

REPORTS ON THE FLORA OF THE BOSTON
DISTRICT,—XVI.

THE records on which the reports on the *Gramineae* are based have been unusually full, except in the case of some of the more recently described species. Over 3500 of these records are already on file with the Committee. These represent the *Gramineae* of the Gray Herbarium, the Herbaria of the New England Botanical Club, Boston Society of Natural History, Peabody Academy of Science at Salem, Wellesley College and Yale University (Dr. C. W. Swan's collection), and the personal herbaria of J. R. Churchill, Walter Deane, F. F. Forbes, F. W. Grigg, F. Tracy Hubbard, C. H. Knowlton, John Murdoch, Jr., and R. A. Ware.

The collections from the Peabody Academy at Salem and from the Swan Herbarium at Yale were sent to the Gray Herbarium, where they were diligently verified. Prof. M. L. Fernald and Mr. F. Tracy Hubbard have been of special service in this work. The ranges given are based on actual specimens.

In studying *Panicum* constant use has been made of the Hitchcock & Chase monograph, Contrib. U. S. Nat. Herb. xv. 1910.

GRAMINEAE.

ZEA.

[Z. MAYS L. Occasional on waste land and along railways. Probably does not reproduce itself wild.]

ANDROPOGON.

A. furcatus Muhl. Dry open ground, frequent throughout.

A. glomeratus (Walt.) BSP. Moist field, Duxbury (C. H. Knowlton, Sept. 10, 1911); Hingham, according to T. T. Bouvé, The Botany of Hingham, 1893, as *A. macrourus* Michx.

A. scoparius Michx. Dry sandy and rocky soil, very common throughout. Probably our most abundant grass.

A. virginicus Muhl. Dry ground, Blue Hill, Milton (E. & C. E.

Faxon, Oct. 7, 1878; *E. Faxon & J. R. Churchill*, Oct. 17, 1884; *W. H. Manning*, Aug. 15, 1894; Norwood (*E. F. Williams*, Sept. 15, 1895); Waltham (*S. E. French*, Sept. 10, 1888).

TRAGUS.

T. RACEMOSUS Scop. South Boston flats (*C. E. Perkins*, July 20, 1882, and Aug. 20, 1882). A fugitive plant, native in middle and southern Europe, the Canary Islands, Afghanistan and India.

SORGHASTRUM.

S. nutans (L.) Nash. Dry sandy soil, frequent throughout.

SORGHUM.

S. HALEPENSE (L.) Pers. South Boston (*C. E. Perkins*, Sept. 1 and 27, 1880); dump, Watertown (*R. Hoffmann*, Sept. 18, 1899).

S. VULGARE Pers. Dumps and made land; Lawrence, Brookline, Boston and South Boston, not collected recently. Probably seeded from corn-brooms.

DIGITARIA.

D. filiformis (L.) Koeler. Dry sterile soil; frequent except in Essex County, where it is reported only from Andover.

D. HUMIFUSA Pers. Dry soil; frequent from Hingham and Quincy northward, probably throughout.

D. SANGUINALIS (L.) Scop. Waste and cultivated ground, a very common weed throughout.

PASPALUM.

P. Muhlenbergii Nash. Fields and pastures, very common throughout.

P. psammophilum Nash. Dry sand, Halifax (*C. H. Knowlton & W. P. Rich*, July 15, 1906); Duxbury (*C. H. Knowlton*, Sept. 10, 1911). See RHODORA xiv. 174, 1912.

PANICUM.

P. Addisonii Nash, "Andover, *Blake* in 1882"; see Hitchcock & Chase, Contrib. U. S. Nat. Herb. xv. 244, 1910.

P. agrostoides Spreng. Low open ground, frequent.

P. Ashei Pearson. Rocky woods, Melrose (*W. P. Rich*, June 28, 1894, July 4, 1894, June 16, 1895).

P. barbulatum Michx. Dry sandy soil; Malden (*R. Frohock*, 1879); Mattapan, Dorchester (*J. R. Churchill*, June 21, 1890); Sherborn (*M. L. Loomis*, no. 1007, June 14, 1912); Hanson (*J. A. Cushman*, no. 2925, June 5, 1908).

P. boreale Nash. Moist soil, occasional in northern half of district, also at Sharon.

P. Boscii Poir. Rocky woods, Horn Pond Hill, Woburn (*A. S. Pease*, no. 11,364, July 8, 1908); Dorchester (*J. R. Churchill*, July 1, 1882); Natick (*C. H. Knowlton*, Sept. 4, 1898).

P. calliphyllum Ashe. Medford (*C. E. Perkins*, Aug. 3, 1881). The type collection near Ithaca, N. Y., and a collection at Painesville, O. are the only others known. See Hitchcock & Chase, Contrib. U. S. Nat. Herb. xv. 178, 1910.

P. capillare L. Gardens, shores and waste land, a very common weed throughout.

P. clandestinum L. Dry or moist soil, often in thickets or along streams, frequent.

P. Clutei Nash. (*P. mattamuskeetense* Ashe of Gray's Manual, 7th ed., 1908; see Hitchcock & Chase, Contrib. U. S. Nat. Herb. xv. 188, 1910). Framingham (*E. C. Smith*, June 21, 1892).

[*P. columbianum* Scribn. In RHODORA iii. 126, 1901, this species is cited from Nantasket Beach, Massachusetts, collected by Dr. Ezra Brainerd, June 11, 1896; but this specimen has been examined by Hitchcock & Chase who pronounce it to be *P. tsugetorum* Nash, the hairy form called by them "*P. lanuginosum siccanum*" in Contrib. U. S. Nat. Herb. xv. 245, 1910. This variety was published by them in RHODORA, viii. 207, 1906.]

P. commutatum Schultes. Dry bank in woods, Wellesley (*W. P. Rich*, June 14, 1899; see Hitchcock & Chase, Contrib. U. S. Nat. Herb. xv. 306, 1910).

P. dichotomiflorum Michx. Wet shores, cultivated and waste land, frequent.

P. dichotomum L. Woods, usually in dry soil, common throughout.

P. heterophyllum Bosc. (*P. columbianum* Scribn; see Hubbard, RHODORA xiv. 171-2, 1912). Dry sandy soil, sometimes in rich open woods; occasional from Holbrook, Canton, Milton, Westwood, Newton, Wellesley and Framingham northeastward.

P. heterophyllum Bosc, var. **thinium** (Hitchc. & Chase) Hubbard (*P. columbianum* Scribn., var. *thinium* Hitchc. & Chase; see Hubbard, RHODORA xiv. 172, 1912). Winchester (*C. E. Perkins*, Sept. 1, 1882); sandy hillside, Manchester (*F. T. Hubbard*, Oct. 1, 1912).

P. huachucae Ashe. Dry soil, eight stations in central part of district.

P. huachucae Ashe, var. **fasciculatum** (Torr.) Hubbard (var. *silvicola* Hitchc. & Chase; see Hubbard, RHODORA, xiv. 171, 1912). In moister soil than the typical form, often in woods; common from North Scituate, Canton and Norwood northward, probably throughout.

P. implicatum Scribn. Dry and moist soil, common.

P. languidum Hitchc. & Chase. North side of Prospect Hill on new road, Waltham (*E. F. Williams*, Oct. 6, 1895). Mr. F. Tracy Hubbard published in RHODORA xiv. 37, 1912, *P. languidum*, no. 205, from West Gloucester, specimens having been submitted to Mrs. Chase at Washington. Since then Mrs. Chase has decided that the plant is *P. tennesseense* Ashe.

P. latifolium L. Sandy and rocky soil, usually in open woods; frequent in northern and central portions, apparently rare southward.

P. Lindheimeri Nash. Dry soil, rare or local; Manchester, South Boston, West Roxbury, Canton Junction, Wellesley, Framingham.

P. linearifolium Scribn. Dry soil, mostly in woods; occasional, especially in central section.

P. lucidum Ashe. Rich woods, rare; Manchester, Melrose, Quincy, Framingham.

P. macrocarpon Torr. (*P. Scribnerianum* Nash; see Hubbard, RHODORA xiv. 184, 1912). Dry sand and gravel; common in most of the district, but not reported from the extreme south.

[*P. mattamuskeetense* Ashe. The plant reported under this name in RHODORA iii. 114, 1901, proves to be *P. commutatum* Schultes according to Mrs. Chase in litt.]

P. meridionale Ashe. Rich open woods; Beverly Farms, one

specimen (*F. T. Hubbard*, no. 475a, Sept. 29, 1912); near Silver Lake, Wilmington (*G. G. Kennedy*, June 11, 1899); Wellesley, no data, specimen in Herb. Wellesley College;¹ top of Blue Hill, Milton (*G. G. Kennedy*, July 10, 1899); woods by Purgatory Swamp, Norwood (*F. F. Forbes*, June 27, 1903).

P. microcarpon Muhl. Blue Hills (*W. H. Manning*, Aug. 11, 1894); "The Pines," Milton (*G. G. Kennedy*, Aug. 23, 1894); Milton, woods near Crossman's (*J. R. Churchill*, July 4, 1910); Milton (*H. H. Bartlett*, no. 844; see Hitchcock & Chase, Contrib. U. S. Nat. Herb. xv. 182, 1910); Blue Hills, West Quincy (*J. R. Churchill*, July 11, 1891); Wellesley (*W. P. Rich*, June 14, 1899).

P. MILIACEUM L. Waste land, occasional.

P. oligosanthos Schultes. Rocky soil, reasonably common, Waverly, Belmont (*F. T. Hubbard*, Oct. 13, 1912). An extension of range northward from New Jersey.

P. oricola Hitchc. & Chase. Sand dunes, Ipswich (*K. M. Wiegand*, June 25, 1908; *F. T. Hubbard*, Oct. 5, 1911; *M. L. Fernald*, Oct. 15, 1911); Scituate (*F. F. Forbes*, Aug. 15, 1909).

P. philadelphicum Bernh. Muddy and sandy pond shores, rare; Foster's and Long Ponds, Andover; Chadwick's Pond, W. Boxford; Johnson's Pond, Groveland; Winter Pond, Winchester.

P. sphaerocarpon Ell. Dry sandy and gravelly woods and fields, frequent.

P. spretum Schultes. Swamps and marshes, common.

P. strictum Pursh. (*P. depauperatum* Muhl.; see Hubbard, RHODORA xiv. 169, 1912). Dry sandy and gravelly soil, common throughout.

P. subvillosum Ashe. Dry soil, Gloucester, Ipswich, Wilmington, Malden, Woburn, Natick.

P. tenesseense Ashe. Woods and fields, usually in coarse soil; Gloucester, Manchester, Wenham, Winchester, Cambridge, Boston, Framingham, Milton, Scituate, Sharon, Stoughton.

P. TEXANUM Buckl. Cotton waste from mills, Malden (*F. S. Collins & C. W. Swan*, Sept. 14-15, 1888). A fugitive weed, native in Texas and northern Mexico.

P. tsugetorum Nash. Dry sandy fields and woods, frequent.

¹ The specimens reported in RHODORA xi. 82, 1909, from Wellesley prove to be *P. tsugetorum*; those reported from Ipswich, in the same notice, prove to be *P. tsugetorum* and *P. oricola*.

P. umbrosum Le Conte. (*P. Ashei* Pearson; see Hubbard, RHODORA xiv. 173, 1912). Dry rocky woods; Manchester, Lynn, Melrose, Malden, West Roxbury, Weston, Blue Hills, West Quincy, Walpole.

P. villosissimum Nash. Parker Street, Boston (*C. W. Swan*, June 19, 1885); Framingham (*E. C. Smith*, June 29, 1898).

P. virgatum L. Meadows and edges of marshes along the coast, reaching inland to Boxford, Concord and Bridgewater.

P. virgatum L., var. **cubense** Griseb. (var. *obtusum* Wood of Gray's Manual, 7th ed., 1908; see Hitchcock & Chase, Contrib. U. S. Nat. Herb. xv. 92, 1910). Occasional near the coast.

P. Wernerii Scribn. Dry soil, Winchester, Wellesley, Dover, Natick, Sherborn, Westwood, Walpole, Holbrook, Norwell.

P. xanthophysum Gray. Gravel pit, Lowell Junction, Andover (*A. S. Pease*, Aug. 7, 1903); railway spur, Wellesley (*K. M. Wiegand*, July 24, 1912); Framingham, not uncommon (*E. C. Smith* in RHODORA i. 98, 1899).

| | |
|----------------|-----------------------------------|
| C. H. KNOWLTON | } Committee on Local Flora. |
| S. F. BLAKE | |
| J. A. CUSHMAN | |
| WALTER DEANE | |

A NORTHERN VARIETY OF *ERIGERON RAMOSUS*.

M. L. FERNALD and K. M. WIEGAND.

FOR several years botanists collecting in the northern United States and Canada have been puzzled by a plant which seemed to be near *Erigeron ramosus*, as known farther south, but which in its sparser and more divergent pubescence often seemed referable to *E. annuus*. In studying the plants of western Newfoundland it was found that there the only *Erigeron* of this group had these transitional characters, and in the absence of *E. annuus* from the island obviously could not be considered a hybrid between that species and *E. ramosus*. A recent study of all available material shows that this tendency of *E. ramosus*, with the foliage greener than in the ordinary plant and with the stem



Knowlton, Clarence Hinckley et al. 1913. "REPORTS ON THE FLORA OF THE BOSTON DISTRICT,— XVI." *Rhodora* 15, 54–59.

View This Item Online: <https://www.biodiversitylibrary.org/item/14486>

Permalink: <https://www.biodiversitylibrary.org/partpdf/187636>

Holding Institution

Missouri Botanical Garden, Peter H. Raven Library

Sponsored by

Missouri Botanical Garden

Copyright & Reuse

Copyright Status: Public domain. The BHL considers that this work is no longer under copyright protection.

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.