

XIV. ADDITIONS AND CORRECTIONS TO THE LIST OF THE VASCULAR FLORA OF ALLEGHENY COUNTY, PA.

BY OTTO E. JENNINGS.

Since the publication in 1901 of "A Preliminary List of the Vascular Flora of Allegheny County, Pennsylvania,"¹ based mainly upon material in the Pennsylvania Herbarium of the Carnegie Museum, a considerable number of additional species have been found to occur in the County and many of these species are now represented by specimens in the Herbarium.

A critical study of more abundant, or in some cases better material, together with the examination of certain of the more difficult groups by specialists, has brought to light a few errors in identification and verified several doubtful reports. A number of the species enumerated below were based only upon "reports" in the "Preliminary List," but are now authenticated by specimens in the Herbarium collected in the County.

There are approximately 2,285 species in the vascular flora of Pennsylvania (Pteridophyta and Spermatophyta), and of this number Allegheny County now has credited to it 991 species, represented by perhaps thrice that number of carefully determined specimens collected in Allegheny County. This number is being constantly increased from the current collections of members of the Museum Staff and of various enthusiastic local collectors as well as by a critical study of older unidentified material which has in various ways come into the possession of the Museum.

In connection with many of the species mentioned in this list there are given various notes and data of locality, relative abundance, etc., such as might be of interest to local collectors.

The following species were not reported in the "Preliminary List" but have since been found to occur in the County and are now repre-

¹ Shafer, J. A., "A Preliminary List of the Vascular Flora of Allegheny County, Pennsylvania," ANNALS CARNEGIE MUSEUM, Vol. I., pp. 14-127, March, 1901.

sented by Allegheny County specimens in the Pennsylvania Herbarium of the Carnegie Museum :

Dryopteris spinulosa (Retzius) Kuntze.

The typical form of this species is much less common than *D. spinulosa intermedia* (Muhlenberg) Underwood, but occasionally occurs here.

Lycopodium obscurum Linnæus.

Pinus rigida Miller.

J. A. Shafer, Moon Township, near Carnot. April 25, 1904.

This species (the Pitch Pine) is now quite rare in Allegheny County, but was probably formerly quite well distributed. There are now specimens in the Herbarium from neighboring counties, Butler, Armstrong, and Westmoreland.

Eragrostis pectinacea (Michaux) Steudel.

John Ferguson, Highwood Cemetery, Allegheny City. September 12, 1889.

Triticum sativum turgidum Hackel.

The Miracle Wheat (*Triticum compositum* Linnæus) occasionally occurs as a fugitive in cultivated ground about Pittsburgh.

Carex hystericina Muhlenberg.

Mifflin Township, near Howard Street, Gustave Guttenberg. June, 1891.

Carex pedicillata (Dewey) Britton.

Carex rosea radiata Dewey.

Near Allegheny Cemetery, Pittsburgh. J. A. Shafer, July, 1884.

Leet Township, near Fair Oaks Station, Gustave Guttenberg, June 24, 1892.

Cyperus esculentus Linnæus.

Not uncommon.

Eleocharis acicularis (Linnæus) Rømer & Schultes.

Cypripedium parviflorum Salisbury.

Mollugo verticillata Linnæus.

A common weed of sidewalks, waste ground, etc., about Pittsburgh.

Ranunculus repens Linnæus.

In lawns, Forbes St., near Craft Ave., Pittsburgh. O. E. Jennings, July 27, 1904. Adventive from Europe and becoming troublesome in lawns, etc.

Aronia arbutifolia (Linnæus) Medicus.

Harrison Township, in swamp below Joseph Johnston's house, J. A. Shafer, July 16, 1897.

Cratægus cristata Ashe.²

J. A. Shafer, "C" Roadside near S. S. Jordan's, May 16 and October 8, 1901. Roadside near Windsor, J. A. Shafer, September, 11, 1897.

Cratægus crocata Ashe.³

J. A. Shafer, "F²" Robinson Township, near school-house, Moon Run. May 28 and October 13, 1901. Also J. A. Shafer, "F" Wm. Scott's field, near Beaver road, Moon Township, June 3 and October 7, 1901.

Cratægus eburnea Ashe.⁴

Type tree in Darlington Hollow, O'Hara Township, J. A. Shafer, June 8, 1901.

Cratægus pennsylvanica Ashe.⁵

J. A. Shafer, "17 A." Type Tree is near the Fleming school-house, Stowe Township, August 7, 1901.

A very distinct form quite common about Pittsburgh.

Cratægus porrecta Ashe.⁶

Type near the Museum, Schenley Park, Pittsburgh, J. A. Shafer, May 27 and October 4, 1901.

Cassia medsgeri Shafer.⁷

J. A. Shafer, Allegheny County, 1900. Also John M. Milligan, August 3, 1901.

Polygala nuttallii Torrey & Gray.**Euphorbia heterophylla** Linnæus.

Bellevue Cemetery, Allegheny City, John Ferguson, October, 1890. Escaped from cultivation.

Callitriche austini Engelman.

Dr. W. R. Hamilton, Pittsburgh, June, 1904.

² ANNALS CARNEGIE MUSEUM, Vol. I., p. 392-3, March, 1902.

³ ANNALS CARNEGIE MUSEUM, Vol. I., p. 389, March, 1902.

⁴ ANNALS CARNEGIE MUSEUM, Vol. I., pp. 395-6, March, 1902.

⁵ ANNALS CARNEGIE MUSEUM, I., 394-5, March, 1902.

⁶ ANNALS CARNEGIE MUSEUM, I., 391, March, 1902.

⁷ *Torreya*, IV., 179-181, December, 1904.

O. E. Jennings and Grace E. Kinzer, lawn Carnegie Museum Annex, Pittsburgh, June 28, 1904.

Apparently quite common in lawns and shady places about Pittsburgh, but heretofore unnoticed on account of its minute size.

Viola tricolor Linnæus.

Occasionally escapes about buildings.

Epilobium adenocaulon Haussknecht.

The common *Epilobium* of this region. *Epilobium coloratum* Muhlenberg, elsewhere common, is here quite rare.

Aralia hispida Linnæus.

Occasional.

Thaspium trifoliatum (Linnæus) Britton.

Woods, Moon Township, J. A. Shafer, July, 1889.

Thaspium trifoliatum aureum (Nuttall) Britton.

Quite common.

Cornus alternifolia Linnæus.

Not uncommon in damp soil.

Trichostema dichotomum Linnæus.

Allegheny County, Rev. S. W. Knipe, no date.

Solanum tuberosum Linnæus.

Often met with as a fugitive and sometimes found producing seeds.

Galium asprellum Michaux.

Galinsoga parviflora hispida DeCandolle.

Common everywhere in streets, waste grounds, etc., together with the typical *Galinsoga parviflora* Cavanilles.

The following species were reported in the "Preliminary List," but at that time were not represented by specimens from Allegheny County in the Pennsylvania Herbarium of the Carnegie Museum. The species are now represented in the Pennsylvania Herbarium by specimens collected here.

Homalocenchrus virginicus (Willdenow) Britton.

Near Fleming, O. E. Jennings, August, 1904.

Panicum proliferum Lamarck.

Very common in vacant lots, etc., Pittsburgh.

Panicum virgatum Linnæus.

Not uncommon in sandy soil.

Carex crinita Lamarck.

C. C. Mellor. Swamp near P. & L. E. R. R., Robinson Township, June 21, 1889.

Carex laxiflora patulifolia (Dewey) Carey.

South Fayette Township, near Hastings, Rev. S. W. Knight, May 15, 1900.

Carex lupulina Muhlenberg.

Not uncommon.

Carex pennsylvanica Lamarck.

A common spring-flowering, hillside species.

Carex scoparia Schkuhr.

Brushston, P. R. R., C. C. Mellor, June 18, 1889.

Carex torta Boott.

Squaw Run, J. A. Shafer, April 27, 1884.

Cyperus strigosus Linnæus.

Haight's Run, Pittsburgh, J. A. Shafer, May, 1883.

Salix alba Linnæus.

Coleman's Run, Pittsburgh, Gustave Guttenberg, May 3, 1885, Originally from Europe, but is apparently becoming locally naturalized.

Salix cordata Muhlenberg.

Not uncommon.

Salix fragilis Linnæus.

Salt-works, Twenty-third Ward, Pittsburgh, Gustave Guttenberg, May 11, 1895.

Fumaria officinalis Linnæus.

Adventive from Europe.

Arabis glabra (Linnæus) Bernhardt.

Ross Station, O'Hara Township, C. C. Mellor, July 16, 1885.

Fragaria virginiana Duchesne.

Not uncommon.

Lespedeza procumbens Michaux.

Not uncommon.

Meibomia canadensis (Linnæus) Kuntze.

Six-Mile Island, O'Hara Township, S. N. Rhoades, August 9, 1898.

Trifolium procumbens Linnæus.

Riverview Park, Allegheny City, Grace E. Kinzer, September, 1902.

Oxalis cymosa Small.

Apparently not uncommon.

Hypericum ascyron Linnæus.

Logan's Ferry, Rev. S. Knipe, July 16, 1869.

Helianthemum canadense (Linnæus) Michaux.

Ross Station, W. P. R. R., Rev. S. W. Knipe, July, 1869.

Viola cucullata Aiton.

Occasional in moist situations.

Viola hastata Michaux.**Phlox paniculata** Linnæus.

Rather common. Escaped from cultivation.

Mentha arvensis Linnæus.

Bank of the Allegheny River below Sharpsburg, Dr. A. Ziegler, August 26, 1889.

Physalis heterophylla Nees.

Allegheny Cemetery, Pittsburgh, J. A. Shafer, August 31, 1884.

Physalis pubescens Linnæus.

Pittsburgh, Rev. S. W. Knipe, September, 1869.

Galium aparine Linnæus.

Powers Run, O. E. Jennings, May 25, 1904.

Galium concinnum Torrey & Gray.

Low woods near Stoops Ferry, J. A. Shafer, June, 1889.

Galium triflorum Michaux.

Roadside near Sheridan, Dr. Adolph Koenig, August 10, 1897.

Nabalus trifoliatus Cassini.

Not uncommon.

Taraxacum erythrospermum Andrzejowski.

Common everywhere.

Species from Allegheny County in the Pennsylvania Herbarium of the Carnegie Museum and so reported in the "Preliminary List," but which are found to have been identified incorrectly:

Physalis virginiana intermedia Rydberg.

Edgewood, C. C. Mellor. Not *P. philadelphica* Lamarck as reported in the "Preliminary List."

Ilysanthes attenuata (Muhlenberg) Small.

The several Allegheny County specimens in the Pennsylvania Herbarium are evidently of this species and not *Ilysanthes dubia* (Linnæus) Barnhart (*I. gratioloides* Benthham) as reported.

Lactuca virosa Linnæus.

This is the common "Compass Plant" of vacant lots, cultivated fields, etc., and not *Lactuca scariola* Linnæus, as reported and as generally mistaken by American botanists a few years ago.

CARNEGIE MUSEUM,
November 24, 1905.



Jennings, Otto E. 1906. "Additions and corrections to the list of the vascular flora of Allegheny, Pa." *Annals of the Carnegie Museum* 3(4), 473–479.

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