

REGIONAL VEGETATION LITERATURE. III. MASSACHUSETTS

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This annotated bibliography is the third of a series designed to cover at least the continental United States. It follows in form and content that established in "I. Connecticut" (*Phytologia* 3(1):1-26. 1948) and "II. Rhode Island" (*Phytologia* 3(2):49-56. 1949). This issue lists 304 references which contain original information on the vegetation of Massachusetts, on its composition, structure, functions, geography, history, and ecologic relationships. As such, it draws on the literatures of floristic taxonomy, forestry, pastures, wildlife, watersheds and soils, insofar as these describe aspects of the natural and seminatural plant communities.

Massachusetts is in an interesting position in regard to knowledge of its vegetation. Close to two centuries of intensive botanical investigations have given us detailed knowledge of its kinds of plants, but almost no other knowledge of its forests and fields. Aside from several popular treatments of local plant communities, there are but a sparse handful of papers written by vegetation scientists, and not a single monographic treatment of the complex of communities of a limited land area.

The author is indebted to the library staff of the New York Botanical Garden for valuable assistance in the preparation of this number. The map was drawn by L. E. Partelow, Weedsport, New York. It will be much appreciated if omissions, errors and additions to this bibliography are brought directly to the attention of the author, for incorporation in a future revision.

State Floras

PTERIDOPHYTA AND SPERMATOPHYTA

1833. *Hitchcock, Edward*. Catalogue of [Massachusetts] plants growing without cultivation. His *Report on the geology, mineralogy, botany, and zoology of Massachusetts*, publ. at Amherst by Massachusetts: 599-651. 19 plates, including folded maps, bound separately as "Plates illustrating the geology and scenery of Massachusetts."

Unannotated list of 1703 plants, including cryptogams. Plates include lithographs of scenes showing vegetation types.

1835. 2nd ed.: 604-651. Same plates bound separately, with map dated 1834. Reprint: Catalogue of the animals and plants of Massachusetts with a copious index, 142 p., *Amherst*, 1835.

Unannotated list of 1737 plants, including cryptogams.

1840. *Dewey, Chester.* Report on the herbaceous flowering plants of Massachusetts, viii, 277 p. *Cambridge: Massachusetts.*
A botanical manual: no keys. Seedplants only.
1846. *Emerson, Geo. B.* A report on the trees and shrubs growing naturally in the forests of Massachusetts, xv, 547 p., 17 pl. *Boston: Massachusetts.* Reprint: *New York, Little Brown, 1850.*
A botanical manual; with keys.
1875. 2nd ed., 2 vols., 149 pl. *Boston: Little Brown.*
Revised and enlarged.
1878. 3rd ed. 1887. 4th ed. 1894. 5th ed.
Apparently reprints. 5 ed. reprinted at later dates.
1859. [*Flint, Chas. Louis.*] Catalogue of [Massachusetts] plants. 7th Ann. Rept. Secr. Mass. Bd. Agric. 1859: appendix i-xii. (The report bound together with separately paged Abstract of Returns ... Title on spine of combined volume: *Agriculture in Massachusetts by C. L. Flint, Second Series, 1859*).
Unannotated list of vascular plants in the herbarium, Latin names only, "examined and arranged by Chas. J. Sprague."
1878. *Hough, F. B.* List of the native trees of Massachusetts, with notes upon certain naturalized species. *Rept. on Forestry: 406-416. Washington: Govt. Printing Office.*
Annotated list, "derived almost wholly from the valuable report of Mr. Emerson."
1907. *Clarke, Daniel A.* The commercial forest trees of Massachusetts, how you may know them, 66 p., illustr. *Boston: State Forester.*
A dendrologic manual of 48 trees, with keys, well illustrated. Subsequent "editions" (2nd, 1908; 3rd, 1911; 4th, 1916) are apparently reprints.
1927. *Illick, Joseph S.* Common trees of Massachusetts, 110 p., 1 t., illustr. *Washington: Amer. Tree Assoc.*
A dendrologic manual, with table of historic trees; no keys.
- 1928-. *Smith, Lyman B.,* chairman of comm. Reports on the flora of Massachusetts. I, *Rhodora* 30:12-19, 1928. II, *Rhodora* 35:351-359, 1933. III, *Rhodora* 44:213-220, 1942. IV, *Rhodora* 49:257-277, 1947.
Annotated list of vascular plants, through Gramineae.

Vegetation Literature Arranged by Localities

GENERAL

1829. *Hitchcock, Edward.* Catalogue of plants growing without cultivation

in the vicinity of Amherst College, 64 p. *Amherst: Amherst College Junior Class.*

Unannotated list of 1447 plants, including cryptogams, occurring within 50 miles of Amherst.

1841. *Russell, John Lewis.* Attempt to ascertain some of the hepatic mosses of Massachusetts, with remarks. *Boston Journ. Nat. Hist.* 3 (for 1840-41):465-469.

Annotated list, *Jungermannia* (Bryophyta) only, probably eastern Massachusetts.

1875. *Tuckerman, Edward, and Chas. C. Frost.* A catalogue of plants growing within thirty miles of Amherst College, 6, 98 p. *Amherst: Nelson.*

Unannotated list, including cryptogams. Sites and localities occasionally given.

1885. *Shaler, N. S.* Sea-coast swamps of the eastern United States. *U.S. Geol. Surv. 6th Ann. Rept. (for 1884-85):* 353-398. F.51-57.

Includes a catalogue of the larger tidal marshes between the Hudson River (New York) and Portland (Maine).

1887. *Cobb, Nathan Augustus.* A list of plants found growing wild within thirty miles of Amherst, 51 p. *Northampton: Bridgman.*

Unannotated list, including cryptogams.

1899. *Clark, Hubert Lyman.* Additions to the flora of Amherst, Massachusetts. *Rhodora* 1:164-165.

Comments on local occurrences of 20 plants, 16 of which are additions.

1900. *Harper, Roland McMillan.* Further additions to the flora of the Amherst region. *Rhodora* 2:68-70.

Annotated list of 21 additions, and annotations on 4 others.

1890. *Dame, Lorin L., and Henry Brooks.* Typical elms and other trees of Massachusetts, with an introduction by Oliver Wendell Holmes, 89 p., 58 pl. *Boston: Little Brown.*

Descriptions and illustrations of historic trees, some of which were part of the original vegetation.

1897. *Saunders, Mary T.* The flora of colonial days. *Essex Inst. Bull.* 27:74-88.

Quotations of botanical interest, from 17th century writers.

1897. *Stone, Geo. Edward.* Massachusetts weeds. *Mass. Crop Rept. (for Sept. 1897):*28-35.

With unannotated list of seedplants, comments on times of introduction, and varying abundances, primarily eastern Massachusetts.

1899. *Stone, Geo. Edward.* Past and present floral conditions in central Massachusetts. *Rhodora* 1:143-148.

General comments on original and present forests. Mainly Franklin, Hampshire and Hampden Counties.

1903. *Blankinship, J. W.* The plant formations of eastern Massachusetts. *Rhodora* 5:124-137.
Species lists and brief comments on 19 types of vegetation, "Cape Ann to Plymouth and from Cape Cod to some 15 miles west of Boston."
1905. *Spring, Samuel N.* The natural replacement of white pine on old fields in New England. *U.S. Dept. Agric. Bull.* 63:32 p.
Origin and development of old-field white-pine stands, with map showing their distribution in the New England states.
1919. *Simmons, James Raymond.* Historic trees of Massachusetts, xxi, 139 p., (illustr., map inside cover) *Boston: Marshall Jones.* . Rev.: *Amer. For.* 26:213-225, 1920.
Descriptions and illustrations of historic trees, some of which were part of the original vegetation.
1920. *Mayhew, Inez P.* Winter flowers in Massachusetts. *Amer. Bot.* 26:140-141.
Popular account of plants flowering in winter. Unnamed locality on the coast.
1925. *Cline, A. C., C. R. Lockard, and Richard T. Fisher.* Mixed white pine and hardwood. *Harvard For. Bull.* 8:67 p., 13 f., 4 t.
With sections on origin and development of old-field white-pine and pine-hardwood communities. North-central Massachusetts and south-western New Hampshire.
1926. *Starr, Anna M.* Massachusetts [natural areas and regions]. V. E. Shelford's *Naturalist's Guide to the Americas*, publ. at Baltimore by *Williams & Wilkins*: 318-326.
Brief description of state, with conspectus of 37 public areas and 10 proposed areas of notable vegetation.
1927. *Forbush, E. H.* The faunal areas of New England. *His Birds of Massachusetts and other New England states*, publ. at Boston by Mass. Dept. Agric., 2:xviii-xxiii, folded map.
With description of vegetation of Canadian, Transition and Carolinian Zones.
1929. *Cook, H. O.* A forest survey of Massachusetts. *Journ. For.* 27:518-522, 2 t.
Summary of state-wide survey, with data on classes of land (forest, crop land, etc.) by counties, and on forest areas by types and size classes.
1929. *Gevorkiantz, S. R., and N. W. Hosley.* Form and development of white pine stands in relation to growing space. *Harvard Forest Bull.* 13:83 p., 3 f., 23 t.

Relation of density to form, taper, etc., natural and planted pure white pine, northern Massachusetts.

1929. Goodale, Alfred S., compiler. A check list of Pteridophyta and Spermatophyta (fern allies and seed-plants) occurring in the Connecticut River watershed in Massachusetts, 72, 5 p. *Amherst:author.*

Unannotated list of vascular plants. Hampshire and Franklin Counties, and parts of Hampden, Worcester and Berkshire Counties. Successor to the "Amherst floras."

1930. Cunningham, Floyd F. The relation of forest invasion and succession to the major soil types of the central Massachusetts upland. *Clark Univ. Thesis Abstracts (for 1930)* 2:17-21.

Forest types, based on quadrat analyses of 5 soil series.

1932. Goodale, Alfred S., compiler. A check list of Pteridophyta (fern-
worts) occurring in the Connecticut River watershed in Massachusetts,
7 p., index. *Amherst:author.*

Unannotated list of ferns. Same area as Goodale 1929.

1934. [Mass. Forest and Park Assoc.] Guide to the Berkshires to the
Capes Bridle Trail, 101 p., 12 maps. *Boston: Mass. Forest and Park
Assoc.*

Description of the trail (since abandoned), with comments on the local
vegetation.

1935. Bromley, Stanley W. The original forest types of southern New Eng-
land. *Ecol. Monogr.* 5:61-89, 8 f.

Interpretation of the pre-colonial forests, emphasizing the importance
of frequent fires. With maps of the principal forest regions, and of
the locations of certain forest types.

1937. Raup, Hugh M. Recent changes of climate and vegetation in southern
New England and adjacent New York. *Arnold Arboretum Journ.* 18:79-117.

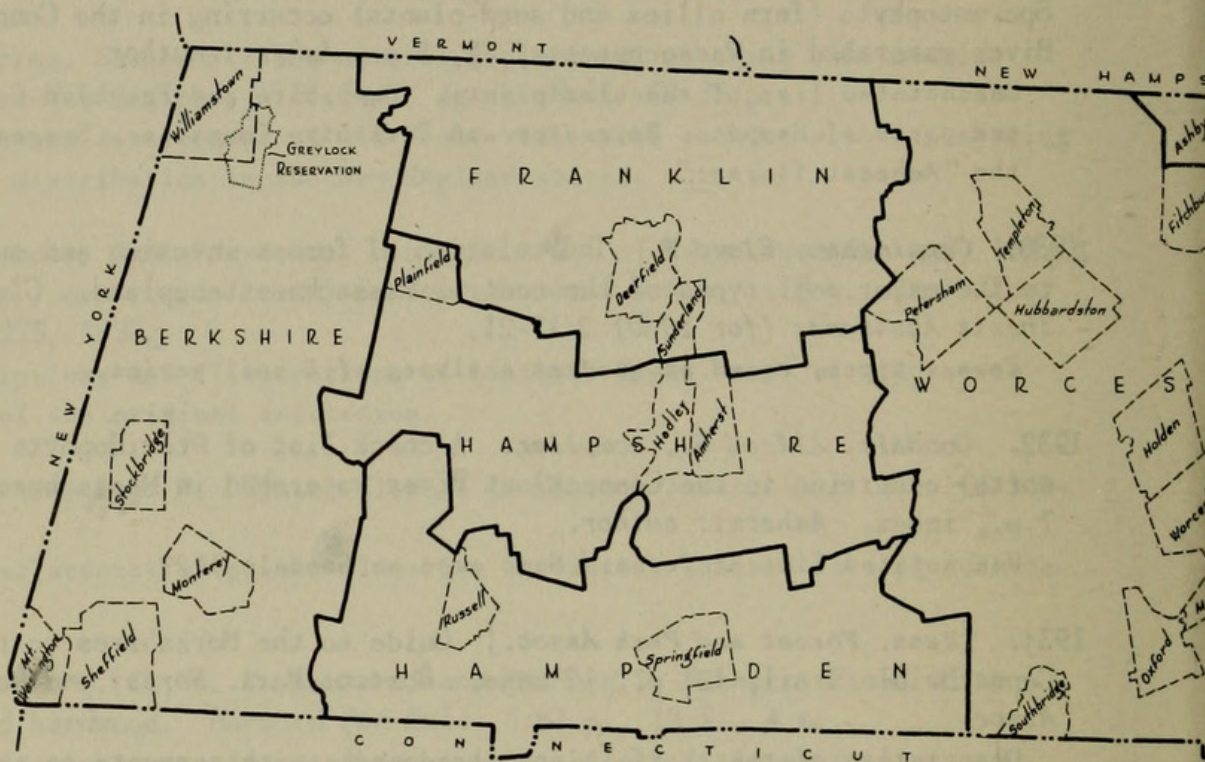
Interpretation of the pre-colonial oak-chestnut-hickory forests, in
the light of evidence of a warmer and drier climate within the past
3000 years.

1939. Wyman, Donald. Salt water injury of woody plants resulting from
the hurricane of September 21, 1938. *Arnold Arboretum Bull. Pop. Inform.*
IV, 7:45-51, pl. 8-9.

Lists of plants according to degree of salt-water damage, based on data
from Woods Hole, Falmouth, Newport (R. I.), and places along the Mass-
achusetts north shore.

1940. Egler, Frank E. Berkshire Plateau vegetation, Massachusetts. *Ecol.*
Monogr. 10:145-192, 5 f., 10 t.

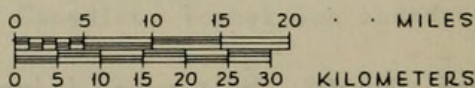
Descriptions of upland communities of three vegetation zones. Eastern

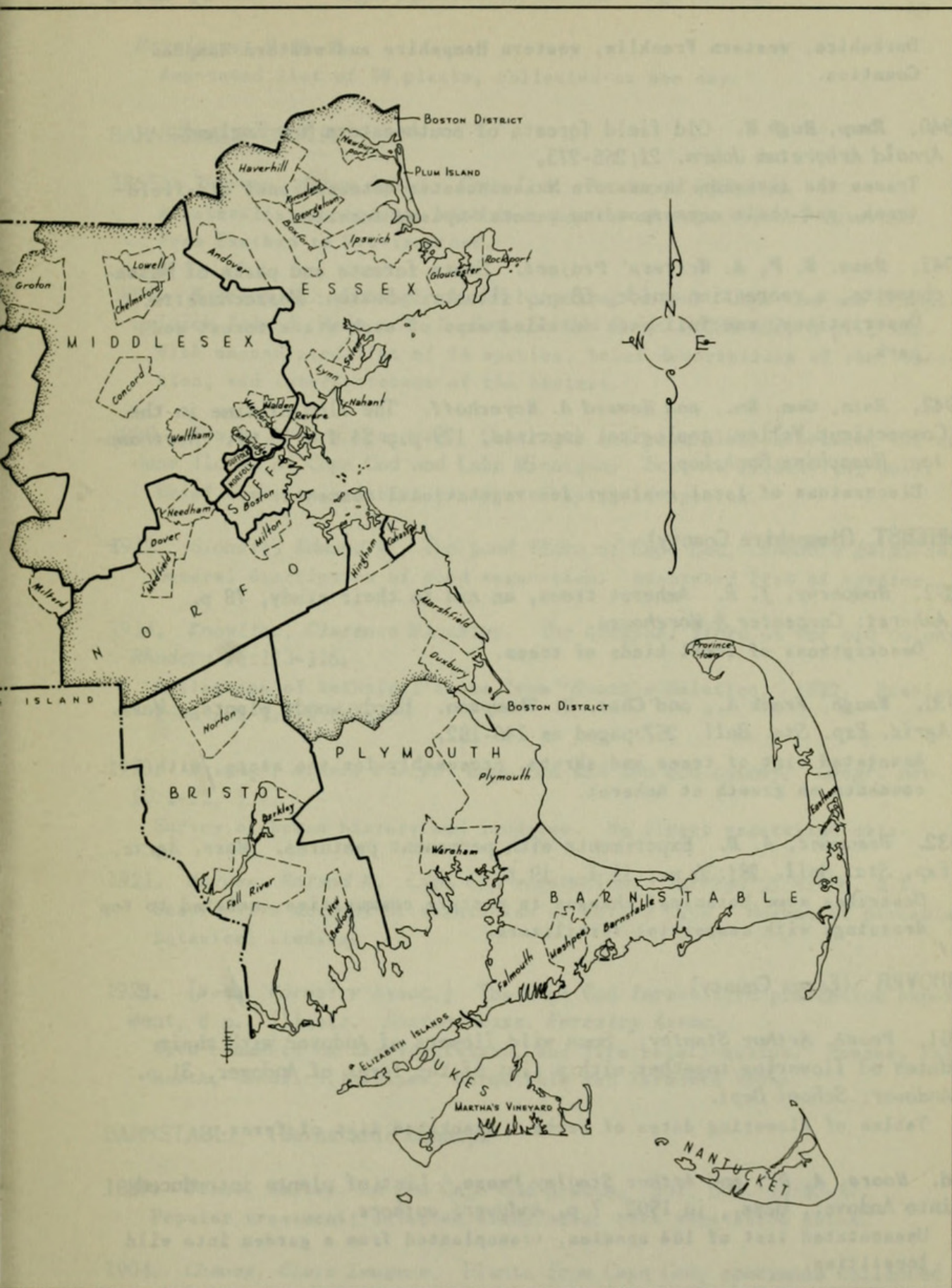


MAP OF MASSACHUSETTS

SHOWING · LOCALITIES · AT · WHICH
VEGETATION · HAS · BEEN · DESCRIBED

· S C A L E ·





Berkshire, western Franklin, western Hampshire and western Hampden Counties.

1940. *Raup, Hugh W.* Old field forests of southeastern New England. *Arnold Arboretum Journ.* 21:266-273.

Traces the division in eastern Massachusetts between zonal old-field types, and their corresponding general-upland forests.

1941. *Mass. W. P. A. Writers' Project.* State forests and parks of Massachusetts, a recreation guide, 58 p., illustr. *Boston: Massachusetts.* Descriptions, and full-page detailed maps of each state forest and park.

1942. *Bain, Geo. Wm., and Howard A. Meyerhoff.* The flow of time in the Connecticut Valley, geological imprints, 129 p., 24 f., 10 pl. *Northampton: Hampshire Bookshop.*

Discussions of local geology; few vegetational comments.

AMHERST (Hampshire County)

1892. *Humphrey, J. E.* Amherst trees, an aid to their study, 78 p. *Amherst: Carpenter & Morehouse.*

Descriptions of local kinds of trees.

1930. *Waugh, Frank A., and Chas. H. Thompson.* Hardy woody plants. *Mass. Agric. Exp. Sta. Bull.* 267:paged as 146-182.

Annotated list of trees and shrubs, presumably for the state, with comments on growth at Amherst.

1932. *Beaumont, A. B.* Experiments with permanent pastures. *Mass. Agric. Exp. Sta. Bull.* 281:36 p., 11 f., 19 t.

Describes some botanical changes in pasture communities, related to top dressings with commercial fertilizers.

ANDOVER (Essex County)

1901. *Pease, Arthur Stanley.* Some wild flowers of Andover with their dates of flowering together with a list of the ferns of Andover, 31 p. *Andover: School Dept.*

Tables of flowering dates of herbs. Annotated list of ferns.

- n.d. *Moore, A. H., and Arthur Stanley Pease.* List of plants introduced into Andover, Mass., in 1902, 7 p. *Andover: authors.*

Unannotated list of 104 species, transplanted from a garden into wild localities.

ASHBY (Middlesex County)

1906. *Howe, Reginald Huber.* Some lichens of Mt. Watatic, Massachusetts.

Bryologist 9:46-48.

Annotated list of 38 plants, collected on one day.

BARNSTABLE COUNTY

1865. *Thoreau, Henry David*. Cape Cod. Numerous editions.

A naturalist's account, with information of vegetational interest.

From Eastham to Provincetown.

1902. *Hollick, A.* Geological and botanical notes: Cape Cod and Chappaquidick Island, Mass. *N. Y. Bot. Garden Bull.* 2:381-407, 8 pl., map.

With unannotated list of 94 species, brief descriptions of the vegetation, and interpretation of the history.

1903. *Cowles, Henry Chandler*. Contrasts and resemblances between the sand dune floras of Cape Cod and Lake Michigan. *Science* 17(424):262 only.

Brief comments, without mention of specific species.

1912. *Sinnott, Edmund W.* The pond flora of Cape Cod. *Rhodora* 14:25-34.

General description of pond vegetation. Annotated list of species.

1914. *Knowlton, Clarence Hinckley*. The original flora of the old colony. *Rhodora* 16:113-116.

Collection of botanical notes from "Mount's Relation," 1622. Provincetown and Truro towns.

1920. *Brigham, Albert Perry*. Cape Cod and the old colony. *Geogr. Rev.* 10:1-22, 1 f.

Survey of human history and land-use. No direct vegetation data.

1921. *Harper, Roland M.* Cape Cod vegetation. *Torreyia* 21:91-98, 2 f.

Descriptive account of vegetation of entire Cape. Resume of preceding botanical studies.

1928. [*Mass. Forestry Assoc.*] The Cape Cod forest fire prevention experiment, 8 p., illustr. *Boston: Mass. Forestry Assoc.*

With comments on the vegetation, and fire relationships. Bourne, Falmouth, Sandwich, Mashpee, Barnstable and Yarmouth towns.

BARNSTABLE (Barnstable County)

1889. *Deane, Walter*. A few Cape Cod plants. *Bot. Gaz.* 14:45-47.

Popular treatment, selected seedplants; with vegetation notes.

1904. *Cheney, Clara Imogene*. Plants from Cape Cod; specimens collected mounted and catalogued by ..., 19 p. *Boston: author*.

Annotated list of over 300 vascular plants. Centerville.

BERKLEY (Bristol County)

1947. *Johnson, Frederick, and Hugh M. Raup.* Grassy Island, archaeological and botanical investigations of an Indian site in the Taunton River, Massachusetts. *Robt. S. Peabody Found. for Archaeology Papers* 1:viii, 68 p., 9 f., 3 t., 3 pl.

With description of present vegetation, and interpretation of history from Indian times. A brackish tidal-marsh.

1948. *Deevey, Edward S.* On the date of the last rise of sea level in southern New England, with remarks on the Grassy Island site. *Amer. Journ. Sci.* 246:351, 9 f.

Further interpretation of history, based on pollen analyses.

BERKSHIRE COUNTY

1829. *Dewey, Chester.* Catalogue of plants found in the county of Berkshire, Ms. *A history of the county of Berkshire*, by gentlemen in the county, clergymen and laymen, publ. at Pittsfield by Berkshire Assoc. of Congregational Ministers: 43-86.

Annotated list of vascular plants, including cryptogams.

1892. *Whipple, A. B.* The early botany of Berkshire. *Berkshire Book*, by its Historical and Scientific Society (Title on spine: *Berkshire Historical Society Collections*, 1892): 5-35 of second paging.

Quotations from old publications; recollections of vegetation; popular treatment of vegetation.

1901. *Adams, John Coleman.* Nature studies in Berkshire, viii, 225 p., 16 illustr. *New York: Putnam.*

With miscellaneous comments on vegetation.

1905. *Niles, Grace Greylock.* Hoosac Valley and its flowers and ferns. *Amer. Bot.* 9:1-7, 21-28, 2 frontisp.

Popular treatment of vegetation. Northern part of county.

1922. *Hoffmann, Ralph.* Flora of Berkshire County, Massachusetts. *Boston Soc. Nat. Hist. Proc.* 36:171-382.

Introduction treats vegetation. Annotated list of 1656 vascular plants, with some keys.

1939. *Wallace, G. J.* Some recent additions to the flora of Berkshire County, Massachusetts. *Rhodora* 41:128-130.

Seven additions, with annotations, from Lenox Sanctuary.

1942. *Wallace, G. J.* More Berkshire plants. *Rhodora* 44:332-334.

Ten additions, with annotations, from Lenox Sanctuary.

1948. Simpson, A. Kenneth. With what the hills are clothed. *The Berkshires, the purple hills*, ed. by Roderick Peattie, publ. at New York by Vanguard: 31-74, 2 pl.

A naturalist's account of interesting plants. Few data on vegetation.

BOSTON (Suffolk County)

- 1835-36. Kenrick, E. B. Beautiful plants growing wild in the vicinity of Boston. *Hovey's Mag. Hort.* 1(for 1835):368-377, 411-418, 453-458; 2(for 1836): 55-57, 131-134, 171-174.

Popular treatment of selected seedplants, with comments on local occurrences.

1908. Rich, Wm. Penn. City botanizing. *Rhodora* 10:149-155.

Popular treatment of selected plants.

1910. Davis, Chas. A. Salt marsh vegetation near Boston and its geological significance. *Econ. Geol.* 5:623-639.

Primarily physiographic. Treats major plant communities.

1930. Palmer, Ernest J. The spontaneous flora of the Arnold Arboretum. *Arnold Arboretum Journ.* 11:63-119, Pl. 21.

Annotated list of 610 vascular plants. Introduction treats vegetation.

1935. Palmer, E. J. Supplement to the spontaneous flora of the Arnold Arboretum. *Arnold Arboretum Journ.* 16:81-97.

173 additions, with annotations.

1947. Palmer, E. J. Second supplement to the spontaneous flora of the Arnold Arboretum. *Arnold Arboretum Journ.* 28:410-418.

Additions, with annotations, bringing total to about 930 plants.

1935. Jack, John G. Winter injuries among trees and shrubs. *Sci. Mo.* 40:332-338.

Damage to cultivated woody plants, 1933-34, Arnold Arboretum.

1939. Wyman, Donald. The order of bloom of trees and shrubs at the Arnold Arboretum. *Arnold Arboretum Bull. Pop. Inform.* 7:53-64.

Chronologic list, arranged according to time of full bloom.

1940. Wyman, Donald. Map of the Arboretum. *Arnold Arboretum Bull. Pop. Inform.* 8:21-24, Pl. 3, folded map.

Includes map, and comments upon it.

- [1949.] [Arnold Arboretum.] Through the Arnold Arboretum, 46 p., illustr., map. Boston: Arnold Arboretum.

Descriptive general literature.

"BOSTON DISTRICT" (see map)

1814. Bigelow Jacob. *Florula bostoniensis*, a collection of plants of

Boston and its environs, 268 p. *Boston: Cummings and Hilliard.*

A botanical manual of vascular plants, with local annotations.

1824. 2nd ed. ("vicinity" replaces "environs" in title), 423 p.

1840. 3rd ed. ("vicinity" replaces "environs" in title), 468 p.

1847. *Russell, John Lewis.* Musci of eastern Massachusetts. *Boston Nat. Hist. Journ* 5 (for 1845-47):172-188.

Annotated list. "Vicinity of Boston."

1876-1878. *Farlow, W. G.* List of fungi found in the vicinity of Boston. *Bussey Inst. Bull.* 1 (for 1876):430-439; 2(for 1878):224-252.

Mainly an annotated list. Woods Hole to Eastport, Maine.

1881. *Robinson, John.* Date of flowering of trees and shrubs in eastern Massachusetts, 1880. *Mass. Hort. Soc. Trans.* 1880:161-173.

Chronologic unannotated list, chiefly Arnold Arboretum and Cambridge Botanic Gardens, and elsewhere in Essex County.

1882. *Robinson, John.* Date of flowering of trees and shrubs in eastern Massachusetts, 1881. *Mass. Hort. Soc. Trans.* 1881:348-358.

Chronologic unannotated list, no exact locality.

1885. *Pease, Cora E.* The treasures of the fells. *Outing* 7:175-181.

Popular treatment of plants at Middlesex Fells, northwest of Boston.

1896. *Deane, Walter.* Flora of the Blue Hills, Middlesex Fells, Stony Brook and Beaver Brook Reservations of the Metropolitan Park Commissior. Massachusetts, viii, 144 p., folded maps. *Boston: Barrows.*

Annotated list, including cryptogams.

1902. *Clark, Arthur.* A few plants of the Blue Hills Reservation. *Rhodora* 4:74-76.

Additions, and annotations on other plants.

1908. *Howe, Reginald Huber.* Two additions to the lichen flora of the Blue Hills. *Rhodora* 10:35-36.

Additions, with annotations.

1897. *Bacon, Edwin M.* Walks and rides in the country round about Boston covering thirty-six cities and towns, parks and public reservations, within a radius of twelve miles from the stwte house, 419 p., index, 4 folded colored maps, illustr. *Boston & New York; Houghton Mifflin.* Reprint: Walks and rides in the country round about Boston, in 5 separate parts, boxed, with maps, without index, 1900.

Includes comments on vegetation.

1898. *Eliot Chas.* Vegetation and scenery in the metropolitan reservations of Boston, a forestry report written by ... and presented to the Metropolitan Park Commission, Feb. 15, 1897, by Olmsted, Olmsted and Eliot, 23 p. 57 pl., 3 f., maps. *Boston, New York, London: Lamson, Wolfe.*

Popular treatment of major vegetation types.

1902. Locke, Elsie. Flower folk in the Boston reservations. *New England Mag.* 26:259-267, illustr.

Popular treatment of plant life of Middlesex Fells and Blue Hills, arranged according to season of flowering.

- 1907-1929. *New England Botanical Club committee*. Reports on the flora of the Boston district. *Rhodora* 9 (1907):81-86; 10(1908):59-64, 128-131; 11(1909):75-80, 179-180, 204-209; 12(1910):3-7, 95-99; 13(1911):27-29, 72-73, 82-85, 104-105, 232-235, 248-251; 14(1912):76-78, 107-113; 15(1913):54-59, 122-132, 144-151; 16(1914):106-113; 17(1915):169-180, 202-203; 18(1916):86-90, 165-168, 213-221, 248-252; 20(1918):15-18, 55-59, 164-171, 208-209; 21(1919):78-83, 125-128; 22(1920):72-75, 123-127; 23(1921):113-118; 24(1922):92-95, 152-156, 231-236; 25(1923):25-31, 37-43, 60-67, 185-187; 26(1924):13-19, 34-36, 55-60, 82-88, 107-111, 130-132, 149-152, 166-168; 31(1929):41-43.

Annotated list of 2500 vascular plants. A modern treatment; published in 51 parts, exemplifying for all time the value of such publication for bibliographers, librarians, and botanists using this type of list.

1910. Davis, C. A. Salt marsh vegetation near Boston, and its geological significance. *Econ. Geol.* 5:623-639.

Mainly studies of peat sections. "Practically all of the salt marshes in the Boston and Boston Bay quadrangles were examined."

1943. Lyon, C. J. Water supply and the growth rates of conifers around Boston. *Ecology* 24:329-344.

Correlations of annual increment with precipitation, hemlock and white pine.

- [1945.] Knowlton, Clarence Hinckley. The earliest spring flowers. *South Shore Nature Club Leaflet* 3: 2 p.

Popular phenologic treatment of selected plants. Eastern Norfolk and northern Plymouth Counties.

1947. Leopold, A. C. Distribution of red cedar in eastern Massachusetts. *Rhodora* 49:172-175, 3 f.

Distribution of red-cedar old-fields in an area 17 x 19 miles, on the zone boundary of Raup 1940, and correlations with cold-weather isotherms.

1949. Knowlton, Clarence Hinckley. Plant societies of southeastern Massachusetts, 10 p. *Hingham & Cohasset: South Shore Nature Club*.

Popular treatment of vegetation.

BOXFORD (Essex County)

1876. [Perley, Mary Ellen.] Flora of Boxford. *Georgetown Advocate (newspaper)* 2(22, 24).

Unannotated list of seedplants.

1897. *Alcott, Wm. Penn.* Botanical notes. *Essex Inst. Bull.* 27 (for 1895):92-94.

Unannotated list and popular treatment of selected seedplants.

CAMBRIDGE (Middlesex County)

1861. [*Higginson, Thomas Wentworth.*] April days. *Atlantic Monthly* 7: 385-394.

Popular treatment of phenologic data.

1862. *Higginson, Thomas Wentworth.* Procession of the flowers. *Atlantic Monthly* 10:649-657.

Popular treatment of phenologic data. Probably Cambridge.

1924. *Fernald, Merritt Lyndon*, comp. Key to the families of spring-flowering plants of eastern Massachusetts, 12 p. *Cambridge: Harvard Univ.*

A dichotomous key, "distinguishing the principal families of flowering plants available about Cambridge in April and May."

1939. *Ames, Oakes I.* Survey of hurricane damage at Mount Auburn cemetery, Cambridge, Mass. *Arborist's News* 4: [5-6], 1 t.

Tabular data on 4315 damaged trees of more than 34 kinds.

CHELMSFORD (Middlesex County)

1881. *Alcott, Wm. Penn.* Introduced plants found in the vicinity of a wool-scouring establishment. *Essex Inst. Bull.* 13:162-166.

Annotated list of 36 seedplants. North Chelmsford.

1917. *Knowlton, Clarence Hinckley.* The botany of Chelmsford. *Wilson Water's History of Chelmsford*, publ. at Chelmsford by the town: 651-655.

Popular treatment of vegetation and flora.

COHASSET (Norfolk County)

1898. [*Collier, Priscilla Lathrop.*] Botany of Cohasset. Edwin Victor Bigelow's *A Narrative history of the town of Cohasset, Massachusetts*, publ. at Boston by Usher: 541-552.

Unannotated list of vascular plants, including fungi.

CONCORD (Middlesex County)

1881. *Thoreau, Henry David.* Early spring in Massachusetts, from the journal of ..., 354 p., frontisp. *Boston: Houghton Mifflin.*

A naturalist's diary, with information concerning vegetation.

1899. [*Hosmer, Alfred W.*] On the plants introduced by Minot Pratt at

Concord, Massachusetts. *Rhodora* 1:168-172.

Two annotated lists, reporting success or failure with 20-year-old naturalization experiments.

1913-1915. *Howe, Reginald Huber*. The foliaceous and fruticose lichens of Concord, Massachusetts, with keys to all New England species. *Thoreau Mus. Nat. Hist. Proc.* 1(1913):27-29; 1(1914):30-32; 1(1915):37-40.

Botanical descriptions of families and genera; keys to species.

1918. *Brewster, Wm.* Exotic plants establised in Middlesex County, Massachusetts. *Rhodora* 20:204-205.

Naturalization of two species in an old field.

DEERFIELD (Franklin County)

1818. *Williams, Stephen Wells*. Floral calendar kept at Deerfield, Massachusetts, with miscellaneous remarks. *Amer. Journ. Sci.* 1:359-373.

Chronologic treatment, for 1811, 1812, and 1818.

DOVER (Norfolk County)

1897. *Smith, Frank*. Flora, weeds, sylva, shrubs and vines, ferns. His *A history of Dover, Massachusetts, as a precinct, parish, district, and town*, publ. at Dover by the town: 324-335.

Unannotated lists of plants.

DUXBURY (Plymouth County)

1912. *Knowlton, Clarence Hinckley*. Notes on the flora of Duxbury, Massachusetts. *Rhodora* 14:18-22.

With popular treatment of the vegetation.

1912. *May, J. B.* Further notes on the flora of Duxbury, Massachusetts. *Rhodora* 14:90-91.

Recent changes in abundance of certain plants. Naturalization of *Quercus robur*.

EASTHAM (Barnstable County)

1909. *Collins, Frank Shipley*. Notes of the flora of lower Cape Cod. *Rhodora* 11:125-133.

Popular treatment of vegetation.

1910. *Collins, Frank Shipley*. Flora of lower Cape Cod; supplementary note. *Rhodora* 12:8-10.

Further treatment of vegetation.

1911. *Collins, Frank Shipley*. Flora of lower Cape Cod; third note.

Rhodora 13:17-22.

Further treatment of vegetation, especially sporadic species.

1915. *Collins, Frank Shipley*. November flowers. *Rhodora* 17:33-38.
Phenologic data for 92 species.

ELIZABETH ISLANDS (Dukes County)

1874. *Jordan, D. S.* The flora of Penikese Island. *Amer. Nat.* 8:193-197.
Unannotated list of plants, including cryptogams.

1901. *Hollick, Arthur*. A reconnaissance of the Elizabeth Islands.
N. Y. Acad. Sci. Annals 13:387-418, Pl. 8-15.
With general comments on vegetation.

- n.d. *Northrop, Alice R.* Notes on the flora of Nashuina Island, 24 p.
Ms. in Gray Herbarium, Harvard Univ.
Popular treatment of vegetation. Annotated list of 335 plants, including cryptogams. Post-1903.

1905. *Forbes, Sarah Swain*. The botany of Naushon, 114 p. *Boston:author*.
Taxonomic treatment of species, with popular comments, but no local annotations.

1915. *Roberts, Edith A.* The distribution of beach plants. *Bot. Gaz.* 60:406-411.
Descriptive account of beach and cliff vegetation.

1924. *Lewis, Ivey F., et al.* The flora of Penikese, fifty years after.
Rhodora 26:181-195 and map, 211-219, 222-229, Pl. 146-147.
Introduction on vegetation. Annotated list of plants, including cryptogams.

1930. *Fogg, J. M.* The flora of the Elizabeth Islands, Massachusetts.
Rhodora 32:119-132 and map, 147-161, 167-180, 208-221, 226-258, 263-281.
Introduction on vegetation. Annotated list of over 500 vascular plants.

1948. *Doty, Maxwell S., et al.* The flora of Penikese, seventy-four years after. I, by *Maxwell S. Doty*, Penikese Island marine algae, *Rhodora* 50:253-269. II, by *Hannah Croasdale*, Fresh and brackish water algae of Penikese Island, *Rhodora* 50:269-279. III, by *Eliz. R. Dearden*, Penikese Island fungi, *Rhodora* 50:285-288. IV, by *Edwin T. Moul*, Flora of Penikese Island, *Rhodora* 50:288-304.
Annotated lists and comments on vegetation.

ESSEX COUNTY

1854. *Osgood, Geo.* [List of plants collected from March 25 to November

27, 1853, principally from North Danvers, with a few from Pleasant Pond, Wenham.] *Salem Gazette (newspaper)* 1854 (42,44).

Unannotated list of seedplants, arranged according to date of blooming. Principally Danvers and Wenham towns.

1856. *Oakes, Wm.* Collectanea botanica, or notices of rare plants found in Essex county, Massachusetts. *Essex Inst. Proc.* 1(for 1848-1856): 271-273.

Annotated list of 25 seedplants.

1858. *Tracy, Cyrus Mason.* Studies of the Essex flora; a complete enumeration of all plants found growing naturally within the limits of Lynn, Mass., and the towns adjoining..., 88 p. *Lynn:author.*

Annotated list of seedplants.

1892. 2nd ed. Studies of the Essex flora, 99 p, *Lynn:Nichols.*

Annotated list of seedplants. Southwestern Essex County.

1862. [*Buttrick, Samuel Bartlett.*] Calendar of spring for 1855 [and]...

1856. *Essex Inst. Proc.* 2(for 1856-1860):172-174.

Unannotated list of selected seedplants, arranged chronologically.

Southern Essex County.

1875-1877. *Robinson, John.* Ferns of Essex county, Mass. *Essex Inst. Bull.* 7(1875):44-54, 147-148; 9(1877):98.

Annotated list.

1879. *Robinson, John.* Notes on the native and extensively introduced woody plants of Essex County, Massachusetts. *Essex Inst. Bull.* 11:72-106. Reprint: 38 p., 1 pl., *Salem, Essex Inst.*

Annotated list.

1880. *Robinson, John.* Notes on the flora of Essex County, Massachusetts, with sketches of the early botanists, and a list of the publications on these subjects. *Essex Inst. Bull.* 12:81-97.

Annotations on selected species. Bibliography. Article reprinted in his 1880 flora.

1880. *Robinson, John.* The flora of Essex County, Massachusetts, 200 p. *Salem: Essex Inst.*

Introduction on vegetation. Annotated list of 1834 plants, including cryptogams. Bibliography.

1883. *Paine, Harriet Eliza.* Groveland plants not reported by Mr. Robinson in his county flora. *Essex Inst. Bull.* 15:134.

Additional seedplants, with annotations.

1883. *Sears, John H.* Weeds of Essex County. *Essex Inst. Bull.* 15:93-104.

Annotated list of selected plants, including cryptogams.

1885. [Robinson, John.] The native woods of Essex County, Massachusetts Extract from "Report on forests of North America" by Prof. Chas. S. Sargent, vol. 9, of "Reports of the Tenth Census of the U.S." *Peabody Acad. Sci. Repts. for 1884*:103-107, 3 t.

Mainly physical properties of woods. Few local vegetation data.

1891. Robinson, John. Our trees; a popular account of the trees in the streets and gardens of Salem, and the native trees of Essex county, Massachusetts, with the location of the trees and historical and botanical notes, 120 p. *Salem: Essex Inst.*

Popular treatment of selected trees.

1900. Huntington, J. W. Some uncommon mosses in northern Essex county, Massachusetts. *Rhodora* 2:95-97.

Comments on selected species.

FALL RIVER (Bristol County)

1913. Cook, H. O. Some original data on waterflow and forests. *Harvard Forestry Club Bull.* 2:38-42.

Conclusions on relation of forests to streamflow. Watershed of North Watuppa Pond.

FALMOUTH (Barnstable County)

1901. Clark, Hubert Lyman. Notes on the flora of Woods Hole, Massachusetts. *Rhodora* 3:87-89.

Annotations on 17 selected plants.

1902. Shaw, Chas. H. The development of vegetation in the morainal depressions of the vicinity of Woods Hole. *Bot. Gaz.* 33:437-450, 6 f.

Vegetation development traced from open water. Presents a theory on the marginal ditch.

1904. Kearney, T. H. Are plants of sea beaches and dunes true halophytes? *Bot. Gaz.* 37:424-436.

Environment analyses, with data from Woods Hole.

1905. Chrysler, M. A. Reforestation at Woods Hole, Massachusetts - a study in succession. *Rhodora* 7:121-129, 4 f., Pl. 62-63.

Description of a tract bare in 1850, now forested, with plantings decadent and natural oak reproduction; and a salt-spray scrub.

1909. Barllett, H. H. The submarine *Chamaecyparis* bog at Woods Hole, Massachusetts. *Rhodora* 11:221-235, 1 pl., 1 t., 1 map.

Description of tidal-marsh overlying *Chamaecyparis* bog.

1913. Davis, B. W. General characteristics of the algal vegetation of

Buzzards Bay and Vineyard Sound in the vicinity of Woods Hole. *U.S. Dept. Commerce and Labor Bur. of Fisheries Bull.* 31:443-544.

With description of algal communities of tidal marsh pools.

1913. *Davis, B. M.* A catalogue of the marine flora of Woods Hole and vicinity. *U.S. Dept. Commerce and Labor Bur. of Fisheries Bull.* 31:795-833.

Annotated list, mainly algae and fungi. Buzzards Bay and part of Vineyard Sound.

1915. *Roberts, Edith A.* The distribution of beach plants. *Bot Gaz.* 60:406-411.

Descriptive account of beach and cliff vegetation.

FITCHBURG (Worcester County)

1885. *Simonds, Arthur Beaman, et al.* Catalogue of the phaenogamous and vascular cryptogamous plants of Fitchburg and vicinity, 39 p. *Fitchburg: Fitchburg Agassiz Assoc.*

Unannotated list of 816 plants.

FRANKLIN COUNTY

1910. *Williams, Emile F.* Notes on the flora of Franklin County, Massachusetts. *Rhodora* 12:168-170.

Popular treatment of selected species.

1913. *Stone, Geo. Edward.* A list of plants growing without cultivation in Franklin, Hampshire and Hampden Counties, vii, 72 p. *Amherst:author.*
List of 1493 vascular plants, with few annotations.

1923. *Averill, R. C., W. B. Averill, and W. I. Stevens.* A statistical forest survey of seven towns in central Massachusetts. *Harvard Forest Bull.* 6: 1 f., 18 t.

Timber survey of eastern Franklin County and northwestern Worcester County, with vegetation data.

1935. *McKinnon, F. S., G. R. Hyde, and A. C. Cline.* Cut-over old field pine lands in central New England, a regional study of the composition and stocking of the ensuing volunteer stands. *Harvard Forest Bull.* 18:80 p., 12 f., 9 t.

Composition and density in relation to site and age. Northern Worcester, eastern Franklin, and Cheshire (New Hampshire) Counties.

GEORGETOWN (Essex County)

1876. [*Horner, Charlotte N. S.*] Flora of Georgetown. *Georgetown Advocate (newspaper)* 2(20, 23, 25, 29, 32).

Unannotated list of seedplants.

1884. *Horner, Charlotte, N. S.* Notes on the flora of South Georgetown. *Essex Inst. Bull.* 15:107-110.

Annotated list of vascular plants.

GLOUCESTER (Essex County)

1864. *Markoe, Geo. F. H.* Catalogue of plants. *Essex Inst. Proc.* 3(for 1860-63):24-27.

Unannotated list of selected vascular plants.

1898. *Farlow, W. G.* Botany: marine algae. A. W. Grabau and J. E. Woodman's *Guide to localities illustrating the geology, marine zoology and botany of the vicinity of Boston*, publ. at Boston by Amer. Assoc. Adv. Sci: 97-100.

Description of marine algae at Nahant, and at Magnolia (Gloucester town).

1944. *Dexter, Ralph W.* Ecological significance of the disappearance of eel-grass at Cape Ann, Massachusetts. *Journ. Wildlife Management* 8: 173-176.

General description, including effects on other biotic communities, 1931-40.

1944. *Dexter, Ralph W.* The bottom community of Ipswich Bay, Massachusetts. *Ecology* 25:352-359.

Primarily zoologic; includes description of algal communities.

1945. *Dexter, Ralph W.* A report on the eelgrass situation in the Annisquam (Massachusetts) and Mystic (Connecticut) tidewater rivers in the summer of 1945. *U.S. Dept. Agric. Plant Disease Reporter* 29:702-704.

Records of living colonies of eelgrass and of *Ruppia*.

1946. *Dexter, Ralph W.* The eelgrass situation in the Annisquam (Massachusetts) and Mystic (Connecticut) tidewater rivers in the summer of 1946. *U.S. Dept. Agric. Plant Disease Reporter* 30:424-425.

Further records of increased abundance of eelgrass.

1947. *Dexter, Ralph W.* Status of eelgrass in the Annisquam tidal river and Menemsha saltwater pond in Massachusetts during the summer of 1947. *U.S. Dept. Agric. Plant Disease Reporter* 31:448-449.

Further records of increased abundance of eelgrass.

1947. *Dexter, Ralph W.* The marine communities of a tidal inlet at Cape Ann, Massachusetts: a study in bio-ecology. *Ecol. Monogr.* 17:261-294, 17 f., 11 t., maps.

A monographic study, mainly zoologic.

GREYLOCK RESERVATION (Berkshire County)

- 1902-1909. *Andrews, A. LeRoy*. A list of bryophytes from the Mt. Greylock region. *Rhodora* 4(1902):29-31, 238-243; 6(1904):72-75; 11(1909):116-118.
First list unannotated. Subsequent lists of annotated additions.

GROTON (Middlesex County)

1912. [*Hill, Eliz. Sewall*.] Flora. Samuel Abbott Green's *The natural history and the topography of Groton, Massachusetts* (Title on spine: *Facts relating to the history of Groton, Massachusetts*), publ. at Cambridge by Wilson:1-26.

Annotated list of vascular plants (no sedges and grasses), with flowering dates.

GROVELAND (Essex County)

1883. *Paine, Harriet Eliza*. Plants shown at the meeting in Groveland, Mass., August, 1883. *Essex Inst. Bull.* 15:133.
Plants seen on a field trip.

HADLEY (Hampshire County)

1905. *Judd, Sylvester*. History of Hadley..., Massachusetts, 205 p., illustr. *Springfield: Hunting*.
See pp. 426-429 for popular botanic treatment, including a north-south cross-section of Mt. Holyoke, with description of forest belts.

HAMPDEN COUNTY

1913. *Stone, Geo. Edward*. A list of plants growing without cultivation in Franklin, Hampshire and Hampden Counties, 72 p. *Amherst: author*.
List of 1493 vascular plants, with few annotations.

HAMPSHIRE COUNTY

1913. *Stone, Geo. Edward*. A list of plants growing without cultivation in Franklin, Hampshire and Hampden Counties, 72 p. *Amherst: author*.
List of 1493 vascular plants, with few annotations.

1914. *Roberts, Edith A*. The plant successions of the Holyoke Range. *Bot. Gaz.* 58:432-444, map.
Description of the vegetation and its development.

1920. *Fisher, Richard T., and E. I. Terry*. The management of second growth white pine in central New England. *Journ. For.* 18:358-366.
General conclusions, based on practice at Petersham and on observations of 54 areas in Cheshire (New Hampshire), Hampshire and northern Worcester Counties.

HAVERHILL (Essex County)

1924. *Bartlett, Mira W.* Ferns. *Haverhill Publ. Libr. Bull.* 8:17-20.

Popular treatment, with list of local pteridophytes.

1925. *Bartlett, Mira W.* A partial list of the wild flowers found growing in the thirty-two square miles comprised in the city of Haverhill.

Haverhill Publ. Libr. Bull. 8:61-76.

Unannotated list of selected seedplants.

HINGHAM (Plymouth County)

1868. [*Lewis, James S.*] Forest trees and shrubs of Hingham. *Abstract of returns of the agricultural societies of Massachusetts, 1867* (Title on spine: *Agriculture of Massachusetts by C. L. Flint, second series, 1867-8*):109-115.

Annotated list of 22 plants.

1893. *Bouvé, Thomas Tracy.* The botany of Hingham, Massachusetts.

History of the town of Hingham, publ. at Cambridge by the town, 1 (Pt. 1): 87-138.

List of vascular plants, with few annotations.

1893. *Bouvé, Edward T.* The trees and shrubs of Hingham, Massachusetts.

History of the town of Hingham, publ. at Cambridge by the town, 1 (Pt. 1): 139-156, 3 pl.

Annotated list of about 250 plants.

1924. *Knowlton, Clarence Hinckley.* Notes on the plants of Hingham, Massachusetts. *Rhodora* 26:175-177.

Comments on localities and occurrences; additions to the 1893 lists.

IPSWICH (Essex County)

1785. *Cutler, Manasseh.* An account of some of the vegetable productions naturally growing in this part of America, botanically arranged. *Amer. Acad. Arts Sci. Memoirs* 1:396-493.

Annotated list of plants.

1841. *Oakes, Wm.* On the advance of spring in eastern part of Massachusetts. *Hovey's Mag.* 7:201-208, 2 t.

Phenologic data, based on records of 16 years.

1913. *Townsend, C. W.* Sand dunes and salt marshes, ix, 311 p. illustr. *Boston: Page.* 2nd ed., 1925.

Naturalist's account of vegetation, flora and topography.

HOLDEN (Worcester County)

1934. *Mass. Conf. on Land Economic Survey*. Summarized sample survey of natural resources based on the town of Holden and vicinity, 16 p., maps. Boston: Mass. Forest and Park Assoc.

With maps showing soil types, geology, land utilization, and forest types. "Forest survey", pp. 7-8, by Richard T. Fisher.

HUBBARDSTON (Worcester County)

1837. *Russell, John Lewis*. Notice of some rare and beautiful plants found in Hubbardston, Mass., during the months of May, June, July, and August, 1837. *Hovey's Mag.* 3:410-413.

Popular treatment of selected species. Mainly Hubbardston, but also adjacent town to east.

LOWELL (Middlesex County)

1882. *Chase, Chas. Chauncy*. Flora of Lowell and vicinity. *Lowell Morning Mail* (newspaper) 1882 (Nov. 21).

Unannotated list of 456 vascular plants.

1904. *Bayles, James*. Local flora. *Lowell Weekly Journal* May 6, 13, 18, 27; June 3, 10, 17, 24; July 1, 6, 8, 20, 22; August 5.

Popular treatment of selected vascular plants.

LYNN (Essex County)

1862. [*Mudge, B. F.*] The salt marsh formations of Lynn. *Essex Inst. Proc.* (for 1856-60):117-119.

Describes buried stumps and interprets past history. Lynn, and adjacent Saugus and Nahant towns.

1889. *Baxter, Sylvester*. The Lynn public forest. *Garden and Forest* 2: 526-527.

With comments on vegetation, and history of land-use.

1893. [*Atwood, Luther.*] Plants and trees in Lynn Woods. *Fourth Annual Rept. Park Commissioners city of Lynn for year ending Dec. 20, 1892*: 17-24, map.

Unannotated list of vascular plants.

1898. *Atwood, Luther*. Plants and trees in Lynn Woods. *Tenth Annual Park Commission Rept., Lynn, Massachusetts, 1898*: 25-43.

Unannotated list of plants, including cryptogams.

1940. *Chapman, V. J.* Studies in salt marsh ecology. Sect. VI and VII. Comparison with marshes on the east coast of North America. *Journ.*

Ecol. 28:118-152.

With data from marshes at Lynn and adjacent Saugus.

1940. *Chapman, V. J.* Succession on the New England salt marshes. *Ecol.* 21:279-282, 4 f.

Based on survey of literature. With data from marshes at Lynn.

MALDEN (Middlesex County)

1881. [*Silvester, Hattie.*] A list of plants growing without cultivation in Malden and Medford, Mass., with some contributions to a flora of Middlesex County, 19 p. *Malden: Middlesex Inst.*

Unannotated list of about 700 plants, including cryptogams, arranged by month of flowering.

MARSHFIELD (Plymouth County)

1885. *Shaler, N. S.* Sea-coast swamps of the eastern United States.

U.S. Geol. Surv. 6th Ann. Rept. (for 1884-85):353-398, F. 51-57.

With detailed description of Green Harbor River diked lands at Marshfield.

MARTHA'S VINEYARD (Dukes County)

1877. *Morong, Thomas.* The flora of Martha's Vineyard and vicinity.

Field and Forest 3:119-124.

Popular treatment of selected flora and vegetation.

1885. [*Redfield, J. H.*] On the flora of Martha's Vineyard and Nantucket.

*Phila. Acad. Nat. Sci. Proc.:*378-379.

Brief comments on abundant species.

1893. *Hollick, Arthur.* Observations on the geology and botany of Martha's Vineyard. *N. Y. Acad. Sci. Trans.* 13:8-22.

With comments on vegetation, and unannotated list of vascular plants.

1902. *Hollick, Arthur.* Geological and botanical notes: Cape Cod and Chappaquidick Island, Mass. *N. Y. Bot. Garden Bull.* 2:381-407, 8 pl., map.

With unannotated list of 94 species, brief descriptions of the vegetation, and interpretation of the history.

1931. *Meleney, Grace Coit.* Flora of the island, long list of plants collected here last July. *Vineyard Gazette (newspaper)* August 7.

Unannotated list of seedplants.

1947. *Dexter, Ralph W.* Status of eelgrass in the Annisquam tidal river and Menemsha saltwater pond in Massachusetts during the summer of 1947.

U.S. Dept. Agric. Plant Disease Reporter 31:448-449.

Further records of increased abundance of eelgrass. Western Mattha's Vineyard.

MASHPEE (Barnstable County)

1931. Cook, H. O. Original forests of Cape Cod. *Journ. For.* 29:422-423.

Description of forest vegetation of two islands in Halfway Pond (Plymouth town) and Wakeby Lake (Mashpee town).

MEDFIELD (Norfolk County)

n.d. Knowlton, Clarence Hinckley. Flora of Rocky Woods Reservation, Massachusetts, 11 p., map on cover. [Boston: Trustees of Public Reservations.]

Popular treatment of vegetation. Unannotated list of species. Bulletin received November 1949.

MEDFORD (Middlesex County)

1875-76. Davenport, Geo. E. Flora of Medford. *Medford Chronicle* (newspaper) 13 parts.

Popular treatment of selected vascular plants.

1881. [Silvester, Hattie.] A list of plants growing without cultivation in Malden and Medford, Mass., with some contributions to a flora of Middlesex County, 19 p. Malden: Middlesex Inst.

Unannotated list of about 700 plants, including cryptogams, arranged by month of flowering.

MIDDLESEX COUNTY

1886. Lawrence, Rosewell B. Middlesex Fells. *Appalachia* 4:199-214, Pl. 5 (folded map).

General description. Mainly Medford and Stoneham towns.

1888. Dame, Lorin L., and Frank Shipley Collins. Flora of Middlesex County, Massachusetts, xix, 201 p., map. Malden: Middlesex Inst.

Annotated list of 2061 plants, including cryptogams.

1899. Cook, Mable Priscilla. Some additions to the "Flora of Middlesex County, Massachusetts." *Rhodora* 1:80-82.

Annotations to new and old species.

1899. Smith, Ernest C. Further additions to the flora of Middlesex County, Massachusetts. *Rhodora* 1:97-98.

Annotations for 23 additions, mainly Framingham town.

1899. Hosmer, Alfred W. Further additions to the flora of Middlesex County, Massachusetts. *Rhodora* 1:223-224.

Annotations for additions, mainly Concord town.

1906. *Howe, Reginald Huber*. Some additions to the flora of Middlesex county, Massachusetts. *Bryol.* 9:81-82.

Annotated list of 24 bryophytes.

1892. *Lawrence, Rosewell B.* Middlesex Fells. *Appalachia* 6:322-326, Pl. 6 (folded map).

General description.

1947. *Eaton, Richard J.* *Lemna minor* as an aggressive weed in the Sudbury River. *Rhodora* 49:165-171, 1 t.

Popular treatment of vegetation changes, correlated with alkaline wastes.

MILFORD (Worcester County)

1882. *Ballou, Adin*. Vegetation and animality. His *History of the town of Milford, Worcester County, Massachusetts, from its first settlement to 1881*, publ. at Boston by the town: 23-25.

Popular treatment of vegetation, with consideration of origin of natural meadows.

MILLBURY (Worcester County)

1894. *Jackson, Joseph*. Through glade and mead, a contribution to local natural history, xiii, 332 p., 14 illustr. *Worcester: Putnam Davis*.

A naturalist's account, arranged by seasons, with lists of phenologic data. Appendix A, p. 253-320: "Flora of Worcester County, a catalogue of the phaenogamous and vascular cryptogamous plants of Worcester County, Massachusetts, 2 ed., rev. and enl.," a briefly annotated list of 1098 vascular plants. Appendix B, p. 321-328: "The trees, shrubs and evergreen flowering plants growing without cultivation in Worcester County," an unannotated list. Appendices also published separately by author, Worcester, 1894, under title of Appendix A, 76 p., 5 pl.

MILTON (Norfolk County)

1888. [*Churchill, J. R.* List of trees and plants growing naturally in Milton, Mass.] A. K. Teele's *The history of Milton, Massachusetts, 1640-1887*, publ. at Milton by the town: 592-613.

These pages include annotated lists of plants.

n.d. *Churchill, J. R.* List of trees and plants growing naturally in Milton, Mass., 16 p. *Milton: author*.

Annotated list of about 550 plants, apparently extracted from above.

MONTEREY (Berkshire County)

1931. *Stafford, Earle*. Skeleton planting. *Journ. For.* 29:41-47.

With description of old-field vegetation development. Area now part of Beartown State Forest.

MOUNT WASHINGTON (Berkshire County)

1901. Britton, Eliz. G. The rare mosses of Bashbish Falls. *Torrey* 1: 9 only.

Popular treatment of selected species.

1919. Knowlton, Clarence Hinckley. An excursion to Mt. Washington, Massachusetts, and Bash-bish Falls. *Rhodora* 21:198-202.

Popular treatment of selected species and vegetation.

NAHANT (Essex County)

1862. Tracy, C. M. Noticeable traits of the flora of Nahant. *Essex Inst. Proc.* 2 (for 1856-60):272-277.

Popular treatment of selected species and vegetation. Interpretation of history since 1633.

1898. Farlow, W. G. Botany: marine algae. A. W. Grabau and J. E. Woodman's *Guide to localities illustrating the geology, marine zoology and botany of the vicinity of Boston*, publ. at Boston by Amer. Assoc. Adv. Sci.: 97-100.

Description of marine algae at Nahant, and at Magnolia (Gloucester town).

NANTUCKET COUNTY

1882. Owen, Maria L. Botany. E. K. Godfrey's *The island of Nantucket, what it was and what it is*, publ. at Boston by Lee & Shepart, publ. at N. Y. by Dillingham: 36-47.

Unannotated list of plants.

1885. [Redfield, J. H.] On the flora of Martha's Vineyard and Nantucket. *Phila. Acad. Nat. Sci. Proc.* 1885:378-379.

Brief comments on abundant species.

1888. Owen, Maria L. A catalogue of plants growing without cultivation in the county of Nantucket, Mass., 87 p. *Northampton: Gazette Printing*. Introduction on vegetation. Annotated list of 788 plants, including cryptogams.

1894. Wilder, Burt G. Evidence as to the former existence of large trees on Nantucket Island. *Amer. Assoc. Adv. Sci. Proc.* 43: one page. Comments on stumps in an old peat bog.

1901. Smith, Sara Winthrop. Nantucket, a brief sketch of its physiography and botany, 24 p. N. Y.: Knickerbocker Press.

Popular treatment of vegetation and of selected species.

1908. *Wilson, Anne*. Boggy solitudes of Nantucket, 118 p. *N. Y. & Washington: Neale*.
Naturalist's account of bog plants and vegetation.
- 1908-1919. *Bicknell, Eugene P.* The ferns and flowering plants of Nantucket. *Bull. Torrey Bot. Club* 35(1908):49-62, 181-201, 471-498; 36(1909):1-29, 441-456; 37(1910):51-72; 38(1911):103-133, 447-460; 39(1912):69-80, 415-428; 40(1913):605-624; 41(1914):71-87, 411-427; 42(1915):27-47, 331-349, 549-570; 43(1916):265-276; 44(1917):369-387; 45(1918):365-383; 46(1919):423-440.
Annotated list of 1136 plants.
1911. *Cushman, Jos. A.* Three additional plants from Nantucket. *Rhodora* 13:105.
Annotations on three additions.
1914. *Gardner, Grace Brown*. [The Nantucket flora.] Robt. Alexander Douglas-Lithgow's *Nantucket, a history, publ. at N. Y. & London by Putnam*:245-268.
Popular introductory treatment. Unannotated list of vascular plants, Latin names only.
1914. *Harshberger, John W.* The vegetation of Nantucket. *Geogr. Soc. Phila. Bull.* 12:70-79 (also paged as 24-33), 10 f., map.
Description of vegetation, with map of cover types.
1916. *McAtee, W. L.* The winter flora of Muskeget Island, Massachusetts. *Rhodora* 18:93-99.
Description of vegetation. Annotated list of 54 vascular plants.
1921. *Albertson, A. O.* Nantucket wild flowers, xlv, 422 p., illustr. *New York: Putnam*.
A manual of 300 species, well illustrated, with keys.
1930. *Jones, Bassett*. *Pinus thunbergii* on Nantucket. *Nat. Hort. Mag.* 9:181-190, illustr.
Naturalization of *P. thunbergii*, with other vegetation notes.
1935. *Jones, Bassett*. Was Nantucket ever forested? *Nantucket Historical Assoc. Proc.* 1935:19-28.
A consideration, with negative conclusion.
1942. *Rice, Mabel A.* The mosses and liverworts of Nantucket. *Bryol.* 45:115-124.
Popular treatment of vegetation. Unannotated list of 53 plants.
1946. *Rice, Mabel A.* Trees and shrubs of Nantucket; descriptions, identification keys, list of trees and shrubs, 77 pp, 1 pl. *Nantucket: Maria Mitchell Assoc.*
Lists, keys, descriptions, bibliography.

1948. *Griscom, Ludlow, and Edith V. Folger.* The birds of Nantucket, 156 p., illustr., map, index. *Cambridge: Harvard Univ. Press.*
With interpretation of vegetation changes in recent decades.

NEEDHAM (Norfolk County)

1878. *Higginson, Storrow, and Samuel B. Read.* Partial list of the flora of Needham and immediate vicinity, 9 p. *Needham: author.*
Unannotated list of 369 seedplants, with flowering dates.

NEW BEDFORD (Bristol County)

1860. *Hervey, Eliphalet Wm.* A catalogue of the plants found in New Bedford and its vicinity; arranged according to the season of their flowering, 30 p. *New Bedford: author.*
Unannotated list of seedplants, with a short list of bryophytes.
1891. *Hervey, Eliphalet Wm.* Flora of New Bedford and the shores of Buzzard's Bay, with a procession of the flowers, 80 p., index. *New Bedford: author.*
List of 1456 plants including cryptogams, arranged according to season of flowering, also arranged systematically.
1911. Rev. ed., 137 p., index. *New Bedford: Anthony.*
List of 1524 plants including cryptogams, arranged similarly.
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Annotated list of 369 plants.

NEWBURYPORT (Essex County)

1891. *Moulton, Edw.* Flora of this vicinity. *Newburyport Daily Standard (newspaper)* 32 articles.
Popular treatment of vascular plants.
1902. *Colman, Harriot W.* The trees of Newburyport, 32 p. *Newburyport: City Improvement Soc.*
Popular treatment of selected species.

NORTON (Bristol County)

1943. *Rice, Mabel A.* Bryophytes in the vicinity of Wheaton College, Norton, Massachusetts. *Bryol.* 46:66-71.
Annotated list of 65 plants.

OXFORD (Worcester County)

1939. *Allard, H. A.* Marsh gas in the ecology of some peat-bogs. *Science*

89:533-535.

Inferences concerning effects of marsh gas. Grassy Pond.

PETERSHAM (Worcester County)

1911. *Jack, John G.* Trees and other woody plants found in the Harvard Forest, Petersham, Massachusetts. *Harvard Forestry Club Bull.* 1:10-26.
Annotated list of about 175 species.
1913. *Carter, E. E.* A volume table for red maple on the Harvard Forest. *Harvard Forestry Club Bull.* 2:1-8, 5 t.
Correlations of volume, height, DBH and other factors.
1913. *Kittredge, J.* Notes on the chestnut bark disease (*Diaportha parasitica*, Murrill) in Petersham, Mass. *Harvard Forestry Club Bull.* 2:13-22.
Details of state of infection in 1912.
1915. *Frothingham, E. H.* The northern hardwood forest: its composition, growth, and management. *U.S. Dept. Agric. Bull.* 285: 80 p.
Contains volume tables for red maple.
1918. *Fisher, Richard T.* The yield of volunteer second growth as affected by improvement cutting and early weeding. *Journ. For.* 16:493-506, 3 f., 7 t.
Natural development vs. silvicultural treatment in forests which follow clear-cutting.
1922. *Patton, Reuben T.* Red oak and white ash. *Harvard Forest Bull.* 4:38 p, illustr., 20 t.
Various growth data, Harvard Forest.
1922. *Peirson, H. B.* Mound-building ants in forest plantations. *Journ. For.* 20:325-336.
Killing of pines and of hardwoods in vicinity of mounds, Harvard Forest.
1927. *Marshall R.* The growth of hemlock before and after release from suppression. *Harvard Forest Bull.* 11:43 p., 10 f., 8 t.
Reconstruction of post-logging history at Petersham. Hemlock studies in northern Worcester County.
1928. *Fisher, Richard T.* Soil changes and silviculture on the Harvard Forest. *Ecology* 9:6-11, 1 f., Pl. 3.
Comments on various silvicultural conversions.
1930. *Griffith, B. G., E. W. Hartwell, and T. E. Shaw.* The evolution of soils as affected by the old field white pine mixed hardwood succession in central New England. *Harvard Forest Bull.* 15: 82 p., 7 f., 17 t.
Soil characteristics in relation to silvicultural conversions.

1930. *Hatt, Robt. T.* The relation of mammals to the Harvard Forest. *Roosevelt Wildlife Bull.* 5:625-671, F. 191-213.
Relationships of mammal species to tree species, especially exotic plantation trees.
1941. [*Harvard Forest.*] The Harvard Forest Models, 48 p., illustr. *Petersham: Harvard College.*
Description of museum models, interpreting vegetation history and silvicultural practices.
1941. *Raup, H. M., and R. E. Carlson.* The history of land use in the Harvard Forest. *Harvard Forest Bull.* 20:64 p., 9 f. (maps).
With interpretation of colonial and post-colonial vegetation.
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Based on growth data from red oak and white ash.
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General discussions, summaries, descriptions of 14 specific cases.
1948. *Holsoe, Torkel.* Crown development and basal area growth of red oak and white ash. *Harvard Forest Papers* 1:27-33, 5 f.
Correlation studies, for field interpretation of recent growth from trunk and crown diameters.

PLAINFIELD (Hampshire County)

1818. *Porter, Jacob.* Floral calendar for Plainfield, Massachusetts, 1818. *Amer. Journ. Sci.* 1:254-255.
Chronologic data for selected species.
1821. *Porter, Jacob.* Floral and miscellaneous calendar for Plainfield, Mass. ... *Amer. Journ. Sci.* 3:273-284.
Chronologic data for selected species for 1819.

PLUM ISLAND (Essex County)

1885. *Shaler, N. S.* Sea-coast swamps of the eastern United States. *U.S. Geol. Surv. 6th Ann. Rept. (for 1884-85):* 353-398, F. 51-57.
With a detailed account of the marshes at Plum Island.
1947. *Carson, Rachel L.* Parker River, A National Wildlife Refuge.

- U.S. Fish & Wildlife Service Conservation in Action 2: 14 p., illustr.
Popular treatment, with comments on the vegetation.

PLYMOUTH COUNTY

1901. *Parish, S. B.* The vegetation of Plymouth three hundred years ago. *Rhodora* 3:17.
Comments on a publication of 1602-1625.
1914. *Knowlton, Clarence Hinckley.* The original flora of the old colony. *Rhodora* 16:113-116.
Collection of botanical notes from "Mount's Relation" 1622. Plymouth Bay, and Middleboro north to Taunton River.
1918. *Morris, James J.* The forests of Plymouth County. The results of a forest survey of the twenty-seven towns in the county, 148 p., illustr., map. *Boston: Mass. State Forester.*
With data on types, size classes, etc., for each town.

PLYMOUTH (Plymouth County)

1904. *Hedge, Catherine Elliott.* Wild flowers of Plymouth and vicinity 1804-1904, 46 p., 2 pl. *Boston: author.*
Unannotated list of plants, including some cryptogams.
1931. *Cook, H. O.* Original forests of Cape Cod. *Journ. For.* 29:422-423.
Description of forest vegetation of two islands in Halfway Pond (Plymouth town) and Wakeby Lake (Mashpee town).

PROVINCETOWN (Barnstable County)

1904. *Westgate, J. M.* Reclamation of Cape Cod sand dunes. *U.S. Bur. Plant Industry Bull.* 65:38 p.
Vegetation, physiography and history of the dunes; and effects due to management practices.

REVERE (Suffolk County)

1883. *Young, Herbert A., and John Robinson.* Catalogue of the flora of "Oak Island," Revere, Massachusetts: with notes. *Essex Inst. Bull.* 14: 141-157, map. Reprint: 19 p., *Peabody Acad. Sci., Peabody.*
Annotated list of 364 plants including cryptogams, from a 20-acre island.
1902. *Rich, Wm. Penn.* Oak island and its flora. *Rhodora* 4:87-94.
Popular treatment of seasonal aspects. Annotated additions to Young's list.
1920. *Wherry, E. T.* Plant distribution around salt marshes. *Ecol.* 1: 42-48.
Acidity tests on soils of different communities.

ROCKPORT (Essex County)

1873. *Leonard, Henry C.* Trees and flowers of Cape Ann. His *Pigeon Cove and vicinity*, publ. at Boston by Searle: 140-156.

Popular treatment of vegetation. Unannotated list of vascular plants.

RUSSELL (Hampden County)

1946. *Reynolds, Harris A.* The Russell Town Forest, a forest management plan. *Mass. Forest and Park Assoc. Bull.* 170: 8 p., illustr.

With comments on vegetation, and type map.

SALEM (Essex County)

1849. [*Peabody, Eliz. P.*] Vegetation about Salem, Mass. Her *Aesthetic Papers*, publ. at Boston by the editor, and at N. Y. by Putnam: 224-245.

Popular treatment of selected vegetation and flora.

1862. *Buttrick, Samuel Bartlett.* [List of plants found in, and within seven or eight miles of Salem, 1857.] *Essex Inst. Proc.* 2 (for 1856-60): 233-242.

Unannotated list of seedplants, arranged by date of flowering.

1870. *Phippen, Geo. D.* "Dark Lane," with allusions to other localities of wild plants in Salem. *Essex Inst. Bull.* 2:97-104.

Comments on various localities, and past abundance of species, with unannotated lists.

1886. *Sears, John H.* List of native and introduced plants observed in flower in the vicinity of Salem, during the spring of 1886, on or before May 1. *Essex Inst. Bull.* 18:95-98.

Unannotated list of seedplants.

1902. *Robinson, John.* Concerning the plants mentioned in Young's *Chronicles*. *Rhodora* 4:81-82.

Further comments on the publication of 1602-1625, indicating that Salem be credited, not Plymouth.

1926. *Robinson, J.* Plants growing the first season in an uncovered cellar. *Rhodora* 28:69-74.

List of 75 species, representing a pioneer community, in cellar of a burned church.

SHEFFIELD (Berkshire County)

1947. *Weatherby, C. A.* Bartholomew's Cobble. *Amer. Fern Journ.* 37:1-6, 1 f.

Popular treatment of selected flora and vegetation.

1948. *Bailey, S. Waldo. Bartholomew's Cobble, 8 p., illustr. Boston: Trustees of Public Reservations.*

Popular treatment of selected flora and vegetation.

1949. *Weatherby, C. A. Rare Scott's spleenwort, one chance in a thousand. Horticulture, March: one page.*

Popular treatment of selected plants.

SHREWSBURY (Worcester County)

1900. *Stone, Geo. Edward. Flora of Lake Quinsigamond. Worcester Nat. Hist. Soc. Ann. Repts., Oct. 1900: 3-8. Republ.: by author, signed 1899, 12 p.*

Unannotated list of 450 plants, including cryptogams.

SOUTHBRIDGE (Worcester County)

- 1882-1883. *Amidown, Lucius Edwin. The flora of Southbridge. Southbridge Journal (newspaper) 1882 (July 28, August 4); 1883 (November 9).*

Unannotated list of vascular plants, with months of flowering.

1945. *Bromley, Stanley W. An Indian relict area. Sci. Mo. 60:153-154.*

Interpretation of vegetation from Indian times, through several changes, to present conditions.

SPRINGFIELD (Hampden County)

1901. *Barney, Everett H. Flora of Forest Park. Park Commissioners' Rept. Springfield, Massachusetts 1900: 45-67.*

Unannotated lists of native and introduced vascular plants.

1916. *Barney, Everett H. Flora of Forest Park. Rept. Board Park Commissioners City of Springfield, Mass. for the year ending November 30, 1916: 23-36.*

Unannotated lists of native and introduced vascular plants. Repeated in report for 1917+21-34.

1924. *Andrews, Luman, et al. Catalogue of the flowering plants and ferns of Springfield, Massachusetts, growing without cultivation, Springfield Mus. Nat. Hist. Bull. 3: 221 p., 10 pl., map.*

Annotated list of over 1200 vascular plants.

1927. *Seymour, F. C. Additions to the flora of Springfield, Massachusetts. Rhodora 29:241-246.*

Annotations on additions, and other comments.

STOCKBRIDGE (Berkshire County)

1914. [*Hoffmann, Ralph, and G. Thompson.*] Notes on Stockbridge trees. *Stockbridge* 1:8-11.

Unannotated list of 85 trees; and local notes.

SUFFOLK COUNTY

1880. *Gray, Asa*. The flora of Boston and its vicinity, and the changes it has undergone. *Justin Winsor's Memorial history of Boston, including Suffolk County, Massachusetts* 1:17-22, 1 f.

Consideration of pre- and post-Pleistocene changes. Popular treatment of selected seedplants.

SUNDERLAND (Franklin County)

1896. *Beals, A. T.* The ferns of Mount Toby, Mass. (*Linn.*) *Fern Bull.* 4: 1-2.

Popular treatment of selected plants.

1901. *Owen, Maria L.* Ferns of Mt. Toby, Massachusetts. *Rhodora* 3:41-43.

Popular treatment of selected plants.

TEMPLETON (Worcester County)

1905. *Blodgett, P.* List of plants, 10 p. *Templeton: author.*

Unannotated list of vascular plants.

WALTHAM (Middlesex County)

1883. *Baker, Edward D.* A partial list of the native flora of Waltham, Massachusetts, xii, 36 p. *Waltham: author.* Another printing: by *Waltham Botany Club*, without mention of author's name.

Unannotated list of plants, including cryptogams.

WAREHAM (Plymouth County)

1935. *Stevens, N. E.* Notes on *Zostera marina* in Upper Buzzards Bay, Mass. *U. S. Dept. Agric. Plant Disease Reporter* 19:232-233, F. 52.

Comments on exact locations of several small colonies in Buttermilk Bay. (Possibly also in Bourne town, Barnstable County.)

1936. *Stevens, N. E.* Notes on the condition of *Zostera marina* in Buttermilk Bay, Massachusetts. *U.S. Dept. Agric. Plant Disease Reporter* 20: 279-281, F. 48.

Comments on enlarging colonies. Same locations.

WILLIAMSTOWN (Berkshire County)

1858. *Chadbourne, P. A.* Natural history catalogue for Williamstown, Massachusetts. *Williams Quarterly* 5: 342-359.

With unannotated list of vascular plants.

WORCESTER (Worcester County)

1894. *Tucker, Arabella Hannah*. Trees of Worcester, 98 p., illustr.
Worcester: Putnam Davis.

Popular treatment of local species and of individual specimens.

1910. *Greenwood, Helen E.* Preliminary list of hepatics collected in
 Worcester, Massachusetts. *Bryol.* 13:7-9.

Annotated list of 36 plants.

1915. *Greenwood, Helen E.* Revised list of hepatics collected in and near
 Worcester, Massachusetts. *Bryol.* 18:6-9, 28-29.

Annotated list of 62 plants from Worcester and nearby towns.

WORCESTER COUNTY

- 1882-84. *Jackson, Joseph*. [Plants of Worcester County.] *Worcester Daily
 Spy (newspaper)*, 1882 (May); 1884 (March).

List with notes of vascular plants, arranged according to season.

Not seen.

1883. *Jackson, Joseph*. Flora of Worcester County, Massachusetts, 48 p.
Worcester: Nat. Hist. Soc.

Briefly annotated list of 812 vascular plants, with "A list of the
 trees, shrubs and evergreen flowering plants growing naturally in
 Worcester County, Massachusetts."

1889. *Jackson, Joseph*. Additions to the flora of Worcester County.
Camp and Lake No. 1.

Annotated list of additions. Not seen.

1890. *Stone, Geo. Edward*. Additions to the flora of Worcester County.
Camp and Lake 2(4):10; (8):10-11.

Unannotated lists of additions, including mosses.

- 1899-1901. *Harper, Roland M.* Additions to the flora of Worcester County,
 Massachusetts. *Rhodora* 1 (1899): 42-43, 201-205; 3(1901):185-189.

Annotated lists of additions, additional annotations to old species.

1900. *Knowlton, Clarence Hinckley*. Further notes on the flora of
 Worcester County, Massachusetts. *Rhodora* 2:201-202.

Annotated list of species, mainly additions.

1894. *Jackson, Joseph*. Flora of Worcester County, a catalogue of the
 phaengamous and vascular cryptogamous plants of Worcester County,
 Massachusetts, 2 ed., rev., and enl. His *Through glade and mead...*,
 publ. at Worcester by Putnam Davis: 253-320. Publ. separately under
 this title, but including also pages 321-328, "The trees, shrubs and
 evergreen flowering plants growing without cultivation in Worcester
 County," publ. at Worcester by the author, 76 p., 5 pl.

First part, an annotated list of 1098 plants. Second part, an
 unannotated list.

1909. *Jackson, Joseph*. A catalogue of the flowering plants and ferns of Worcester County, Massachusetts, 3rd ed., 102 p., 9 pl. *Worcester: Nat. Hist. Soc.*

Annotated list of 1240 vascular plants.

1927. *Jackson, Joseph*, preface by *N. P. Woodward*. Additions to the flora of Worcester, Massachusetts, a list of plants found growing out of cultivation, 49 p. *Worcester: Nat. Hist. Soc.*

Annotated list, increasing total to 1661 vascular plants.

1935. *Potter, David*, and *Norman P. Woodward*. Notes on the flora of Worcester County, Massachusetts. *Rhodora* 37:80-88.

Annotated list of additions.

1940. *Potter, David*, *Norman P. Woodward*, et al. Notes on the flora of Worcester County, Massachusetts - II. *Rhodora* 42:40-47.

Annotated list of additions.

1917. *Cook, H. O.* The forests of Worcester County, the results of a forest survey of the fifty-nine towns in the County and a study of their lumber industry, 88 p. *Boston: State Forester.*

A town by town survey, recognizing seven forest cover types.

1920. *Fischer, Richard T.*, and *E. I. Terry*. The management of second growth white pine in central New England. *Journ. For.* 18:358-366.

General conclusions, based on practice at Petersham and on observations of 54 areas in Cheshire (New Hampshire), Hampshire and northern Worcester Counties.

1920. *Spaeth, J. N.* Growth study and normal yield tables for second growth hardwood stands in central New England. *Harvard Forest Bull.* 2: 21 p., 4 t.

Composition and yield tables for three forest types in northern Worcester County.

1923. *Averill, R. C.*, *W. B. Averill*, and *W. I. Stevens*. A statistical forest survey of seven towns in central Massachusetts. *Harvard Forest Bull.* 6: 1 f., 18 t.

Timber survey of eastern Franklin County and northwestern Worcester County, with vegetation data.

1924. *Tarbox, E. E.*, and *P. M. Reed*. Quality and growth of white pine, as influenced by density, site and associated species. *Harvard Forest Bull.* 7: 30 p, 8 f., 10 t.

Correlation of growth characteristics with site and density, in three forest types of northern Worcester County.

1927. *Marshall, R.* The growth of hemlock before and after release from suppression. *Harvard Forest Bull.* 11: 43 p., 10 f., 8 t.

Reconstruction of post-logging history at Petersham. Hemlock studies in northern Worcester County.

1935. *McKinnon, F. S., G. R. Hyde, and A. C. Cline.* Cut-over old field pine lands in central New England. A regional study of the composition and stocking of the ensuing volunteer stands. *Harvard Forest Bull.* 18: 80 p., 12 f., 9 t.
Composition and density in relation to site and age. Northern Worcester, eastern Franklin, and Cheshire (New Hampshire) Counties.
1938. *Brierly, Wm. B.* The relation of *Pinus rigida* to physiographic features and soil types in central Mass. *Rhodora* 40:72-73.
Correlation with sterile sandy soil of Merrimac and Hinckley series.
1944. *Malumphy, T. L'H.* A study of pollution effect on the flora of a portion of the Blackstone River drainage area in Massachusetts. *Clark Univ. Abstracts of Diss. and Theses* 16:3-5.
Physical and chemical analyses in relation to aquatic spermatophytes.
1947. *Brues, Chas. T.* Changes in the insect fauna of a New England woodland following the application of DDT. *Harvard Forest Papers* 1:18 p., 18 t.
Concerns insect populations of typical upland forests. Royalston, Athol and Petersham towns.

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- Bicknell, Eugene P.* 1908-1919. See NANTUCKET CO.
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- Doty, Maxwell S.* 1948. See ELIZABETH ISLANDS.
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1899. See MIDDLESEX CO., 1888, *Dane, L. L.*
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1883. See WORCESTER CO.
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1924. See HINGHAM.
1945. See BOSTON DISTRICT.
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n.d. See MASHPEE.
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- Shaler, N. S.* 1885. See GENERAL, and PLUM ISLAND, and MARSHFIELD.
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