Collection Summary
Title: Abbott Lawrence Rotch Papers
Span Dates: 1896-1912
Bulk Dates: (bulk 1903-1910)
ID No.: MSS85493
Creator: Rotch, Abbott Lawrence
Extent: 1,050 items
Extent: 4 containers plus 1 oversize
Extent: 1.4 linear feet
Language: Collection material in English with French and German
Location: Manuscript Division, Library of Congress, Washington, D.C.
LC Catalog record: https://lccn.loc.gov/mm2009085493
Summary: Meteorologist and balloonist. Correspondence, financial papers, photographs, writings, maps, tables, charts, newspaper clippings, printed matter, and other material relating chiefly to Rotch's interest in meteorology and aeronautics.

Selected Search Terms
The following terms have been used to index the description of this collection in the LC Catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically.

People
Abbe, Cleveland, 1838-1916--Correspondence.
Allen, James, 1849-1933--Correspondence.
Casella, L. P. (Louis P.), 1812-1897--Correspondence.
Chanute, Octave, 1832-1910--Correspondence.
Curtiss, Glenn Hammond, 1878-1930--Correspondence.
Fassig, Oliver L. (Oliver Lanard), 1860-1936--Correspondence.
Hildebrandt, A. (Alfred), 1870-1949--Correspondence.
Langley, S. P. (Samuel Pierpont), 1834-1906--Correspondence.
Lowell, Percival, 1855-1916--Correspondence.
McAdie, Alexander, 1863-1943--Correspondence.
Means, James, 1853-1920--Correspondence.
Moedebeck, Hermann W. L. (Hermann Wilhelm Ludwig), 1857-1910--Correspondence.
Pickering, Edward C. (Edward Charles), 1846-1919--Correspondence.
Rolls, Charles Stewart, 1877-1910--Correspondence.
Rotch, Abbott Lawrence, 1861-1912.
Shaw, Napier, 1854-1945--Correspondence.
Teisserenc de Bort, Léon Philippe, 1855-1913--Correspondence.
Ward, Robert DeCourcy, 1867-1931--Correspondence.
Wright, Orville, 1871-1948--Correspondence.
Wright, Orville, 1871-1948.
Wright, Wilbur, 1867-1912--Correspondence.
Wright, Wilbur, 1867-1912.

Organizations
International Aeronautical Congress (1904 : St. Louis, Mo.)
Louisiana Purchase Exposition (1904 : Saint Louis, Mo.)

Subjects
Aeronautics--Congresses.
Aeronautics.
Atmosphere.
Flight.
Meteorology.
Occupations
Balloonists.
Meteorologists.

Provenance
The papers of Abbott Lawrence Rotch, meteorologist and balloonist, were purchased by the Library of Congress in 2009.

Additional Guides
An incomplete list of correspondents, received from the dealer from whom the collection was purchased, is available in the Manuscript Division Reading Room.

Other Repositories
Other papers of Abbott Lawrence Rotch can be found in Houghton Library of Harvard University, Cambridge, Massachusetts.

Copyright Status
The status of copyright in the unpublished writings of Abbott Lawrence Rotch is governed by the Copyright Law of the United States (Title 17, U.S.C.).

Access and Restrictions
The papers of Abbott Lawrence Rotch are open to research. Researchers are advised to contact the Manuscript Reading Room prior to visiting. Many collections are stored off-site and advance notice is needed to retrieve these items for research use.

Preferred Citation
Researchers wishing to cite this collection should include the following information: Container number, Abbott Lawrence Rotch Papers, Manuscript Division, Library of Congress, Washington, D.C.

Biographical Note

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1861, Jan. 6</td>
<td>Born, Boston, Mass.</td>
</tr>
<tr>
<td>1884</td>
<td>Graduated, Massachusetts Institute of Technology, Cambridge, Mass.</td>
</tr>
<tr>
<td>1885</td>
<td>Established the Blue Hill Meteorological Observatory, near Boston, Mass.</td>
</tr>
<tr>
<td>1886-1912</td>
<td>Editor or associate editor, <em>American Meteorological Journal</em></td>
</tr>
<tr>
<td>1888-1891</td>
<td>Assistant in meteorology (honorary position), Harvard University, Cambridge, Mass.</td>
</tr>
<tr>
<td>1889</td>
<td>Made two balloon ascensions from Paris, France, using modern instruments</td>
</tr>
<tr>
<td>1893</td>
<td>Married Margaret Randolph Anderson</td>
</tr>
<tr>
<td>1894</td>
<td>Used kites for the first time to record data about the upper atmosphere</td>
</tr>
<tr>
<td>1899-1912</td>
<td>Librarian, American Academy of Arts and Sciences</td>
</tr>
</tbody>
</table>
1900 Published *Sounding the Ocean of Air: Being Six Lectures Delivered to the Lowell Institute of Boston in December 1898*. London: Society for Promoting Christian Knowledge; New York: E. & J. B. Young & Co.

1901 Obtained meteorological data by flying kites from the deck of a moving steamer

1902-1906 Invented a device to determine the true direction and velocity of the wind at sea

1904 Assistant in meteorology (honorary position), Harvard University, Cambridge, Mass.

1905 Used free balloons to make the first meteorological observations in the United States at heights of five to ten miles

1906 Collaborated with Léon Philippe Teisserenc de Bort in sending an expedition to explore the atmosphere over the tropical and temperate parts of the Atlantic Ocean, which secured data that later assisted in establishing the best routes for transatlantic flying

1907 First professor of meteorology, Harvard University, Cambridge, Mass.

1909 Made the first trigonometric measurements of the flight of pilot balloons in the United States


1912 Published with Henry Palmer *Charts of the Atmosphere for Aeronauts and Aviators*. New York: J. Wiley and Sons

1912, Apr. 7 Died, Boston, Mass.

**Scope and Content Note**

The papers of Abbott Lawrence Rotch (1861-1912) span the years 1896-1912 and include correspondence, writings, notes, photographs, maps, drawings, tables, charts, financial papers, newspaper clippings, printed matter, and other material. Rotch developed an early interest in meteorology as a young man that led him to establish in 1885 the Blue Hill Meteorological Observatory, near Boston, Massachusetts. Rotch was the first person in the world to use kites to record data about the upper atmosphere and later used balloons to carry various instruments to record and photograph atmospheric conditions.

The bulk of the collection, 1903-1910, consists of letters to Rotch that are filed in the general correspondence, although the correspondence does contain a few drafts of Rotch’s outgoing letters. The general correspondence, mainly between Rotch and meteorologists, aviators, and aircraft designers, relates chiefly to discussions about aeronautics and atmospheric experiments and observations. The letters include several exchanges with the United States War Department about the air flight trials of the Wright Brothers. Also included are letters relating to Rotch’s writings, speech engagements, and his participation and interest in the International Aeronautical Congress at the Universal Exposition in 1904 in St. Louis, Missouri.


An incomplete list of correspondents, received from the dealer from whom the collection was purchased, is available in the Manuscript Division Reading Room. This list does not include all correspondents and has not been otherwise verified for accuracy by Manuscript Division staff.

**Arrangement of the Papers**

This collection is arranged alphabetically by topic or type of material.
## Container List

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<tr>
<th>Container</th>
<th>Contents</th>
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<td>Commissions and congresses, proceedings and related papers, 1904-1909 <em>See Oversize</em> (2 folders)</td>
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<tr>
<td>BOX 1</td>
<td>Financial papers, 1904</td>
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<tr>
<td>BOX 1</td>
<td>General correspondence</td>
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<td>BOX 1</td>
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<td>BOX 2</td>
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<td>BOX 2</td>
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<td>BOX 3</td>
<td>1910-1912, undated (13 folders)</td>
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<tr>
<td>BOX 3</td>
<td>Map and drawing, Undated <em>See Oversize</em></td>
</tr>
<tr>
<td>BOX 3</td>
<td>Miscellany, 1904-1910, undated</td>
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<tr>
<td>BOX 3</td>
<td>Newspaper clippings and other printed matter, 1901-1910, undated (5 folders)</td>
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<tr>
<td>BOX 3</td>
<td>Notes, 1901-1906, undated</td>
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<tr>
<td>BOX 3</td>
<td>Photographs, 1896, 1902-1909, undated (3 folders)</td>
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<tr>
<td>BOX 4</td>
<td>Tables and charts, 1900-1909</td>
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<tr>
<td>BOX 4</td>
<td>Writings</td>
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<td>BOX 4</td>
<td>By others, 1899, undated</td>
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<tr>
<td>BOX 4</td>
<td>By Rotch, 1903-1910, undated (8 folders)</td>
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<tr>
<td>BOX OV 1</td>
<td>Oversize</td>
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<tr>
<td>BOX OV 1</td>
<td>Congresses and commissions, proceedings and related papers, 1909 (Box 1)</td>
</tr>
<tr>
<td>BOX OV 1</td>
<td>Map and drawing, undated (Box 3)</td>
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