

ADDITIONS TO THE MICHIGAN FLORA AS PUBLISHED IN THE FIFTH REPORT OF THE MICHIGAN ACADEMY OF SCIENCE, 1904.

W. J. BEAL.

The list includes 122 species and varieties of which H. S. Pepoon furnishes 66, collected in Counties Van Buren, Cass and Berrien.

These added to the former list make 2365.

The following seem to be the most interesting.

Andropogon Virginicum L.

Aristida tuberculosa Mutt.

Boltonia asteroides (L) L'Her.

Cassia Chamaecrista L.

Elatine Americana Arn. Growing about an inch high in mud, probably usually overlooked.

Quercus Michauxii Nutt.

Triosteum aurantiacum Bicknell.

Prunus Virginiana L. var. with cream-colored fruit of mild flavor.

Collected at Menominee by A. L. Sawyer.

This variety was collected some years ago in Massachusetts by Mrs. H. L. T. Woolcott, Dedham, Mass.

Agrostis intermedia Scribn.

Upland Bent-grass. Cass Co., H. S. Pepoon.

Andropogon Virginicus L.

Virginia Beard-grass. Keeler, Van Buren Co., H. S. Pepoon.

Antennaria ambigua (Greene) Fernald.

Van Buren Co., H. S. Pepoon.

Antirrhinum majus L. Detroit, O. A. Farwell.

Arctium minus Schk.

Common Burdock, Keeler, Van Buren Co., H. S. Pepoon.

Aristida tuberculosa Nutt.

Sea Beach *Aristida*, Keeler, Van Buren Co., H. S. Pepoon.

Artemisia Pontica L.

Roman Wormwood, Bay City, Geo. M. Bradford.

Ascyrum hyperocoides L.

Near Detroit, O. A. Farwell.

Boltonia asteroides L. L'Her.

Aster-like *Boltonia*, Van Buren Co., H. S. Pepoon.

Briza media L.

Detroit River Front, O. A. Farwell.

Calamagrostis inexpansa A. Gray.

Bog Reed-grass, Keeler, Van Buren Co., H. S. Pepoon.

Campanula uliginosa Ryd.

Van Buren Co., H. S. Pepoon.

Cardamine Pennsylvanica Muhl.

Pennsylvania Bitter Cress. Keeler, Van Buren Co., H. S. Pepoon.

Carex Baileyi Brit.

Van Buren Co., H. S. Pepoon.

Carex conjuncta Boot.

Keeler, Van Buren Co., H. S. Pepoon.

Carex glaucoidea Tuck.

Keeler, Van Buren Co., H. S. Pepoon.

Carex Jamesii Schwein.

Keeler, Van Buren Co., H. S. Pepoon.

Carex paupercula irrigua (Wahl.) Fernald.

Keweenaw Co., O. A. Farwell.

Carex paupercula pallens Fernald.

Keweenaw Co., O. A. Farwell.

Carex marcida Boot.

Thunder Bay Island, Port Huron, C. K. Dodge.

Carex teretiuscula prairea (Dewey). Britton.

Keeler, Van Buren Co., H. S. Pepoon.

Cassia Chamaecristata L.

Partridge Pea. Pipestone, Berrien Co., H. S. Pepoon.

Caucalis nodosa (L) Huds.

In Ballast, Detroit, O. A. Farwell.

Chelone obliqua L. Red Turtle head.

Near Huron River, Ann Arbor, S. Alexander.

Commelina communis L.

Asiatic Day-Flower, Dowagiac, Cass Co., H. S. Pepoon.

Corallorhiza multiflora flavida Peck. Large Coral-root.

Birmingham, S. Alexander.

Crataegus Margaretta Ash.

Dowagiac, H. S. Pepoon.

Cuscuta compacta Juss.

Compact Dodder. Keeler, Van Buren Co., H. S. Pepoon.

Cuscuta paradoxa Raf.

Glomerate Dodder. Berrien Co., H. S. Pepoon.

Dasystoma laevigata Raf.

Birmingham, O. A. Farwell.

Delphinium Ajacis L.

Keeler, Van Buren Co., H. S. Pepoon.

Dipsacus laciniatus L. Lansing, a mile and a half below the College, W.

J. B. Cup-leaved Teasle.

Elatine Americana Arnott.

Mud Purslane, Border Round Lake, Van Buren Co., H. S. Pepoon.

Elatine brachisperma A. Gray.

Border of Lake Anne, Houghton Co., C. E. Davis.

Eleocharis melanocarpa Torr.

Priest's Lake, Cass Co., H. S. Pepoon.

Eleocharis palustris calva A. Gray.

Belle Isle, O. A. Farwell.

Equisetum palustre L.

Marsh Horsetail. Silver Creek, Van Buren Co., H. S. Pepoon.

Euphorbia serpyllifolia Pers.

Thyme-leaved Spurge, Agricultural College, escaped from cultivation
W. J. B.

Euthamia Caroliniana (L) Greene. *Solidago tenuifolia* Pursh.

Slender Fragrant Golden-rod.

Dewey Lake, Cass Co., H. S. Pepoon.

Eupatorium trifoliatum L.

Crenate-leaved Joe-pye weed. Van Buren Co., H. S. Pepoon.

Galinsoga parviflora hispida D. C.

Detroit, O. A. Farwell.

Galium circaezans glabellum Britton.

Van Buren Co., H. S. Pepoon.

Galium Claytoni Michx.

Clayton's Bedstraw, Dewey Lake, Cass Co., H. S. Pepoon.

Galium tricornis Stokes.

In ballast, Detroit, O. A. Farwell.

Genista tinctoria L.

Detroit, O. A. Farwell.

Geranium Carolinianum L.

Carolina Crane's Bill. Cass Co., and Van Buren Co., H. S. Pepoon.

Helianthus annuus L.

Detroit, O. A. Farwell.

Helianthus atrorubens L.

Hairy-Wood Sunflower, Keeler, Van Buren Co., H. S. Pepoon.

Helianthus laetiflorus Pers.

Showy Sunflower, Keeler, Van Buren Co., H. S. Pepoon.

Helianthus lenticularis Dougl.

Ann Arbor, S. Alexander; Ypsilanti, O. A. Farwell.

Helianthus strumosus mollis T. & G.

Ypsilanti, O. A. Farwell; Ann Arbor, S. Alexander.

Heliopsis helianthoides (L.) B. S. P. *H. laevis* Pers, Addison, W. J. B.;

Port Huron, C. K. Dodge.

Hemerocallis flava L.

Yellow Day-Lily. Dowagiac, Cass Co., H. S. Pepoon.

Hemicarpha micrantha (Vahl.) Brit.

Cable Lake, Van Buren Co., H. S. Pepoon.

Hicoria microcarpa (Nutt.) Brit.

Small-fruited Hickory. Keeler, Van Buren Co., H. S. Pepoon.

Hieracium marianum Willd.

Maryland Hawkweed. Keeler, Van Buren Co., H. S. Pepoon.

Hypoxis hirsuta (L.) Coville.

Star grass. Keeler, Van Buren Co., H. S. Pepoon.

Ilex Bronxensis Britton.

Cass Co., H. S. Pepoon.

Juncus marginatus aristatus (Michx.) Coville, Detroit, O. A. Farwell.

Kneiffia linearis (Michx.) Beach.

St. Clair Co., C. K. Dodge.

Lactuca Morssii Robinson. Morss Wild Lettuce.

Turin, U. P., Brunson Barlow.

Lechea racemulosa Michx.

Oblong-fruited Pin-weed, H. S. Pepoon.

Lycopus Virginicus L. Purple Bugle Weed. Near Magician Lake, Van Buren Co., H. S. Pepoon.

Mitchella repens alba.

Partridge-berry. Fruit white, Mrs. Helen W. Paul, Ontonagon.

Naias gracillima (A. Br.) Morong.

Thread-like Naias, H. S. Pepoon.

Onagra biensis cruciata (L.)

Belle Isle, Detroit. O. A. Farwell.

- Onagra biennis grandiflora* (Ait.) Lind. Detroit. O. A. Farwell.
Onagra biennis muricata L.
 Keweenaw Co., O. A. Farwell.
Onagra biennis parviflora.
 Detroit, O. A. Farwell.
Panicularia Torreyana.
 Van Buren Co., H. S. Pepoon.
Panicum Ashei G. Pearson.
 Ashe's Panicum (No specimen), H. S. Pepoon.
Panicum barbulatum Michx.
 Keeler, Van Buren Co., H. S. Pepoon.
Panicum lanuginosum Ell. Van Buren Co., H. S. Pepoon.
Panicum laxiflorum Lam.
 Lax-flowered Panicum (No specimen), H. S. Pepoon.
Panicum microcarpon Muhl.
 Keeler, Van Buren Co., H. S. Pepoon.
Panicum pubescens Lam.
 Pine Lake, Van Buren Co., H. S. Pepoon.
Parietaria Pennsylvanica Muhl.
 Pennsylvania Pellitory. Keeler, Van Buren Co., H. S. Pepoon.
Polygala cruciata L.
 Cross-leaved Milkwort. Sandy Shore, Dewey Lake, Cass Co., H. S. Pepoon.
Polygonum punctatum lepostachyum (Meisn.) Small.
 Belle Isle, O. A. Farwell.
Potamogeton lonchitis L.
 Detroit, O. A. Farwell.
Potamogeton nitens L.
 Detroit, O. A. Farwell.
Prunus avium L.
 Mazard Cherry, near Magician Lake, Cass Co., H. S. Pepoon.
Prunus cerasifera Ehrh.
 Belle Isle, Detroit, O. A. Farwell.
Prunus Virginiana L.
 Choke Cherry, Variety with cream colored fruit of mild flavor. A. L.
 Sawyer, Attorney, Menominee.
Quercus Michauxii Nutt.
 Cow Oak, Basket Oak, Moist wood. N. Keeler, Van Buren Co., very rare,
 H. S. Pepoon.
Ranunculus Macounii Brit.
 Macoun's Buttercup. Hartford, Van Buren Co., H. S. Pepoon.
Rhynchospora corniculata (Lam.) A. Gray.
 Horned Rush. Fox Lake, Van Buren Co., H. S. Pepoon.
Rhexia Virginica L.
 Detroit, O. A. Farwell.
Rhus glabra borealis Britt.
 Belle Isle, Detroit, O. A. Farwell.
Robinia hispida L.
 Rose Acacia, Keeler, Van Buren Co., H. S. Pepoon.
Robinia viscosa Vent.
 Clammy Locust. Near Silver Creek, Cass Co., H. S. Pepoon.
Rosa lucida Ehrh.
 Glossy Rose. Van Buren Co., H. S. Pepoon.

- Rotala ramosior* (L) Koehne.
Van Buren Co., H. S. Pepoon.
- Rubus Alleghaniensis* Porter.
Keweenaw Co., O. A. Farwell.
- Rudbeckia Sullivantii* Boynton & Beadle.
North Lansing on River bank. Inserted in last catalogue as *R. speciosa*.
W. J. B.
- Salix eriocephala* Michx.
Pussy Willow. Van Buren Co., H. S. Pepoon.
- Salix fluviatilis* Nutt.
Sand bar Willow. H. S. Pepoon.
- Salix servissima* (Bailey) Fernald.
Lakeville. Brotherton & Farwell.
- Scandix Pecten-Veneris* L.
In Ballast. Detroit, O. A. Farwell.
- Scleria pauciflora* Muhl.
Nut-rush. Keeler, Van Buren Co., H. S. Pepoon.
- Sida spinosa* Lin.
Detroit, O. A. Farwell.
- Sisymbrium canescens* Nutt.
Thunder Bay Island, C. F. Wheeler.
- Smilax pulverulenta* Michx.
Dowagiac, H. S. Pepoon.
- Solidago juncea ramosa* Porter.
Detroit, O. A. Farwell.
- Solidago rigidiuscula* (T. & G.) Porter.
Keeler, Van Buren Co., H. S. Pepoon.
- Specularia perfoliata* (L.) A. DC.
Venus' Looking Glass. Keeler, Van Buren Co., H. S. Pepoon.
- Stenophragma Thaliana* (L.) Celak. *Arabis Thaliana* L.
Mouse-ear Cress. H. S. Pepoon.
- Symphoricarpos recemosus* L.
Snow-berry. Silver Creek, Cass Co., H. S. Pepoon.
- Taraxacum erythrospermum* Andrez.
Previously only found in Wayne Co., Berrien Co., H. S. Pepoon.
- Teucrium menthifolium* Bicknell.
Detroit, O. A. Farwell.
- Triosteum aurantiacum* Bicknell.
Scarlet-fruited Horse-Gentian. Keeler, Van Buren Co., H. S. Pepoon.
- Tunica Saxifraga* Scop.
Escaped from cultivation, Mrs. Ralph Ballard, Niles.
- Utricularia biflora* Lam.
Two-flowered Bladder-wort. Silver Creek, Van Buren Co., H. S. Pepoon.
- Vaccinium atrococcum* (A. Gray) Heller.
Black Blueberry. Keeler, Van Buren Co., H. S. Pepoon.
- Verbesina alternifolia* (L.) Britt.
Ypsilanti, O. A. Farwell; Ann Arbor, S. Alexander.
- Vernonia Illinoensis* Gleason, *V. grandiflora*, O. A. Farwell.
- Vernonia Noveboracensis* (L.) Willd.
Detroit, O. A. Farwell.
- Viburnum dentatum* L.
Arrow-wood. N. Keeler, Van Buren Co., H. S. Pepoon.
- Washingtonia divaricata* Britt.
Thunder Bay Island, Alpena Co., C. K. Dodge.