

ADDITIONS TO THE FLORA OF THE LOWER WABASH VALLEY, BY DR.  
J. SCHNECK.

BY CHAS. C. DEAM.

Among some volumes which I recently purchased from the library of the late Dr. J. Schneck is a copy of "The Flora of the Wabash Valley Below the Mouth of White River, by Dr. J. Schneck," published in the 7th report of the Indiana Geological Survey, 1875, in which Dr. Schneck made numerous annotations and additions. Believing that these notes and additions are of sufficient interest and value to justify their publication at this time, the following list has been prepared, which excludes those reported in the Botanical Gazette, Volume 1, page 83. The nomenclature adopted is that of Gray's Manual, 7th edition.

- Cystopteris bulbifera* (L.) Bernh. Hanging Rock.  
*Potamogeton foliosus* Raf.  
*Potamogeton pusillus* L. 1887.  
*Zaichinella palustris pedunculata* J. Gay. In muddy water at Grand Rapids, August 1880.  
*Najas flexilis* (Willd.) Rostk. & Schmidt. October 18, 1880.  
*Tripsacum dactyloides* L. July.  
*Paspalum laeve* Michx.  
*Paspalum mucronatum* Muhl.  
*Panicum anceps* Michx.  
*Panicum dichotomiflorum* Michx.  
*Leersia lenticularis* Michx. September 25, 1878.  
*Muhlenbergia Schreberi* J. F. Gmel.  
*Muhlenbergia sobolifera* (Muhl.) Trin.  
*Muhlenbergia sylvatica* Torr.  
*Sporobolus asper* (Michx.) Kunth.  
*Sporobolus vaginiflorus* (Torr.) Wood.  
*Agrostis perennans* (Walt.) Tuckerm.  
*Calamagrostis canadensis* (Michx.) Beauv.  
*Sphenopholis pallens* (Spreng.) Scribn. 1887.

- Eragrostis megastachya* (Koeler) Link.  
*Glyceria canadensis* (Michx.) Trin.  
*Festuca octoflora* Walt.  
*Bromus ciliatus* L.  
*Agropyron Smithii* Rydb. Embankment of the Southern Railroad,  
 east of Mt. Carmel, June 25, 1900.  
*Cyperus filiculmis* Vahl.  
*Dulichium arundinaceum* (L.) Britt.  
*Eleocharis acicularis* (L.) R. & S. Margin of Burnett's pond in Gib-  
 son County, Indiana. August 11, 1891.  
*Eleocharis olivacea* Torr.  
*Eleocharis palustris* (L.) R. & S.  
*Eleocharis rostellata* Torr.  
*Scirpus fluviatilis* (Torr.) Gray.  
*Carex alata* Torr.  
*Carex bromoides* Schkuhr.  
*Carex canescens* L.  
*Carex Davisii* Schwein. & Torr.  
*Carex filiformis* L.  
*Carex Frankii* Kunth.  
*Carex hystericina* Muhl.  
*Carex lanuginosa* Michx.  
*Carex lurida* Wahl.  
*Carex lupulina* Muhl.  
*Carex pallescens* L.  
*Carex pennsylvanica* Lam.  
*Carex retroflexa* Muhl.  
*Carex riparia* W. Curtis.  
*Carex rosea radiata* Dewey.  
*Carex stricta* Lam.  
*Peltandra virginica* (L.) Kunth.  
*Lemna trisulca* L. Cypress pond.  
*Wolffia columbiana* Karst. 1891.  
*Juncus effusus* L.  
*Juncus nodosus* L.  
*Luzula campestris* (L.) DC.  
*Stenanthium gramineum* (Ker.) Kunth.

- Allium vineale* L. 1896.  
*Yucca filitomentosa* L. Escaped from yards and cemeteries.  
*Smilax pseudo-china* L.  
*Smilax Walteri* Pursh. In low, damp woods about Dan's pond in  
 Knox County, Indiana. August 13, 1900.  
*Orchis spectabile* L.  
*Habenaria flava* (L.) Gray. Border of Foote's pond in Posey County,  
 Indiana. July 14, 1877.  
*Quercus Michauxii* Nutt. Gibson County, Indiana.  
*Quercus texana* Buckley.  
*Comandra umbellata* (L.) Nutt.  
*Chenopodium Botrys* L.  
*Anychia canadensis* (L.) BSP.  
*Stellaria media* (L.) Cyrill.  
*Cerastium nutans* Raf.  
*Silene regia* Sims. July 2, 1879.  
*Dianthus Armeria* L.  
*Nymphae advena variegata* (Engelm.) Fernald. Not rare, in all de-  
 grees of dark purple to yellow.  
*Ranunculus circinatus* Sibth.  
*Ranunculus laxicaulis* (T. & G.) Darby.  
*Cocculus carolinus* (L.) DC.  
*Papaver dubium* L. In Shannon's lot. June 5, 1879.  
*Sisymbrium canescens* Nutt. May 20, 1887.  
*Sisymbrium Thalianum* (L.) J. Gay.  
*Barbarea vulgaris* R. Br. In Harrington's meadow. 1904.  
*Arabis dentata* T. & G.  
*Cleome serrulata* Pursh. 1888 and 1894.  
*Saxifrage virginiensis* Michx. This may be pennsylvanica L.  
*Gillenia stipulata* (Muhl.) Trel. June 10, 1879.  
*Amelanchier canadensis* (L.) Medic.  
*Potentilla monspeliensis norvegica* (L.) Rydb.  
*Geum canadense* Jacq. 1879.  
*Prunus angustifolia* Marsh. French or Chicasaw plum.  
*Mellilotus officinalis* (L.) Lam.  
*Desmodium viridiflorum* (L.) Beck.  
*Lespedeza procumbens* Michx.

- Vigna sinensis* (L.) Endl. Escaped, 1898.  
*Amphicarpa Pitcheri* T. & G.  
*Polygala verticillata* L.  
*Croton capitatus* Michx.  
*Euphorbia Cyparissias* L.  
*Euphorbia humistrata* Engelm.  
*Callitriche deflexa* Austrina (Engelm.) Hegelm. May, 1879.  
*Rhus copallina* L.  
*Vitis cinerea* Engelm.  
*Vitis palmata* Vahl.  
*Viola lanceolata* L.  
*Didiplis diandra* (Nutt.) Wood. In a pond along the Southern Railroad east of Mt. Carmel. July 24, 1897.  
*Rotala ramosior* (L.) Koehne. Rare. October, 1888.  
*Oenothera laciniata* Hill. In sandy soil near Lyles Station in Gibson County, Indiana. July 10, 1895.  
*Oenothera speciosa* Nutt. 1893.  
*Myriophyllum heterophyllum* Michx.  
*Sanicula canadensis* L.  
*Thaspium barbinode* (Michx.) Nutt. Near the mouth of White River. Not rare there. May 22, 1887.  
*Hottonia inflata* Ell.  
*Lysimachia thrysiflora* L. May, 1881.  
*Vinea minor* L. About open and grassy places.  
*Asclepias amplexicaulis* Sm.  
*Cuscuta Cephalanthi* Engelm.  
*Cuscuta Coryli* Engelm.  
*Cuscuta Epithymum* Murr. On clover on the Keene farm.  
*Cuscuta obtusiflora* HBK.  
*Hydrophyllum canadense* L. June 4, 1896.  
*Ellisia Nyctelea* L. Near Cypress pond. 1888.  
*Lithospermum arvense* L. May 15, 1879.  
*Lithospermum canescens* (Michx.) Lehm.  
*Trichostema dichotomum* L. In Wabash County, Illinois.  
*Lamium amplexicaule* L. April, 1878.  
*Salvia azurea grandiflora* Benth. On the farm of Martin Myer. June 30, 1896.

- Melissa officinalis* L. Along streets and old roads. June-Sept.  
*Physalis subglabrata* Mack. & Bush. July 28, 1882.  
*Datura Metel* L. Occasionally spontaneous.  
*Bacopa rotundifolia* (Michx.) Wettst. August, 1888.  
*Gratiola sphaerocarpa* Ell.  
*Gerardia auriculata* Michx.  
*Utricularia cleistogama* (Gray) Britton. In mud where there had  
been several feet of water. Gibson County, Indiana, October 9,  
1901.  
*Utricularia gibba* L. In pond along the Southern Railroad, about  
three miles east of Mt. Carmel.  
*Orobanche ludoviciana* Nutt.  
*Plantago aristata* Michx. June, 1883.  
*Plantago elongata* Pursh.  
*Plantago lanceolata* L.  
*Galium triflorum* Michx. August 5, 1887.  
*Eupatorium altissimum* L.  
*Kuhnia eupatoides* L.  
*Chrysopsis villosa* Nutt. August, 1878.  
*Solidago speciosa* Nutt.  
*Aster laevis* L. On the Walter farm. October 9, 1878.  
*Polymnia canadensis* L.  
*Xanthium echinatum* Murr. River bottoms. 1877.  
*Rudbeckia speciosa* Wenderoth.  
*Bidens discoidea* (T. & G.) Britt.  
*Chrysanthemum Leucanthemum* L.  
*Senecio glabellus* Poir.  
*Cirsium arvense* (L.) Scop. 1887.  
*Cirsium spinosissimum* (Walt.) Scop. June 18, 1878.  
*Tragopogon porrifolius* L.  
*Sonchus oleaceus* L.  
*Lactuca Scariola* L. Found for the first time near the shops of the  
Big Four Railroad, July 31, 1891.

Bluffton, Indiana.

