

PLANTS NOT HITHERTO REPORTED FROM INDIANA.

 BY CHAS. C. DEAM.

The following species are new to the flora of Indiana. The grasses and species of *Crataegus* were determined by the Department of Agriculture Washington, D. C.; the grasses by Agnes Chase, and the *Crataegi* by W. W. Eggleston. Duplicates of all of the species are deposited in the herbarium of that department. The *Carices* were determined by K. K. Mackenzie who retained duplicates for his herbarium. Other determinations are credited to the proper authorities.

Panicum Boscii molle H. & C.

Greene County, May 26, 1912. No. 10,676. In a woods about 1 mile southeast of Bushrod.

Panicum stipitatum Nash.

Washington County, August 16, 1912. No. 12,090. Abundant on the slopes of the bank and riffles of a very small creek, coursing through a cultivated field on the south side of the Henryville road about five miles east of Norris.

Calamagrostis cinnoides (Muhl.) Barton.

Marshall County, July 2, 1911. No. 9,014. In a ditch on the west side of the right of way of the railroad, about two miles south of Culver.

Poa Chapmaniana Scribn.

Clark County, May 8, 1912. No. 10,486. On the sterile wooded slope of the ravine just north of Tract 28 on the Forest Reserve.

Bromus inermis Leyss.

Howard County, July 12, 1912. No. 11,663. Abundant along the right of way of the Lake Erie Railroad for half a mile south of Dyer's Stop on the traction line, and along the roadside east of Dyer's Stop. It forms complete stands and is crowding out the blue grass along the railroad and roadside. The indications are that it may become a pernicious weed.

Fimbristylis Frankii Steud.

Laporte County, August 13, 1911. No. 9,590. On the sandy shore of
C—33213

Pine Lake near Laporte. Associated with *Hemicarpha micrantha*, *Scirpus Smithii* and *Juncus pelocarpus*. Determined by H. H. Bartlett.

Scirpus pedicellatus Fernald.

Brown County, October 15, 1911. No. 10,313. On the top of a hill along Bean Blossom Creek about one-half mile south of Trevlac, in a small depression in a beech woods. Determined by H. H. Bartlett.

Carex abscondita Mack. (*Carex ptychocarpa* Steud.)

Crawford County, May 26, 1911. No. 8,403. In a beech woods one-half mile north of English. Jennings County, June 23, 1912. No. 11,305. In a beech woods along the north fork of the Muscatatuck River about one-half mile above Vernon.

Carex Bebbii Olney.

Noble County, June 20, 1910. No. 6,723. In a swamp about one-half mile northwest of Rome City.

Carex caroliniana Schwein. (*Carex triceps* Smithii Porter).

Greene County, May 26, 1912. No. 10,726. In a moist woods one-mile north of Bushrod. Jackson County, June 6, 1911. No. 8,585. In a woods one-fourth mile south of Chestnut Ridge. Posey County, May 23, 1911. No. 8,304. On the wooded bank of the cypress pond near Bone bank along the Wabash River.

Carex chordorrhiza L. f.

Kosciusko County, June 5, 1912. No. 10,928. Growing in sphagnum moss in a tamarack swamp one mile south of Leesburg.

Carex Emoryi Dewey.

Hamilton County, May 19, 1912. No. 10,548. Collected by Mrs. Chas. C. Deam in a swamp about one-half mile northeast of Carmel.

Carex lacini-ruginata (Kuken) Mack. (*Carex stipitata lacini-ruginata* Kuken).

Decatur County, May 26, 1912. No. 10,738. Collected by Mrs. Chas. C. Deam in a wooded ravine along Flat Rock River about one-half mile above St. Paul. Hendricks County, June 1, 1912. No. 10,881. Collected by Mrs. Chas. C. Deam in a wooded creek bottom along Little Walnut Creek about two miles south of North Salem.

Carex praeixa Dewey. (*Carex diandra ramosa* (Boott) Fernald).

Noble County, June 20, 1910. No. 6,718. In a peat bog about one-fourth mile northwest of Rome City.

Dianthus Armeria L.

Brown County, June 16, 1912. No. 11,180. Roadside and pasture field about three-fourths mile south of Helmsburg. Well established in this place. Dubois County, July 6, 1912. No. 11,615. Roadside and an open woods about three-fourths mile east of Birdseye. Frequent in this locality. Reported by Dr. J. Schneck, in the Lower Wabash Valley.

Crataegus collina Chapman.

Dearborn County, September 21, 1912. No. 12,249. Bank of Laughery Creek about three miles west of Aurora.

Crataegus intricata Lange.

Vermillion County, September 29, 1912. No. 12,492. Bank of a wooded ravine about four miles west of Hillsdale.

Crataegus straminea Beadle.

Brown County, August 25, 1912. No. 12,214. Sterile wooded slope of a wooded ravine about one and half miles east of Helmsburg. Clark County, August 30, 1912. No. 12,253. A shrub about five feet high, on the Forest Reserve.

Potentilla arguta Pursh.

Jasper County, July 30, 1912. No. 11,801. Roadside about four miles west of Remington. Benton County, July 31, 1912. No. 11,819. Roadside about four miles northwest of Fowler. Frequent along roadside ditches in these counties.

Lespedeza Sturci Nutt.

Posey County, September 18, 1911. No. 10,104. In sandy soil on the slope of a cut of the road through the woods, which is located near the Wabash River and about three miles south of New Harmony. Determined by K. K. Mackenzie.

Vitis rotundifolia Michx.

This species was erroneously credited to Indiana in last year's proceedings, and the citations should be referred to *Cissus Ampelopsis* Pers.

Vaccinium arboreum Marsh.

Martin County, June 30, 1912. No. 11,373. On top of the wooded sand stone cliffs of White River about two miles above Shoals. Determined by C. S. Sargent.

Bumelia lycioides (L.) Pers.

Perry County, July 4, 1912. No. 11,507. A shrub about eight feet

high. About three miles east of Cammelton at the base of the river bluffs and near the public road. Duplicate in herb. New York Botanical Gardens.

Mentha gentilis L.

Decatur County, August 13, 1911. No. 9,533a. Collected in the large stone quarry near St. Paul by Mrs. Chas. C. Deam. Determined by B. L. Robinson.

Viburnum Canbyi Rehder.

Clark County, September 24, 1910. No. 7,580. Frequent on or near the banks of some of the small creeks on the Forest Reserve. Ripley County, May 19, 1912. No. 10,558. Wooded bank of creek about one mile west of Morris. Jennings County, August 13, 1912. No. 12,030. Bank of roadside ditch about four miles northeast of Scipio. Brown County, June 16, 1912. No. 11,148. At the base of a wooded ravine about two miles east of Helmsburg. Determined by C. S. Sargent. It is believed that all references to *Viburnum molle* in Indiana should be referred to this species.

Bluffton, Indiana.