

ADDITIONS TO THE REVISED CATALOGUE OF OHIO VASCULAR PLANTS. XIV¹

CLYDE H. JONES,
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1. *Ophioglossum vulgatum* L. Adder-tongue. Hocking Co. Floyd Bartley. Ringgold, Morgan Co. Clyde H. Jones.
3. *Botrychium neglectum* Wood. Wood's Grape-fern. Hocking Co. Floyd Bartley.
33. *Dryopteris noveboracensis* (L.) Gr. New York Shield-fern. Dundee, Tuscarawas Co. Charles Riley.
34. *Dryopteris thelypteris* (L.) Gr. Marsh Shield-fern. Augusta Twp., Carroll Co. Forest Buchanan.
37. *Dryopteris goldiana* (Hook.) Gr. Goldie's Shield-fern. Camp Muskingum, Carroll Co. Ethel Harper. Lake Co. Fred J. Tyler.
48. *Onoclea sensibilis* L. Sensitive-fern. Dundee, Tuscarawas Co. Charles Riley.
62. *Lycopodium selago* var. *patens* (Beauv.) Desv. Fir Club-moss. Carroll Co. Harold S. Vasbinder.
63. *Lycopodium lucidulum* Michx. Shining Club-moss. Orange Twp., Carroll Co. Forest Buchanan.
66. *Lycopodium obscurum* L. Tree Club-moss. Carroll Co. Harold S. Vasbinder.
- 73.1. *Pinus resinosa* Ait. Red Pine. Dundee, Tuscarawas Co. Introduced. Charles Riley.
- 81.1. *Echinodorus cordifolius* (L.) Griseb. Upright Bur-head. Pike Co. Floyd Bartley.
121. *Sparganium eurycarpum* Engelm. Broad-fruited Bur-reed. Fox Twp., Carroll Co. Forest Buchanan.
126. *Typha angustifolia* L. Narrow-leaf Cat-tail. Camp Muskingum, Carroll Co. Fay Given. Dundee, Tuscarawas Co. Charles Riley.
132. *Arisaema triphyllum* (L.) Torr. Jack-in-the-pulpit. Carroll Co. Harold S. Vasbinder.
141. *Scirpus cyperinus* (L.) Kunth. Wool-grass. Dundee, Tuscarawas Co. Charles Riley.
172. *Cyperus speciosus* Vahl. Michaux's Cyperus. Circleville Twp., Pickaway Co. Floyd Bartley.
174. *Cyperus inflexus* Muhl. Awned Cyperus. Union Twp., Ross Co. Floyd Bartley.
182. *Rynchospora cymosa* Ell. Grass-like Beak-rush. Oak Openings, Lucas Co. Floyd Bartley.
230. *Carex cristatella* Britt. Crested Sedge. Amsterdam, Carroll Co. Forest Buchanan.
262. *Carex meadii* Dew. Mead's Sedge. Cranberry Island, Buckeye Lake, Licking Co. Floyd Bartley and Leslie Pontius.
276. *Carex granularis* Muhl. Meadow Sedge. Fox Twp., Carroll Co. Forest Buchanan.
530. *Erythronium americanum* Ker. Yellow Dog-tooth Lily. Carroll Co. Harold S. Vasbinder.
531. *Erythronium albidum* Nutt. White Dog-tooth Lily. Carroll Co. Harold S. Vasbinder.
534. *Allium tricoccum* Ait. Wild Leek. Berne Twp., Fairfield Co. Charles Goslin.
561. *Trillium sessile* L. Sessile Trillium. Carroll Co. Harold S. Vasbinder.
564. *Uvularia perfoliata* L. Perfoliate Bellflower. Kilgore, Carroll Co. Forest Buchanan.
569. *Polygonatum comutatum* (R. & S.) Dietr. Smooth Solomon's-seal. Camp Muskingum, Carroll Co. Fay Given.
571. *Vagnera racemosa* (L.) Mor. Panicked False Solomon's-seal. Lake Co. Fred J. Tyler.
574. *Unifolium canadense* (Desv.) Greene. False Lily-of-the-valley. Carroll Co. Harold S. Vasbinder.

¹Papers from the Department of Botany, The Ohio State University, No. 499.

584. *Smilax rotundifolia* L. Round-leaf Greenbriar. Camp Muskingum, Carroll Co. Roy McCormick and Laurabel Moony.
585. *Pontederia cordata* L. Pickerel-weed. Ashtabula Co. H. Crofoot and Fred J. Tyler.
593. *Juncus effusus* L. Common Rush. Dundee, Tuscarawas Co. Charles Riley.
606. *Juncus brachycarpus* Engelm. Short-fruited Rush. Wayne Twp., Pickaway Co. Floyd Bartley.
- 606.1. *Juncus polycephalus* Michx. Many-headed Rush. Oak Openings, Lucas Co. Floyd Bartley.
627. *Iris versicolor* L. Northern Blue-flag. Lake Co. Fred J. Tyler.
637. *Cypripedium parviflorum* Salisb. Yellow Lady's-slipper. Carroll Co. Harold S. Vasbinder.
645. *Lysias hookeriana* (Gr.) Rydb. Hooker's Orchis. Camp Muskingum, Carroll Co. Ethel Harper.
682. *Ranunculus micranthus* Nutt. Rock Crowfoot. Jefferson Twp., Ross Co. Floyd Bartley.
685. *Ranunculus pennsylvanicus* L.f. Bristly Buttercup. Wayne Twp., Pickaway Co. Floyd Bartley.
689. *Ranunculus septentrionalis* Poir. Swamp Buttercup. Carroll Co. Harold S. Vasbinder.
690. *Ranunculus hispidus* Mx. Hispid Buttercup. Carroll Co. Harold S. Vasbinder.
- 698.1. *Ficaria ficaria* (L.) Karst. Lesser Celandine. Van Wert Co. Arthur S. Brooks.
703. *Aquilegia canadensis* L. Wild Columbine. Carroll Co. Harold S. Vasbinder.
706. *Delphinium tricornis* Mx. Dwarf Larkspur. Steubenville, Jefferson Co. Forest Buchanan.
719. *Caltha palustris* L. Marsh Marigold. Carroll Co. Harold S. Vasbinder.
720. *Hydrastis canadensis* L. Golden-seal. Rushcreek Twp., Fairfield Co. C. H. Shaw and Charles R. Goslin.
724. *Syndesmon thalictroides* (L.) Hoffmg. Rue-anemone. Carroll Co. Harold S. Vasbinder.
725. *Isopyrum biternatum* Raf.) T. & G. False Rue-anemone. Crawford Co. Mary Hemmerly.
734. *Berberis thunbergii* DC. Japanese Barberry. Pleasant Twp., Fairfield Co. Escaped. Charles R. Goslin.
753. *Chelidonium majus* L. Celandine. Steubenville, Jefferson Co. Forest Buchanan.
755. *Bicuculla canadensis* (Goldie) Mills. Squirrel-corn. Yokum Hollow, Jefferson Co. Forest Buchanan.
779. *Lepidium campestre* (L.) R. Br. Field Peppergrass. Carroll Co. Harold S. Vasbinder.
786. *Thlaspi arvense* L. Field Penny-cress. Rock Run, Jackson Co. Floyd Bartley and Leslie Pontius.
802. *Barbarea barbarea* (L.) MacM. Yellow Winter-cress. Camp Muskingum, Carroll Co. Fay Given.
803. *Barbarea stricta* Andrz. Erect Winter-cress. Amsterdam, Carroll Co. Forest Buchanan.
809. *Arabis glabra* (L.) Bernh. Tower Mustard. Carroll Co. Harold S. Vasbinder.
817. *Cardamine bulbosa* (Screb.) B.S.P. Bulbous Bitter-cress. Carroll Co. Harold S. Vasbinder.
818. *Cardamine rotundifolia* Mx. Round-leaf Bitter-cress. Ross Twp., Jefferson Co. Forest Buchanan.
826. *Dentaria laciniata* Muhl. Cutleaf Toothwort. Carroll Co. Harold S. Vasbinder.
848. *Geranium maculatum* L. Wild Crane's-bill. Carroll Co. Harold S. Vasbinder.
851. *Geranium dissectum* L. Cut-leaf Crane's-bill. Jackson, Jackson Co. D. H. Harshberger via Glenn W. Blaydes.
872. *Impatiens biflora* Walt. Spotted Touch-me-not. Camp Muskingum, Carroll Co. Fay Given.

874. *Impatiens palada* Nutt. Pale Touch-me-not. Camp Muskingum, Carroll Co. Fay Given.
892. *Croton monanthogynus* Mx. Single-fruited Croton. Beaver Pond, Adams Co. Floyd Bartley.
897. *Tithymalus obtusatus* (Pursh.) Kl. and Garcke. Bluntleaf Spurge. Athens Co. Walter P. Porter and P. S. Wamsley.
928. *Hibiscus moscheutos* L. Swamp Rose-mallow. Buckeye Lake, Fairfield Co. Charles R. Goslin.
964. *Viola eriocarpa* Schw. Smooth Yellow Violet. Berne Twp., Fairfield Co. Charles R. and J. L. Goslin.
968. *Viola conspersa* Reich. American Dog Violet. Berne Twp., Fairfield Co. Charles R. Goslin.
970. *Viola rostrata* Pursh. Long-spurred Violet. Carroll Co. Harold S. Vasbinder.
973. *Viola odorata* L. Sweet Violet. Carroll Co. Harold S. Vasbinder.
975. *Viola blanda* Willd. Sweet White Violet. Carroll Co. Harold S. Vasbinder.
978. *Viola cucullata* Ait. Marsh Blue Violet. Jefferson Co. Forest Buchanan.
987. *Viola fimbriatula* Sm. Ovate-leaved Violet. Hocking Twp., Fairfield Co. Charles R. Goslin.
1002. *Alsine pubera* (Mx.) Britt. Great Chickweed. Yokum Hollow, Jefferson Co. Forest Buchanan.
1004. *Alsine graminea* (L.) Britt. Lesser Stitchwort. Camp Muskingum, Carroll Co. Fay Given.
1026. *Silene virginica* L. Fire Pink. Ross Twp., Jefferson Co. Forest Buchanan.
1032. *Saponaria officinalis* L. Bouncing-Bet. Camp Muskingum, Carroll Co. Fay Given.
1038. *Claytonia virginica* L. Spring-beauty. Carroll Co. Harold S. Vasbinder.
1068. *Chenopodium botrys* L. Feather-geranium. Fulton Co. Floyd Bartley.
- 1137.1. *Potentilla intermedia* L. Downy Cinquefoil. Pickaway Co. Floyd Bartley.
- 1144.1. *Duchesnea indica* (Andrew.) Focke. Indian Strawberry. Fairfield Co. Robert Goslin.
1177. *Rosa carolina* L. Swamp Rose. Camp Muskingum, Carroll Co. Fay Given.
1180. *Agrimonia rostellata* Wallr. Woodland Agrimonia. Camp Muskingum, Carroll Co. Fay Given.
- 1200.1. *Malus baccata* (L.) Borck. Siberian Crab-apple. Lake Co. Escaped. Fred J. Tyler.
1243. *Melilotus alba* Desv. White Sweet-clover. Camp Muskingum, Carroll Co. Fay Given.
1245. *Medicago sativa* L. Alfalfa. Camp Muskingum, Carroll Co. Fay Given.
1248. *Trifolium agrarium* L. Yellow Hop Clover. Berne Twp., Fairfield Co. Charles R. Goslin.
1256. *Trifolium hybridum* L. Alsike Clover. Camp Muskingum, Carroll Co. Fay Given.
1330. *Sedum ternatum* Mx. Wild Stonecrop. Geauga Co. H. C. Beardsley and Fred J. Tyler. Camp Muskingum, Carroll Co. Fay Given.
1340. *Chrysosplenium americanum* Schwein. Golden Saxifrage. Norton, Delaware Co. Trella Halderman. Crawford Co. Mary Hemmerly.
1374. *Ilex opaca* Ait. American Holly. Fairfield Co. Escaped. Charles R. and William Goslin.
1375. *Ilex verticillata* (L.) Gr. Winterberry. Carroll Co. Harold S. Vasbinder.
1391. *Schmalzia crenata* (Mill.) Greene. Fragrant Sumac. Alexander Twp., Athens Co. Walter P. Porter.
1405. *Morus alba* L. White Mulberry. Berne Twp., Fairfield Co. Charles R. Goslin.
1406. *Toxylon pomiferum* Raf. Osage-orange. Lake Co. H. Crofoot and Fred J. Tyler.
1412. *Urtica gracilis* Ait. Slender Nettle. Camp Muskingum, Carroll Co. Fay Given.
1421. *Quercus montana* Willd. Rock Chestnut Oak. Ross Twp., Jefferson Co. Forest Buchanan.

1422. *Quercus bicolor* Willd. Swamp White Oak. Lake Co. H. Crofoot and Fred J. Tyler. Rushcreek Twp., Fairfield Co. Charles R. Goslin and P. J. Miller.
1431. *Quercus coccinea* Wang. Scarlet Oak. Springfield Twp., Jefferson Co. Forest Buchanan.
1433. *Quercus palustris* DuRoi. Pin Oak. Mechanicstown Marsh, Carroll Co. Forest Buchanan.
1456. *Populus alba* L. White Poplar. Kilgore, Carroll Co. Forest Buchanan.
1466. *Salix lucida* Muhl. Shining Willow. Augusta Twp., Carroll Co. Forest Buchanan.
1488. *Hydrangea arborescens* L. Wild Hydrangea. Camp Muskingum, Carroll Co. Fay Given.
1506. *Oenothera biennis* L. Common Evening-primrose. Dundee, Tuscarawas Co. Charles Riley.
1520. *Proserpinaca palustris* L. Mermaid-weed. Salt Creek Twp., Hocking Co. Floyd Bartley.
1532. *Asarum canadense* L. Canadian Wild-ginger. Camp Muskingum, Carroll Co. Fay Given.
1540. *Azalea lutea* L. Flame Azalea. Jefferson Twp., Ross Co. Floyd Bartley.
1543. *Epigaea repens* L. Trailing Arbutus. Carroll Co. Harold S. Vasbinder.
1548. *Gaultheria procumbens* L. Creeping Wintergreen. Carroll Co. Harold S. Vasbinder.
1550. *Pyrola americana* Sw. Roundleaf Wintergreen. Camp Muskingum, Carroll Co. Ethel Harper.
1553. *Chimaphila umbellata* L. Pipsissewa. Good Hope Twp., Hocking Co. Charles R. Goslin and Edward S. Thomas.
1554. *Chimaphila maculata* (L.) Pursh. Spotted Pipsissewa. Carroll Co. Harold S. Vasbinder.
1571. *Polemonium reptans* L. Greek Valerian. Carroll Co. Harold S. Vasbinder.
- 1582.1. *Phlox subulata* L. var. *australis* Wherry. Southern Ground Phlox. Springfield Twp., Jefferson Co. Forest Buchanan.
1584. *Ipomoea hederacea* Jacq. Ivy-leaf Morning-glory. Berne Twp., Fairfield Co. Charles R. Goslin.
1607. *Hydrophyllum virginianum* L. Virginia Waterleaf. Amsterdam, Carroll Co. Forest Buchanan.
1617. *Fraxinus pennsylvanica* Marsh. Red Ash. Ashtabula Co. H. Crofoot and Fred J. Tyler.
1628. *Gentiana andrewsii* Griseb. Closed Gentian. Carroll Co. Harold S. Vasbinder.
1689. *Penstemon hirsutus* (L.) Willd. Hairy Beard-tongue. Springfield Twp., Jefferson Co. Forest Buchanan.
1697. *Mimulus ringens* L. Violet Monkey-flower. Carroll Co. Harold S. Vasbinder.
1721. *Veronica americana* Schwein. American Speedwell. Ross Twp., Jefferson Co. Forest Buchanan.
1726. *Veronica serpyllifolia* L. Thyme-leaved Speedwell. Carroll Co. Harold S. Vasbinder.
1769. *Cynoglossum virginianum* L. Wild Comfrey. Camp Muskingum, Carroll Co. Fay Given.
1771. *Lithospermum latifolium* Mx. American Gromwell. Camp Muskingum, Carroll Co. Fay Given.
1779. *Myosotis arvensis* (L.) Hill. Field Forget-me-not. Pleasant Twp., Fairfield Co. Charles R. Goslin.
1801. *Scutellaria lateriflora* L. Mad-dog Skullcap. Camp Muskingum, Carroll Co. Fay Given.
1813. *Mentha piperita* L. Peppermint. Athens Co. Walter P. Porter and P. S. Wamsley.
1850. *Synandra hispidula* (Mx.) Britt. Synandra. Green Twp., Ross Co. Floyd Bartley.
1887. *Aralia racemosa* L. American Spikenard. Ross Twp., Jefferson Co. Forest Buchanan. Camp Muskingum, Carroll Co. Fay Given.

1889. *Aralia nudicaulis* L. Wild Sarsaparilla. Carroll Co. Forest Buchanan.
1891. *Panax trifolium* L. Dwarf Ginseng. Hocking Co. Floyd Bartley.
1894. *Hydrocotyl americana* L. American Marsh-pennywort. Green Twp., Ross Co. Floyd Bartley.
1908. *Thaspium barbinode* (Mx.) Nutt. Hairy-jointed Meadow-parsnip. Ross Twp., Jefferson Co. Forest Buchanan.
1914. *Heracleum lanatum* L. Cow Parsnip. Lee Twp., Carroll Co. Forest Buchanan.
1929. *Cicuta maculata* L. Spotted Water-hemlock. Camp Muskingum, Carroll Co. Fay Given.
1944. *Houstonia caerulea* L. Bluets. Carroll Co. Harold S. Vasbinder.
1946. *Houstonia ciliolata* Torr. Fringed Houstonia. Amsterdam, Carroll Co. Forest Buchanan.
1951. *Cephalanthus occidentalis* L. Buttonbush. Carroll Co. Harold S. Vasbinder.
1961. *Galium triflorum* Mx. Fragrant Bedstraw. Carroll Co. Harold S. Vasbinder.
1979. *Viburnum dentatum* L. Toothed Arrow-wood. Augusta Twp., Carroll Co. Forest Buchanan.
1981. *Viburnum lentago* L. Sheepberry. Amsterdam, Carroll Co. Forest Buchanan.
2002. *Valerianella locusta* (L.) Bettke. European Corn-salad. Hocking Co. Floyd Bartley.
2004. *Valerianella radiata* (L.) Dufur. Beaked Corn-salad. Amsterdam, Carroll Co. Forest Buchanan.
2014. *Specularia perfoliata* (L.) A. DC. Venus'-looking-glass. Ross Twp., Jefferson Co. Forest Buchanan.
2015. *Lobelia cardinalis* L. Cardinal Lobelia. Lake Co. Fred J. Tyler.
2112. *Antennaria plantaginifolia* (L.) Rich. Plantain-leaf Everlasting. Orange Twp., Carroll Co. Forest Buchanan.
2114. *Antennaria neodioica* Greene. Smaller Everlasting. Brush Creek Twp., Jefferson Co. Floyd B. Chapman.
2120. *Solidago bicolor* L. White Goldenrod. Springfield Twp., Jefferson Co. Forest Buchanan.
2122. *Solidago flexicaulis* L. Zig-zag Goldenrod. Springfield Twp., Jefferson Co. Forest Buchanan.
2147. *Aster divaricatus* L. White Wood Aster. Amsterdam, Carroll Co. Forest Buchanan.
2167. *Aster lateriflorus* (L.) Britt. Starved Aster. Springfield Twp., Jefferson Co. Forest Buchanan.
2170. *Aster ericoides* L. Dense-flowered Aster. Dundee, Tuscarawas Co. Charles Riley.
2179. *Erigeron philadelphicus* L. Philadelphia Fleabane. Amsterdam, Carroll Co. Forest Buchanan.
2231. *Senecio aureus* L. Golden Squaw-weed. Carroll Co. Harold S. Vasbinder.
2242. *Articum minus* Schk. Common Burdock. Camp Muskingum, Carroll Co. Fay Given.
2276. *Hieracium paniculatum* L. Panicled Hawkweed. Lake Co. Fred J. Tyler.