the European *P. vulgaris* which has been reported in some places in the East as a weed in yards and waste places. I have the variety from 52 counties and for years have been on the lookout for the typical form, but have not seen it. Therefore I suspect that all Indiana records for this species should be transferred to the variety.

Mentha longifolia var. *undulata* (Willd.) Fiori & Paoletti. White County, August 4, 1923. No. 39,369. Common along the roadside near a former habitation about two miles northwest of Monticello.

Ray C. Friesner, Professor of Botany in Butler College, has requested me to report the two following plants:

Lythrum Sulicaria L., Marion County, July 1925. This species was taken on several collecting trips along a stream about one mile south-east of Irvington. In all, 30 well established clumps were found scattered along the banks of the stream within a distance of a half mile. A study of the introduction of this species to this locality led to the discovery of a single clump of depauperate plants on an old estate about a half mile up the stream. This clump of plants is located on a slope which drains into the stream, which no doubt accounts for the plants along the stream.

Linaria Elatine (L.) Mill. The range of this plant in Indiana is extended further by Friesner who found it in a pasture field about a half mile north of Tunnel Falls, Clifty State Park, near Madison August 22, 1925. It grew in dense mats over many areas, aggregating several hundred square feet. This additional record for Indiana is given because of its abundance here and of its habit of growing in dense mats, suggesting that it may become a troublesome weed.