
A PROPOSED LIST OF PLANTS TO BE EXCLUDED FROM THE OHIO CATALOG.

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In the December, 1908, OHIO NATURALIST, the writer published a paper entitled "Plants in the Ohio State List not Represented in the State Herbarium." In response to the request for information in regard to these plants a number of botanists have contributed data and specimens which establish a number of species as undoubted members of our flora. In the meantime, considerable work has been done on the plants of the state and the entire state herbarium has been studied more or less critically some of the more difficult groups by specialists. Many species represented by herbarium specimens cannot stand because of wrong identification. The present list is published with the hope that some may still be verified before publication of a new catalog of Ohio plants. Some records are based on fragmentary or imperfect specimens. In the future, all additions should be based on specimens about whose identification there can be no reasonable doubt. It is proposed, therefore, to exclude all of the species named below unless definite evidence of their existence in Ohio as indicated by herbarium specimens is forthcoming.

Probably some species should have been retained without question but it is evident that the only way to obtain a reliable

catalog is to use rather drastic measures. It will be easier to restore names to the list than to continue names whose standing is problematical and serve no purpose except to confuse the plant-geographers and ecologist. So far as the exclusion of foreign weeds and cultivated plants is concerned, if the list is not to represent known herbarium specimens a much larger number of probable species might be added. But it is believed that zeal for accuracy is more commendable than enthusiasm for new records and large numbers. The writer will greatly appreciate information which will tend to establish any species in the following list as a native or introduced Ohio plant:

- Acer pennsylvanicum* L. No specimens.
Achroanthes monophylla (L.) Greene. No specimens.
Aconitum uncinatum L. No specimens.
Adopogon carolinianum (Nutt.) Britt. No specimens.
Agrimonia pumila Muhl. The specimen so labeled is *A. mollis* (T. & G.) Britt.
Agrostis asperifolia Trin. No specimens.
Allionia nyctaginea ovata (Pursh) Morong. The specimen labeled thus is the species.
Allium stellatum Ker. No specimens.
Alopecurus pratensis L. No specimens.
Alsine boreale (Bigel.) Britt. Beyond our range.
Alsine longipes (Goldie) Cov. Beyond our range. A specimen so labeled is too immature for determination.
Amaranthus crispus (Lesp. & Thev.) Br. No specimens.
Amaranthus lividus L. Beyond our range.
Amphichris dracunculoides (DC.) Nutt. No specimens.
Artemisia abrotanum L. No specimens.
Artemisia absinthium L. No specimens.
Artemisia canadensis Mx. No specimens.
Asrum reflexum ambiguum Bickn. No specimens.
Asplenium fontanum (L.) Bernh. No specimens. Ohio record probably a mistake of labeling.
Aster acuminatus Mx. No specimens.
Aster claytoni crispens Burg. No specimens.
Aster cordifolius polycephalus Port. No specimens.
Aster divaricatus persaliens Burg. No specimens.
Aster dumosus L. No specimens.
Aster novi-belgii L. No specimens.
Aster novi-belgii laevigatus (Lam.) Gr. No specimens.
Aster ptarmicoides (Nees) T. & G. No specimens.
Aster salicifolius stenophyllus (Lindl.) Burg. No specimens.
Avena fatua L. No specimens.
Betula populifolia Marsh. No specimens.
Bicuculla eximia (Ker.) Millsp. No specimens.

- Bidens leavis* (L.) B. S. P. Beyond our range.
Blephariglossis grandiflora (Bigel.) Rydb. No specimens.
Bromus arvensis L. The specimen so labeled is *B. racemosus*.
Bromus asper Murr. No specimens.
Bromus breviaristatus (Hook.) Buckl. No specimens.
Broussonetia papyrifera (L.) Vent. No specimens.
Carex bullata Schk. No specimens.
Carex careyana Torr. No specimens.
Carex caroliniana Schw. No specimens.
Carex chordorhiza L. f. No specimens.
Carex deflexa Hornem. No specimens.
Carex formosa Dew. No specimens.
Carex goodenovii J. Gay. No specimens.
Carex interior capillacea Bail. No specimens.
Caerx novae-angliae Schw. No specimens.
Carex setacea Dew. No specimens.
Carex styloflexa Buckl. No specimens.
Carex tenella Schk. No specimens.
Carex tenera Dew. No specimens.
Carex tenuiflora Wahl. No specimens.
Carex umbellata Schk. No specimens.
Carex xanthocarpa Bickn. No specimens.
Castanea pumila (L.) Mill. No specimens.
Centaurea nigra L. No specimens.
Cerastium viscosum L. No specimens.
Chenopodium urbicum L. No specimens.
Chrysopsis grammifolia (Mx.) Nutt. No specimens.
Cinna latifolia (Trev.) Griseb. No specimens.
Claytonia caroliniana Mx. No specimens.
Claytonia perfoliata Donn. No specimens.
Clintonia borealis (Ait.) Raf. No specimens.
Cincus benedictus L. No specimens.
Convolvulus repens L. No specimens.
Corallorhiza corallorhiza (L.) Karst. No specimens.
Cornus baileyi Coult. & Evans. The specimen in the herbarium is from a cultivated plant.
Corylus rostrata Ait. No specimens.
Crepis tectorum L. No specimens.
Cyperus dentatus Torr. No specimens.
Cyperus ovularis (Mx.) Torr. No specimens.
Delphinium consolida L. All the specimens so named are *D. ajacis* L.
Delphinium carolinianum Walt. Beyond our range.
Deschampsia caespitosa (L.) Beauv. No specimens.
Eleocharis interstincta (Vahl.) R. & S. No specimens.
Eleocharis rostellata Torr. No specimens.
Equisetum scirpoides Mx. No specimens.

- Eriophorum vaginatum* L. No specimens.
Eriophorum gracile Koch. No specimens.
Eriophorum virginicum album Gr. No specimens.
Eupatorium serotinum Mx. No specimens.
Fragaria vesca L. No specimens.
Galium vernum L. No specimens.
Gentiana detonsa Rottb. No specimens.
Geranium dissectum L. No specimens.
Gerardia besseyana Britt. No specimens.
Geum macrophyllum Willd. Beyond our range.
Gifolia germanica (L.) Dum. No specimens.
Gratiola aurea Muhl. No specimens.
Gutierrezia texana (DC.) T. & G. No specimens.
Hedeoma hispida Pursh. Beyond our range.
Helianthus atrorubens L. No specimens.
Helianthus ambiguus (T. & G.) Britt. No specimens.
Heliotropium indicum L. No specimens.
Heliotropium anchusifolium Poir. No specimens.
Heteranthera reniformis R. & P. No specimens.
Hieracium greenii Port. & Britt. No specimens.
Houstonia tenuifolia Nutt. No specimens.
Hyoscyamus niger L. No specimens.
Hypericum adpressum Bart. The specimen so named is probably *H. perforatum* L.
Juncus filiformis L. No specimens.
Juncus stygius L. No specimens.
Juncus brachycarpus Engl. No specimens.
Kneiffia linearis (Mx.) Spach. Beyond our range.
Kuhnistera candida (Willd.) Ktz. No specimens.
Lacinaria pycnostachya (Mx.) Ktz. No specimens.
Lactuca pulchella (Pursh) DC. No specimens.
Leontodon hastilis L. The plant so labeled is *L. nudicaule* (L.) Port.
Ligusticum scoticum L. No specimens.
Ligusticum canadense (L.) Britt. No specimens.
Limnanthemum lacunosum (Vent.) Griseb. No specimens.
Lithospermum linearifolium Goldie. No specimens.
Lobelia nuttallii R. & S. Beyond our range.
Lycopodium annotinum L. No specimens.
Lycopus europaeus L. No specimens.
Mariana mariana (L.) Hill. No specimens.
Meibomia arenicola Vail. The plant so labeled is probably *M. marylandica* (L.) Ktz. or *M. obtusa* (Muhl.) Vail.
Mentha aquatica L. No specimens.
Mentha sativa L. No specimens.
Mitella nuda L. No specimens.
Monarda citriodora Cerv. No specimens.

- Myosotis palustris* (L.) Lam. No specimens.
Myrica cerifera L. No specimens.
Myriophyllum tenellum Bigel. No specimens.
Nabalus serpentarius (Pursh) Hook. No specimens.
Nymphaea kalmiana (Mx.) Sims. No specimens.
Ophioglossum engelmanni Prantl. Wrong identification.
Onosmodium virginianum (L.) DC. No specimens.
Orchis rotundifolia Pursh. No specimens.
Oryzopsis juncea (Mx.) B. S. P. No specimens.
Oryzopsis asperifolia Mx. No specimens.
Oxycoccus oxycoccus (L.) MacM. No specimens.
Panicularia obtusa (Muhl.) Ktz. No specimens.
Panicum lanuginosum Ell. No specimens.
Panicum pseudopubescens Nash. No specimens.
Panicum xanthophysum Gr. No specimens.
Papaver dubium L. No specimens.
Parthenocissus quinquefolia laciniata Planch. No specimens.
Paspalum setaceum Mx. No specimens.
Peramium repens (L.) Salisb. No specimens.
Phaseolus polystachyus (L.) B. S. P. No specimens.
Philadelphus grandiflorus Willd. Beyond our range.
Philadelphus inodorus L. No specimens.
Plantago elongata Pursh. No specimens.
Poa debilis Torr. No specimens.
Polygala incarnata L. No specimens.
Polygonum careyi Olney. No specimens.
Polygonum cilinode Mx. No specimens.
Polygonum ramosissimum Mx. This is a salt marsh plant. The specimen so named is *P. camporum* Meisn.
Potamogeton spirillus Tuck. No specimens.
Potamogeton vaseyi Robb. No specimens.
Potentilla canadensis simplex (Mx.) T. & G. No specimens.
Potentilla sulphurea Lam. The specimens are *P. recta* L.
Ptilimnium capillaceum (Mx.) Raf. No specimens.
Pyrola asarifolia Mx. Beyond our range.
Pyrola uliginosa Torr. Beyond our range.
Quamoclit quamoclit (L.) Britt. No specimens.
Quercus nana (Marsh.) Sarg. No specimens.
Ranunculus arvensis L. Probably not in Ohio.
Ranunculus ovalis Raf. Probably not in Ohio.
Ribes nigrum L. No specimens.
Robinia hispida L. Beyond our range.
Rosa canina L. No specimens.
Rosa cinnamomea L. No specimens.
Rosa nitida Willd. Beyond our range.
Rubus baileyanus Britt. No specimens.
Rubus canadensis L. No specimens.

- Rubus frondosus* Bigel. No specimens.
Rubus neglectus Peck. No specimens.
Rubus setosus Bigel. No specimens.
Rubus trivialis Mx. Beyond our range.
Rumex patientia L. No specimens.
Rumex sanguineus L. No specimens.
Rynchospora fusca (L.) R. & S. The only specimen so labeled is a *Juncus*.
Sagittaria engelmanniana Sm. No specimens.
Salix alba coerulea (Sm.) Koch. No specimens.
Salvia verbenaca L. No specimens.
Scirpus sylvaticus L. No specimens.
Sedum reflexum L. Not properly identified.
Senecio lobatus Pers. No specimens.
Silphium integrifolium Mx. No specimens.
Smilax bona-nox L. No specimens.
Smilax pseudo-china L. No specimens.
Solidago odora Ait. No specimens.
Spiraea corymbosa Raf. Beyond our range.
Spiraea prunifolia Sieb. Specimen imperfect.
Trautvetteria carolinensis (Walt.) Vail. No specimens.
Triadenum petiolatum (Walt.) Britt. Beyond our range.
Trillium undulatum Willd. No specimens.
Vaccinium pallidum Ait. Beyond our range.
Valeriana uliginosa (T. & G.) Rydb. Specimen so labeled is *V. officinalis* L.
Verbesina occidentalis (L.) Walt. No specimens.
Vernonia glauca (L.) Britt. The two specimens so labeled have a purplish pappus and are the ordinary *V. altissima* Nutt.
Vincetoxicum gonocarpos Walt. No specimens.
Woodsia ilvensis (L.) R. Br. No specimens.
Woodwardia areolata (L.) Moore. No specimens.
Xanthium strumarium L. No specimens.
Xyris caroliniana Walt. No specimens.
Zizaniopsis miliacea (Mx.) D. & Asch. No specimens.
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