
NOTES FROM THE OHIO STATE HERBARIUM. IV.

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During the past year much of the unidentified herbarium material has been studied, and a number of particular genera have been worked over, with the result that several species of flowering plants and ferns are to be added to the state flora. A list of those species with notes on their distribution and their distinguishing characters is here given. Some of them have already been reported in this journal, but for sake of completeness are listed again. In every case the writer is responsible for their identification.

36b. *Asplenium parvulum* Mart. and Gal. Ohio Nat. 5:206.

460a. *Carex alata ferruginea* Fernald. Along Big Darby Creek in Madison County, Professor W. A. Kellerman. The variety, as described by Fernald (Proc. Am. Acad. Arts and Sci. 37:477. 1902.) differs from the species in the spikelets tawny colored from the first, the narrower ovate perigynia about 2.5 mm. wide, and the ovate-lanceolate scales. The species has

spikelets mostly green, perigynia 2.8–3.7 mm. wide, almost orbicular, and narrower scales.

472b. *Mayaca aubleti* Michx. Auglaize County, A. Wetzstein. The occurrence of this aquatic species so far north of its usual range is of much interest.

547a. *Smilax pulverulenta* Michx. Montgomery County, S. E. Horlacher. Distinguished from *Smilax herbacea*, which it closely resembles, by the pubescent lower surface of the leaves.

755a. *Gomphrena globosa* L. An Amaranthaceous plant frequently cultivated for ornament and escaped in Wood County, where it was collected by Professor Kellerman.

877a. *Bocconia cordata* Willd., the Plume Poppy, likewise commonly cultivated, has escaped around London, Madison County, and specimens have been sent to the herbarium by Mrs. K. D. Sharp.

1033a. *Aronia atropurpurea* Britton. Ohio Nat. 5:264.

1058a. *Cassia medsgeri* Shafer. Ohio Nat. 5:264.

1245a. *Hypericum boreale* (Britton) Bicknell. Ohio Nat. 5:249.

1794a. *Xanthium commune* Britton. This, our commonest species of Cocklebur, has generally been confused with *Xanthium canadense*. It is at once recognized by the densely hispid-pubescent spines of the burs; all other species in our region have burs either glabrous or merely puberulent, the hairs never exceeding the diameter of the spines.

1794b. *Xanthium glabratum* (DC.) Britton. Apparently common in southeastern Ohio, extending north and west to Franklin County. It is distinguished by the glabrous burs with beaks straight or nearly so.

1963a. *Bidens elliptica* (Wiegand) Gleason, and 1967a, *Bidens vulgata* Greene, are described in Ohio Nat. 5:316.

Mr. L. D. Stair, of Cleveland, has contributed the following species, all from Cuyahoga County: 131a, *Panicum implicatum* Scribn.; 196a, *Agrostis asperifolia* Trin.; 212c, *Beckmannia crucaeformis* (L.) Host.; 255a, *Festuca capillata* Lam.; *Bromus brizaeformis* Fisch. and Mey.; 265c, *Bromus arvensis* L.; 376a, *Carex tenuis interjecta* (Bailey) Britton; 1303a, *Kneiffia fruticosa pilosella* (Raf.) Britton; 1615a, *Scrophularia leporella* Bicknell; 1893a, *Aster lateriflorus horizontalis* (Desf.) Burgess.

Mr. S. E. Horlacher, of Dayton, has added 757b, *Allionia nyctaginea ovata* (Pursh) Morong; 1650b, *Gerardia tenuifolia asperula* Gray; 1755a, *Cichorium intybus divaricatum* DC.