

ADDITIONS AND ANNOTATIONS TO MR. LAPHAM'S CATALOGUE OF ILLINOIS  
PLANTS.

BY FREDERICK BRENDEL, of Peoria, Illinois.

In my account of the geographical distribution of trees and shrubs of Illinois, the reader will find some species which are not named in Mr. Lapham's Catalogue. Here I will add the omitted herbaceous plants. But for the first a few remarks about the northern or southern limits within the state. I do not know the line between North and South Illinois Mr. Lapham had in mind when he distinguished the southern and northern species by the letters S. and N. Anyhow, the following of both grow around Peoria:

*Anemone Caroliniana*, Walt. Common.

*Sida spinosa*, L. Introduced. Common.

*Abutilon Avicennæ*, Gærtn. Introduced. Common.

*Polygala Senega*, L. Not rare.

*Crotalaria sagittalis*, L. Rare.

*Psoralea floribunda*, Nutt. Southward to St. Clair Co.

*Desmodium paniculatum*, D. C.

*Spirœa Aruncus*, L.

*Gaura biennis*, L. Common.

*Heracleum lanatum*, Michx.

*Aralia nudicaulis*, L.

*Buchnera Americana*, L. Rare.

*Cynoglossum Morisoni*, D. C. Common.

*Solanum Carolinense*, L. Common.

*Gentiana alba*, Muhl.

*Aristolochia serpentaria*, L.

*Euphorbia cyathophora*, Jacq.

*Euphorbia dentata*, Michx.

*Cyperus ovularis*, Torr.

*Thaspium barbinode*, Nutt. I have seen in Clayton county, Iowa, beyond the north line of Illinois.

*Verbena hastata*, L., and *urticifolia*, L., are indigenous North American plants, not introduced, as indicated in Lapham's Catalogue and in Gray's Manual, certainly not from Europe. There are only two European verbena, *Verbena supina*, L., and *Verbena officinalis*, L., which is a cosmopolite.

## SPECIES, WHICH ARE OMITTED:

- Delphinium exaltatum, Ait. Washington co., *fide* Dr. Welsch.  
 Nasturtium sinuatum, Nutt. Peoria.  
 Nasturtium sessiliflorum, Nutt. Peoria.  
 Hypericum adpressum, Bart. St. Clair co.  
 Hypericum ellipticum, Hook. St. Slair co.  
 Hypericum dolabriforme, Vent. St. Clair co.  
 Hypericum nudiflorum, Michx. St. Clair co. } *fide* Dr. Welsch.  
 Elodea petiolata, Nutt. St. Clair co. }  
 Sagina nodosa, Tenzl. St. Clair co., received from Dr. Welsch.  
 (But the petals shorter than the calyx; perhaps *Sagina saxatilis*,  
 Wimmer; but the stem not creeping.)  
 Malva silvestris, L. Introduced.  
 Floerkea proserpinacoides, Willd. Tazewell co.  
 Trifolium arvense. Tazewell co. Introduced.  
 Melilotus alba, Lam. Introduced.  
 Desmodium ciliare, D. C. St. Clair co.  
 Desmodium marilandicum, Boot. St. Clair co.  
 Vicia Americana, Muhl. Peoria.  
 Lathyrus palustris, L. Peoria.  
 Baptisia tinctoria, R. Br. St. Clair co., *fide* Dr. Welsch.  
 Geum album, Gm. St. Clair co.  
 Gaura filipes, Spach. St. Clair co., *fide* Dr. Welsch.  
 Mitella diphylla, L. Common.  
 Archangelica atropurpurea, Hoffm. Peoria and St. Clair co.  
 Aethusa cynepium, L. Introduced.  
 Galium concinnum, Torr. & Gr. Peoria and St. Clair co.  
 Tedia radiata, Michx. St. Clair co.  
 Elephantopus Caroliniana, Willd. St. Clair co.  
 Aster macrophyllus, L. Peoria.  
 Lobelia Kalmii, L. Tazewell co.  
 Lysimachia longifolia, Pursh. Woodford co.  
 Utricularia subulata, L. St. Clair co., *fide* Dr. Welsch.  
 Linaria vulgaris, Mill. Introduced.  
 Scutillaria parvula, Michx. Peoria. Common.  
 Phlox maculata, L. Woodford co. and St. Clair co.  
 Phlox reptans, Michx. Very common.  
 Phacelia bipinatifida, Michx. St. Clair co., *fide* Dr. Welsch.  
 Obolaria Virginica, L. St. Clair co.  
 Asclepias phytolaccoides, Pursh. Peoria.  
 Callitriche verna, L. St. Clair co. } *fide* Dr. W.  
 Callitriche autumnalis, L. var linearis. St. Clair co. }  
 Calla palustris, L. St. Clair co.  
 Symplocarpus foetidus, Salisb. Peoria.  
 Cypripedium arietinum, R. Br. }  
 Platanthera flava, Gray. } St. Clair co., *fide* Dr. Welsch.  
 Platanthera lacera, Gray }  
 Platanthera hyperborea, Linde. }  
 Smilax hispida, Muhl. Peoria.

- Trillium nivale, Riddell. Peoria.  
 Liliun superbum, L. Tazewell co.  
 Eleocharis intermedia, Schult. } St. Clair Co.  
 Eleocharis olivacea, Torr. }  
 Agrostis perennans Tuckerm. Peoria.  
 Paspalum Frankii, Steud. St. Clair co.  
 Panicum anceps, Michx. Peoria.  
 Equisetum limosum, L. Peoria.  
 Equisetum variegatum, Schleich. Peoria.  
 Strnthiopteris germanica, Willd. Peoria.  
 Asplenium ebeneum, Ait. St Clair co., *vide* Dr. Welsch.

MOSSES OCCURRING AROUND PEORIA.

- Physcomitrium turbinatum, Brid.  
 Ceratodon purpureus, Brid.  
 Weissia viridula, Brid.  
 Drummondia clavellata, Hook.  
 Leptotrichum pallidum, Hmp.  
 Barbula unguiculata, Hdwg.  
 Catharinea angustata, Hook.  
 Bartramia pomiformis, Hdwg. B *crispa*.  
 Mnium cuspidatum, Hdwig.  
 Bryum cespiticium, L.  
 Funaria hygrometrica, Hedw.  
 Timmia megapolitano, Hdwg.  
 Angstroemia varia, C. Mull.  
 Pylaisæa intricata, Br. Eur.  
 Neckera pseudalopecura, C. Mull.  
 Neckera cladorrhizans, Hedw.  
 Neckera sedutrix, Hedw.  
 Climacium Americanum, Brid.  
 Hypnum rostratum, P. B.  
 H. orthocladon, P. B.  
 H. gracile, Br. & Schmp.  
 H. hispidulum, Brid.  
 H. serrulatum, Hedw.  
 H. acuminatum, P. B.  
 H. adnatum, Hedw.  
 H. chrysophyllum, Brid.  
 H. tamariscinum, Hedw.