

ADDITIONS TO THE CATALOG OF OHIO VASCULAR
PLANTS FOR 1924.*

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The following list of species is based on specimens presented to the Ohio State Herbarium during the past year and not only adds a number of species new to the state, but extends our knowledge of local distribution materially. Mr. Len. Stephenson has contributed an interesting collection from a locality known locally as "Buffalo Beat," near Buchtel, Athens County.

- 39a. *Polystichum acrostichoides schweinitzii* (Beck) Small.
Buchtel, Athens Co. Len. Stephenson.
55. *Equisetum silvaticum* L. Wood Horsetail. "In a marshy woodland" south of Harpersfield, Ashtabula Co. Arthur R. Harper.
70. *Pinus virginiana* Mill. Scrub Pine. Ten miles east of West Union, Jefferson Twp., Adams Co. John H. Schaffner and C. K. Kao.
121. *Typha angustifolia* L. Narrow-Leaf Cat-tail. Buchtel, Athens Co. Len. Stephenson.
- 139.1. *Cyperus ovularis* (Mx.) Torr. Globose Cyperus. "Grassy swale," along Higby Pike, Pike Co. Arthur R. Harper.
158. *Stenophyllus capillaris* (L.) Britt. Hair-like Stenophyllus. East of Barnesville, Belmont Co. Emma E. Laughlin.
265. *Carex haydeni* Dew. Hayden's Sedge. Castalia, Erie Co. E. L. Moseley.
328. *Poa autumnalis* Muhl. Flexuous Spear-grass. Along Clear Creek, between Sugar Grove and Rock Bridge, just within Hocking Co. James S. Hine.
337. *Eragrostis purshii* Schrad. Pursh's Love-grass. East of Barnesville, Belmont Co. Emma E. Laughlin.
340. *Eragrostis capillaris* (L.) Nees. Capillary Love-grass. East of Barnesville, Belmont Co. Emma E. Laughlin.

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361. *Lolium multiflorum* Lam. Awned Darnel. Clifton, Greene Co. Arthur R. Harper.
384. *Sporobolus vaginaeflorus* (Torr.) Wood. Sheathed Rush-grass. "Wayside," Barnesville, Belmont Co. Emma E. Laughlin.
404. *Muhlenbergia tenuiflora* (Willd.) B. S. P. Slender Muhlenbergia. Washington Twp., Highland Co. Katie M. Roads.
411. *Aristida oligantha* Mx. Few-flowered. Triple-awned-grass. "Roadside between Lore City and Old Washington," Guernsey Co. Emma E. Laughlin.
412. *Aristida gracilis* Ell. Slender Triple-awned-grass. "Edge of woods," south of Barnesville, Belmont Co. Emma E. Laughlin.
428. *Panicum depauperatum* Muhl. Starved Panic-grass. "Edge of dry wood." Washington Twp., Highland Co. Katie M. Roads.
- 448a. *Panicum boscii molle* (Vas.) Hitch. & Ch. Bosc's Panic-grass. Washington Twp., Highland Co. Katie M. Roads.
- 471a. *Andropogon scoparius* Mx. Little Bluestem. Extremely white glaucous variety. Jefferson Twp., Adams Co. John H. Schaffner.
504. *Trillium declinatum* (Gr.) Gleason. Drooping Trillium. "Edge of woods." Liberty Twp., Highland Co. Martha J. Mercer and Katie M. Roads. Also near Belfast, Jackson Twp., Highland Co. Martha J. Mercer.
- 532.1. *Commelina communis* L. Asiatic Day-flower. Buchtel, Athens Co. Len. Stephenson.
545. *Juncus torreyi* Cov. Torrey's Rush. Barnesville, Belmont Co. Emma E. Laughlin.
577. *Blephariglottis lacera* (Mx.) Farw. Ragged Fringed-orchis. Minford, Scioto Co. Arthur R. Harper.
580. *Blephariglottis peramoena* (Gr.) Rydb. Fringeless Purple Orchis. Piketon, Pike Co. Arthur R. Harper.
587. *Ibidium plantagineum* (Raf.) House. Broadleaf Lady's-tresses. Cedar Swamp, Champaign Co. Arthur R. Harper.

619. *Ranunculus obtusiusculus* Raf. Lance-leaf Buttercup. Gallipolis, Gallia Co. Arthur R. Harper.
657. *Berberis vulgaris* L. Common Barberry. In the original catalog (1914) this plant was said to be "Escaped rather generally." According to John W. Baringer, State Leader of barberry eradication in Ohio, barberry has been planted here and there, both in towns and in the country, all over Ohio. In the northwestern two-thirds of the state, which has been covered by the barberry eradication survey, it has been found as an escape, often abundant, in nearly all of the counties. Local botanists should assist as much as possible in educating the public on the importance of eliminating this undesirable plant from the state.
658. *Odostemon aquifolium* (Pursh) Rydb. Trailing Mahonia. Near Richfield, Summit Co. Introduced in some unknown way. Now eradicated.
667. *Papaver dubium* L. Corn Poppy. Along B. & O. Railway, near Hillsboro, Liberty Twp., Highland Co. Katie M. Roads.
687. *Camelina sativa* (L.) Crantz. Common False-flax. "A large patch along railway track" near Hillsboro, Liberty Twp., Highland Co. Katie M. Roads. Also Barnesville, Belmont Co. Emma E. Laughlin.
688. *Camelina microcarpa* Andrz. Small-fruited False-flax. Hillsboro, Highland Co. Katie M. Roads.
690. *Neslia paniculata* (L.) Desv. Ball-mustard. Barnesville, Belmont Co. Emma E. Laughlin.
703. *Thlaspi arvense* L. Field Penny-cress. Barnesville, Belmont Co. Emma E. Laughlin.
708. *Cheirinia cheiranthoides* (L.) Link. Worm-seed Mustard. St. John's woods, Bowling Green, Wood Co. E. L. Moseley.
754. *Polanisia graveolens* Raf. Clammy-weed. Near Hillsboro, Highland Co. Katie M. Roads.
764. *Erodium cicutarium* (L.) L'Her. Hemlock Stork's-bill. Glen Mary, Franklin Co. Howard W. Johnson.
- 774.1. *Linum striatum* Walt. Ridged Flax. "In orchard" near Barnesville, Belmont Co. Emma E. Laughlin.

776. *Linum medium* (Planch.) Britt. Stiff Flax. Washington Twp., Highland Co. Katie M. Roads.
804. *Tithymalus pepus* (L.) Hill. Petty Spurge. "Persistent weed in an old garden." Somerton, Belmont Co. Emma E. Laughlin.
848. *Hypericum drummondii* (Grev. & Hook.) T. & G. Drummond's St. John's-wort. North of Lore City, Guernsey Co. Emma E. Laughlin.
849. *Sarothra gentianoides* L. Orange-grass. Union Twp., Scioto Co. John H. Schaffner.
- 875.1. *Viola cucullata* Ait. Marsh Blue Violet. Collected by Otto Hacker at Painesville, Lake County, in 1902. Determined by R. Crane.
892. *Moehringia lateriflora* (L.) Fenzl. Bluntleaf Moehringia. Liberty Twp., Wood Co. E. L. Moseley.
923. *Vacaria vacaria* (L.) Britt. Cowherb. "Along a railway track," near Hillsboro, Highland Co. Katie M. Roads.
925. *Dianthus armeria* L. Deptford Pink. Buchtel, Athens Co. Len. Stephenson. Also along Pond Lick Road, Scioto Co. Arthur R. Harper.
1016. *Drymocallis agrimonioides* (Pursh) Rydb. Mac-o-cheek Castle, Logan Co. Arthur R. Harper.
1017. *Waldsteinia fragarioides* (Mx.) Tratt. Dry Strawberry. "On the top edges of cliffs at Rocky Fork Caves." Paint Twp., Highland Co. Katie M. Roads.
1037. *Spiraea tomentosa* L. Steeple-bush. Oxford Twp., Erie Co. E. L. Moseley.
1116. *Trifolium arvense* L. Rabbit-foot Clover. Fairview, Guernsey Co. Mrs. T. S. Rosengrant. Also Guernsey Co. Fair Ground. Emma E. Laughlin. Also Gallipolis, Gallia Co. Arthur R. Harper.
1135. *Stylosanthes biflora* (L.) B. S. P. Pencil-flower. "Buffalo Beat," near Buchtel, Athens Co. Len. Stephenson.
1151. *Lespedeza repens* (L.) Bart. Creeping Bush-clover. "In a virgin forest" S. E. of Barnesville, Belmont Co. Emma E. Laughlin.
- 1160.1. *Lespedeza striata* (Thunb.) H. and A. Japan Bush-clover. In a meadow locally called "Buffalo Beat,"

- Buchtel, Athens Co. "The Lespedeza forms a thick mat." Collected by Len Stephenson. Received from Freda Detmers, Ohio Agr. Exp. Sta., Wooster. Also near Portsmouth, Scioto Co. John H. Schaffner and C. K. Kao.
- 1161.1. *Vicia villosa* Roth. Hairy Vetch. Procterville, Lawrence Co. R. B. Gordon.
1181. *Sedum triphyllum* (Haw.) S. F. Gr. Live-forever. Lake Twp., Ashland Co. Also near Warren, Trumbull Co. John H. Schaffner.
1200. *Rhexia virginica* L. Virginia Meadow-beauty. Rarden, Scioto Co. Also present at Blue Creek, Adams Co. Conrad Roth.
1207. *Ceanothus americanus* L. Common New Jersey Tea. Washington Twp., Highland Co. Katie M. Roads.
1372. *Lysimachia quadrifolia* L. Whorled Yellow Loosestrife. Marshall Twp., Highland Co. Katie M. Roads.
- 1380a. *Anagallis arvensis coerulea* (Schreb.) Ledeb. Blue Pimpernel. "Edge of a waste lot," Hillsboro, Highland Co. Katie M. Roads.
1389. *Chimaphila maculata* (L.) Pursh. Spotted Pipsissewa. Washington Twp., Highland Co. Katie M. Roads.
1396. *Azalea viscosa* L. Swamp Azalea. Eliminate from the list. Alfred Rehder of Arnold Arboretum found that our specimen was incorrectly determined.
1420. *Phlox pilosa* L. Downy Phlox. "Buffalo Beat," near Buchtel, Athens Co. Len Stephenson.
- 1433.1. *Convolvulus repens* L. Trailing Bindweed. On "Buffalo Beat," near Buchtel, Athens Co. Len Stephenson.
1434. *Convolvulus japonicus* Thunb. Japanese Bindweed. "A large and well-established area along the B. & O. S. W. railway to the north and west of Hillsboro," Liberty Twp., Highland Co. Katie M. Roads.
1448. *Hydrophyllum canadense* L. Broadleaf Water-leaf. Near Hillsboro, Highland Co. Katie M. Roads.
1469. *Gentiana flavida* Gr. Yellowish Gentian. "Buffalo Beat," near Buchtel, Athens Co. Len Stephenson.

- 1481.1. *Asclepiodora viridis* (Walt.) Gr. Oblong-leaf Green Milkweed. "Limestone ravine," near Rarden, Adams Co. Arthur R. Harper.
- 1501.1. *Browallia demissa* L. Browallia. "Persistent after cultivation." Hillsboro, Highland Co. Katie M. Roads.
1504. *Physalis ixocarpa* Brot. Mexican Ground-cherry. "Three large plants growing along railroad switch." Barnesville, Belmont Co. Emma E. Laughlin.
1555. *Aureolaria flava* (L.) Farw. (*Dasystema virginica* (L.) Britt.) Smooth False Foxglove. "Buffalo Beat," near Buchtel, Athens Co. Len Stephenson. Also "in a virgin forest" S. E. of Barnesville, Belmont Co. Emma E. Laughlin.
1568. *Chaenorrhinum minus* (L.) Lange. Lesser Toadflax. "Very common along railway tracks" near Hillsboro, Liberty Twp., Highland Co. Katie M. Roads.
1570. *Kickxia elatine* (L.) Dum. Sharp-pointed Toadflax. St. Paris, Champaign Co. Ruth Rider.
1586. *Ruellia strepens* L. Smooth Ruellia. Buchtel, Athens Co. Len. Stephenson.
1600. *Lithospermum officinale* L. Common Gromwell. Cincinnati, Hamilton Co. O. T. Wilson.
1616. *Trichostema dichotomum* L. Blue-curls. Buchtel, Athens Co. Len. Stephenson.
1627. *Scutellaria integrifolia* L. Hyssop Skullcap. Procter-ville, Lawrence Co. R. B. Gordon.
- 1665.1. *Moldavica parviflora* (Nutt.) Britt. American Dragon-head. "On a vacant lot." Barnesville, Belmont Co. Emma E. Laughlin.
1701. *Aralia hispida* Vent. Bristly Sarsaparilla. Thompson's Ledge, Geauga Co. Arthur R. Harper.
1704. *Eryngium aquaticum* L. Rattlesnake-master. "Buffalo Beat," near Buchtel, Athens Co. Len. Stephenson.
- 1713.1. *Anethum graveolens* L. Dill. "In a waste lot." "Persistent after cultivation." Hillsboro, Highland Co. Katie M. Roads.
- 1753.1. *Houstonia lanceolata* (Poir.) Britt. Calybose Houstonia. "In a wood." Washington Twp., Highland Co. Katie M. Roads.

1760. *Diodia teres* Walt. Rough Buttonweed. Buchtel, Athens Co. Len. Stephenson.
- 1760.1. *Galium vernum* L. Yellow Bedstraw. "Clay bank on the National Road, about four miles east of Cambridge," Guernsey Co. Emma E. Laughlin.
1764. *Galium boreale* L. Northern Bedstraw. Margaretta Ridge, Erie Co. H. C. Schoepfle. Presented by E. L. Moseley.
1802. *Diervilla diervilla* (L.) MacM. Bush-honeysuckle. Thompson's Ledge, Geauga Co. Arthur R. Harper.
1819. *Lobelia leptostachys* A. DC. Spiked Lobelia. "Banks of a small stream." Marshall Twp., Highland Co. Katie M. Roads. Also "Buffalo Beat," near Buchtel, Athens Co. Len. Stephenson.
1830. *Heliopsis scabra* Dunal. Rough Oxeye. Hillsboro, Highland Co. Katie M. Roads.
1834. *Rudbeckia fulgida* Ait. Orange Cone-flower. Near Captina Creek, about eight miles S. E. of Barnesville, Belmont Co. Emma E. Laughlin.
1835. *Rudbeckia speciosa* Wend. Showy cone-flower. Jefferson Twp., Adams Co. John H. Schaffner.
1839. *Echinacea purpurea* (L.) Moench. Purple Cone-flower. "Edge of a dry rocky wood." Washington Twp., Highland Co. Katie M. Roads. Also "Buffalo Beat," near Buchtel, Athens Co. Len. Stephenson.
1857. *Phaethusa helianthoides* (Mx.) Britt. Sunflower Crown-beard. "Frequent along roadsides," Scioto Co. Arthur R. Harper.
1886. *Helenium nudiflorum* Nutt. Purple-headed Sneezeweed. Dundas, Vinton Co. Arthur R. Harper.
1909. *Solidago erecta* Pursh. Slender Goldenrod. "Buffalo Beat," near Buchtel, Athens Co. Len Stephenson.
- 1912.1. *Solidago odora* Ait. Sweet Goldenrod. Roosevelt Forest Preserve, Scioto Co. Conrad Roth.
1922. *Solidago rigida* L. Stiff Goldenrod. "Buffalo Beat," near Buchtel, Athens Co. Len Stephenson.
1930. *Siricocarpus asteroides* (L.) B. S. P. Toothed Whitetop Aster. "Buffalo Beat," near Buchtel, Athens Co. Len Stephenson.

1934. *Aster azureus* Lindl. Azure Aster. "Buffalo Beat," near Buchtel, Athens Co. Len. Stephenson.
1942. *Aster phlogifolius* Muhl. Thinleaf Purple Aster. "Buffalo Beat," near Buchtel, Athens Co. Len. Stephenson.
- 1947.1. *Aster concinnus* Willd. Narrowleaf Smooth Aster. "Buffalo Beat," near Buchtel, Athens Co. Len. Stephenson.
1967. *Ionactis linariifolius* (L.) Greene. Stiffleaf Aster. McDermott, Scioto County. Conrad Roth.
1978. *Kuhnia eupatorioides* L. False Boneset. "Buffalo Beat," near Buchtel, Athens Co. Len. Stephenson.
1980. *Lacinaria cylindrica* (Mx.) Ktz. Cylindric Blazing-star. "Buffalo Beat," near Buchtel, Athens Co. Len. Stephenson.
1982. *Lacinaria scariosa* (L.) Hill. Large Blazing-star. "Buffalo Beat," near Buchtel, Athens Co. Len. Stephenson. Also in Union Twp., Scioto Co. and Jefferson Twp., Adams Co. John H. Schaffner.
1988. *Elephantopus carolinianus* Willd. Carolina Elephant's-foot. Buchtel, Athens Co. Len. Stephenson.
1999. *Matricaria matricarioides* (Lees.) Port. Rayless Camomile. Barnesville, Belmont Co. Emma E. Laughlin.
2014. *Senecio pauperculus* Mx. Balsam Squaw-weed. Put-in-Bay, Ottawa Co. E. L. Moseley.
- 2026a. *Cirsium arvense integrifolium* Wimm. & Grah. North of Akron, Summit Co. C. J. Willard.
- 2029.2. *Centaurea nigra* L. Black Star-thistle. "Pasture-field" south of Barnesville, Belmont Co. Emma E. Laughlin.
- 2030.1. *Centaurea solstitialis* L. Barnaby's Star-thistle. "In alfalfa field." Celina, Mercer Co., collected by Banks Collings. Specimens also sent to the Ohio Agr. Exp. Sta. at Wooster, from Fulton, Van Wert, and Ross counties. "From alfalfa fields, the plant probably being introduced with the alfalfa seed." Freda Detmers. Also Greenville, Darke Co. R. C. Smith.
2039. *Sonchus arvensis* L. Field Sow-thistle. Barnesville, Belmont Co. Emma E. Laughlin.

- 2043.1. *Lactuca sativa* L. Garden Lettuce. "Along railway track," near Hillsboro, Highland Co. Katie M. Roads.
2047. *Lactuca villosa* Jacq. Hairy-veined Blue Lettuce. "Buffalo Beat," near Buchtel, Athens Co. Len. Stephenson.
- 2051.1. *Nabalus serpentarius* (Pursh) Hook. Lion's-foot (Rattlesnake-root). Buchtel, Athens Co. Len. Stephenson.
2054. *Nabalus crepidineus* (Mx.) DC. Corymbed Rattlesnake-root. Eight miles S. E. of Barnesville, Belmont Co. Emma E. Laughlin.
- 2064.1. *Crepis biennis* L. Rough Hawksbeard. Buchtel, Athens Co. Len. Stephenson.