

# Guide to the Natural Science Manuscripts Collection

MS 583



July 2008

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## Collection Overview

**REPOSITORY:** Manuscripts and Archives  
Yale University Library  
P.O. Box 208240  
New Haven, CT 06520-8240  
(203) 432-1735  
(203) 432-7441  
beinecke.library@yale.edu  
<http://www.library.yale.edu/mssa/>

**CALL NUMBER:** MS 583

**TITLE:** Natural Science manuscripts collection

**DATES:** 1817-1918

**PHYSICAL DESCRIPTION:** 6.75 linear feet (15 boxes)

**LANGUAGE:** English

**SUMMARY:** An artificial collection of papers of Yale faculty members and other individuals active in the academic fields of astronomy, biology, botany, geology, mathematics, physics, agriculture, chemistry and zoology. The papers of inventors are also included. Individuals and organizations represented in the collection include: Oscar Dana Allen, Jesse Buel, William Whitman Bailey, John Torrey, Attale Riche, Denison Olmsted, Simon Newcomb, James Duncan Hague, Amos Beebe Eaton, Asa Gray, Arthur Williams Wright, Sidney Irving Smith, and the Geological Society of London.

**ONLINE FINDING AID:** To cite or bookmark this finding aid, please use the following link: <https://hdl.handle.net/10079/fa/mssa.ms.0583>

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Key to the container abbreviations used in the PDF finding aid:

b. box  
f. folder

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## Administrative Information

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### Immediate Source of Acquisition

Denison Olmsted materials in boxes 13 and 14 were a gift of B. Denison Olmsted, 2011.

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## Conditions Governing Access

The materials are open for research.

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## Conditions Governing Use

Copyright status for collection materials is unknown, though much of the material in this collection is likely in the public domain. Transmission or reproduction of materials protected by U.S. Copyright Law (Title 17, U.S.C.) beyond that allowed by fair use requires the written permission of the copyright owners. Works not in the public domain cannot be commercially exploited without permission of the copyright owners. Responsibility for any use rests exclusively with the user.

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## Preferred Citation

Natural Science Manuscripts Collection (MS 583). Manuscripts and Archives, Yale University.

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## Existence and Location of Copies

Journal of Denison Olmsted, 1824-1841 is available on microfilm (1 reel, 35mm.) from Manuscripts and Archives, Yale University Library, at cost. Order no. HM188.

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## Associated Materials

Arthur Williams Wright Papers (MS 1860). Manuscripts and Archives, Yale University Library.

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## Scope and Contents

An artificial collection of papers of Yale faculty members and other individuals active in the academic fields of astronomy, biology, botany, geology, mathematics, physics, agriculture, chemistry and zoology. The papers of inventors are also included. Individuals and organizations represented in the collection include: Oscar Dana Allen, Jesse Buel, William Whitman Bailey, John Torrey, Attale Riche, Denison Olmsted, Simon Newcomb, James Duncan Hague, Amos Beebe Eaton, Asa Gray, Arthur Williams Wright, Sidney Irving Smith, and the Geological Society of London.

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## Arrangement

Arranged in nineteen sections.

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## Collection Contents

### Original accession

#### OSCAR DANA ALLEN (1836-1913)

Oscar Dana Allen, metallurgist, chemist, botanist, received his Bachelor of Philosophy degree (Ph.B) from Sheffield Scientific School, Yale College in 1861. He also studied chemistry in Germany. Allen conducted metallurgical work in Pennsylvania for several years. He was appointed professor of metallurgy and assaying and was a member of the Governing Board of Sheffield Scientific School in 1870. In 1873 his title was changed to professor of analytical chemistry and metallurgy. He retired, from Sheffield in 1887 due to poor health, and spent the remainder of his life studying botany.

This collection consists of letters written to Oscar Dana Allen generally on the subject of botany. The letters are arranged alphabetically by the name of the writer. The letters from Johann Breidler and Schulze are in German.

b. 1, f. 1	Austin, Coe F.	1878-1880, undated
b. 1, f. 2	Breidler, Johann	1880-1881, 1883-1884
b. 1, f. 3	James, Thomas Potts	1879
b. 1, f. 4	Lewis, John Harbord	1882
b. 1, f. 5	Rau, Eugene A.	1879-1884
b. 1, f. 6	Schulze	1879-1880

#### JACOB WHITMAN BAILEY (1811-1857)

Jacob Whitman Bailey, naturalist, and professor of chemistry, mineralogy and geology at the U.S. Military Academy at West Point, 1834-1857, pioneered in the use of the microscope in scientific work in the United States. In 1856 he was elected president of the American Association for the Advancement of Science.

His sons were Loring Woart Bailey, chemist and geologist, and William Whitman Bailey, botanist.

#### Correspondence

b. 1, f. 7	Bailey William Marsh	1850
b. 1, f. 8	Dana, James Dwight (also, letter of sympathy to William Marsh Bailey on the death of J.W.B.)	1843, 1857
b. 1, f. 8a	Mantell, Gideon Algernon	1849
b. 1, f. 8b	Morton, Samuel George	1846

#### Special Files

b. 1, f. 9	Resolution of tribute and sympathy to family of Jacob Whitman Bailey. Probably delivered by Benjamin Silliman before the American Association for the Advancement of Science.	1857
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## WILLIAM WHITMAN BAILEY (1843-1914)

William Whitman Bailey, botanist, was the son of the naturalist, Jacob Whitman Bailey (1811-1857). He graduated (1864) from Brown University where he later became Professor of Botany in 1881.

CORRESPONDENCE includes letters both to and from Bailey and is arranged alphabetically by the name of the writer of the letter or by the name of the person to whom the letter was addressed. There is a small group of "Correspondence of Others" containing materials about Bailey.

SPECIAL FILES is arranged alphabetically by subject or title and includes a few pages of botanical notes from the U.S. Geological Survey, 40th Parallel, on which Bailey was botanist (1867-1868), and a diary extract about a visit to a Yale Psi Upsilon banquet (1902).

## Correspondence

b. 1, f. 10	Arms, Charles J.	1897
b. 1, f. 10	Barrows, Ira	1886
b. 1, f. 10	Bissell, Mrs. J.W.	1892
b. 1, f. 11	Bailey, William Marsh	1861
b. 1, f. 12	Bailey, Mrs. William Whitman	1908
b. 1, f. 13	Brewer, William Henry	1880-1902
b. 1, f. 14	Bridgman, H.L.	1886-1902
b. 1, f. 15	Callender, W.	1898
b. 1, f. 15	Depew, Chauncey M.	1890
b. 1, f. 16	Catlin, Charles Taylor (1835-1912)	1890-1910
b. 1, f. 17	Dana, James D.	1865
b. 1, f. 18	Eaton, Daniel Cady (1834-1895)	1879-1880
b. 1, f. 19	Finch, F.W.	
b. 1, f. 19	Goddard, R.H. Ives, Jr.	1902
b. 1, f. 19	Hamlin, Charles E.	1878
b. 1, f. 20	Hague, Arnold	1911
b. 1, f. 21	Hall, A.H.	1889, 1890
b. 1, f. 21	Hall, Elizabeth N	undated
b. 1, f. 22	Martin, _____	1902
b. 1, f. 22	Palmer, O.L. (for Clarence King)	1868
b. 1, f. 23	Robinson, W.E.	1890
b. 1, f. 23	Sprague, Homer B.	1879

## WILLIAM WHITMAN BAILEY (1843-1914) &gt; Correspondence (continued)

b. 1, f. 23	Stedman, E.C.	1897
b. 1, f. 23	Sumner, W.G.	1890
b. 1, f. 23	Townsley, Clarence	1912
b. 1, f. 24	Wetmore, George Peabody.	1898
b. 1, f. 24	Whitney, w. C.	1885
b. 1, f. 25	Vose, J. G.	1898
b. 1, f. 26	Watson, Sereno	1881-1889
b. 1, f. 27	Wright, Charles	1883
Correspondence of Others		
b. 1, f. 28	Bailey, Margaret Emerson (1886-1949) to Mrs. Jacob Whitman Bailey	(1892]
b. 1, f. 29	Barnard, Frederick Augustus Porter to James McCosh	1874
Special Files		
b. 1, f. 30	Botanical notes, Clarence King Survey	1867
b. 1, f. 31	Diary extract re: Yale Psi Upsilon Banquet	1902
b. 1, f. 32	"Short vacations" -a talk English	undated
b. 1, f. 33	Tribute to the late Charles T. Catlin (read at Psi Upsilon meeting)	[1912?]
Correspondence		
b. 8, f. 284	Wright, Susan Forbes (Silliman)	1861-1863
b. 8, f. 285	Wright, Susan Forbes (Silliman)	1864-1875

## JESSE BUEL (1778-1839)

Jesse Buel, a printer and newspaper publisher in New York state, retired in 1821 to a farm near Albany. The elevated and sandy tract of land was unproductive under the prevailing agricultural methods, but by the use of deep tillage, crop rotations, drainage, fertilizers and other new methods he made it one of the best farms in the country. In 1823 he became a member of the state assembly, and somewhat later a judge and regent of the state university. In addition, Bue1 established the journal, "Cultivator," in 1834, and published *The Farmers' Instructor* (10 volumes), and *The Farmers' Companion, or Essays on the Principles and Practice of American Husbandry* in 1839.

Correspondence is arranged alphabetically by the name of the writer of the letter.

## Correspondence

b. 1, f. 34	Armstrong, John (1758-1843)	1822
b. 1, f. 35	Thorburn, Grant (1773-1863)	1828

## CHEMISTRY [Unidentified Author]

## CHEMISTRY [Unidentified Author] (continued)

b. 7, f. 269	Lecture notes on chemistry	1841
b. 7, f. 270	Lecture: "Respiration," delivered at [Holmesburgh, Phil. Co., Pa.]	1840-1841
b. 7, f. 271	[Lecture on gases -probably given in Baltimore? English	undated
b. 7, f. 272	"On Meterology" English	1841
b. 7, f. 273	Lecture Introductory to Course at the University of Maryland [Medical School] re: Apologia for study of chemistry by medical students.	1838
b. 7, f. 274	Lecture fragment entitled "lecture on Carburetted Hydrogen Gas & the Lighting of Cities... Jan. 1837 Before the Athenaeum Society"	1837
b. 7, f. 275	Miscellaneous notes	undated
b. 7, f. 276	[Notes on Chemistry] English	undated
b. 7, f. 277	Introductory Lecture at Fallsington, [Bucks Co., Pa.]	1841 January 14
b. 7, f. 278	[Commencement address - probably given at the Philadelphia School of Pharmacy and Science (see C. of Medicine)] English	1840-1841
b. 7, f. 279	(Lectures on Chemistry) Silliman gave a series of lectures beginning in Sept 1840 to non-science students and for persons not affiliated with Yale. pp. 1-100 English	undated
b. 7, f. 280	[Lectures on Chemistry] pp. 101-200 English	undated
b. 7, f. 281	[Lectures on Chemistry] pp. 201-300 English	undated
b. 7, f. 282	[Lectures on Chemistry] pp. 301-401 English	undated
b. 7, f. 283	[Lectures on Chemistry] pp. 402-447 English	undated
WILLARD NELSON CLUTE (1869-?)		
Correspondence		
b. 1, f. 36	Kilbourne, Mr. re: ferns	1939



## AMOS BEEBE EATON (1806-1877)

Amos Beebe Eaton, soldier and amateur botanist was born in Catskill, NY, son of Amos Eaton (1776-1842), a geologist and agricultural surveyor and natural historian. He graduated from the United States Military Academy in 1826 and pursued a military career, rising to the rank of major general before retirement in 1874.

While in the Army, Eaton established a notable botanical collection of flowers, mosaes and grasses.

The letters in this collection are generally about additions to the plant collection being made in 1857. Some letters make reference to his son, the botanist and Yale professor Daniel Cady Eaton (1834-1895).

The letters are arranged alphabetically by the name of the writer of the letter.

## Correspondence

b. 1, f. 37	Cook, George H. (1818-1889)	1857
b. 1, f. 38	Cooley, Dennis	1857
b. 1, f. 39	Dana, James D. (1813-1895)	1863
b. 1, f. 40	Dewey, Chester (1784-1867)	1857
b. 1, f. 41	Eaton, Daniel Cady (1834-1895)	1862
b. 1, f. 42	James, Thomas Potts (1803-1882)	1857
b. 1, f. 43	Kautz, August V. (1828-1895)	1855
b. 1, f. 44	Lesquereux, Leo (1806-1889)	1857
b. 1, f. 45	Pitcher, Zina (1797-1872)	1857
b. 1, f. 46	Sartwell, Henry Parker (1792-1867),	1857
b. 1, f. 47	Silliman, Benjamin (1779-1864)	1857
b. 1, f. 48	Westerman, B. & Co.	1859

## GEOLOGICAL SOCIETY OF LONDON

18 ALS from members of the Geological Society of London addressed to Sir James Monckton and Sir Archibald Geikie; mainly acceptances for a dinner given in 1907.

b. 3, f. 193	18 letters	1886-1918
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## ASA GRAY (1810-1888)

Asa Gray, botanist and pioneer in the field of plant geography, received an M. D. degree from Fairfield (New York) Medical School in 1831. He studied botany independently and with his friend, John Torrey, professor of natural history at Columbia University. Gray published the *Elements of Botany* in 1836 and the *Botanical Textbook* in 1842. The following year he was appointed professor of natural history at Harvard University where he established the department of botany. Gray was also one of the founders of the National Academy of Sciences and was a regent of the Smithsonian Institution from 1874 to 1888. He wrote many books and articles on botany, including a *Manual of the Botany of the Northern United States*, published in 1848. Gray is perhaps best known as an early champion of the theories of Charles Darwin.

This collection consists entirely of letters written to Asa Gray with the exception of a memoir about Gray written by William Gilson Farlow. The letters are arranged alphabetically by the name of the writer of the letter. Most of the letters pertain to the subject of botany.

b. 1, f. 49	Agassiz, Jean Louis R.	undated
b. 1, f. 50	Bailey, Jacob Whitman	1854
b. 1, f. 51	Baird, Spencer Fullerton	1846
b. 1, f. 52	Barber, Edwin Atlee	1883
b. 1, f. 53	Bentham, George	(1851)?
b. 1, f. 54	Bigelow, Jacob	n.y.
b. 1, f. 55	Boott, Francis	1839
b. 1, f. 55a	B?	1852
b. 1, f. 56	Bruhin, The Rev. Th[omas]? A.	1878
b. 1, f. 57	Burbeck, Anna-L.	1878
b. 1, f. 58	Clarke, F. L.	1886
b. 1, f. 59	Cleaveland, Parker	1844
b. 1, f. 60	Clinton, George William.	1863
b. 1, f. 61	Dana, James Dwight	1839-40, 1864
b. 1, f. 62	Darlington, William	1855
b. 1, f. 62a	Denny, A.	0
b. 1, f. 63	Downing, Andrew Jackson	1858
b. 1, f. 64	Durand, Elie Magloire	0
b. 1, f. 65	Eaton, Daniel Cady	1859-1860, 1866, 1868, 1877
b. 1, f. 66	Engelmann, G. to Mrs. Asa Gray	1855

## ASA GRAY (1810-1888) (continued)

b. 1, f. 67	Fendler, August	1856, 1868, 1879
b. 1, f. 68	Gay, Jacques Etienne	0
b. 1, f. 68a	Gerard	0
b. 1, f. 69	Green, Traill	1863
b. 1, f. 70	Hale, T.J.	1859, 1861
b. 1, f. 71	Harvey, William henry	1851
b. 1, f. 72	Henry, Joseph	1850
b. 1, f. 73	Hooker, Sir Joseph Dalton	0
b. 1, f. 74	James, Thomas Potts	1865
b. 1, f. 75	Lapham, Increase Allen	1844
b. 1, f. 76	Lehmann, Johann G. C.	1839
b. 1, f. 77	Lesquereux, Leo	1855
b. 1, f. 78	Lindley, John	1851
b. 1, f. 78a	McKenzie	0
b. 1, f. 79	Muir, John	1873
b. 1, f. 80	Montagne, Jean Francois Camille	1855
b. 1, f. 81	Mueller, Ferdinand, freiherr von	1866
b. 1, f. 81a	Peabody, Dr. Andrew Preston	0
b. 1, f. 82	Pitcher, Zina	1859
b. 1, f. 83	Porter, Thomas Conrad	1856
b. 1, f. 84	Scott, R. Robinson	1862
b. 1, f. 85	Short, Charles Wilkins	1855
b. 1, f. 85a	Tickner, George	0
b. 1, f. 86	Torrey, John	1856
b. 1, f. 87	Treat, Selah Burr	1866
b. 1, f. 88	United States Department of the Navy, C. Pickering	1843
b. 1, f. 89	Walker, James	1855
b. 1, f. 90	Ward, Nathaniel Bagshaw	1851
b. 1, f. 91	Whitney, William Dwight	1866
b. 1, f. 92	Williams, Samuel Wells	1868

## ASA GRAY (1810-1888) (continued)

b. 1, f. 93	Wright, Charles	1856
b. 1, f. 94	Wyman, Jeffries	1846
b. 1, f. 95	"Memoir of Asa Gray, 1810-1888," by W. G. Farlow English	1889

## JAMES DUNCAN HAGUE (1836-1908)

James Duncan Hague, geologist and mining engineer, was trained at Gottingen University and the Royal School of Mines, Freiburg, Saxony. From 1867 to 1870 he was first assistant geologist on the U.S. Geological Survey, 40th Parallel, under Clarence King. The seven notebooks in this collection record visits to mines in Arizona, Colorado, Idaho, Montana, Nevada, and other western territories, made during the survey, and give details about geological formations and samples, mining techniques, and ore processing methods. Hague wrote Volume III, The Mining Industry, of the Survey report. (His brother, Arnold Hague, was also a member of the Survey team.) Hague was also a consulting engineer to a California mine, 1871-1878, and in 1878, was appointed U.S. Commissioner to the Paris Exposition.

CORRESPONDENCE is arranged alphabetically by the name of the writer of the letter. This is followed by Hague's notebooks which are arranged chronologically.

## Correspondence

b. 2, f. 97	Capron, Horace	1872
b. 2, f. 97	Janin, L(ouis)	1870
b. 2, f. 97	Nichols, Lyman (Jr.)	1870

## Notebooks

b. 2, f. 98	1867 September 3 -1868 February 25	1867 September 3 -1868 February 25
b. 2, f. 98	1868 February 27 -April 27	1868 February 27 -April 27
b. 2, f. 99	1868 May 23 -June 30	1868 May 23 - June 30
b. 2, f. 99	1868 July 31 August 27	1868 July 31 August 27
b. 2, f. 100	1868 September 12 -November 12	1868 September 12 -November 12
b. 2, f. 100	1869 Aug supplementary	
b. 2, f. 101	1869 August -September 25	1869 August - September 25
b. 2, f. 101	1869 October 8 -November 11	1869 October 8 - November 11

## JAMES DUNCAN HAGUE (1836-1908) (continued)

- b. 4, f. 194 AM, "Central and Eastern Nevada," being a draft of chapter VI of *Mining Industry* by J.D. Hague with geological contributions by Clarence King, Washington, D. C., 1870 (vol. 3 of the report of the U.S. geological survey of the 40th paralell containing sections, by Arnold Hague and S. F. Emmons

## METEROLOGY

For additional material on meterology, see the lecture and book manuscripts by an unidentified author in Box 7, folders 269-283. These materials are described under the heading of "Chemistry" in this guide.

## SIMON NEWCOMB (1835-1909)

Simon Newcomb, astronomer and mathematician, was born in Wallace, Nova Scotia on March 12, 1835. His father was an itinerant school teacher of New England and Pennsylvania ancestry; his mother was a village girl descended from a family of New England country preachers. Newcomb left home at eighteen to seek an intellectual occupation, travelling on foot first to St. John, New Brunswick and then to Calais, Maine. He worked his passage to Salem, Massachusetts and drifted to Maryland, where he taught country school for seven years. Finally, he introduced himself to Joseph Henry, first secretary of the Smithsonian Institution, who recommended him to J. E. Hilgard, then in charge of the Coast Survey and began a program of self-education. Through the recommendations of Henry and Hilgard, Newcomb was appointed in 1857 a computer in the Nautical Almanac Office, then located at Harvard University. At Cambridge, Newcomb attended lectures at the Lawrence Scientific School of Harvard University, from which he was graduated in 1858. He was commissioned professor of mathematics in the United States Navy in 1861, and in this service he continued at the Naval Observatory and the Nautical Almanac Office until his retirement in 1897.

This small collection of letters consists primarily of letters from persons scattered throughout the world acknowledging the receipt of articles and books by Newcomb and a few letters of introduction and recommendation. There are, however, interesting letters from Benjamin Gould; Benjamin Peirce, and Herman Schultz and some substantive, scientific letters from William Thomson (later Lord Kelvin), Arthur Anwers and [Winnecke?].

b. 4, f. 216	Acknowledgements for the receipt of works by Newcomb	1875-88
b. 4, f. 217	Adams, Henry	1876
b. 4, f. 217	Adams, John Couch	1876
b. 4, f. 217	Anwers, Arthur	1874
b. 4, f. 218	Barker, George F.	1879
b. 4, f. 218	[Caruthers, G. T.] English	1880
b. 4, f. 219	Engelmann, R.	1877, 1878
b. 4, f. 219	Franklin, F.	1882
b. 4, f. 220	Gould, Benjamin A.	1876
b. 4, f. 220	Gunther, Sigismond	1880
b. 4, f. 221	"Hu" English	1876

## SIMON NEWCOMB (1835-1909) (continued)

b. 4, f. 222	Lyman, Chester Smith	1876
b. 4, f. 223	Peirce, Benjamin	1876
b. 4, f. 224	Schultz, Herman	1876
b. 4, f. 224	[S]ouillart, C. English	1878
b. 4, f. 224	Stru[ver], Otto	1876
b. 4, f. 225	Thomson, William (Lord Kelvin)	
b. 4, f. 226	probably: Friedrich August Theodor Winnecke, (German Astronomer) 1835-1897	1876
b. 4, f. 227	unidentified	1874-81

## DENISON OLMSTED (1791-1859)

Denison Olmsted was born 18 June 1791 on a farm near East Hartford, Connecticut. He graduated from Yale in 1813 and returned to the college in 1815 as a tutor. During the following year he studied theology with Timothy Dwight and subsequently received an M.A. degree from Yale in 1816. In 1817 Olmsted accepted an appointment as professor of chemistry at the University of North Carolina. In preparation for his teaching duties there, he took a year off to study science with Benjamin Silliman, Sr. Olmsted remained in North Carolina, accepting an appointment in 1822 as state geologist and mineralogist, until 1825 when he returned to Yale as professor of mathematics and natural philosophy. After convincing the college to establish a separate chair in mathematics, he became professor of natural philosophy and astronomy in 1836, a position he held until his death. Olmsted wrote a number of widely-used textbooks on astronomy and natural philosophy. His paper on the cosmic origin of meteors, written after the famous meteor shower of 1833, established his reputation as a scientist. He died in New Haven May 13, 1859.

Olmsted's papers include approximately forty pieces of correspondence, several journals, family memoirs, lecture notes and some personal material. The journals, written between 1826 and 1859, constitute a valuable source of information on Olmsted's personal life as well as on his scientific career. His extensive and informative lecture notes on natural philosophy, astronomy and meteorology span a period of fourteen years from 1843 to 1857.

One of Olmsted's Journals ((1824), 1926-1841, from Box 8 Folder 288a) is also available on Film Hm 188.

Note--for additional material on early studies of chemistry and meteorology see the lecture and book manuscripts by an unidentified author in Box 7, folders 269-283. These materials are described under the heading of "Chemistry" in this guide.

## Correspondence

b. 8, f. 286	Appleton D.	1841
b. 8, f. 286	Bacon, Delia Salter	1837
b. 8, f. 286	Baird, Spencer Fullerton	1851
b. 8, f. 286	Bowditch, Nathaniel	1827

## DENISON OLMSTED (1791-1859) &gt; Correspondence (continued)

b. 8, f. 286	Clark, Sheldon	1833
b. 8, f. 286	Cohen, M. M.	1848
b. 8, f. 286	Crampton, Rufus C.	1854
b. 8, f. 286	DeWitt, Simeon	1834
b. 8, f. 286	Edgar, John (to Lucius Olmsted re: death of DO)	1859
b. 8, f. 286	Hall, Frederick	1825
b. 8, f. 286	Halsey, Anthony	1843
b. 8, f. 286	Holcomb, Hiram	1831
b. 8, f. 286	Howe, Hezekiah	1828
b. 8, f. 286	<i>Journal of Commerce</i> English	1838
b. 8, f. 287	Lathrop, John Hiram with appended note by Henry White	1843
b. 8, f. 287	Maury, Mathew Fontaine	1837
b. 8, f. 287	Moore, Clement C.	1835
b. 8, f. 287	Newton, Hubert Anson	1850
b. 8, f. 287	New York Mercantile Library Association	1834, 1836
b. 8, f. 287	Norton, John T.	1831
b. 8, f. 287	Olmsted, Lucius D. (last letter is to Julia M. Olmsted)	1851-57, 1861
b. 8, f. 287	Parker, John A.	1844
b. 8, f. 287	Quick, Charles W., letter of recommendation	1843
b. 8, f. 287	Smith, Hamilton L.	18119, undated
b. 8, f. 287	United States Naval Lyceum	1836
b. 8, f. 287	Vanuxern, Lardner	1836
b. 8, f. 287	Wightman, J. M.	1844, 1846
b. 8, f. 288	Yale College	1826-33, 1840, 1844-45, 1850,
b. 8, f. 288areel 1U	Journal (includes lectures on Chemistry delivered at U. of North Carolina, 1824) [also available on Film HM 188]  This material has been microfilmed. Patrons must use HM 188 instead of the originals.	1824-1841
b. 8, f. 289	Journal	1841-1845
b. 8a, f. 290	Journal	1845-1850

## DENISON OLMSTED (1791-1859) (continued)

b. 9, f. 291	Journal	1856-1859
b. 9, f. 292	Family Memoirs -reminiscences of his wife and sons by Olmsted	1848-1854
b. 9, f. 293	Family Journal: entries by various family members	1834-38, 1841
b. 10, f. 294	Universal Memorandum Book	1843-1854
b. 10, f. 295	Articles on Astronomy for various newspapers	1837, 1842, undated
b. 10, f. 296	Lectures: Notes for lectures in natural philosophy, astronomy and meteorology	1843-1857
b. 10, f. 297	Lectures: Outlines of Lectures on Meteorology	
b. 10, f. 298	Lecture notes taken by Alfred Hough in Olmsted's natural philosophy course	1829-1830
b. 10, f. 299	"Monody on Dr. Olmsted": a discussion of E. E.A. Poe's satirical epigram, occasioned by Olmsted's work on the fall of meteors in 1833, by Thomas O. Mabbott English	1962
b. 10, f. 300	Parting Sentiment at the close of the Astronomical. Lectures	1857
b. 10, f. 301	Report made to the Faculty of Yale College on the Use of Tobacco Among Students	1846
b. 10, f. 302	Valedictory address made to second division of sophomore class	1817
b. 11, f. 303	Scrapbook: Containing account of Meteoric Shower of 1833, etc.	1828-1833
b. 11, f. 304	Scrapbook: Miscellaneous matter	1839-1855
b. 11, f. 305	Accounts with Students (3 vols.)	1827-1836
b. 11, f. 306	Accounts with Students	1849-1859
b. 11, f. 307	Accounts: personal	1844-1859
b. 12, f. 308	Land records, other financial papers and correspondence Includes an 1848 deed signed by Timothy Dwight	1816-1859, undated
b. 12, f. 309	Accounts re: Estate of Denison-Olmsted	1859
b. 12, f. 310	Accounts re: Estate of Denison Olmsted	1860
b. 12, f. 311	Accounts re: Estate of Denison Olmsted	1861
b. 12, f. 312	Accounts re: Estate of Denison Olmsted	1862
b. 12, f. 313	Accounts re: Estate of Denison Olmsted	1870-1875
b. 12, f. 314	Directions for using Olmsted's Stove	1857
b. 12, f. 315	Obituary notices and reminiscence of Olmsted by Benjamin Silliman, Sr.	1859
b. 12, f. 316	AD (copy), last will and testament of Denison Olmsted	1859



## DENISON OLMSTED (1791-1859) (continued)

b. 12, f. 316	AD, account of the estate of Denison Olmsted by his widow, Julia M. Olmsted, executrix. See also: Olmsted's lectures on astronomy before the Senior Class of Yale College, 1838, in Lectures of Nathaniel W. Taylor, taken by S. M. J. Merwin.	1869-1872
b. 12, f. 317	Power of attorney signed by Cornelia Allyn Olmsted and Denison Olmsted	1844
b. 12, f. 318	7 printed items by or about Denison Olmsted	1844-1859
b. 12, f. 318	Lyman, C. S., "Biographical Sketch of Professor Denison Olmsted," <i>Am. Jour. of Science and Arts</i> , Vol, XXVIII, July, 1859, pp. [109] -118, offprint 8vo., unbound, stitched as issued.	
b. 12, f. 318	Olmsted, Denison, Address on the scientific life and labors of William C. Redfield, Cambridge, Alen and Farnham, Printers, 8vo., unbound	1858
b. 12, f. 318	"On the Electrical Hypotheses of the Aurora Borealis" [ <i>Proceedings of the American Association for the Advancement of Science</i> , 1850?] pp. 1-10, offprint 8vo., original wrappers. English	
b. 12, f. 318	"The Plurality of Worlds," <i>The New Englander</i> , November, 1854, pp. 1-34, offprint 8vo., original wrappers. English	
b. 12, f. 318	"Thoughts on the Discovery of Le Verrier's Planet," <i>The New Englander</i> , January, 1847, pp. 1-11, offprint. 8vo., original wrappers. Inscribed on front wrapper: "M. H. Seymour Esq From the Author" English	
b. 12, f. 318	Woolsey, Theodore D. "A discourse, commemorative of the life and services of Denison Olmsted." Published by request from the advance sheets of the <i>New Englander</i> for August 1859. New Haven, Printed by Thomas J. Stafford, 1859. 8vo., original wrappers Professor Olmsted's Principal Publications pp. [31]-32	
b. 12, f. 318	<i>The Yale Literary Magazine</i> , vol. IX, no.9, August, 1844, pp. 385-386 contain Biographical Notice of Professor Olmsted" with an engraved portrait. 8vo., original wrappers	
b. 13	Lectures: Notes for lectures in literature, philosophy (moderation) and oratory, 1833, 1837, 1843, 1849.	1833-1849
b. 14	Manuscript volumes of Denison Olmsted consisting of two journals, 1826 Jan 20 - 1841 Mar 20 and 1850 Nov 9 - 1856 Mar 9, with the earlier journal including "Lectures on Chemistry delivered at the University of North Carolina, 1824 Oct; and The Student's Common-Place Book, 1838.	1826-1856

## SAMUEL HAWLEY OLMSTEAD (1838-1893)

Samuel Hawley Olmstead was born August 9, 1838 in Wilton, Conn. He attended Hopkins Grammar School in New Haven, Conn., of which his father was the Rector.

After graduating from Yale Medical School in 1861, Dr. Olmstead traveled in Europe, visiting the principal hospitals and studying their methods. He returned home at the outbreak of the Civil War and joined the 170th New York Volunteers, being commissioned an assistant surgeon.

This collection consists of a description of the weather conditions and the temperature - recorded three times daily, at 7 AM, 1 PM, and 7 PM - from December 12, 1855 to April 13, 1858.

Note-for additional materials on early studies of meteorology see the lecture and book manuscripts by an unidentified author in Box 7, folders 269-283. These materials are described under the heading of "Chemistry" this guide.

b. 3, f. 192	MS: "Thermometrical and Meteorological Record" (22 leaves)	1855-57
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## ATTALE RICHE (1851-)

b. 4, f. 215	ALB to "Mon Cher Confrere", Lyon, France, 5p. discussing geology	1899 April 26
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## CORPORAL JOHN C. RICKLI

b. 1, f. 96	re: The melting of telegraph wire by lightning	1879
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## SIDNEY I. SMITH

Sidney Irving Smith, biologist, was born in 1843. He received a Ph.B. from Sheffield Scientific School, Yale, in 1867 and an A.M. from Yale in 1887. He was assistant in zoology from 1867 to 1876, when he was appointed professor of comparative anatomy. Smith was interested in both insects and marine zoology. He was in charge of deep water dredging in Lake Superior for the U.S. Lake Survey in 1871, and for the U. S. Coast Survey about St. George's banks in 1872. He was associated with the U. S. Commission of Fish and Fisheries for many years and became a member of the National Academy of Sciences in 1884. Smith died in 1926.

The collection consists almost entirely of letters received by Smith, with a few drafts or copies of his replies. Most of the correspondence discusses biological questions, as Smith corresponded with several notable biologists and naturalists of his day, including: Alexander Agassiz, John Sterling Kingsley, Alpheus Spring Packard, Richard Rathbun and Samuel Hubbard Scudder. Smith also received letters from representatives of the U. S. Commission of Fish and Fisheries, the U. S. Lake Survey, and the Geological (and Natural History) Survey of Canada, who often consulted him about the identification of crustacea and other marine animals.

b. 4, f. 195	Agassiz, Alexander	1880-82, 1885-86
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b. 4, f. 195	Agassiz, [L?]	1863
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b. 4, f. 196	Baird, Spencer F. (U. S. Commission of Fish and Fisheries)	1884-86
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b. 4, f. 197	[Bate, C.?] English	1882
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b. 4, f. 197	Benedict, James E.	1885
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## SIDNEY I. SMITH (continued)

b. 4, f. 198	Campbell, L. [J?]	1886
b. 4, f. 198	Carrington, E.	1850
b. 4, f. 198	Chicago Academy of Sciences	1871
b. 4, f. 199	Cornstock, C. B. (U. S. Lake Survey)	1871-72
b. 4, f. 200	(de Saussure, Dr. Hy?) English	1885
b. 4, f. 200	Forbes, S. A.	1883
b. 4, f. 201	G. H. Merriane Co.	1886
b. 4, f. 201	Gibbes Lewis R.	1870
b. 4, f. 201	(to) President Gilman, Johns Hopkins English	1879
b. 4, f. 201	Guignard, J. A.	1886
b. 4, f. 202	Harger, A. (forwarding letter from Stebbing, Thomas R. R.)	1883
b. 4, f. 202	[Harst, Geo. J.? English	1884
b. 4, f. 202	[Ishokawa, C.? English	1883
b. 4, f. 203	Kingsley, John Sterling	1879-80, 1886; n.y.
b. 4, f. 204	[Nilman, A. M.1? English	1883-85
b. 4, f. 204	(to) Owen, - English	1885
b. 4, f. 205	Packard, Alpheus Spring	1871, 1873-75
b. 4, f. 206	R. Friedllander and Sohn	1885
b. 4, f. 207	Rathbun, Richard	1883, 1885-86, 1888
b. 4, f. 207	Ryder, John A. (copy)	1886
b. 4, f. 208	Scudder, Samuel Hubbard	1860-73, 1864-65, 1876, 1887
b. 4, f. 209	[Silvard, S.? English	1883
b. 4, f. 209	Sloan, John	1880
b. 4, f. 209	Stebbing, William	1871-72

## SIDNEY I. SMITH (continued)

b. 4, f. 210	Underwood, Lucien Marcus	1885
b. 4, f. 210	U. S. Commission of Fish and Fisheries See also: Baird, Spencer F., Rathbun, Richard	1886
b. 4, f. 211	Whiteaves, J. F. (Geological Survey of Canada)	1880-81, 1884-86
b. 4, f. 212	Yale College (letter of appointment)	1875
b. 4, f. 213	Draft letter of recommendation re: Jas. B. Neal	undated
b. 4, f. 214	note	undated
b. 4, f. 214	poem by unidentified author	[1830?]

## JOHN TORREY (1796-1873)

John Torrey, a botanist and chemist, received his M.D. degree from the College of Physicians and Surgeons (Columbia), New York City, in 1818. He was one of the founders, in 1817, of the Lyceum of Natural History, which was the forerunner of the New York Academy of Sciences. From 1824 until 1827, Torrey taught chemistry, mineralogy, and geology at the United States Military Academy at West Point. From 1827 to 1855 he was professor of chemistry and natural history at Columbia University and held, concurrently (1830-1854), the same position at the College of New Jersey (later Princeton). In addition, he was appointed state botanist of New York in 1836 and United States assayer for the state of New York in 1853.

This collection consists entirely of letters written to Torrey and, with the exception of a folder of photo copies of letters from Torrey to the Rev. Lewis D. Schweinitz, all of the letters are addressed to Torrey. Most of the letters are concerned with the subject of botany. Correspondence is arranged alphabetically by name of the author of the letter.

b. 3, f. 102	Aiken, W.E.	1832
b. 3, f. 103	Alvord, Benjamin	1842
b. 3, f. 104	Andrews, T. L.	1857
b. 3, f. 105	Antisell, Thomas	no year
b. 3, f. 106	Arnott, George Arnold Walker	1836
b. 3, f. 107	Baird, Spencer Fullerton	1859?
b. 3, f. 108	Baltzell, Glover F.	1838
b. 3, f. 109	Barratt, Joseph	1838
b. 3, f. 110	Barrows, E. S.	1835
b. 3, f. 111	Bartlett, John R.	1850
b. 3, f. 112	Beardslee, Henry Curtiss'	1842
b. 3, f. 113	Beckwith, E. S.	1855
b. 3, f. 114	Bennett, Alva	1836
b. 3, f. 115	Bigelow, John M.	1850

## JOHN TORREY (1796-1873) (continued)

b. 3, f. 116	Blake, Joseph	1852
b. 3, f. 117	Blake, William Phipps	1855
b. 3, f. 118	Blodgett, John Loomis	1840
b. 3, f. 119	Boott, William	1842
b. 3, f. 120	Boykin, W.	1837
b. 3, f. 121	Brace, J. P.	1824
b. 3, f. 122	William D.Brackenridge	1850
b. 3, f. 123	Browne, Daniel Jay	1859
b. 3, f. 124	Carey, John	undated
b. 3, f. 125	Carpenter, William	1842
b. 3, f. 126	Christy, William	1836
b. 3, f. 127	Clapp, A.	1841
b. 3, f. 128	Comstock, John Lee	1832, 1854
b. 3, f. 129	Cooper, James Graham	1856
b. 3, f. 130	Cooper, William	1826, 1853
b. 3, f. 131	Coultas, Harland	1849
b. 3, f. 132	Decaisne, Joseph	1841
b. 3, f. 133	Dewey, Chester	1841
b. 3, f. 134	Eaton, Hezekiah Hurlbert	1831
b. 3, f. 135	Elliott, Stephen	1824
b. 3, f. 136	Emory, William Hemsley	1848
b. 3, f. 137	Fremont, John Charles and Jessie Benton	'1845
b. 3, f. 138	Gale, Leonard Dunnell	1865
b. 3, f. 139	Gibbes, Lewis Reeves	1850
b. 3, f. 140	Greene, Thomas A.	1827
b. 3, f. 141	Greville, Robert Kaye	1828
b. 3, f. 142	Grinnan, A. G.	1857
b. 3, f. 143	Hadley, James	1846
b. 3, f. 144	Hall, James	1845
b. 3, f. 145	Halsey, Abraham	1836

## JOHN TORREY (1796-1873) (continued)

b. 3, f. 146	Hitchcock, Edward	1836
b. 3, f. 147	Holmes, Andrew F.	1829
b. 3, f. 148	Holton, Isaac F	1852
b. 3, f. 148a	Hooker, William Jackson	1847
b. 3, f. 149	Hunter, C.L.	1850
b. 3, f. 150	Ives, J.C.	1857
b. 3, f. 151	James, Edwin	1853
b. 3, f. 152	LeConte, John	1852
b. 3, f. 153	Lee, Thomas George	1841
b. 3, f. 154	Loudon, John Claudius	1841
b. 3, f. 155	Long, Stephen H.	1819
b. 3, f. 156	Lundgren, I. H.	1852
b. 3, f. 157	McMinn, J. M.	1843
b. 3, f. 158	Menard, Louis	1838
b. 3, f. 159	Miers, John	1856
b. 3, f. 160	Neisler, H. M.	1852
b. 3, f. 161	<a href="#">Newberry, John Strong</a>	1856, 1859
b. 3, f. 162	Nuttall, Thomas	1821
b. 3, f. 163	Oakes, William	1834
b. 3, f. 164	Ulney, Stephen Thayer	1845, 1848
b. 3, f. 165	Paddock, J. R.	1840
b. 3, f. 166	Parry, Charles Christopher	1850
b. 3, f. 167	Percival, Mrs. A. M.	1825
b. 3, f. 168	Perrine, Henry	1833
b. 3, f. 169	Pickering, Charles	1836
b. 3, f. 170	Porcher, Francis P.	undated
b. 3, f. 171	Porter, Jacob	1835
b. 3, f. 172	Prestele, Joseph	1857
b. 3, f. 173	Prince, William Robert	1852
b. 3, f. 174	Prior, Richard Chandler Alexander	1859

## JOHN TORREY (1796-1873) (continued)

b. 3, f. 175	Rafinesque, Constantine S.	1829, 1839
b. 3, f. 176	Schoolcraft, Henry R.	1854
b. 3, f. 177	Schweinitz, Lewis D.	1826, 1832
b. 3, f. 178	Scouler, John; Silliman, Benjamin	1836, 1847
b. 3, f. 179	Spillman, William with introductory notes by Buckley, S. B	1840
b. 3, f. 180	Stansbury, Howard	1851
b. 3, f. 181	Thomas, George H.	1850
b. 3, f. 182	Torrey, John to Rev. Lewis D. Schweinitz (Photostats)	1822-25, 1830-32, 1835
b. 3, f. 183	Treadwell, Oliver Wolcott	1832
b. 3, f. 184	Tully, William	1846
b. 3, f. 185	Vattemare, Alexandre	1846
b. 3, f. 186	Wolle, Jacob	1840
b. 3, f. 187	Whipple, Arniel W.	1855
b. 3, f. 188	Woodhouse, Dr. S. W.	1852
b. 3, f. 189	Wright, John	1844
b. 3, f. 190	Young, Aaron, Jr.	1847
b. 3, f. 191	Zantzing, William S.	1854
b. 3, f. 191a	unidentified	1850

## ARTHUR WILLIAMS WRIGHT (1836-1915)

Arthur Williams Wright, physicist, was born in Lebanon, Connecticut on September 8, 1836. An outstanding student at Yale, especially in Latin and mathematics, Wright was elected to Phi Beta Kappa. After graduating in 1859, he continued his studies at Yale, taking graduate courses in mathematics, mineralogy, botany and modern languages. In 1861, he was among the first three men in the United States to be awarded the degree of Ph. D. Wright was appointed a tutor in Latin in Yale College in 1863 and a tutor in natural philosophy in 1866. In 1864 and again in 1890, he served as a reviser for new editions of *Webster's Dictionary*. For one year, beginning in the fall of 1867, Wright also served as an instructor of physics in Sheffield Scientific School. In 1869 he took some time off from teaching to study science in Heidelberg and Berlin prior to assuming his duties in the fall as professor of physics and chemistry at Williams College. In 1872, he returned to Yale as professor of molecular physics and chemistry. Wright personally supervised the construction of the Sloane Physics Laboratory in 1882-1883, which was built according to his specifications. In 1887, he was appointed professor of experimental physics at Yale and in 1906, he became professor emeritus. Wright also served as a consulting specialist to the United States Signal Service from 1881 to 1886. He traveled to LaJunta, Colorado in 1878 as a member of the United States Naval Observatory team sent to study the total solar eclipse. Wright published a number of scientific articles, including ones on the polarization of the solar corona, on his analyses of the gases present in meteorites and on his experiments

## ARTHUR WILLIAMS WRIGHT (1836-1915) (continued)

with X-rays. In 1875 Wright married Susan Forbes Silliman, daughter of Benjamin Silliman, Jr. He died in New Haven on December 19, 1915.

The Wright papers comprise both professional and family correspondence, articles, scientific materials, Yale College material and assorted memorabilia and biographical and genealogical materials. The letters written from Wright to his wife while he was on scientific expeditions or attending scientific conferences are a valuable source of information on the physicist's activities.

## General correspondence

b. 5, f. 228	A-Z	1881, 1887, 1890, 1892-93, 1895- 97, 1899, 1901- 02, 1904-06, undated
b. 5, f. 229	Ames, J. S.	1903
b. 5, f. 229	Anthony, William A.	1892, 1894
b. 5, f. 229	Brashear, Jno. A.	1890
b. 5, f. 229	Buell, Charles E.	1896
b. 5, f. 229	Burt, James	[1891]1
b. 5, f. 230	Carter, Franklin	1905
b. 5, f. 230	Cox, John	1901
b. 5, f. 230	Ducretet, E.	1901
b. 5, f. 230	Gilman, Daniel Cait	1905
b. 5, f. 230	Gooch, F. A.	1897
b. 5, f. 230	Hart, Joseph H.	1901
b. 5, f. 230	Henry, Mary A.	1892
b. 5, f. 230	Hobson, Richmond Pearson	1901-02
b. 5, f. 230	Holden, Warren	1893
b. 5, f. 230	Hubbard, Oliver Payson	1896
b. 5, f. 231	Jacques, W. w.	1899
b. 5, f. 231	Jones, Frank J.	1906
b. 5, f. 231	Langley, S. P.	1888
b. 5, f. 231	Mayer, Alfred M.	1896-97
b. 5, f. 231	Martin, T. C.	1896
b. 5, f. 231	Mernam (G. and C.) Company	1897
b. 5, f. 231	Metcalf, James	1891



## ARTHUR WILLIAMS WRIGHT (1836-1915) &gt; General correspondence (continued)

b. 5, f. 232	National Academy of Sciences	1881, 1897
b. 5, f. 232	Porter, Noah	1886
b. 5, f. 232	Pratt, J. Howard, Jr.	1887, 1890
b. 5, f. 232	Quincke, Georg	1904
b. 5, f. 232	Rogers, Joseph A.	1901
b. 5, f. 232	Rood, Ogden N.	1896, 1901, undated
b. 5, f. 232	Rowland, Henry A.	1889
b. 5, f. 233	Shearmen, T. S. H.	1890
b. 5, f. 233	Sherman, O. T.	1887-38, 1890, 1893, undated
b. 5, f. 233	Silliman, Benjamin~ Jr.	1874, 1877-78, undated
b. 5, f. 233	Silliman, Benjamin Douglas	1889-90
b. 5, f. 233	Simonds, W. E.	1893
b. 5, f. 233	Sloane, Henry T.	1892
b. 5, f. 233	Stevens, W. LeConte	1894
b. 5, f. 234	Thielfall, J.[?] Richard	1889-90
b. 5, f. 234	Webster, Arthur G.	1899
b. 5, f. 234	Yale University	1858, 1884, 1886, 1896-97, 1901, 1903, 1906, undated
b. 5, f. 234	Unidentified	1887, 1896, 1900
Family Correspondence		
b. 5, f. 235	Bennett, Susan Silliman (Wright)	1887, 1889, 1893- 94, 1897-98, 1909, undated
b. 5, f. 236	Pugsley, Dorothea Silliman (Wright): letters written by Mary B. Tyler Rogers, Eleanor Root (Silliman)	1898, 1901
b. 5, f. system_indicator_8e97324b77cf4088567e9dbc0171f6b5	Silliman, Benjamin, Jr.; Silliman, Benjamin Douglas See: General Correspondence	
b. 5, f. 237	Wright, Arthur Williams	1874-76
b. 5, f. 238	Wright, Arthur Williams	1877-79

## ARTHUR WILLIAMS WRIGHT (1836-1915) &gt; Family Correspondence (continued)

b. 5, f. 239	Wright, Arthur Williams	1880–83, 1886–88, 1891) 1895–97, undated
b. 5, f. 240	Wright Edwin Wright Harriet (Williams)	1881 undated
Articles		
b. 5, f. 241	Professor John A. Porter's Translation of the "Kavevala"	1868
b. 5, f. 241	"On a Peculiar Form of the Discharge Between the Poles of the Electrical Machine" English	1870
b. 5, f. 241	"On the Solar Protuberances"; Abstract of a Note Read by Prof. L. Respighi Before the Academia de' Nuovi Lincei (translated by AWW) English	1871
b. 5, f. 241	"On Certain Forms of the Electrical Discharge in Air" English	1871
b. 5, f. 242	On a Simple Apparatus for the Production of Ozone with Electricity of High Tension"	1872
b. 5, f. 242	"Zollner on the Nature of Comets" English	1872
b. 5, f. 242	"On the Spectrum of the Zodiacal Light" English	1874
b. 5, f. 242	Oxidation of Alcohol and Ether by Ozone"	1874
b. 5, f. 242	"The Zodiacal Light" English	1874
b. 6, f. 243	"Preliminary Note on an Examination of Gases from the Meteorite of February 12, 1875" English	1875
b. 6, f. 243	"Examination of Gases from the Meteorite of February 12, 1875 " English	1875
b. 6, f. 243	"Spectroscopic Examination of Gases from Meteoric Iron" English	1875
b. 6, f. 243	"On the Gases Contained in Meteorites" English	1876
b. 6, f. 243	"The Gases Contained in Meteorites" (second paper) English	1876
b. 6, f. 243	"On a New Process for the Electrical Deposition of Metals, and for Constructing Metal-Covered Glass Specula" English	1877
b. 6, f. 243	"On the Production of Transparent Metallic Films by the Electrical Discharge in Exhausted Tubes" English	1877

## ARTHUR WILLIAMS WRIGHT (1836-1915) &gt; Articles (continued)

b. 6, f. 244	"An Apparatus for the Distillation of Mercury in Vacuo" English	1881
b. 6, f. 244	"On the Gaseous Substances Contained in the Smoky Quartz of Branchville, Conn. " English	1881
b. 6, f. 244	"Polariscopic Observations of Comet, 1881 " English	1881
b. 6, f. 244	"The Polarization of Light from Comet 1881" English	1881
b. 6, f. 245	"Report on Tests of Voltaic Cells of Mr. C. M. Thompson" English	1887
b. 6, f. 245	"Report on Bradley Dynamo" English	
b. 6, f. 246	"Experiments Upon the Cathode Rays and their Effects" English	1896
b. 6, f. 247	"On x-rays Accompanied by experimental notes, and x-ray pictures" English	1896
b. 6, f. 248	"The Induced Alternating Current Discharge Studied with Reference to Its Spectrum and Especially the Ultra-Violet Spectrum!" co-authored by E. S. Downs English	1901
b. 6, f. 248	"Biographical Memoir of Benjamin Silliman 1816-1885" English	1911
Articles by Others		
b. 6, f. 249	George Chrystal: "Electricity"	1879
b. 6, f. 250	Edward C. Pickering: "Applications of Fresnel's Formula for the Reflection of Light"	1873
b. 6, f. 251	Guilford L. Spencer: "Report of Experiments in the Manufacture of Sugar at Magnolia Station, Lawrence, KA"	1887
Biographical and Genealogical Material		
b. 6, f. 252	Memoirs of AWW	1915, 1932
b. 6, f. 253	Newspaper clippings about AWW and family	1864, 1885. 1896-1900, 1906, 1915, undated
b. 6, f. 254	Wright family genealogy	undated
Memorabilia		
b. 6, f. 255	Calling cards, Miscellaneous notes. address book	undated
b. 6, f. 256	Certificates of membership for various organizations	1879, 1884, 1893

## ARTHUR WILLIAMS WRIGHT (1836-1915) &gt; Memorabilia (continued)

b. 6, f. 257	Photographs	undated
b. 6, f. 258	Poems	1863, 1865-66, undated
b. 6, f. 259	Sketches in pen and ink and pencil, unsigned	1870-71, 1878-80, undated
Scientific Material		
b. 6, f. 260	Graphs and diagrams	1899, undated
b. 7, f. 261	Illustrations of the total solar eclipse, July 29	1878
b. 7, f. 262	Memoranda of measurements of quartz plates for United States Government	1887-88
b. 7, f. 263	Miscellaneous notes	1882, 1897-98, 1907, undated
b. 7, f. 264	<i>Transactions of the Astronomical Observatory of Yale University</i> , Vol. I, Part VI	1902
b. 7, f. 265	X-ray pictures and photographs	undated
Yale College		
b. 7, f. 266	Fellowship in physics: eligibility and conditions	undated
b. 7, f. 267	Letter to Class of 1859 written by AWW	1911
b. 7, f. 268	Pamphlets about Class of 1859 and two copies of <i>The Yale Banner</i>	1859, 1861

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## Selected Search Terms

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

### Subjects

Agriculture  
Astronomy  
Biology  
Botany  
Chemistry  
Geology  
Mathematics  
Mines and mineral resources  
Natural history  
Physics  
Science -- Study and teaching  
Zoology

### Corporate Bodies

Geological Society of London  
Yale University -- Faculty

### Genres / Formats

Diaries

### Occupations

Inventors  
Scientists

### Names

Adams, Henry, 1838-1918  
Agassiz, Louis, 1807-1873  
Allen, Oscar Dana, 1836-1913  
Bailey, William Whitman, 1843-1914  
Buel, Jesse, 1778-1839  
Dana, James Dwight, 1813-1895  
Eaton, Amos Beebe, 1806-1877  
Eaton, Daniel Cady, 1834-1895  
Gray, Asa, 1810-1888  
Hague, James D. (James Duncan), 1836-1908  
Newcomb, Simon, 1835-1909  
Olmsted, Denison, 1791-1859  
Riche, Attale, 1851-  
Silliman, Benjamin, 1779-1864  
Silliman, Benjamin, 1816-1885  
Smith, Sidney I. (Sidney Irving), 1843-1926  
Torrey, John, 1796-1873  
Trumbull, Benjamin, 1735-1820  
Wright, Arthur W. (Arthur Williams), 1836-1915