

NOTES UPON SOME LITTLE-KNOWN MEMBERS OF THE INDIANA FLORA.

BY CHAS. PIPER SMITH.

As a member of the senior class in botany at Purdue, during the last spring, I began a season of active field work in botany, which circumstances led me to continue through the summer and autumn.

Five weeks during July and August were spent upon the State Forestry Reservation, in Clark County, the major portion of the season, however, after leaving Lafayette in June being spent about Indianapolis.

Britton and Brown's "Illustrated Flora of the Northern States and Canada" was used as the basis of study, the more recent Britton's Manual not being at hand for comparison.

Dr. Coulter's catalogue of the State flora was always referred to as each plant was handled, and it is in reference to this list that I make the following notes.

Most of the plants here considered have been checked over for me by Mr. Bartlett, of the Shortridge High School, and most of the specimens upon which determinations have been based have been laid before Dr. Stanley Coulter and left in his charge.

Carex Baileyi Britton. Bailey's Sedge.

Common about Indianapolis. Taken by Mr. Bartlett and myself along streams and in wet places. Also taken by me upon the Forestry Reservation, where it was first recognized. Not recorded by Dr. Coulter.

Carex Hitchcockiana Dewey. Hitchcock's Sedge.

Taken by me in Tippecanoe County. Noted but once.

Carex Careyana Torr. Carey's Sedge.

Found once in Marion County.

Carex stipata Muhl. Awl-fruited Sedge.

Taken in Tippecanoe County.

Carex vulpinoidea Michx. Fox Sedge.

Taken in Hamilton County.

Carex sterilis Willd. Little Prickly Sedge.

Taken in Tippecanoe County.

Carex Muskingumensis Schwein. Muskingum Sedge.

Taken in Hamilton County, associated with the next.

Carex scoparia Schk. Pointed Broom Sedge.

Carex cristatella Britton. Crested Sedge.

Common in Hamilton and Marion counties. Heretofore unrecorded.

Juncus marginatus aristulatus (Michx.) Coville.

This form of the Grass-leaved Rush was found upon the Reservation. Not reported in the State catalogue.

Quercus Prinus L. Rock Chestnut Oak.

This species is the chestnut oak of the Forestry Reservation. As Dr. Coulter withdraws the record for Tippecanoe County, this form is not definitely recorded from the State, though I am sure that others have recognized it. I have studied the specimens of *Q. Alexandrii* near Lafayette, as also various specimens of *Alexandrii* and *acuminata* about Indianapolis, and I am sure that the Reservation chestnut oaks should be referred to this species.

Sisymbrium altissimum L. Tall Sisymbrium.

Taken by Mr. Benj. W. Douglass and myself along the "Monon," north of the State Fair Grounds, Indianapolis. One fine, large specimen was the only one found.

Agrimonia pumila Muhl. Small-fruited Agrimony.

Taken upon the Reservation. Not very common. Found with *A. mollis*, which was quite common.

Vicia angustifolia Roth. Smaller Common Vetch.

Taken by Mr. Harley, H. Bartlett and myself along the "Monon," north of the State Fair Grounds, Indianapolis.

Hypericum maculatum Walt. Spotted St. John's-wort.

Reported from only one county (Steuben), but frequent in Marion County, and abundant upon the Reservation. *H. perforatum* was also taken in Marion County, and was used for comparative study.

Sarothra gentianoides L. Pine-weed.

Presumably one of the rarest plants of the State. A small patch of plants was found upon the Reservation.

Lechea racemulosa Michx. Oblong-fruited Pin-weed.

Lechea tenuifolia Michx. Narrow-leaved Pin-weed.

These two pin-weeds are common in certain dry, barren areas on the Reservation, and are always associated where found. *L. racemulosa* has not been recorded from the State.

Angelica villosa (Walt.) B. S. P. Pubescent Angelica.

A common plant on the Reservation. An addition to the State flora. *Scutellaria campestris* Britton. Prairie Skullcap.

Noted as common on one barren knob-side upon the Reservation.

First record for the State. *S. parrula* was also taken, in moist soil in the lowlands. The hairy form seems to be well defined.

Stachys ambigua (A. Gray) Britton. Dense-flowered Hedge Nettle.

Taken upon the Reservation. First record for the State.

Salvia lanceolata Willd. Lance-leaved Sage.

Found sparingly at a dumping ground along Fall Creek, at Central Avenue, Indianapolis. Identification verified by Prof. W. S. Blatchley. Second Indiana station of this western plant.

Thysanthes attenuata (Muhl) Small. Short-stalked False Pimpernel.

This easily recognized form was taken upon the Reservation. First record for the State.

