

ADDITIONS TO THE REVISED CATALOG OF OHIO VASCULAR PLANTS, VI.*

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Our knowledge of the flora of Ohio continues to be augmented because of the enthusiastic work of many amateur collectors in various parts of the state. During the past year, through the aid of four student NYA workers, more than 2,000 specimens have been mounted and added to the Ohio State Herbarium, and a considerable number of specimens have also been added to the general herbarium collection. Among the Ohio specimens are sixteen species of vascular plants new to the state list. Numerous other records extend the known distribution range in the state. Thus, much material is being accumulated which will be of great value in the future study of the vegetation of Ohio. The card index with Ohio records indicated by counties on the card maps is nearing completion and will be of great assistance in facilitating distribution studies of the species.

- 10.1. *Lygodium palmatum* (Bern.) Sw. Climbing-fern. In thicket at edge of old abandoned quarry. Good Hope Twp., Sect. 26, Hocking Co. Mary N. Thomas, John S. Thomas, and Edward S. Thomas.
12. *Polypodium polypodioides* (L.) Hitch. Gray Polypody. Ohio Twp., Gallia Co. Floyd B. Chapman and Conrad Roth.
- 28a. *Asplenium cryptolepis ohionis* Fern. Ohio Wall-rue Spleenwort. Buzzard Rock, Adams Co. Leslie L. Pontius and Floyd Bartley.
55. *Equisetum kansanum* Schaffn. Kansas Scouring-rush. Hallsville, Colerain Twp., Ross Co. Leslie L. Pontius and Floyd Bartley.
59. *Equisetum fluviatile* L. Water Horsetail. Goodman's Bog, Green Twp., Ross Co. Floyd Bartley and Leslie L. Pontius.
64. *Lycopodium inundatum* L. Bog Club-moss. In swale in old quarry abandoned thirty years ago. Good Hope Twp., Sect. 26, Hocking Co. W. H. Walker and Edward S. Thomas.
- 70.1. *Picea rubra* Link. Red Spruce. On top of shale ridge. Probably escaped or accidental. Cascade Hollow, Big Creek, Concord Twp., Lake Co. C. A. Dambach and J. W. Sites.
- 81.1a. *Echinodorus cordifolius lanceolatus* (Engelm.) Mack. & Bush. Liberty Twp., Ross Co. Floyd Bartley and Leslie L. Pontius.
- 82.1. *Sagittaria longirostra* (Micheli) J. G. Sm. Long-beaked Arrow-head. Buckeye Creek, White's Gulch, Rock Run, Bowles Hollow, and Opher Hollow in Liberty Twp., Jackson Co. and in Green Twp., Ross Co. Leslie L. Pontius and Floyd Bartley.
89. *Triglochin palustris* L. Marsh Arrow-grass. Green Twp., Ross Co. Floyd Bartley and Leslie L. Pontius.
- 101.1. *Potamogeton crispus* L. Curly Pondweed. State Fish Farm No. 10. Portage Lakes, Summit Co. Fred H. Glenny. Lake O'Springs, Jackson Twp., Stark Co. Don M. Brown.

*Papers from the Department of Botany, The Ohio State University, No. 402.

119. Change name to *Anacharis canadensis* (Mx.) Planch. Common Water-weed. Cuyahoga, Summit, Erie, Allen, Licking, Pickaway.
- 119.1. *Anacharis planchonii* (Casp.) Rydb. Narrow-leaf Water-weed. Ash-tabula, Geauga, Stark, Lorain, Erie, Williams, Logan.
- 119.2. *Anacharis occidentalis* (Pursh) Victorin. Lesser Water-weed. Wayne, Fairfield.
- 144.1. *Scirpus georgianus* Harper. Georgia Bulrush. Kirtland Twp., Lake Co. J. W. Aldrich.
- 150.2. *Scirpus pauciflorus* Lightf. Few-flowered Clubrush. Immell's Bog, three miles northwest of Kingston, Ross Co. Floyd Bartley and Leslie L. Pontius.
154. *Fimbristylis autumnalis* (L.) R. & S. Slender Fimbristylis. Pickaway Twp., Pickaway Co. Floyd Bartley and Leslie L. Pontius.
174. *Cyperus inflexus* Muhl. Awned Cyperus. Pickaway Twp., Pickaway Co. Floyd Bartley and Leslie L. Pontius.
180. *Cyperus diandrus* Torr. Low Cyperus. Joos Swamp, Hocking Twp., Fairfield Co. Chas. R. Goslin.
287. *Carex flexuosa* Muhl. Slender-stalked Sedge. Washington Twp., Pickaway Co. Floyd Bartley and Leslie L. Pontius.
325. Change name to *Arundinaria gigantea* (Walt.) Chapm. and add "Spreading on a high ridge from plantings made before the Civil War." Brush Creek Twp., Scioto Co. Conrad Roth. Add also, "On the ridge above Revenge, Fairfield Co. Spreading apparently from an originally planted specimen." Lewis K. Cook. Note: *A. tecta* (Walt.) Muhl. is apparently only a form of *A. gigantea*.
385. *Arrhenatherum elatius* (L.) Beauv. Oat-grass. Near New Vienna, Clinton Co. Katie M. Roads.
390. *Deschampsia caespitosa* (L.) Beauv. Tufted Hair-grass. Immell's Bog, three miles northwest of Kingston, Green Twp., Ross Co. Floyd Bartley and Leslie L. Pontius.
395. *Sporobolus vaginaeflorus* Torr. Sheathed Rush-grass. Between cement sidewalk and curbstone. Columbus, Franklin Co. John H. Schaffner.
411. *Alopecurus pratensis* L. Meadow Foxtail. In water in a ditch, escaped. O. S. U. Campus, Columbus, Franklin Co. R. A. Dobbins.
- 412.1. *Alopecurus carolinianus* Walt. Carolina Foxtail. (*A. ramosus* Poir.) Marion, Marion Co. C. J. Willard.
413. Change name to *Alopecurus aequalis* Sobol.
- 421.1. *Muhlenbergia cuspidata* (Torr.) Rydb. Plains Muhlenbergia. Buzzard Rock, Adams Co. Floyd Bartley and Leslie L. Pontius.
430. *Aristida purpurascens* Poir. Purplish Triple-awned-grass. Oak Openings, Lucas Co. Floyd Bartley and Leslie L. Pontius.
499. *Leptoloma cognatum* (Schult.) Chase. Fall Witch-grass. Green Twp., Ross Co. Floyd Bartley and Leslie L. Pontius.
500. *Syntherisma filiforme* (L.) Nash. Slender Crab-grass. Pickaway Twp., Pickaway Co. Floyd Bartley and Leslie L. Pontius.
546. *Muscari comosum* (L.) Mill. Blue-tufted Grape-hyacinth. Adams Co. Olga Zurcher. In herbarium of Capital University.
575. *Clintonia umbellulata* (Mx.) Torr. White Clintonia. Three miles S. E. of Dundee, Tuscarawas Co. Don M. Brown.
- 629.1. *Iris pseudacorus* L. Yellow Iris. From Europe. Growing very abundantly around Meyers Lake, near Canton, Plain Twp., Stark Co. Don M. Brown.
655. *Ibidium ovale* (Lindl.) House. Small-flowered Lady's-tresses. On a hill west of Athens, Athens Co. W. P. Porter.
669. *Tipularia unifolia* (Muhl.) B. S. P. Crane-fly Orchis. Gallia Co. Leslie L. Pontius and Floyd Bartley.

781. *Lepidium perfoliatum* L. Perfoliate Peppergrass. A single plant. Barnesville, Belmont Co. Emma E. Laughlin.
808. Milton Hopkins has segregated our American plant from the Eurasian *Arabis hirsuta* (L.) Scop. as a new species, *Arabis pycnocarpa* Hopk. with the following characteristics: Style 0.5-0.9 mm. long; silique 3-5 cm. long, flat, one-nerved only to the middle of the silique or slightly beyond; seed winged all around narrowly, but very broadly so at the apex; cauline leaves close together on the stem.
814. *Arabis drummondii* Gr. Drummond's Rock-cress. Hopkins reports specimens collected by Moseley from Cedar Point, Erie Co., and Green Island, Ottawa Co.
815. *Arabis brachycarpa* (T. & G.) Britt. is invalidated by the homonym rule and our plant becomes *Arabis divaricarpa* A. Nelson, according to Milton Hopkins.
853. *Geranium pusillum* L. Small-flowered Crane's-bill. Hamilton, Butler Co. E. E. Good.
870. *Linum sulcatum* Ridd. Grooved Flax. Brush Twp., Scioto Co. Clyde H. Jones.
878. Change name to *Ailanthus altissima* (Mill.) Swingle.
883. *Polygala incarnata* L. Pink Milkwort. Jackson Twp., Jackson Co. Leslie L. Pontius and Floyd Bartley.
892. *Croton monanthogynus* Mx. Single-fruited Croton. Green Twp., Ross Co. Leslie L. Pontius and Floyd Bartley.
- 950.1. *Triadenum longifolium* Small. Long-leaf Marsh St. John's-wort. Bolster Hollow, near C. C. C. camp, Vinton Co. W. P. Porter and P. S. Wamsley.
985. *Viola pedatifida* Don. Larkspur Violet. Edge of a wood. Liberty Twp., Highland Co. Katie M. Roads.
999. *Holosteum umbellatum* L. Jagged Chickweed. Union Cemetery, Columbus, Franklin Co. H. A. Runnels.
- 1037.1. *Claytonia caroliniana* Mx. Carolina Spring-beauty. Boy Scout Camp, Madison Twp., Lake Co. H. B. and F. J. Tyler. Specimens also, heretofore placed with *C. virginica* L., from Darke, Montgomery, Butler, Clermont, Lawrence, Jackson, and Franklin Cos.
- 1060.1. *Chenopodium incanum* (Wats.) Heller. Mealy Goosefoot. Pickaway Twp., Pickaway Co. Floyd Bartley and Leslie L. Pontius.
1125. *Polygonum tenue* Mx. Slender Knotweed. Plain Twp., Wood Co. R. E. Shanks.
1131. *Geum flavum* (Port.) Bickn. Cream-colored Avens. Tar Hollow, Ross Co. Gordon S. Crowl.
1149. *Rubus phoenicolasius* Max. Wineberry. In a hollow, Tiffin Twp., Adams Co. W. R. Vanlandingham.
1207. *Amelanchier sanguinea* (Pursh) DC. Roundleaf Juneberry. Clifton, Greene Co. E. E. Good.
1233. *Gymnocladus dioica* (L.) Koch. Coffee-bean. Eden Twp., Seneca Co. Burton Fleet. MacDonald Twp., Hardin Co. Nora L. Jordan. New Albany, Franklin Co. Reported by Willis S. Doran. Ohio Twp., Gallia Co. Conrad Roth and Floyd B. Chapman.
1271. *Coronilla varia* L. Coronilla. Franklin Co. Paul Zimpfer. In Herbarium of Capital University.
1275. *Meibomia illinoensis* (Gr.) Ktz. Illinois Tick-trefoil. Deer Creek Twp., Pickaway Co. Leslie L. Pontius and Floyd Bartley.
1283. *Meibomia obtusa* (Muhl.) Vail. Ciliate Tick-trefoil. Kettle Hills, Lancaster, Fairfield Co. C. F. Walker and C. A. Dambach.
1284. *Meibomia sessilifolia* (Torr.) Ktz. Sessile-leaf Tick-trefoil. Deer Creek Twp., Pickaway Co. Leslie L. Pontius and Floyd Bartley.
1313. *Lathyrus tuberosus* L. Tuber-bearing Pea. Defiance Co. C. J. Willard.

1316. *Clitorea mariana* L. Butterfly-pea. Blue Creek, Adams Co. Floyd Bartley and Leslie L. Pontius.
1337. *Heuchera villosa* Mx. Hairy Allum-root. Ohio Twp., Gallia Co. Floyd B. Chapman and Conrad Roth.
1343. *Ammannia coccinea* Rottb. Long-leaf Ammannia. Wood Co. Floyd Bartley and Leslie L. Pontius.
1349. *Rhexia virginica* L. Virginia Meadow-beauty. Jackson Twp., near McDonaldsville, Stark Co. Don M. Brown.
- 1351.1. *Elaeagnus multiflora* Thunb. Slender-stalked Oleaster. From China and Japan. Escaped in Liberty Twp., Jackson Co. Floyd Bartley and Leslie L. Pontius.
1369. *Enonymus americanus* L. American Strawberry-bush. Vinton Co. C. H. Jones.
1371. *Pachystima canbyi* Gr. Mountain-lover. Scioto Co. Olga Zurcher. In Herbarium of Capital University.
1396. *Liquidamber styraciflua* L. Sweet-gum. Chenoweth Creek Road, Pike Co. Gordon S. Crowl.
1418. *Castanea dentata* (Marsh.) Borkh. Chestnut. Apparently native in Montgomery Twp. and apparently escaped in Plain Twp., Wood Co. R. E. Shanks.
- 1439.2. *Betula populifolia* Ait. American White Birch. On low sand ridge. Apparently native. Harrison Twp., Henry Co. R. E. Shanks.
1451. *Hicoria laciniosa* (Mx. f.) Sarg. Shellbark (Hickory). Gnadenhutten, Tuscarawas Co. Chas. E. Miksch.
1458. Change name to *Populus tacamahacca* Mill. Tacamahac Poplar. The scientific name *P. balsamifera* L. has been found to belong to the Cottonwood.
1461. Change name to *Populus balsamifera* L. Cottonwood. The name *P. deltoides* Marsh. cannot be continued because Linnaeus originally applied *P. balsamifera* to the common Cottonwood and the names were later confused. The name Cottonwood has received various names and has been divided up into various varieties and species, but apparently they are for the most part forms which do not deserve specific rank.
- 1483.1. *Tetragonia expansa* Murr. New-Zealand-Spinach. Persistent and volunteer in gardens yearly for the last six years. Ada, Hardin Co. R. A. Dobbins.
1525. *Cucumis melo* L. Muskmelon. Along R. R. track. Near New Vienna, Clinton Co. Katie M. Roads.
1541. *Rhododendron maximum* L. Great Rhododendron. Tom's Hollow, Brush Creek Twp., Scioto Co. Conrad Roth and Floyd B. Chapman.
1548. *Gaultheria procumbens* L. Creeping Wintergreen. Washington Twp., Henry Co. R. E. Shanks.
1580. *Phlox stolonifera* Sims. Creeping Phlox. Waterloo State Forest, Athens Co. Walter P. Porter and P. S. Wamsley.
1593. *Convolvulus japonicus* Thumb. Japanese Bindweed. Hamilton, Butler Co. E. E. Good.
1625. *Gentiana procera* Holm. Smaller Fringed Gentian. Pickaway Co. Floyd Bartley and Leslie L. Pontius. In N. Y. Bot. Garden Herb. Reported by W. H. Camp.
1633. *Obolaria virginica* L. Pennywort. Tiverton Twp., Coshocton Co. F. W. Von Ohlen.
1641. *Asclepiodora viridis* (Walt.) Gr. Oblong-leaf Green Milkweed. "In the swamp land in a pasture." Washington Twp., Highland Co. Katie M. Roads. Scioto Co. Clyde H. Jones.
1645. *Asclepias purpurascens* L. Purple Milkweed. Reily Twp., Butler Co. E. E. Good.

1683. *Verbascum phlomoides* L. Clasping-leaf Mullen. In a pasture field on Wintersteen Run, Adams Co. A. R. Harper.
- 1685.1. *Penstemon laevigatus* (L.) Ait. Smooth Beard-tongue. Jackson Co. Leslie L. Pontius and Floyd Bartley. N. Y. Bot. Garden Herb. Reported by W. H. Camp.
- 1687.1. *Penstemon brevisepalus* Penn. Short-sepal Beard-tongue. Jackson Co. Floyd Bartley and Leslie L. Pontius. In N. Y. Bot. Garden Herb. Reported by W. H. Camp.
1700. *Gratiola virginiana* L. Round-fruited Hedge-hyssop. Jackson Co. Floyd Bartley and Leslie L. Pontius. In N. Y. Bot. Garden Herb. Reported by W. H. Camp.
1708. *Aureolaria pedicularia* (L.) Raf. Fernleaf False Foxglove. Plain Twp., Wood Co. R. E. Shanks.
- 1761.1. *Ruellia parviflora* (Nees) Britt. Slender Ruellia. Letart Twp., Meigs Co. Clyde H. Jones. Gallia Co. Floyd Bartley and Leslie L. Pontius.
1789. *Verbena angustifolia* Mx. Narrowleaf Vervain. Highland Co. Floyd Bartley and Leslie L. Pontius. In N. Y. Bot. Garden Herb. Reported by W. H. Camp.
1802. *Scutellaria serrata* Andr. Showy Skullcap. Waterloo State Forest, Athens Co. Also in Bedford Twp., Meigs Co. Walter P. Porter and P. S. Wamsley.
1805. Change name to *Scutellaria ovalfolia* Pers. *S. pilosa* Mx. is invalidated by the older *S. pilosa* Hill.
1825. *Perilla frutescens* (L.) Britt. Perilla. Eastern Adams Co. Arthur R. Harper.
1844. *Meehania cordata* (Nutt.) Britt. Meehania. Carbondale, Athens Co., and Bedford Twp., Meigs Co. W. P. Porter and P. S. Wamsley.
1888. *Aralia hispida* Vent. Bristly Sarsaparilla. Dundee, Tuscarawas Co. Don M. Brown.
1901. *Torilis anthriscus* (L.) Gmel. Erect Hedge-parsley. Hundreds of plants along R. R. near Hillsboro, also in Concord Twp., Highland Co. Katie M. Roads.
1925. *Conium maculatum* L. Poison-hemlock. Miller City, Putnam Co. C. J. Willard.
1985. *Triosteum aurantiacum* Bickn. Scarlet-fruited Horse-gentian. Near Zoar, Tuscarawas Co. Don M. Brown.
1994. *Lonicera sempervirens* L. Trumpet Honeysuckle. Shawnee Forest, Scioto Co. "Fairly common in the locality." Conrad Roth.
- 2076.1a. *Bidens polylepis retrorsa* Sherff. Large-bracted Tickseed. Brush Creek Twp., Scioto Co. Clyde H. Jones.
2099. *Gaillardia pulchella* Fong. Gaillardia. Washington Twp., Henry Co. R. E. Shanks.
2140. *Solidago riddellii* Frank. Riddell's Goldenrod. Joos Swamp, Hocking Twp., Fairfield Co. Chas. R. Goslin. Jackson Twp., Stark Co. Don M. Brown.
2148. *Aster schreberi* Nees. Schreber's Aster. Vinton Co. W. P. Porter and P. S. Wamsley.
- 2149.1. *Aster ianthinus* Burgess. Violet Wood Aster. Jackson Co. Floyd Bartley and Leslie L. Pontius. In N. Y. Bot. Garden Herb. Reported by W. H. Camp.
2170. Change name to *Aster ericoides* L. Dense-flowered Aster.
2176. Change name to *Aster glabellus* Nees. Steel-weed Aster.
- 2176.a. Change name to *Aster pilosus* Willd., Hairy Aster, and renumber as 2176.1.
2183. *Leptilon divaricatum* (Mx.) Raf. Low Horseweed. In an alfalfa field. Urbana, Champaign Co. Claud Neal, sent in by D. D. Dowds.
- 2189.2. *Eupatorium torreyanum* Short. Torrey's Thoroughwort. Liberty Twp., Jackson Co. Leslie L. Pontius and Floyd Bartley.

- 2191.1. *Eupatorium pubescens* Muhl. Hairy Thoroughwort. Jackson Co. Leslie L. Pontius and Floyd Bartley. In N. Y. Bot. Garden Herb. Reported by W. H. Camp. This species should probably be united with *E. rotundifolium*.
2209. *Anthemis tinctoria* L. Yellow Dog-fennel. Near Boys' Industrial School, Fairfield Co. L. M. Bloomfield. Marion Co. R. A. Dobbins.
2217. *Matricaria inodora* L. Scentless Chamomile. In a pasture. Marion Co. R. A. Dobbins.
2219. *Matricaria matricarioides* (Less.) Port. Rayless Chamomile. Beside sidewalk, Columbus, Franklin Co.; Clifton Gorge, Green Co., and along interurban R. R. Track, Morefield Twp., Clark Co. John H. Schaffner.
2223. *Artemisia ludoviciana* Nutt. Western Mugwort. Spreading along a road on hilltop, from former planting. Union Twp., Clark Co. John H. Schaffner. Center Twp., along Portage R., Wood Co., apparently escaped; Center Twp., Wood Co. R. E. Shanks.
2240. *Tussilago farfara* (L.) Raf. Coltsfoot. Barnesville, Belmont Co. A large patch along a ditch at the side of the road. Emma E. Laughlin.
2254. *Onopordon acanthium* L. Scotch Thistle. Many plants in waste ground. Rock quarries, Marble Cliff, Franklin Co. John H. Schaffner. Fairfield Twp., Butler Co. E. E. Good.
2283. *Hieracium florentinum* All. King-devil (Hawkweed). In a meadow. Barnesville, Belmont Co. Emma E. Laughlin.
2303. *Lactuca hirsuta* Muhl. Hairy Lettuce. Dry woods. Liberty Twp., Jackson Co. Floyd Bartley and Leslie L. Pontius.
2307. *Lactuca saligna* L. Willow Lettuce. North of Celina, Mercer Co. John H. Schaffner.
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