



Smithsonian Institution Archives

Correspondence, 1866-1906, with related records to 1927

Finding aid prepared by Smithsonian Institution Archives

Smithsonian Institution Archives
Washington, D.C.
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Collection Overview

Repository:	Smithsonian Institution Archives, Washington, D.C., osiaref@si.edu
Title:	Correspondence
Identifier:	Record Unit 31
Date:	1866-1906, with related records to 1927
Extent:	65.91 cu. ft. (98 document boxes) (6 12x17 boxes) (1 16x20 box) (88 3x5 boxes) (1 tube box) (oversize material)
Creator::	Smithsonian Institution. Office of the Secretary
Language:	Language of Materials: English

Administrative Information

Preferred Citation

Smithsonian Institution Archives, Record Unit 31, Smithsonian Institution. Office of the Secretary, Correspondence

Historical Note

Even before Joseph Henry's death, the Smithsonian had taken on a double identity. On the one hand it exercised the usual powers associated with a private body. At the same time it acted as a sort of agent to accomplish various objectives for the federal government. This duality of function was elaborately preserved under the administration of Samuel P. Langley, the Smithsonian's third Secretary. During his tenure (1887-1906) the Bureau of American Ethnology, the National Gallery of Art (now the National Museum of American Art), and the National Zoological Park were all added to the Smithsonian's federal side. Langley created the Astrophysical Observatory, using endowment income and private gifts. It, too, began to receive federal funds before he died in 1906. These records illustrate the peculiar but powerful role which the Smithsonian's Secretary played in forming national scientific policy at the turn of the nineteenth century.

Descriptive Entry

These records document the history of the Smithsonian from 1872-1927. Most of the records concern the tenure of Samuel P. Langley, the third Secretary, who served from 1887-1906. There is also some material dating from as early as 1866 to as late as 1927 in the collection. This record unit is the last to be based on a distinction between incoming and outgoing records, for, beginning in 1907, unified filing systems were employed. Users should therefore be careful to consult the Archives' collections in order to have access to parallel outgoing records series. Users should also consult the collections to identify important separate record units for the United States National Museum. The records document both the Institution's history and the personal research interests of Secretary Langley.

In addition to Langley's research, records of particular interest document the creation of the Astrophysical Observatory and the National Zoological Park, as well as the consolidation of the Bureau of American Ethnology within the Smithsonian after the death of John Wesley Powell.

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

Aerodynamics
Astrophysics
Museums -- Administration

Types of Materials:

Architectural drawings
Manuscripts
Photographs

Names:

Freer Gallery of Art
Hodgkins Fund
Karr, William W.
Langley, S. P. (Samuel Pierpont), 1834-1906
National Zoological Park (U.S.)
Smithsonian Astrophysical Observatory
Smithsonian Institution. -- Administration
Smithsonian Institution. Bureau of American Ethnology
Smithsonian Institution. Office of the Secretary

Container Listing

Series 1: General Incoming Correspondence, 1888-1927. Arranged Alphabetically.

This material is the major correspondence series for this record unit. It is likely that parts of it were lost over the years since its creation. Because this series contains much material dealing with Secretary Langley's research, a special effort has been made to identify firms and persons with whom he dealt; and this feature should be of special interest to anyone trying to reconstruct his work. As a sidelight of this attempt, one can observe the difficulties Langley met with in finding suppliers for his mechanical and scientific requirements, and the emergence of a class of firms in America capable of producing equipment suitable for experimental scientific uses. See also series 5.

Box 1

- Box 1 of 192 Folder 1 Aachen Meteorological Observatory - Aaron, Eugene Murray
- Box 1 of 192 Folders 2-7 Abbe, Cleveland, 1891-1898, 1900-1905. Cleveland Abbe was for many years editor of the meteorological publications of the United States Weather Bureau. He had close ties with the Smithsonian and was frequently consulted by its officers.
- Box 1 of 192 Folder 8 Abbe, Cleveland, Jr. - Abbot, A. B.
- Box 1 of 192 Folders 9-22 Abbot, Charles G., 1895-1901. Abbot was recruited from the Massachusetts Institute of Technology in 1895 and remained at the Smithsonian for the whole of his professional life. He began as an aide in the Astrophysical Observatory. As Langley's interests shifted more towards aeronautics, Abbot carried on more and more of the Observatory's work. He became Secretary in 1927.

Box 2

- Box 2 of 192 Folders 1-13 Abbot, Charles G., 1902-1906
- Box 2 of 192 Folder 14 Abbot, Francis R. - Adams Express Company
- Box 2 of 192 Folder 15 Adams, Robert, Jr., 1898-1903. A Regent and congressman from Pennsylvania.
- Box 2 of 192 Folders 16-24 Adams, Washington Irving, 1896-June 1906. Adams joined the Smithsonian in 1896 as Chief Clerk in the Bureau of International Exchanges. He subsequently became Disbursing Agent for the Institution.

Box 3

- Box 3 of 192 Folder 1 Adams, Washington Irving, July-December 1906
- Box 3 of 192 Folder 2 Adamson, L. C. - Addressograph Co.

- Box 3 of 192 Folder 3 Adee, Alvey A., 1893-1906
- Box 3 of 192 Folders 4-17 Adler, Cyrus A., 1890-1906. Cyrus Adler was Librarian and Assistant Secretary of the Smithsonian. He was one of the few men close to Secretary Langley, who consulted him on a variety of subjects.
- Box 3 of 192 Folder 18 Aero Club of America, 1905-1906. Concerning various aeronautical subjects, including correspondence with Charles M. Manly, Langley's sometime aide.
- Box 3 of 192 Folder 19 Aflalo, F. G. - Albany Club
- Box 3 of 192 Folder 20 Albany Institute, 1899-1906
- Box 3 of 192 Folder 21 Alberti, N. - Aldis, W. S.
- Box 3 of 192 Folder 22 Aldrich, John Merton, 1904-1905

Box 4

- Box 4 of 192 Folder 1 Aldrich, P. D. - Amens, John
- Box 4 of 192 Folder 2 American Academy of Arts and Sciences - American antiquities
- Box 4 of 192 Folder 3 American Association for the Advancement of Science, 1888-1903
- Box 4 of 192 Folder 4 American Astronomical and Astrophysical Society - American Circular Loom Co.
- Box 4 of 192 Folder 5 *American Engineer*, 1893-1896
- Box 4 of 192 Folder 6 American Express Co. - American Gas Furnace Co.
- Box 4 of 192 Folders 7-9 American Historical Association, 1892-1906. Concerning the publication and distribution of the *Report of the American Historical Association* and other matters of business.
- Box 4 of 192 Folder 10 American Ice Co. - American Institute of Mining Engineers
- Box 4 of 192 Folder 11 *American Inventor*, 1901-1902
- Box 4 of 192 Folder 12 *American Journal of Pharmacy - American Manufacturer and Iron World*
- Box 4 of 192 Folder 13 American Metrological Society, 1891-1899
- Box 4 of 192 Folder 14 American Morphological Society - American Philological Association
- Box 4 of 192 Folder 15 American Philosophical Society, 1892-1906
- Box 4 of 192 Folder 16 American Publishers Association - American Tool Works Co.

Box 4 of 192 Folder 17 American Watch Tool Co., 1891-1894. Concerns orders for scientific equipment; includes ferrotypes.

Box 4 of 192 Folder 18 Amerman, Anna - Andrews, W. W. Includes photographs.

Box 4 of 192 Folder 19 Angell, James Burrill, 1891-1906. A citizen Regent.

Box 4 of 192 Folder 20 Anguiano, Angel - Anthony and Scovill

Box 5

Box 5 of 192 Folder 1 Anthropological Society of Washington, 1893-1894

Box 5 of 192 Folder 2 Antisell, F. L. - Arriaga, Miguel

Box 5 of 192 Folders 3-4 Art room, Smithsonian Building, 1894-1900

Box 5 of 192 Folder 5 Aschaffhauser, L. - Assheton, William

Box 5 of 192 Folder 6 Associated News Bureau - Astronomical and Astrophysical Society of America

Box 5 of 192 Folder 7 Astrophysical Journal, 1894-1905

Box 5 of 192 Folder 8 Atkins, Albert J. - Austin, Ben W.

Box 5 of 192 Folder 9 Austin, W. W. - Australian Museum

Box 5 of 192 Folder 10 Austria-Hungary, Legation of, 1895-1903

Box 5 of 192 Folder 11 Automobile Review - Avery Chemical Co.

Box 5 of 192 Folders 12-19 Avery, Robert Stanton, estate of, 1896-1906. Avery bequeathed certain property to the Smithsonian, which led to a lengthy dispute before final settlement.

Box 5 of 192 Folder 20 Aveyron Society of Letters, Sciences, and Arts - Azcarati, T. de

Box 6

Box 6 of 192 Folder 1 Baas, Gustave - Bailey, Dr. Jonathan R.

Box 6 of 192 Folder 2 Bailey, S. I. - Baker, D. W.

Box 6 of 192 Folders 3-18 Baker, Frank, May 1890-December 1894. Baker became Manager of the National Zoological Park (NZP) in 1890 and its Director in 1893. This material concerns administration of the park and includes maps of the grounds. See also series 5.

Box 7

Box 7 of 192 Folders 1-20 Baker, Frank, January 1895-February 1899. Includes maps and building plans. See also series 5.

Box 8

Box 8 of 192 Folders 1-17 Baker, Frank, March 1899-December 1900. Includes maps. See also series 5.

Box 9

Box 9 of 192 Folder 1 Baker, Frank, January 1901

Box 9 of 192 Folder 2 Baker, Frank, February 1901. Includes maps. See also series 5.

Box 9 of 192 Folder 3 Baker, Frank, March 1901

Box 9 of 192 Folder 4 Baker, Frank, April 1901

Box 9 of 192 Folder 5 Baker, Frank, May 1901

Box 9 of 192 Folder 6 Baker, Frank, June-September 1901

Box 9 of 192 Folder 7 Baker, Frank, October 1901. Includes maps. See also series 5.

Box 9 of 192 Folder 8 Baker, Frank, November 1901

Box 9 of 192 Folder 9 Baker, Frank, December 1901. Includes maps. See also series 5.

Box 9 of 192 Folder 10 Baker, Frank, January 1902

Box 9 of 192 Folder 11 Baker, Frank, February-March 1902

Box 9 of 192 Folder 12 Baker, Frank, April 1902

Box 9 of 192 Folder 13 Baker, Frank, May 1902. Includes maps. See also series 5.

Box 9 of 192 Folder 14 Baker, Frank, June 1902. Includes maps. See also series 5.
[Image\(s\): Includes Memorandum for the Secretary, June 18, 1902](#)

Box 10

Box 10 of 192 Folders 1-17 Baker, Frank, July 1902-December 1904. Includes maps. See also series 5.

Box 11

Box 11 of 192 Folders 1-11 Baker, Frank, January 1905-December 1906

Box 11 of 192 Folder 12 Baker, J. W. - Baly, Edward C. C.

Box 11 of 192 Folders 13-14 Balzer, Stephen M., November 1898-April 1900.
Correspondence on constructing an engine for the Langley aerodrome.

- Box 11 of 192 Folder 15 Banbury, Charles - Barbarin, F. S.
- Box 11 of 192 Folder 16 Barber, A. W., 1890-1894. Concerning the "Wakulla Volcano" in northwest Florida. See also series 5.
- Box 11 of 192 Folder 17 Barber, J. Walter - Baright, Herbert E.
- Box 11 of 192 Folder 18 Barker, George F., 1892-1904. Correspondence on radium and general scientific topics.
- Box 11 of 192 Folder 19 Barnard, A. E. - Barnwell, Woodward
- Box 11 of 192 Folder 20 Barr, John H. - Bartsch, Paul

Box 12

- Box 12 of 192 Folders 1-5 Barus, Carl, 1892-1905. Correspondence chiefly concerned with the *Smithsonian Physical Tables*.
- Box 12 of 192 Folder 6 Barwick, James A. - Bates, J. M.
- Box 12 of 192 Folder 7 Bates, Lawson, 1893-1899. Concerning a houseboat used in Langley's experiments. Plans for its construction can be found in series 5.
- Box 12 of 192 Folder 8 Bates, L. T. - Baur, G.
- Box 12 of 192 Folder 9 Bausch and Lomb Optical Co., 1893-1904. Concerning equipment for the Astrophysical Observatory.
- Box 12 of 192 Folder 10 Bavarian State Statistical Bureau - Bechtold, W. B.
- Box 12 of 192 Folder 11 Beckwith, Paul - Belknap, C. E. See also series 5.
- Box 12 of 192 Folders 12-13 Bell, Alexander Graham, 1888-1906. Concerning his role as a Regent.
- Box 12 of 192 Folder 14 Bell and Co. - Benedict, A. L.
- Box 12 of 192 Folder 15 Benedict and Burnham Manufacturing Co., 1893-1906
- Box 12 of 192 Folder 16 Benedict, Francis G. - Bentley, H. W.
- Box 12 of 192 Folders 17-18 Bentley, Wilson A., 1902. Article on structure of snow crystals, including photographs.
[Digital Content: Includes Bentley Snowflake 591](#)
[Image\(s\): Includes images from Wilson A. Bentley's "Studies Among the Snow Crystals"](#)
[Image\(s\): Includes Bentley Snowflake 342](#)

Box 13

- Box 13 of 192 Folders 1-2 Bentley, Wilson A., 1904-1905
[Image\(s\): Includes Letter to Secretary Samuel P. Langley, December 26, 1904 - Wilson A. Bentley promising to send his snowflake photographs](#)
[Image\(s\): Includes Letter to Secretary Samuel P. Langley, December 15, 1904 - Wilson A. Bentley offering snowflake photographs to Smithsonian](#)
- Box 13 of 192 Folder 3 Bequerel, Henri - Berryman, B. F.
- Box 13 of 192 Folder 4 Berst, William - Berthelot, M.
- Box 13 of 192 Folder 5 Berthenson, Dr. George, 1892-1903. Correspondence on flight.
- Box 13 of 192 Folder 6 Bertherand - Beyl, Geoffry
- Box 13 of 192 Folder 7 Bickers, Daniel G. - Bickmore, Albert S.
- Box 13 of 192 Folders 8-9 Biddle, James G., 1895-1906. Concerning sale of scientific instruments.
- Box 13 of 192 Folder 10 Bielby, R. - Bigelow, Edward F.
- Box 13 of 192 Folder 11 Bigelow, Frank H., 1890-1900. Concerning the Philosophical Society of Washington.
- Box 13 of 192 Folder 12 Bigelow, John - Biggar, John S.
- Box 13 of 192 Folder 13 Bilgram, Hugo, 1891-1902. Concerning machine work performed for Langley's aeronautical experiments.
- Box 13 of 192 Folder 14 Billia, L. A. - Billings, John Shaw
- Box 13 of 192 Folder 15 Binner-Wells Co., 1903-1904
- Box 13 of 192 Folder 16 Birch, Thomas - Bixby, W. H.
- Box 13 of 192 Folder 17 Black, Alice - Blatchley, W. S.
- Box 13 of 192 Folder 18 Blenner, E. - Blyth, A. Wynter. See also series 5.
- Box 13 of 192 Folder 19 Boardman, Samuel L., 1902-1904. Concerning the ornithological work of George A. Boardman (see also record unit 7071).
- Box 14
- Box 14 of 192 Folder 1 Boas, Franz - Bodfish, Sumner
- Box 14 of 192 Folder 2 Boehmer, George H., 1892-1895
- Box 14 of 192 Folder 3 Boettger, Fred - Bolles, F. G.
- Box 14 of 192 Folders 4-14 Bolton, Henry Carrington, 1891-1903. Correspondence dealing with international chemical bibliography.

- Box 14 of 192 Folder 15 Boltz, O. H. - Bond, W. C.
- Box 14 of 192 Folder 16 Bond and Son, William, 1898-1902
- Box 14 of 192 Folder 17 Bonelli, D. - Boss, Lewis
- Box 14 of 192 Folder 18 Bosscha, J. - Boston Waterworks
- Box 15
- Box 15 of 192 Folder 1 Bostroem, Eric - Bowen, Burt M.
- Box 15 of 192 Folder 2 Bowen, Clarence W., 1904-1905
- Box 15 of 192 Folder 3 Bower, James L. - Boyd, W. S.
- Box 15 of 192 Folder 4 *Boyd's Directory*, 1893-1906
- Box 15 of 192 Folder 5 Boyden, C. F. - Brannon, Levi
- Box 15 of 192 Folders 6-18 Brashear, John Alfred, 1891-May 1900. This correspondence documents the long course of dealing between Secretary Langley and Brashear, who supplied many pieces of scientific apparatus to Langley for his research in physics and aeronautics. Included are drawings and blueprints. See also series 5.
- Box 16
- Box 16 of 192 Folders 1-8 Brashear, John Alfred, June 1900-1906. See also series 5.
- Box 16 of 192 Folder 9 Brasseur, Charles A. - Brazil, Legation of
- Box 16 of 192 Folder 10 Breary, F. M. - Brewster, William
- Box 16 of 192 Folder 11 *Brick* - Britton and Gray
- Box 16 of 192 Folder 12 Broadhead, G. C. - Brouchere, Leon de
- Box 16 of 192 Folder 13 Brown, Addison S. - Brown, Henry H.
- Box 16 of 192 Folder 14 Brown and Sharpe Mfg. Co., 1892-1905
- Box 16 of 192 Folder 15 Brown, J. - Brown, L. J.
- Box 16 of 192 Folder 16 Brown, Stephen C., 1895-1904. Concerning his duties as Registrar of the National Museum.
- Box 16 of 192 Folder 17 Brown, Thomas C. - Bruhns, Marie
- Box 16 of 192 Folder 18 Brune, Gerhard - Bryce, J. H.

Box 16 of 192 Folder 19 Buchanan, A. F. - Buckeye Iron and Brass Works

Box 17

Box 17 of 192 Folder 1 Budapest - Buff and Berger

Box 17 of 192 Folder 2 Buffalo Forge Co., 1902-1905. Concerning equipment ordered for Langley experiments; includes blueprints. See also series 5.

Box 17 of 192 Folder 3 Bugbee, S. W. - Bulard, C.

Box 17 of 192 Folder 4 *Bullinger's Postal and Shipper's Guide* - Bullock's Illustrated Lectures

Box 17 of 192 Folder 5 Bumbaugh, G. L. - Burlingame, E. L.

Box 17 of 192 Folder 6 Burnett, Vivian - Burrows, J. C.

Box 17 of 192 Folder 7 Burt, Edward A. - Butler, M. C.

Box 17 of 192 Folder 8 Butterworth, Benjamin - Bysfield, Frank B.

Box 17 of 192 Folder 9 C. & C. Electric Motor Co. - Cain, John

Box 17 of 192 Folder 10 Calderhead, W. A. - Calverley, William

Box 17 of 192 Folder 11 Cambridge Scientific Instrument Co. - Cambridge University

Box 17 of 192 Folder 12 Cameron, J. Franklin - Campbell and Zell Co.

Box 17 of 192 Folder 13 Canfield, W. P. - Carmo, A. Gomes

Box 17 of 192 Folders 14-18 Carnegie Institution of Washington, 1892-1906. The Secretary of the Smithsonian was a trustee *ex officio* of the Carnegie Institution, founded in 1902 by Andrew Carnegie. There is also some earlier correspondence discussing proposed philanthropic projects.

Box 17 of 192 Folder 19 Carpenter Enamel Rheostat Co., 1893-1895. Discussing equipment for Langley's experiments.

Box 17 of 192 Folder 20 Carpenter, Frank G. - Carson, C. H., Jr.

Box 17 of 192 Folder 21 Carter, Albert - Carton, Emile

Box 18

Box 18 of 192 Folder 1 Cary, Austin - Case, Howard and Co. See also series 5.

Box 18 of 192 Folder 2 Casella, Louis P., 1892-1899. Concerning supply of scientific instruments.

Box 18 of 192 Folder 3 Casper, G. W. - Castell, F. de P.

- Box 18 of 192 Folder 4 Cattell, James McKeen, 1895-1906
- Box 18 of 192 Folder 5 Caulk, William B. - Century Book Co.
- Box 18 of 192 Folder 6 Cerroti, Ottavio - Chant, C. A. See also series 5.
- Box 18 of 192 Folders 7-9 Chanute, Octave O., 1891-1905. Discussing topics related to
manned flight.
- Box 18 of 192 Folder 10 Chapin, C. N. - Chapin, L. N.
- Box 18 of 192 Folders 11-12 Chaplain, J. C., 1894-1896. Discussing design of the Hodgkins
Medal; includes drawings.
- Box 18 of 192 Folder 13 Chapman, C. M. - Chauvigne, Auguste
- Box 18 of 192 Folder 14 Chemical Publishing Co. - Chevigny, Gilbert A.
- Box 18 of 192 Folder 15 Chicago Academy of Sciences - Chicago, University of
- Box 18 of 192 Folder 16 Child, R. C., 1895-1896. Discussing experimental work of the
Astrophysical Observatory.
- Box 18 of 192 Folder 17 Childe, Herbert - Childs, W. S.
- Box 18 of 192 Folder 18 Chilton, W. B. - Chivers, Cedric. See also series 5.
- Box 19
- Box 19 of 192 Folder 1 Christenson, Oscar - Cilley, E. H.
- Box 19 of 192 Folder 2 Claflin Optical Co. - Clark, Alvan & Sons
- Box 19 of 192 Folders 3-6 Clark, Alonzo Howard, 1892-1897, 1901-1906. Concerning his
duties at the Smithsonian, particularly his editorial work.
- Box 19 of 192 Folder 7 Clark, Mrs. Fitzgibbon - Clark, William G.
- Box 19 of 192 Folders 8-9 Clarke, Frank Wigglesworth, 1891-1906. Concerning Clarke's
work as a consultant to the Smithsonian on chemical topics; references to the
work of Edward W. Morley on redetermination of atomic weights.
- Box 19 of 192 Folder 10 Clarke, J. W. - Clems, Arthur W.
- Box 19 of 192 Folder 11 Cleveland, H. - Cloud, Francis H.
- Box 19 of 192 Folder 12 Coan, Titus M. - Cochrane, Charles H.
- Box 19 of 192 Folder 13 Cockburn, S. A. - *Collier's Weekly*
- Box 19 of 192 Folder 14 Collins, A. Frederick - Cologne (Germany), mayor of

- Box 19 of 192 Folders 15-16 Color standards, 1898-1903. Refers to efforts to produce a standard for describing colors in nature, first begun as part of Robert Ridgway's work on birds and then expanded to a more general, and more ambitious, study, based on use of spectroscopic standards. Ridgway, no physicist, gave up his plan upon realizing the form it must take to have Langley's support.
- Box 19 of 192 Folder 17 Colorado Commissioner of Game, Fish, and Forestry - Columbia Phonograph Co.
- Box 20
- Box 20 of 192 Folder 1 Comegys, C. G. - Condie, C. C.
- Box 20 of 192 Folder 2 Cone, John - Conner, D. E.
- Box 20 of 192 Folder 3 Constantinople, Legation of the United States in, 1894-1898
- Box 20 of 192 Folder 4 Contanseau Foreign Express - Cooke, Robert Grier
- Box 20 of 192 Folder 5 Cooley, J. F. - Cooper, J. T.
- Box 20 of 192 Folder 6 Cope, Edward Drinker, 1891-1897. Concerning a manuscript on North American reptiles.
- Box 20 of 192 Folders 7-10 Cope, Edward Drinker, bibliography, 1897-1906. Concerns efforts to compile and publish a bibliography of Cope's work.
- Box 20 of 192 Folder 11 Copeland and Co., M. G. - Copley, Josiah
- Box 20 of 192 Folder 12 Coppee, Henry, 1891-1896. Concerning Coppee's service as a Regent and chairman of the Executive Committee.
- Box 20 of 192 Folder 13 Corazza, Aldo - Corbin Banking Co.
- Box 20 of 192 Folder 14 Corcoran Gallery of Art, 1894-1905
- Box 20 of 192 Folder 15 Cordingly and Co. - Cornell Co-operative Society
- Box 20 of 192 Folder 16 Corning, John Herbert, 1892-1906
- Box 20 of 192 Folder 17 Cornu, Mme Alfred - Cory, Daniel W.
- Box 20 of 192 Folder 18 Correspondence, rules for Smithsonian, 1892
- Box 20 of 192 Folder 19 Corrington, Washington, 1896
- Box 20 of 192 Folder 20 Cosgrove, Thomas - Covell, Henry H.
- Box 20 of 192 Folder 21 Coville, Frederick Vernon, 1897

- Box 20 of 192 Folder 22 Coward - Cox, Sidney R.
- Box 20 of 192 Folder 23 Cox, William V., 1891-1893. Concerning Cox's duties as Chief Clerk.

Box 21

- Box 21 of 192 Folders 1-5 Cox, William V., 1894-1905. Concerning his duties as Chief Clerk.
- Box 21 of 192 Folder 6 Coyle, Henry S. - Crawley, George E.
- Box 21 of 192 Folder 7 Cree, John K. - Creuzbaur, Robert. See also series 5.
- Box 21 of 192 Folder 8 Critchett, J. C. - Crocker-Wheeler Co.
- Box 21 of 192 Folder 9 Croghan, John - Crosscup and West Engraving Co.
- Box 21 of 192 Folder 10 Cullom, Shelby S., 1891-1906. Concerning his service as a senatorial Regent.
- Box 21 of 192 Folder 11 Crova, A. - Culbertson, Thad A.
- Box 21 of 192 Folder 12 Culveyhouse, William - Curtis, George Carroll
- Box 21 of 192 Folder 13 Curtis, George E., 1890-1895. Chiefly dealing with laboratory experiments carried out at the direction of Secretary Langley.
- Box 21 of 192 Folder 14 Curtis, G. M. - Dalbert, Louis
- Box 21 of 192 Folder 15 Dall, William Healey, 1890-1902. Concerning his duties in the National Museum.
- Box 21 of 192 Folder 16 Dallett, Thomas H. and Co. - Daniel, S. S.
- Box 21 of 192 Folder 17 Daniels, Francis B. - Dastre, A.
- Box 21 of 192 Folder 18 Dauber, August, 1895-1896. See also series 5.

Box 22

- Box 22 of 192 Folders 1-2 Daughters of the American Revolution, 1898-1907. The D.A.R. was required by law to make an annual report on its activities, to be transmitted to Congress by the Secretary of the Smithsonian Institution. This material concerns those reports.
- Box 22 of 192 Folder 3 Davanne, H. - Davis, H. H. See also series 5.
- Box 22 of 192 Folder 4 Davis, Herman S. - Day, W. F.
- Box 22 of 192 Folder 5 Dean, A. - Delaunoy, H.

- Box 22 of 192 Folders 6-8 De La Vergne Refrigeration Co., 1897-1905. Concerning refrigeration equipment installed to cool Astrophysical Observatory equipment; includes blueprints. See also series 5.
- Box 22 of 192 Folder 9 Delaware Chemical Co. - Denmark, Embassy of
- Box 22 of 192 Folder 10 Dennett, W. S. - Densmore, L. W.
- Box 22 of 192 Folders 11-18 De Peyster, General John Watts, 1901-1906. Concerning De Peyster's gifts, first, of works from his library and subsequently of other objects.

Box 23

- Box 23 of 192 Folder 1 Deprez, Marcel - Detroit Photographic Co.
- Box 23 of 192 Folder 2 De Vere, M. Schele, 1896-1897
- Box 23 of 192 Folder 3 De Vinne and Co., Theodore, 1896-1898. Concerning publication of the Smithsonian's *Half-Century Book* and other titles; includes drawings. See also series 5.
- Box 23 of 192 Folder 4 De Vore, George W. - De Young, R. R.
- Box 23 of 192 Folder 5 Dibos, M. - Dietrichson, Paul A.
- Box 23 of 192 Folder 6 Diffendale, Joseph E. - Disston and Sons, Henry
- Box 23 of 192 Folder 7 District of Columbia Paper Manufacturing Co. - Dodd, Mead and Co.
- Box 23 of 192 Folder 8 Dodge, Charles Wright - Donaldson, Owen M. See also series 5.
- Box 23 of 192 Folder 9 Donaldson, William W., 1895-1896. Concerning electric storage batteries.
- Box 23 of 192 Folder 10 Donnell, James M. - Dorsey, George A.
- Box 23 of 192 Folder 11 Dorsey, Harry W., 1892-1906
- Box 23 of 192 Folder 12 Dorsey, Nicholas E. - Dorster, John N.
- Box 23 of 192 Folder 13 Douay, Leon, 1891-1894
- Box 23 of 192 Folder 14 Doubleday, Page & Co. - Doyle, James J.
- Box 23 of 192 Folder 15 Drake, A. W. - Dreka, Louis
- Box 23 of 192 Folder 16 Drenford, George - Du Bose, G. M.
- Box 23 of 192 Folder 17 Duche, E. - Dungan, R. M.
- Box 23 of 192 Folder 18 Dunn, B. W. - Dunn, J. E.

Box 23 of 192 Folder 19 Du Perow, M. - Dyrsen and Pfeiffer

Box 23 of 192 Folder 20 Eames, Alvin H. - Eck, Frederick O.

Box 24

Box 24 of 192 Folders 1-5 Eclipse, solar, 1900. Correspondence, I-T, miscellany, government departments. The Astrophysical Observatory (APO) staff, led by Langley himself, traveled to Wadesboro, North Carolina, to observe the solar eclipse of 1900. This material consists mostly of correspondence from volunteer observers, and from some professional astronomers, directed to the APO. Includes photographs (see box 70A). Some files are missing.

Box 24 of 192 Folder 6 Eddy, John R., 1901-1902

Box 24 of 192 Folders 7-8 Eddy, William A., 1891-1901. Concerning meteorology.

Box 24 of 192 Folder 9 Edes, Henry H. - Edison Manufacturing Co.

Box 24 of 192 Folder 10 Edmonds, J. R. - Eimbeck, William

Box 24 of 192 Folder 11 Eimer and Amend, 1894-1906. Concerning APO apparatus.

Box 24 of 192 Folder 12 Eisman, D. C. - *Electric Power*

Box 24 of 192 Folders 13-14 Electric Storage Battery Co., 1893-1906

Box 24 of 192 Folder 15 *The Electrical Age* - Elliott, D. G.

Box 24 of 192 Folder 16 Elliott, Henry Wood, 1891-1903. Concerning Elliott's efforts at fur seal preservation.

Box 24 of 192 Folder 17 Elliott, John - Elliott and Hatch

Box 24 of 192 Folder 18 Ellis, L. B. - Ely, G. S. See also series 5.

Box 24 of 192 Folder 19 Emanuel, Philip A. - Enthoffer, Joseph

Box 25

Box 25 of 192 Folder 1 Epps, Orlo - Erie Foundry Co.

Box 25 of 192 Folder 2 Evans, Walter H. - Ewing, I. A.

Box 25 of 192 Folder 3 Explorations, cost of - Ezzell, M. K.

Box 25 of 192 Folder 4 Faber, M. von - Falkenhagen, J. F.

Box 25 of 192 Folder 5 Faneuil Watch Tool Co., 1893-1901. Concerning precision machine work done for Langley experiments.

Box 25 of 192 Folder 6 Faris, H. P. - Farrow Arms Co.

Box 25 of 192 Folder 7 Fassig, Oliver L. - Fay, William E.

Box 25 of 192 Folder 8 Featherson, G. J. - Felton, C. N.

Box 25 of 192 Folder 9 Felts, Walter W., 1894-1895

Box 25 of 192 Folder 10 Fenton, Joseph T. - Ferguson, W. B.

Box 25 of 192 Folder 11 Fergusson, Sterling Price, 1900. Concerning Langley's aerodrome experiments. See also series 5.

Box 25 of 192 Folder 12 Fermi, Claudio - Fernow, Bernhard E.

Box 25 of 192 Folder 13 Ferraro, D. J., 1902-1906

Box 25 of 192 Folder 14 Ferris, F. O. - Fezzi, Ernesto

Box 25 of 192 Folders 15-16 Fewkes, J. Walter, 1895-1898, 1905. Concerning anthropological research and Bureau of American Ethnology affairs. See also series 5.

Box 26

Box 26 of 192 Folder 1 Fidelity and Casualty Co.- Fieldwick, Robert W.

Box 26 of 192 Folder 2 Fiesse, Charles - Finzi, Giorgio

Box 26 of 192 Folder 3 Fire, Committee to Prevent, 1906

Box 26 of 192 Folder 4 Fireman, Peter - Fitzgerald, Melvin T.

Box 26 of 192 Folder 5 Flanagan, John - Fluckiger, F. A.

Box 26 of 192 Folder 6 Flugel, Felix, 1891-1905. Flugel, a philologist, was for many years the Smithsonian's agent for its publications in Germany.

Box 26 of 192 Folder 7 Fock, A. - Forbes, Louise

Box 26 of 192 Folder 8 Ford, Mrs. A. M. - Ford, W. Hutson

Box 26 of 192 Folder 9 Foreign Express Co. - Forrest, Frank R.

Box 26 of 192 Folder 10 Forsberg and Murray - Forward, Ross

Box 26 of 192 Folder 11 Foster, Charles - Fowke, Gerard

Box 26 of 192 Folder 12 Fowle, F. E., 1895-1906. Concerning Fowle's work as one of Langley's laboratory aides.

- Box 26 of 192 Folder 13 Fowler, A. A. - Fowler, George L. George L. Fowler was an engineer engaged by Langley to help produce a small, light engine for his aerodrome.
- Box 26 of 192 Folder 14 Fox, Edward - Franklin and Co.
- Box 26 of 192 Folder 15 Franklin Institute, 1891-1903
- Box 26 of 192 Folder 16 Franklin Fire Insurance Co. - Fraser, J. E.
- Box 26 of 192 Folder 17 Frasse, Peter A. and Co., 1890-1893. Frasse supplied Langley with technical and scientific equipment for his experiments.
- Box 26 of 192 Folder 18 Frazer, Persifor - Freund, Theodore J.
- Box 27
- Box 27 of 192 Folders 1-3 Friedenwald Company, 1893-1905. Printers, this firm published titles produced by the Smithsonian.
- Box 27 of 192 Folder 4 Friedlander and Sohn, S., 1895-1900
- Box 27 of 192 Folder 5 Friel, L. - Fritz, Louis
- Box 27 of 192 Folder 6 Frodsham and Co. - Fuller, A. W.
- Box 27 of 192 Folder 7 Fuller, Melville Weston, 1891-1906. Fuller was Chief Justice of the United States and thus the Smithsonian's Chancellor. Correspondence deals with various matters of Smithsonian concern.
- Box 27 of 192 Folder 8 Fuller, Rufus - Fulton, Robert
- Box 27 of 192 Folder 9 Funk and Wagnalls Co., 1892-1906
- Box 27 of 192 Folder 10 Fusch, Henry J. - Gabbey, R. L.
- Box 27 of 192 Folders 11-14 Gaertner and Co., William, 1898-1905. This firm produced instruments for Langley's experiments, particularly those related to flight. The correspondence discusses meeting Langley's requirements for the equipment.
- Box 27 of 192 Folder 15 Gage, Simon H. - Gantz, J. S.
- Box 27 of 192 Folder 16 Garcia-Diego, Salvador - Garvin Machine Co.
- Box 27 of 192 Folder 17 Gas Engine and Power Co., 1893-1903
- Box 27 of 192 Folder 18 Gas Industries Co. - Gaspar, J.
- Box 27 of 192 Folders 19-22 Gatchel and Manning, 1902-March 1905. This Philadelphia firm produced illustrations for many SI publications.

Box 28

- Box 28 of 192 Folders 1-3 Gatchel and Manning, April 1905-1906
- Box 28 of 192 Folder 4 Gates, Elmer, 1894-1904. Concerning his claimed affiliation with the Smithsonian.
- Box 28 of 192 Folder 5 Gathmann, Emil - Gedney and Roberts
- Box 28 of 192 Folder 6 General Electric Co., 1892-1904. Regarding equipment sold to the Smithsonian for various purposes.
- Box 28 of 192 Folder 7 General Order - Genth, F. A., Jr.
- Box 28 of 192 Folder 8 Gaining, E. - Germany, Embassy of
- Box 28 of 192 Folder 9 Gholson, J. G. - Gibbs, Wolcott
- Box 28 of 192 Folder 10 Gibon, Theodore - Gibson Brothers
- Box 28 of 192 Folder 11 Gibson, E. H. - Gildersleeve, L. J.
- Box 28 of 192 Folder 12 Gill, Augustus H. - Ginn and Co.
- Box 28 of 192 Folder 13 Gippenrich, A. - Glazebrook, R. T.
- Box 28 of 192 Folder 14 Gleason, P. T. - Godwin, W. M.
- Box 28 of 192 Folder 15 Goeller, C. L., 1891-1893
- Box 28 of 192 Folder 16 Goettel, Augustus, 1890-1916. Concerning an anonymous gift to the United States.
- Box 28 of 192 Folder 17 Goetz, Elmer H. - Gooch, J. B.

Box 29

- Box 29 of 192 Folders 1-13 Goode, George Brown, 1888-1896. Goode was a member of the Smithsonian Staff from 1872 to his death in 1896, rising to become Assistant Secretary in charge of the United States National Museum (from 1887). These records document a small, routine aspect of his career.
- Box 29 of 192 Folder 14 Goode, George Brown. Correspondence on his *History of American Science*, 1906
- Box 29 of 192 Folder 15 Goode, J. Paul - Goodwin, [N.?] M.
- Box 29 of 192 Folder 16 Goodyear, William H., 1895-1905

Box 30

- Box 30 of 192 Folder 1 Goodykoontz, J. - Gordon, Reginald

- Box 30 of 192 Folder 2 Gore, James H., 1891-1903. Concerning meteorological topics.
- Box 30 of 192 Folder 3 Gorham, W. C. - Grahlke, A. C.
- Box 30 of 192 Folder 4 Grand Army of the Republic, 1891-1906
- Box 30 of 192 Folder 5 Grand Rapids & Indiana Railway Co. - Gray, E. N.
- Box 30 of 192 Folder 6 Gray, George, 1894-1906. A Smithsonian Regent and a judge of the Third Circuit U. S. Court of Appeals.
- Box 30 of 192 Folder 7 Gray, George W. - Gray, R. E.
- Box 30 of 192 Folders 8-10 Gray, Thomas, 1893-1906. Gray compiled several editions of the Smithsonian's *Physical Tables*.
- Box 30 of 192 Folder 11 *Great Divide*, 1892-1894
- Box 30 of 192 Folder 12 Greatorex, Dan - Greely, A. W.
- Box 30 of 192 Folder 13 Green, Bernard Richardson, 1899-1900. Superintendent of Buildings and Grounds for the Library of Congress, Green carried out several engineering projects for the Smithsonian during this period.
- Box 30 of 192 Folder 14 Green, B. W. - Green, Elmer
- Box 30 of 192 Folder 15 Green, Henry J., 1891-1905. A scientific instrument maker who supplied numerous items for Langley's experiments.
- Box 30 of 192 Folder 16 Green, J. E. - Greer, John H.
- Box 30 of 192 Folder 17 Gregory, James - Grimshaw, Robert
- Box 30 of 192 Folders 18-19 Grosvenor, Gilbert Hovey, 1901, 1903-1906. Grosvenor edited *National Geographic* and long had close ties with the Smithsonian.
- Box 30 of 192 Folder 20 Grosvenor, Sarah A. - Grover, E. W.
- Box 30 of 192 Folders 21-22 Grunow, William, 1891-1902. Concerning orders for scientific instruments.
- Box 30 of 192 Folder 23 Guatemala, Legation of - Gump, A. W.
- Box 30 of 192 Folder 24 Gunderson, Carl - Gurley, Randolph Revere
- Box 31
- Box 31 of 192 Folder 1 Gurley, W. and L. E., 1893-1900. Scientific instrument makers.
- Box 31 of 192 Folder 2 Gurnell, L. G. - Gurren, E. J.

- Box 31 of 192 Folder 3 Gutekunst, F. and Co., 1891-1902
- Box 31 of 192 Folder 4 Gutermann, E. - Gutzmer, A.
- Box 31 of 192 Folder 5 Haas Brothers - Hack, N. Frank
- Box 31 of 192 Folder 6 Hackett, Frank W., Andrews Estate, 1899-1900. Frank W. Hackett was the Smithsonian's attorney in a number of cases which arose during this period. While the Regents who had legal backgrounds gave their advice on issues rather freely, it was Hackett who carried out the detailed work to be done.
- Box 31 of 192 Folders 7-12 Hackett, Frank W., Avery Estate, 1894-1900
- Box 31 of 192 Folder 13 Hackett, Frank W., Glover Coin Collection, 1897
- Box 31 of 192 Folders 14-16 Kackett, Frank W., Hodgkins Estate, 1895-1900
- Box 31 of 192 Folder 17 Hackett, Frank W., Miscellaneous legal topics, 1897-1902
- Box 31 of 192 Folder 18 Haddon, A. C. - Haines, H. G.
- Box 31 of 192 Folder 19 Halbert, H. D. - Hale, Eugene
- Box 31 of 192 Folders 20-23 Hale, George Ellery, 1891-1901, 1904-1906. Hale was an eminent astronomer and directed the Yerkes Observatory. He and Langley were professional colleagues and allies.

Box 32

- Box 32 of 192 Folder 1 Hale, George Ellery, 1899-1904. Concerning the National Academy of Sciences Committee on Solar Research.
- Box 32 of 192 Folder 2 Hale, George Ellery. Solar eclipse of 1900, 1899-1900
- Box 32 of 192 Folder 3 Hale, George Ellery. Yerkes Observatory, 1901-1903
- Box 32 of 192 Folder 4 Hale, George W. - Hallock, Charles
- Box 32 of 192 Folder 5 Hallock, William, 1891-1902
- Box 32 of 192 Folder 6 Halm, J. - Hamilton, Frank
- Box 32 of 192 Folders 7-8 Hamilton Lectures, 1898-1905. Supported by a bequest from William Hamilton, the Hamilton Lectures were to be given from time to time on scientific or practical topics. These records deal chiefly with Andrew D. White's 1905 address on the reform of the American diplomatic service.
- Box 32 of 192 Folder 9 Hamilton and Colbert - Hammer, D.
- Box 32 of 192 Folders 10-11 Hammer, William Joseph, 1893-1905. An electrical engineer, Hammer ultimately presented his collection of apparatus to the Smithsonian.

- Box 32 of 192 Folder 12 Hammill, S. Scott - Hardess, H. J.
- Box 32 of 192 Folder 13 Hardie, Robert Gordon, 1893-1894
- Box 32 of 192 Folder 14 Harding, C. E. - Harper, R. H.
- Box 32 of 192 Folder 15 Harrington, B. R. - Harrover, W. H.
- Box 32 of 192 Folder 16 Hart, Charles Henry - Hartley, Harold B.
- Box 32 of 192 Folder 17 Hartman and Cadick, 1897-1898
- Box 32 of 192 Folder 18 Hartmann, Carl, 1893-1904
- Box 32 of 192 Folder 19 Harvard College Observatory, 1894-1903. Concerning topics of mutual interest.
- Box 32 of 192 Folder 20 Harvey, A. H. - Hastings, Oregon C.
- Box 32 of 192 Folder 21 Hatch, J. E. - Hawkins, S. W.
- Box 32 of 192 Folder 22 Hawley, Edwin H., 1891-1902
- Box 33
- Box 33 of 192 Folder 1 Hawley, J. R. - Hawley, L. A.
- Box 33 of 192 Folder 2 Hay, Oliver Perry, 1896-1899
- Box 33 of 192 Folder 3 Hay, W. P. - Hayhurst, William P.
- Box 33 of 192 Folder 4 Haymaker, Edward A. - Hagen, S. N.
- Box 33 of 192 Folder 5 Hazen, Henry Allen, 1892-1898. Discussing studies of wind velocity.
- Box 33 of 192 Folder 6 Hazzell, Maria - Hele-Shaw, H. S.
- Box 33 of 192 Folder 7 Heliotype Printing Co., 1899-1905
- Box 33 of 192 Folder 8 Helm, V. I. - Hemingway, C. B.
- Box 33 of 192 Folder 9 Hemiup, Maria Remington, 1886, 1894
- Box 33 of 192 Folder 10 Hemphill, John J. - Henderson, James E.
- Box 33 of 192 Folder 11-14 Henderson, John Brooks, 1891-1906. A long-time Regent and member of the Executive Committee, Henderson was closely involved in the Institution's operations and used his legal and political talents in its behalf.
- Box 33 of 192 Folder 15 Henderson, J. W. - Henderson, Thomas P.

- Box 33 of 192 Folder 16 Hendey, H. J. - Henri, P.
- Box 33 of 192 Folders 17-18 Henry, Mary A. and Caroline, 1891-1902. Concerning efforts to publish the papers of Joseph Henry, the Institution's first Secretary.
- Box 33 of 192 Folder 19 Henry, R. L. - Herbertson, A. J.
- Box 33 of 192 Folder 20 Herder, B. - Herrick, S. S.
- Box 34
- Box 34 of 192 Folder 1 Herring, A. W., 1895-1902. Referring to Herring's efforts to construct an engine to drive the Langley aerodrome.
- Box 34 of 192 Folder 2 Herring, Mrs. S. H. - Hersperger, W. K.
- Box 34 of 192 Folder 3 Herve, Henri, 1891-1897. Herve edited *Revue de L'Aeronautique* and corresponded with Langley on that topic.
- Box 34 of 192 Folder 4 Hesdorffer, Max - Hickock Manufacturing Co.
- Box 34 of 192 Folder 5 Hiersemann, Karl W., 1893-1901
- Box 34 of 192 Folder 6 Higdem, J. S. - Hight, R. F.
- Box 34 of 192 Folder 7 Hildebrandt, Lieutenant [?], 1896-1899. Discussing aeronautical topics.
- Box 34 of 192 Folder 8 Hildebrandt, Mary M. - Hiles, E. K.
- Box 34 of 192 Folders 9-10 Hilger, Adam, 1892-1903. An English maker of scientific instruments.
- Box 34 of 192 Folders 11-12 Hill, Clarke & Co., 1891-1901
- Box 34 of 192 Folder 13 Hill, Francis J., 1892-1896. Concerning orders for scientific instruments.
- Box 34 of 192 Folder 14 Hill, H. A. - Hillman, C. D.
- Box 34 of 192 Folder 15 Himrod, W. G. - Hitchcock, Romyn
- Box 34 of 192 Folder 16 Hitt, Robert R., 1893-1906. A Regent.
- Box 34 of 192 Folder 17 Hoar, George F. - Hobbs, Virgil M.
- Box 34 of 192 Folder 18 Hobbs, William H., 1892-1906
- Box 34 of 192 Folder 19 Hobbs, William P. - Hockaday, E. J.
- Box 34 of 192 Folders 20-22 Hodge, Frederick Webb, 1897-1905. Concerning the work of the Bureau of American Ethnology.

- Box 34 of 192 Folder 23 Hodges, Herbert A. - Hodgson, Richard
- Box 34 of 192 Folder 24 Hoen, A. & Co., 1896-1903
- Box 34 of 192 Folder 25 Hofer, Elwood, 1896-1898. Concerning attempts to get buffalo for the NZP.
- Box 34 of 192 Folder 26 Hoffler, Friderich - Holdaway, J. Alma
- Box 34 of 192 Folder 27 Holden, Edward Singleton, 1889-1890. Holden was on the staff of the Lick Observatory during this period and collaborated with Langley on a number of projects in astrophysics and photographic astronomy. Holden took a number of lunar photographs for Langley, circa 1890-1893, which can be found in box 104.

Box 35

- Box 35 of 192 Folders 1-5 Holden, Edward Singleton, 1891, 1893-1902
- Box 35 of 192 Folder 6 Holder, Charles Frederick - Holmes, W. E.
- Box 35 of 192 Folders 7-12 Holmes, William Henry, 1894-1903. Concerning mostly Holmes's work in the Bureau of American Ethnology.
- Box 35 of 192 Folder 13 Holmfeld, H. De D. - Hoole Machine and Engraving Works
- Box 35 of 192 Folder 14 Hoon, Cheng Yen, 1894-1900. Concerning gifts of ancient Chinese bronzes.
- Box 35 of 192 Folder 15 Hooper, H. E. - Hopkins, Griffith M.
- Box 35 of 192 Folder 16 Hopkins, N. Monroe, 1901-1902. Dealing with efforts to publish Joseph Henry's laboratory notebooks. The demands of his daughter, Mary Henry (*q.v.*), frustrated the project.
- Box 35 of 192 Folder 17 Hopkins, Thomas L. - Hornaday, William T.
- Box 35 of 192 Folders 18-20 Hornblower and Marshall, 1895-1905. These Washington architects carried out numerous commissions for the Smithsonian in this period, mostly at the National Zoological Park.
- Box 35 of 192 Folder 21 Hornbostle, Charles - Hotchkiss Ordnance Co.

Box 36

- Box 36 of 192 Folder 1 Hough, Walter - Housiaux, John
- Box 36 of 192 Folder 2 Howard, A. F. - Howard, George
- Box 36 of 192 Folder 3 Howard, Leland Ossian, 1895-1906

- Box 36 of 192 Folder 4 Howard Library - Howard Watch and Clock Co.
- Box 36 of 192 Folder 5 Howat, Alexander - Howe, Henry M.
- Box 36 of 192 Folder 6 Howe, James Lewis, 1897-1905. Concerning the American Association for the Advancement of Science's Committee on Indexing Chemical Literature.
- Box 36 of 192 Folder 7 Howell, D. J. - Hoyt, John W.
- Box 36 of 192 Folder 8 Hubbard, A. G. - Hubbard, D. W.
- Box 36 of 192 Folders 9-10 Hubbard, Gardiner Greene, 1890-1898. Citizen member of the Regents.
- Box 36 of 192 Folder 11 Hubbard Publishing Co. - Huey, Henry C.
- Box 36 of 192 Folders 12-13 Huffaker, E. C., 1892-1903. Huffaker was an engineer whom Langley employed on aspects of his research on flight, to which topic these records are devoted.
- Box 36 of 192 Folder 14 Huffmon, James R. G. - Hugunin, H. M.
- Box 36 of 192 Folder 15 Hukill, W. V. - Humphrey, O. W.
- Box 36 of 192 Folder 16 Hungerford, T. Russell - Hurst, S. H.
- Box 36 of 192 Folder 17 Hutchins, C. C., 1891-1894. Concerning astronomical topics.
- Box 36 of 192 Folder 18 Hutchinson & Harbin - Hyslop, J. H.
- Box 36 of 192 Folder 19 Ibarra, A. M. - Industrial Investment & Development Co.
- Box 36 of 192 Folder 20 Ingalls, W. C., Jr. - Inskip, D. E.
- Box 36 of 192 Folder 21 Instrument makers, circular letter to, 1890-1891

Box 37

- Box 37 of 192 Folder 1 International Exchanges, 1902-1906
- Box 37 of 192 Folder 2 International Express - *International Yearbook [of Education?]*
- Box 37 of 192 Folder 3 *The Inventive Age*, 1891-1902
- Box 37 of 192 Folder 4 Iowa Geological Survey - Irwin, T. J.
- Box 37 of 192 Folder 5 Isaacs, I. E. - Ivins Tube Co.
- Box 37 of 192 Folder 6 Jackson, A. V. Williams - Jackson, E. E.
- Box 37 of 192 Folder 7 Jackson, Homer W. - Jacob, G.

- Box 37 of 192 Folder 8 Jaffa, Meir - Janney, Nathaniel E.
- Box 37 of 192 Folder 9 Janney and Steinmetz, 1893-1903. Metal fabricators and suppliers, the firm provided material for Langley's experiments.
- Box 37 of 192 Folder 10 Janney, Reynold - Jeffords and Co.
- Box 37 of 192 Folder 11 Jenison, E. S. - Johns, C. R.
- Box 37 of 192 Folder 12 Johns Hopkins University, 1892-1905
- Box 37 of 192 Folder 13 Johnson, Andrew - Johnson, S.
- Box 37 of 192 Folders 14-15 Johnson Temperature Regulating Co., 1895-1904. Concerning cooling equipment in use in the Astrophysical Observatory.
- Box 37 of 192 Folder 16 Johnson, Thomas L. - Johnston, William
- Box 37 of 192 Folders 17-18 Johnston, William G. and Co., 1891-1905
- Box 37 of 192 Folder 19 Johnston, William Preston, 1896-1900. A citizen Regent.
- Box 37 of 192 Folder 20 Jolley, C. V. - Jones, Herbert C.
- Box 37 of 192 Folder 21 Jones, Joshua - Jonesco, George
- Box 37 of 192 Folder 22 Jordan, David Starr, 1897-1906. Of special interest are several letters from Jordan to S. P. Langley criticizing Henry Wood Elliott's views on the fur seal controversy.
- Box 37 of 192 Folder 23 Jordan, Louis F. - Joyce, John A.
- Box 37 of 192 Folders 24-25 Judd and Detweiler, 1891-1906
- Box 38
- Box 38 of 192 Folder 1 Judge, Margaret A. - Karoly, Charles S.
- Box 38 of 192 Folders 2-10 Karr, William W., 1891-1900, 1902-1906. Karr was employed by the Smithsonian in a variety of posts. He became the Institution's Disbursing Agent but was, in 1905, found to have embezzled some \$60,000 of the Smithsonian's endowment, as well as about \$7,000 in federal appropriations. These records deal mostly with the aftermath of discovery and efforts to recover a part of the money from property Karr had owned in Memphis, Tennessee.
- Box 38 of 192 Folder 11 Kasan Society of Physics and Mathematics - Keech, William
- Box 38 of 192 Folder 12 Keeler, James Edward, 1891-1898. Director of the Allegheny Observatory.

Box 38 of 192 Folder 13 Keen, W. W. - Keeser, J. T.
Box 38 of 192 Folder 14 Keffer, C. E. - Kempton, Dwight
Box 38 of 192 Folder 15 Kenaga, D. H. - Kentucky State Historical Society
Box 38 of 192 Folder 16 Kernodle, G. W. - Ketchum, O. W.
Box 38 of 192 Folder 17 Ketterlinus Printing House, 1892-1896
Box 38 of 192 Folder 18 Keuffel and Esser Co., 1890-1903
Box 38 of 192 Folder 19 Keune, F. W., Jr. - Key West (Florida) City Commissioners
Box 38 of 192 Folder 20 Kibbe, Henry - Kimyoun, Joseph J.
Box 38 of 192 Folder 21 Kinealy, M. - King, F. H.
Box 38 of 192 Folder 22 King, Henry B., 1889-1897
Box 38 of 192 Folder 23 King, H. F. - King, W. C.
Box 38 of 192 Folder 24 Kinsely, A. L. - Kirkwood, Samuel J.
Box 38 of 192 Folder 25 Kislingbury, George - Kitson, Arthur
Box 38 of 192 Folder 26 Klefler, J. A. - Knickerbocker, Millis

Box 39

Box 39 of 192 Folders 1-31 Knickerbocker Press, 1891-1906. The Knickerbocker Press published a number of titles for the Smithsonian during the period covered by these records. This material deals with the details of publication and is largely arranged alphabetically by title.
Box 39 of 192 Folder 32 Knight, Charles - Knudsen, Augustus
Box 39 of 192 Folder 33 Koch, Konrad - Koons, B. F.

Box 40

Box 40 of 192 Folder 1 Kors, M. F. - Krusbe, Charles
Box 40 of 192 Folder 2 Kunz, George Frederick, 1892-1905. Kunz was employed by Tiffany for many years and was an expert mineralogist.
Box 40 of 192 Folder 3 Kurbatzky, O. - Kynett, J. R.
Box 40 of 192 Folder 4 Laar, J. J. - Lake, Helen M.
Box 40 of 192 Folder 5 Lamb, B. F. - Lampton, James J.

- Box 40 of 192 Folders 6-8 Lancaster, I., 1890-1891, 1894-1903, 1905-1907
- Box 40 of 192 Folder 9 Lanchester, F. W. - Lane, George W.
- Box 40 of 192 Folder 10 Lane, Sylvanus, 1891-1901
- Box 40 of 192 Folder 11 Lane, W. W., 1897
- Box 40 of 192 Folder 12 Lary, A., 1898-1899. Concerning American aboriginal mythology
and philology.
- Box 40 of 192 Folder 13 Langbehn, W. F. - Lange Publishing Co.
- Box 40 of 192 Folder 14 Langley, John W., 1891-1898
- Box 40 of 192 Folders 15-22 Langley, Samuel P., 1891-1901. Langley, the Institution's
third Secretary, was an astrophysicist and a pioneer student of aeronautics.
Unfortunately, most of Langley's personal papers were destroyed in a fire
shortly after his death. Thus, his official papers take on added importance,
although they are not as detailed as could be wished. However, researchers
should note that there are numerous references to records of suppliers of
scientific equipment, colleagues, and employees throughout this record unit
which may repay careful reading. For this purpose a knowledge of names of
correspondents will be useful. These records of Langley's are arranged in
part chronologically and in part by subject matter or by correspondent.

Box 41

- Box 41 of 192 Folders 1-3 Langley, Samuel P., 1902-1906
- Box 41 of 192 Folders 4-7 Langley, Samuel P. European trip, May-August 1895. Includes
photographs.
- Box 41 of 192 Folders 8-9 Langley, Samuel P. European trip, May-October 1900
- Box 41 of 192 Folders 10-14 Langley, Samuel P. Correspondence with Assistant in Charge
of Office, 1898-1905
- Box 41 of 192 Folder 15 Langley, Samuel P. Drafts of letters, 1895-1898

Box 42

- Box 42 of 192 Folders 1-2 Langley, Samuel P., drafts of letters, 1899-1902
- Box 42 of 192 Folder 3 Langley, Samuel P. Obituaries, 1906
- Box 42 of 192 Folder 4 Langley, Samuel P. Condolences, 1906-1907
- Box 42 of 192 Folder 5 Langley, Samuel P. Gift of Langley's instruments, medals, etc., to
the Smithsonian, 1906-1907
- Box 42 of 192 Folder 6 Langley, Samuel P. Correspondence, illegible signatures

- Box 42 of 192 Folder 7 Languirand, Royal - Larrabure, J. V.
- Box 42 of 192 Folder 8 Larsen, Alexander, lightning discharge studies, 1904-1927
- Box 42 of 192 Folder 9 Larsen, Alexander. Photographs, 1927
- Box 42 of 192 Folder 10 Lasher, George F. - Lay, William
- Box 42 of 192 Folder 11 Lea, Harry - Le Baron, J. Francis
- Box 42 of 192 Folder 12 Lebon, Ernest, 1898-1903
- Box 42 of 192 Folder 13 LeConte, Joseph - Legsworth, A. E.
- Box 42 of 192 Folder 14 Leidy, Joseph, 1904
- Box 42 of 192 Folder 15 Leishear, W. B. - Lemcke and Buechner
- Box 42 of 192 Folders 16-17 Le Mesurier, E. A., 1891-1901. Le Mesurier was the British Consul at Genoa, Italy, where James Smithson died and was buried. He performed many services for the Smithsonian until the removal of the Smithson remains to the United States in 1904.
- Box 42 of 192 Folder 18 Lemmon, V. - Leng and Co., John S.
- Box 42 of 192 Folders 19-20 Lengsfeld, Julius, 1891-1892, 1895-1905
- Box 43
- Box 43 of 192 Folder 1 Lenihan, John, 1895-1896
- Box 43 of 192 Folder 2 Lenoir and Forster - Leonard Scott Publications Co.
- Box 43 of 192 Folder 3 Le Pierre, Auguste - Leupp, Francis E.
- Box 43 of 192 Folder 4 Leverkus, P. - Lewis, George
- Box 43 of 192 Folder 5 Lewis, Lieutenant J. N., 1899-1901. Lt. Lewis was clerk of the War Department's Board of Ordnance and Fortification during the period when it granted Langley funds to pursue his aircraft experiments.
- Box 43 of 192 Folder 6 Lewis, W. W. - Leyst, Ernst
- Box 43 of 192 Folders 7-10 Libbey, Professor William, Jr., 1891-1894
- Box 43 of 192 Folders 11-13 Library Bureau, 1892-1906
- Box 43 of 192 Folder 14 Lick Observatory, 1897-1906. Correspondence on astronomical subjects, mostly with Director W. W. Campbell.
- Box 43 of 192 Folder 15 Liebisch, Bernhard - Linke, R. A.

- Box 43 of 192 Folder 16 Linsener, Heinrich - Liston, William James
- Box 43 of 192 Folder 17 Lipinski, C. - Livingstone, F. S.
- Box 43 of 192 Folder 18 Lloyd, Andrew J. - Lloyd and Paxton
- Box 43 of 192 Folder 19 Locke, Sylvanus D. - Lockyer, N.
- Box 43 of 192 Folder 20 Lodge, George Cabot - Lomax, Harrison
- Box 43 of 192 Folders 21-22 London, A-Z. Includes correspondence with various scientific and professional organizations located in London.
- Box 43 of 192 Folder 23 Long, C. S. - Longstreet, Richard L.
- Box 44
- Box 44 of 192 Folder 1 Loomis, Lafayette G., 1898-1903. Concerning a possible legacy for the Smithsonian.
- Box 44 of 192 Folder 2 Lorch, E. P. - Loud, F. H.
- Box 44 of 192 Folder 3 Louisiana Society for the Prevention of Cruelty to Animals - Loving, Lucas P.
- Box 44 of 192 Folder 4 Low, Edwin H. - Lucas, Frederic Augustus
- Box 44 of 192 Folder 5 Luce, William B., 1901-1902
- Box 44 of 192 Folder 6 Luchia, Louis N. - Luke, W. A.
- Box 44 of 192 Folder 7 Lumbard, J. H. - Lumsden, G. E.
- Box 44 of 192 Folder 8 Lunar photography, 1890-1893. Researchers should also consult the correspondence with Edward Singleton Holden (*q.v.*). There are lunar photographs in box 104.
- Box 44 of 192 Folder 9 Lund, J. Julius - Mabery, Charles F.
- Box 44 of 192 Folder 10 McAdie, Alexander, 1893-1907
- Box 44 of 192 Folder 11 McAdoo, William - McClung, James
- Box 44 of 192 Folder 12 McClure, Samuel Sidney, 1891-1903. Discussing publication of articles on scientific subjects, some from the Smithsonian by *McClure's* and some *McClure's* articles by the Smithsonian.
- Box 44 of 192 Folder 13 McClurg Co., A. C. - McCurdy, David G.
- Box 44 of 192 Folder 14 McDade, James E. - MacDuff, J. Bruce

- Box 44 of 192 Folder 15 McElmore, M. M. - McFarlane, C. T.
- Box 44 of 192 Folder 16 McGee, William John, 1893-1904. Concerning the work of the Bureau of American Ethnology in the last years of John Wesley Powell's life. McGee wanted to succeed Powell as Director and was greatly disappointed at the choice of William H. Holmes. He never forgave the Smithsonian the slight. See also record unit 45.
- Box 44 of 192 Folder 17 McGill, Sarah M. - McLaughlin, C. M.
- Box 44 of 192 Folder 18 McLennan, Evan, 1897-1900

Box 45

- Box 45 of 192 Folder 1 Macmillan and Co., 1890-1903
- Box 45 of 192 Folder 2 MacMillan, Conway - MacPherson, W. H.
- Box 45 of 192 Folder 3 McPike, Eugene T., 1900-1906
- Box 45 of 192 Folder 4 Macrae, Nathaniel W. - Macy, W. A.
- Box 45 of 192 Folder 5 Maddren, A. G., 1904-1905. Concerning an expedition to Alaska in search of the remains of a mammoth.
- Box 45 of 192 Folder 6 Madox, C. Waldo - Magruder, William T.
- Box 45 of 192 Folder 7 Mahan, F. M. - Mallery, Garrick
- Box 45 of 192 Folder 8 Mallet, John William, 1894-1903
- Box 45 of 192 Folder 9 Mallory Co., C. M. - Maltby, L. C.
- Box 45 of 192 Folder 10 Manderson, Charles F. - Manker, C. A.
- Box 45 of 192 Folders 11-18 Manly, Charles Matthews, 1898-1906. Manly was an engineering aide to Langley and piloted the aerodrome on its failed flight attempt. This material discusses that project and includes drawings.
- Box 45 of 192 Folder 19 Mann, Albert - Manson, George J.
- Box 45 of 192 Folder 20 Manson, Marsden, 1891-1902
- Box 45 of 192 Folder 21 Mantia, Calogero - Manz Engraving Co.

Box 46

- Box 46 of 192 Folder 1 Marcell, Marshall - Marcou, Jules
- Box 46 of 192 Folder 2 Marey, Etienne-Jules, 1895-1903. Concerning aeronautics.
- Box 46 of 192 Folder 3 Marfels, Carl, - Marsh, Julia N.

- Box 46 of 192 Folder 4 Marsh, Othniel Charles, 1895-1898
- Box 46 of 192 Folder 5 Marshall, William J. - Marti, C.
- Box 46 of 192 Folder 6 Martin, Artemas - Martin, W. H.
- Box 46 of 192 Folder 7 Marvin, C. F. - Mascart, E.
- Box 46 of 192 Folders 8-12 Mason, Otis Tufton, 1891-1906
- Box 46 of 192 Folder 13 Mason, S. Lamont - Massiou, E.
- Box 46 of 192 Folder 14 Mather, Frank Jewett, Jr. - Mather, J. H.
- Box 46 of 192 Folder 15 Mathews, John A., 1897-1898
- Box 46 of 192 Folder 16 Mathewson, James R. - Matthews, R. S.
- Box 46 of 192 Folder 17 Maurice Joyce Engraving Co., 1893-1906
- Box 46 of 192 Folder 18 Mauro, Philip - Mayer, A. C.
- Box 46 of 192 Folder 19 Mayer, Alfred M., 1892-1895
- Box 46 of 192 Folder 20 Mayer and Muller - "Mazamas"
- Box 46 of 192 Folder 21 Meacham, S. D. - Megoun, Frank
- Box 46 of 192 Folder 22 Meigs, Montgomery C., 1891-1895. A Regent and member of the Executive Committee.
- Box 46 of 192 Folder 23 Melbourne Public Library and Museum - Mencke, John B.
- Box 46 of 192 Folder 24 Mendenhall, Charles Elwood, 1898-1905. Concerning the work of the Astrophysical Observatory.
- Box 46 of 192 Folder 25 Mendenhall, Thomas Corwin, 1891-1901. President of Worcester Polytechnic Institute.
- Box 46 of 192 Folder 26 Mengoli, Giovanni - Meriden Gravure Co.
- Box 47
- Box 47 of 192 Folder 1 Merriam, Clinton Hart, 1892-1904. Concerning conservation and related topics.
- Box 47 of 192 Folder 2 Merrill, A. A., 1892-1903
- Box 47 of 192 Folder 3 Merrill, George Perkins, 1891-1906. Discussing work of the Department of Geology, United States National Museum.

- Box 47 of 192 Folder 4 Merrill, S. T. - Michelsen, Karl
- Box 47 of 192 Folder 5 Michelson, Albert Abraham, 1891-1898. Concerning Smithsonian aid to Michelson in his experiments on atomic weights.
- Box 47 of 192 Folder 6 Michie, Karl - Middleton, H. I.
- Box 47 of 192 Folder 7 Mider, J. T. - Miles, Nelson A.
- Box 47 of 192 Folder 8 Miller, A. I. - Miller, W. L.
- Box 47 of 192 Folder 9 Millican, J. A. - Minnich, C. S.
- Box 47 of 192 Folder 10 Minot, Charles S. - Mitchell, S. A.
- Box 47 of 192 Folder 11 Mitchell, Silas Weir, 1888-1907
- Box 47 of 192 Folder 12 Mitchell, T. R. - Moller, H. R.
- Box 47 of 192 Folders 13-14 Monier, Seitert, Pommeret, 1891-1900. A firm of French metalworkers which supplied Langley with various metal items for his experiments.
- Box 47 of 192 Folder 15 Monk, Wallace - Montgomery, M. J.
- Box 47 of 192 Folder 16 Montgomery & Co., 1895-1905. Tool and machinery manufacturers.
- Box 47 of 192 Folder 17 Montreal Society of Numismatics and Archeology - Mooney, W. E.
- Box 48
- Box 48 of 192 Folder 1 Moore, Alfred F., 1892-1902
- Box 48 of 192 Folder 2 Moore, A. C. - More, James B.
- Box 48 of 192 Folder 3 Moreau, Frederic - Morgan and Co., J. P.
- Box 48 of 192 Folders 4-6 Morley, Edward William, 1891-1902. Morley was a colleague of Albert A. Michelson (*q.v.*). This material concerns Smithsonian aid for Morley's study of the atomic weight of oxygen.
- Box 48 of 192 Folder 7 Morley, Isaac - Morris, J. F.
- Box 48 of 192 Folder 8 Morris, Martin F., 1879-1889, 1897-1899. Negotiations over surrender of the corpus of the Toner Fund.
- Box 48 of 192 Folder 9 Morris, M. L. - Morse, Edward L.
- Box 48 of 192 Folder 10 Morse, Harry W., 1905. Concerning spectroscopic studies.
- Box 48 of 192 Folder 11 Morse Twist Drill and Machine Co. - Moses, Alfred J.

- Box 48 of 192 Folder 12 Moses and Son, W. B., 1892-1901
- Box 48 of 192 Folder 13 Mosley, Woodson - Moss, Charles W.
- Box 48 of 192 Folder 14 Moth, Axel, 1894-1904. Concerning corrections and proofreading of *A Bibliography of Chemistry* by Henry Carrington Bolton (q.v.).
- Box 48 of 192 Folder 15 Motley, Wilfred R., 1902-1905. Includes drawings.
- Box 48 of 192 Folder 16 Mott, S. D. - Moyer, Mrs. F.
- Box 48 of 192 Folder 17 Mulertt, Hugo, 1901, 1906
- Box 48 of 192 Folder 18 Mullenhoff, Dr. Karl, 1902
- Box 48 of 192 Folder 19 Muller, H. C. - Mundy, Howard L.
- Box 48 of 192 Folders 20-21 Munn and Co., 1895-1905. Concerning Smithsonian business with *Scientific American*.
- Box 48 of 192 Folder 22 Munro, A. A. - Murdoch, Lindsay
- Box 48 of 192 Folder 23 Murdock, John, 1891-1892. Concerning his duties as Librarian.

Box 49

- Box 49 of 192 Folder 1 Murlin, A. E. - Muscat, U. S. consulate in
- Box 49 of 192 Folder 2 Museum, United States National, 1892-1906
- Box 49 of 192 Folder 3 Museum, United States National. Buildings and labor, 1891-1901.
- Box 49 of 192 Folder 4 Museum, United States National. Copies of Acting Secretary's correspondence, 1895.
- Box 49 of 192 Folder 5 Museum, United States National. Letters from the Museum signed by the Secretary, 1889.
- Box 49 of 192 Folder 6 Museum, United States National. Lists of requisitioned employees, 1895.
- Box 49 of 192 Folder 7 Museum, United States National. Lists of officers and employees, 1898.
- Box 49 of 192 Folder 8 Museum, United States National. Memoranda, 1893-1894.
- Box 49 of 192 Folder 9 Museums Association - Myers, George Francis
- Box 49 of 192 Folder 10 Myers, G. W. - Mytton, Richard G. V.
- Box 49 of 192 Folder 11 Nacet, A. - Nash and Co., George

- Box 49 of 192 Folder 12 National Academy of Sciences, 1891-1906
- Box 49 of 192 Folder 13 National Academy of Sciences. North Magnetic Pole Commission,
1890-1892.
- Box 49 of 192 Folder 14 National Ammonia Company - National Geographic Society
- Box 49 of 192 Folder 15 National Historic Picture Guild, 1904
- Box 49 of 192 Folder 16 National Institute of Bibliography - *National Tribune*
- Box 49 of 192 Folders 17-20 National University, 1893-1906. Correspondence, news
clippings, and pamphlets concerning efforts to create in Washington a
university offering only graduate instruction.
- Box 49 of 192 Folder 21 *Nature* - Newbold, W.
- Box 50
- Box 50 of 192 Folders 1-2 Newcomb, Simon, 1891-1906. Concerning collaboration with the
Smithsonian.
- Box 50 of 192 Folder 3 Newell, F. H. - New England Genealogical Society
- Box 50 of 192 Folders 4-5 New Era Printing Co., 1898-1906
- Box 50 of 192 Folder 6 Newfoundland, discovery of - Newton, W. T.
- Box 50 of 192 Folder 7 New York Academy of Sciences - *New York Commercial*
- Box 50 of 192 Folders 8-9 New York Customs House, 1891-1903
- Box 50 of 192 Folder 10 New York Engraving and Printing Co. - New York Oxygen Co.
- Box 50 of 192 Folder 11 New York Photogravure Co. - Neyens, Peter
- Box 50 of 192 Folder 12 Niagara Stamping and Tool Co. - Nicholson, W. F.
- Box 50 of 192 Folder 13 Nicholson, Walter L., 1892-1895
- Box 50 of 192 Folder 14 Nickelsen, Alette S. S. - Noguchi, Hideo
- Box 50 of 192 Folder 15 Norcross, O. W. - Nyland, A. A.
- Box 50 of 192 Folder 16 Oakes, Edward - O'Flynn, Richard
- Box 50 of 192 Folder 17 Ogan, Maude - Orton, Edward
- Box 51
- Box 51 of 192 Folder 1 Osborn, Henry Fairfield - Ott, Henry N.

- Box 51 of 192 Folder 2 Otto Gas Engine Works, 1895-1896
- Box 51 of 192 Folder 3 Oudin, Maurice - Oxford University
- Box 51 of 192 Folder 4 Pacific, Astronomical Society of the - Palache, Charles
- Box 51 of 192 Folder 5 Palermo (Italy), U. S. Consulate in - Paris: American University committee
- Box 51 of 192 Folder 6 Paris, Universal Exposition of 1900, 1899-1900
- Box 51 of 192 Folder 7 Paris societies, circa 1894-1902. Containing correspondence with various learned bodies headquartered in Paris, arranged alphabetically.
- Box 51 of 192 Folder 8 Paris, *Commission Permanente Internationale d'Aeronautique*, 1900-1904
- Box 51 of 192 Folder 9 Park College - Parks, Clifton A.
- Box 51 of 192 Folder 10 Parkhurst, John H., 1891-1900
- Box 51 of 192 Folder 11 Parmelee, K. W. - *The Parthenon*
- Box 51 of 192 Folder 12 Partridge, William Ordway, 1895-1898. Sculptor of the Smithsonian *bas relief* in Genoa; contains preliminary sketches.
- Box 51 of 192 Folder 13 Pasanisi, J. M. - Patcanof, S.
- Box 51 of 192 Folder 14 Patitz, Reinhold - Payne, William W.
- Box 51 of 192 Folder 15 Peace Jubilee - Pearson, H. W.
- Box 51 of 192 Folder 16 Pearson, Karl, 1899-1902. Concerning meteorological research.
- Box 52
- Box 52 of 192 Folder 1 Pearson, Thomas F. - Peine, B. O.
- Box 52 of 192 Folders 2-7 Peirce, Charles Sanders, 1894-1904
- Box 52 of 192 Folder 8 Peirce, Charles Sanders. "On Two Map Projections of the Lobatschewskian Plane," 1901.
- Box 52 of 192 Folder 9 Peirce, Charles Sanders. Translation from the German of Otto Mannesmann, "Measures of the Resistance of the Air...," n.d.
- Box 52 of 192 Folder 10 Peirce, Charles Sanders. "On the Meaning of the Words 'Laws of Nature' in Modern Scientific Thought," edited by Samuel P. Langley, circa 1901.

- Box 52 of 192 Folder 11 Peirce, Charles Sanders. Miscellaneous notes and calculations, undated.
- Box 52 of 192 Folder 12 Peirce, Herbert H. D., 1895-1898. Peirce was secretary of the United States Legation at St. Petersburg and obtained rock salt crystals from Russia for Langley's experimental work.
- Box 52 of 192 Folder 13 Peirce, John H. - Pennick, C. C.
- Box 52 of 192 Folder 14 Pennsylvania Academy of the Fine Arts - Pennsylvania, University of
- Box 52 of 192 Folder 15 Penny, Will - Perry, Theodore
- Box 52 of 192 Folder 16 Pestell, Walter - Pfanneburg, Georg
- Box 52 of 192 Folder 17 Phelps, Frank B. - Philadelphia, Wilmington and Baltimore Railway Co.
- Box 52 of 192 Folder 18 Phillipp, Herbert - Phillips, P. Lee
- Box 53
- Box 53 of 192 Folder 1 Phillips, W. Hallett, 1891-1897
- Box 53 of 192 Folder 2 Phipps, Henry - Pick, R. F.
- Box 53 of 192 Folders 3-4 Pickering, Edward Charles, 1891-1901. Concerning various matters in astronomy. Pickering directed the Harvard College Observatory.
- Box 53 of 192 Folder 5 Pickering, John F., 1898-1899
- Box 53 of 192 Folder 6 Pickering, William Henry, 1892-1906. Chiefly concerning publication of a manuscript comparing certain features of the moon to geological features of Hawaii.
- Box 53 of 192 Folder 7 Pictet, Raoul - Pierce, George W.
- Box 53 of 192 Folder 8 Pierce, Josiah, Jr. - Pierson, George W.
- Box 53 of 192 Folder 9 Pike, Luther H. - Pilcher, Percy S.
- Box 53 of 192 Folder 10 Pinchot, Gifford, 1902-1903. Dealing with routine business, but see also record unit 45.
- Box 53 of 192 Folder 11 Pinkham, Ellis - Pittsburgh Motor Vehicle Co.
- Box 53 of 192 Folder 12 Pittsburgh Reduction Co. - Pittsburgh Testing Laboratory
- Box 53 of 192 Folder 13 Place, Elbert - Platt, Charles S.
- Box 53 of 192 Folder 14 Platt, Orville H., 1893-1906. A senatorial Regent.

- Box 53 of 192 Folder 15 Pleasants, William E. - Pollock, John
- Box 53 of 192 Folder 16 Pomeroy, Mabel W. - Pope, George C.
- Box 53 of 192 Folder 17 Pope Manufacturing Co., 1895-1899. Concerning Langley's efforts
to secure an engine and related materials for his aerodrome experiments.
- Box 53 of 192 Folder 18 *Popular Astronomy - Popular Science News*
- Box 53 of 192 Folder 19 Porche, C. - Potbury, Jesse E.
- Box 53 of 192 Folder 20 Potomac Electric Power Co., 1902-1906
- Box 53 of 192 Folder 21 Potter, Aida B. - Powell, James R.
- Box 53 of 192 Folder 22 Powell, John Wesley, 1888-1906. Director of the Bureau of
American Ethnology and a close personal friend of Secretary Langley.
- Box 53 of 192 Folder 23 Powell, Thomas - Powers Duplex Regulator Co.
- Box 54
- Box 54 of 192 Folder 1 Pratt & Whitney Co., 1891-1899. Concerning machine tools for use
in aerodrome research.
- Box 54 of 192 Folder 2 *The Prairie Farmer* - Praul, John E.
- Box 54 of 192 Folder 3 Prentice Brothers Co. - *The Press*
- Box 54 of 192 Folder 4 Press clipping services, 1891-1908
- Box 54 of 192 Folder 5 Pressley, Mason W. - Pringsheim, E.
- Box 54 of 192 Folders 6-7 Printing, 1892-1905. Concerning articles selected for publication
in Smithsonian series.
- Box 54 of 192 Folder 8 Pritchett, Henry S. - *Progress of the World*
- Box 54 of 192 Folders 9-12 Property clerk, 1892-1906. Concerning care of property
belonging to the Institution.
- Box 54 of 192 Folder 13 *The Prophetic Messenger - The Psychological Review*
- Box 54 of 192 Folder 14 Publicity Bureau, 1901-1903. Concerning publicity for the *Annual
Report*.
- Box 54 of 192 Folder 15 Pullman Co. - Putnam, F. W.
- Box 54 of 192 Folder 16 Putnam Sons, G. P., 1898-1903
- Box 54 of 192 Folder 17 Putnam, M. Z. - Pynchon, Edwin

Box 55

- Box 55 of 192 Folder 1 Qualtrough, Frank- Quebec Literary and Historical Society
- Box 55 of 192 Folders 2-3 Quarterly statements: BAE, 1899-1906
- Box 55 of 192 Folder 4 Quarterly statements: International Exchanges, 1898-1906
- Box 55 of 192 Folders 5-7 Quarterly statements: National Museum, 1898-1906
- Box 55 of 192 Folder 8 Quarterly statements: Zoo, 1898-1906
- Box 55 of 192 Folders 9-12 Queen and Co., James, 1891-1902
- Box 55 of 192 Folder 13 Quelch, Bertram - Quisenberry, A. C.
- Box 55 of 192 Folder 14 Raddatz, R. - Radium: Austin, E. R. - Burrow, Walter B.
- Box 55 of 192 Folder 15 Radium: Calvert, W. - Hursh, George E.
- Box 55 of 192 Folder 16 Radium: Jewett, O. W. - Wynne, B. P.
- Box 55 of 192 Folder 17 Radotinsky, T. - Ramsay, W.
- Box 55 of 192 Folder 18 Ramsey, George M., 1891-1901
- Box 55 of 192 Folder 19 Ramseyer, C. W. - Rathbun, Mary Jane

Box 56

- Box 56 of 192 Folders 1-9 Rathbun, Richard, 1896-1906. Rathbun was an assistant to Spencer Baird on the U. S. Fish Commission and joined the Smithsonian staff in 1880. He conducted much of the Fish Commission's work as well as assigned duties in the U. S. National Museum. He subsequently became Assistant Secretary in charge of the National Museum and so remained until his death in 1918. He was a close associate of Secretaries Baird, Langley, and Walcott.
- Box 56 of 192 Folder 10 Rattenbury, W. H. - Rauterberg, L.
- Box 56 of 192 Folders 11-13 Ravenel, William deC., 1896-1906. Concerning his duties as Administrative Assistant for the National Museum.
- Box 56 of 192 Folder 14 Ray, George W. - Rechhold, Dr.[?]
- Box 56 of 192 Folder 15 *Records of the Past*, 1904-1905
- Box 56 of 192 Folder 16 *Recreation* - Reed, P. J.
- Box 56 of 192 Folder 17 Reed, R. L., 1896-1906. Reed was one of Langley's principal aides on his aerodrome experiments.

- Box 56 of 192 Folder 18 Reed and Son Co., Samuel - Reeve, Sidney A.
- Box 57
- Box 57 of 192 Folder 1 Reichmann, F. - Reiff, Josiah C.
- Box 57 of 192 Folder 2 Reinwald & Co., C., 1893-1895
- Box 57 of 192 Folder 3 Remington Standard Typewriter - Republican Congressional Committee
- Box 57 of 192 Folder 4 Reuben, Levi - Reymershoffer, Charles
- Box 57 of 192 Folders 5-8 Rhees, William Jones, 1891-1906. For many years the Smithsonian's Chief Clerk. See also record units 64 and 7081.
- Box 57 of 192 Folder 9 Rheiner, David K. J. - Richardson, William A.
- Box 57 of 192 Folder 10 Richey, Norris A. - Ridgway, John L.
- Box 57 of 192 Folders 11-13 Ridgway, Robert, 1891-1894, 1898-1905. Mostly concerns Bendire's *Life Histories of North American Birds*.
- Box 57 of 192 Folder 14 Ridgeway, Thomas C., 1898-1906. He improperly used the Smithsonian's name to sell books.
- Box 57 of 192 Folder 15 Ried, Alma - Rinaryd, Fey
- Box 57 of 192 Folder 16 Rinehart, Bentley F., 1895-1898. A skilled mechanic who worked on construction of a light-weight engine for the Langley aerodrome.
- Box 57 of 192 Folder 17 Ringwell, Hugh - Ristow, Lewis G.
- Box 57 of 192 Folder 18 Ritchey, G. W., 1902-1904. Concerning celestial photography.
- Box 58
- Box 58 of 192 Folder 1 Ritchie and Sons, E. S. - Ritter, Friedrich
- Box 58 of 192 Folder 2 Riverside Press, 1892-1898
- Box 58 of 192 Folder 3 Rivett-Carnac, J. H. - Roberts, E. W.
- Box 58 of 192 Folder 4 Roberts, W. F., 1892-1902
- Box 58 of 192 Folder 5 Robertson, George W. - Roche, William
- Box 58 of 192 Folder 6 Rochester Optical and Camera Co.- Rochon, Achille
- Box 58 of 192 Folders 7-8 Rockhill, William Woodville, 1892-1903. Discussing Smithsonian publication of his account of travel in Tibet.

Box 58 of 192 Folder 9 Rodenbough, Theodore F. - Romanet, Joseph

Box 58 of 192 Folder 10 Rome Observatory (Collegio Romano) - Rood, A. D.

Box 58 of 192 Folder 11 Rood, Ogden N., 1896-1900. On various scientific topics.

Box 58 of 192 Folder 12 Roome, William A. - Rooney, John J.

Box 58 of 192 Folder 13 Roosevelt, Theodore, 1892-1901. Roosevelt was chiefly involved with the Institution when, as Vice-President, he was a Regent *ex officio* and when he became President. See also series 4 of this record unit and record unit 45 .

Box 58 of 192 Folder 14 Root, Elihu - Rosenfield, Z.

Box 58 of 192 Folder 15 Ross Ltd. - Rost Printing and Publishing Co.

Box 58 of 192 Folder 16 Rotch, Abbott Lawrence, 1893-1904. Director of Harvard's Blue Hill Meteorological Observatory.

Box 58 of 192 Folder 17 Rothschild, A. - Royal, Robert T.

Box 58 of 192 Folder 18 Royce and Marean - Rueprecht, Albert

Box 58 of 192 Folder 19 Ruhl, Robert W. - Russell, Thomas H.

Box 58 of 192 Folder 20 Russian Geographical Society, Imperial - Russia: World's Columbian Exposition

Box 58 of 192 Folder 21 Rutherford College - Ryneal, George

Box 58 of 192 Folder 22 Sabin, Morris E. - Sadler, L. A.

Box 58 of 192 Folder 23 Saegmuller, George N., 1891-1904. Supplier of optical scientific equipment to the Smithsonian.

Box 59

Box 59 of 192 Folder 1 Safford, Mary J. - St. Denis, W. H.

Box 59 of 192 Folder 2 St. Gaudens, Augustus, 1892-1894. Concerning his commission to redesign the Smithsonian seal.

Box 59 of 192 Folder 3 Saint Joseph Academy - *Saint Nicholas Magazine*

Box 59 of 192 Folder 4 Salem Press, 1892-1895

Box 59 of 192 Folder 5 Salisbury, Charles K. - Samuel, Frank

Box 59 of 192 Folder 6 Samuelson, S. Arnold, 1905-1906. Concerning manned flight.

- Box 59 of 192 Folder 7 Sanderson, J. B. - Saussure, Henri De
- Box 59 of 192 Folder 8 Saussure, Rene De, 1894-1898. Concerning research on
gyroscopes.
- Box 59 of 192 Folder 9 Savinien, L. P. - Scheurich, James J.
- Box 59 of 192 Folder 10 Schiavone, Mario - Schlaich, Kaspar
- Box 59 of 192 Folder 11 Schleicher Freres, 1896-1901. Agents for Smithsonian publications
in France.
- Box 59 of 192 Folder 12 Schlesinger, Frank - Schott & Genossen
- Box 59 of 192 Folder 13 Schroeder, Eduard August - Schuchert, Charles
- Box 59 of 192 Folder 14 Schuermann, Charles W., 1891-1901
- Box 59 of 192 Folder 15 Schuk, Jacques, - Scientific Shop, The
- Box 59 of 192 Folder 16 Sclater, D. L. - Scovill and Adams Co.
- Box 59 of 192 Folder 17 Scribner's Sons, Charles - Scudder, H. E.
- Box 59 of 192 Folder 18 Scudder, Samuel H., 1891-1894
- Box 59 of 192 Folder 19 Seaman, William H. - Seidell, Atherton

Box 60

- Box 60 of 192 Folder 1 Seismic apparatus, 1893-1894. Concerning exchange of seismic
apparatus between the Japanese government and the Smithsonian
Institution after the World's Columbian Exposition, Chicago.
- Box 60 of 192 Folder 2 Seismic apparatus. Pamphlets describing seismic apparatus, 1892,
1894.
- Box 60 of 192 Folder 3 Selden, F. J. - Sellars, L. H.
- Box 60 of 192 Folder 4 Sellers, Coleman, 1891-1904. Concerning various topics in
astrophysics, flight, and other scientific subjects.
- Box 60 of 192 Folder 5 Sellers, M. B. - Seymour, J.
- Box 60 of 192 Folder 6 Seymour, Paul H., 1892-1894. Concerning topics in organic
chemistry.
- Box 60 of 192 Folder 7 Shaler, Nathaniel Southgate, 1902-1905. Concerning Smithsonian
publication of a volume on lunar photography.
- Box 60 of 192 Folder 8 Shapleigh, Waldron - Shearman, T. S. H.

- Box 60 of 192 Folder 9 Sheffield Museums Association - Shepstone, Harold J.
- Box 60 of 192 Folder 10 Sherborn, C. Davies, 1891-1896. Concerning publication of a work on foraminifera.
- Box 60 of 192 Folder 11 Sherer, Charles M. - Sherwood, William L.
- Box 60 of 192 Folders 12-13 Sherzer, W. H., 1904-1906. Concerning publication of his study of glaciation.
- Box 60 of 192 Folder 14 Shiels, S., 1891-1896
- Box 60 of 192 Folder 15 Shinn, Charles H., 1900-1901
- Box 60 of 192 Folders 16-18 Shipley, Marie Brown, 1898-1899. On her theories of the Viking discovery of North America.
- Box 60 of 192 Folder 19 Shipman, Asa L. - Shunk, William F.
- Box 60 of 192 Folder 20 Sickels, F. E. - Simonds Rolling Machine Co.

Box 61

- Box 61 of 192 Folder 1 Simpson, Charles T. - Simpson, William E.
- Box 61 of 192 Folder 2 Sinclair, A. T., 1899-1906
- Box 61 of 192 Folder 3 Sinclair, C. H. - Slocum, Joshua
- Box 61 of 192 Folders 4-5 Smillie, Thomas W., 1891-1904. Smillie was, it seems, the Smithsonian's first official photographer and assisted Langley in the Astrophysical Observatory as well as his studies of bird flight.
- Box 61 of 192 Folder 6 Smith, Alfred - Smith, C. Michie
- Box 61 of 192 Folder 7 Smith, Donald A. - Smith, Frank
- Box 61 of 192 Folder 8 Smith, Franklin Webster, 1905
- Box 61 of 192 Folder 9 Smith, Goldwin - Smith, J. Warren
- Box 61 of 192 Folder 10 Smith, Linia - Smith, Will C.
- Box 61 of 192 Folder 11 Snead & Co. - Snyder, Mary J.
- Box 61 of 192 Folder 12 Socolow, Serge - Southern Pacific Milling Co.
- Box 61 of 192 Folder 13 Southern Printers Supply Co. - Spear, W. P.
- Box 61 of 192 Folder 14 Speiden, William L., 1893-1901
- Box 61 of 192 Folder 15 Speight-Humberstone, Mrs. C. E. - Spratt, Leonidas

Box 61 of 192 Folder 16 Sprentall, A. E. - Springer, E. L.

Box 61 of 192 Folder 17 Springer Torsion Balance Co.- Squires, Henry C. and Son

Box 61 of 192 Folder 18 Stachely, John A. - Stanley, Stuart

Box 61 of 192 Folder 19 Stanley, W. F., 1892-1895

Box 61 of 192 Folder 20 Stanton, J. C. - Steffire, Leon

Box 61 of 192 Folders 21-22 Stein, Robert, 1893-1895, 1897-1904. Correspondence on various plans for exploration.

Box 62

Box 62 of 192 Folder 1 Stein, Stanislaus von - Stevens, Arthur L.

Box 62 of 192 Folder 2 Stevens, Benjamin F., 1891-1898. Concerning historical research, mostly related to James Smithson.

Box 62 of 192 Folder 3 Stevens, E. A. - Stevenson, David W.

Box 62 of 192 Folders 4-6 Stevenson, Matilda Coxe, 1901-1902. Concerning a grievance over her employment at the Bureau of American Ethnology.

Box 62 of 192 Folder 7 Stevenson, Robert - Stieubalger, S. A.

Box 62 of 192 Folder 8 Stiles, C. W. - Stivers, R. M.

Box 62 of 192 Folder 9 Stoakley, William S. - Stoner, J. B.

Box 62 of 192 Folder 10 Stoney, Johnstone, 1901

Box 62 of 192 Folder 11 Storm, J. E. - Strother, R. H.

Box 62 of 192 Folder 12 Stuart, Joseph A. - Sturla, J. M.

Box 62 of 192 Folder 13 Sturtevant and Co., B. F., 1893-1896

Box 62 of 192 Folder 14 Stutz, [?] - Summers, F. A.

Box 63

Box 63 of 192 Folder 1 Sundberg, John C. - Sweet, C. E.

Box 63 of 192 Folder 2 Swift, Ernest - Szold, Henrietta

Box 63 of 192 Folder 3 Taber, Robert B. - Talbot, D. H.

Box 63 of 192 Folder 4 Talbot, H. P., 1901-1902

- Box 63 of 192 Folder 5 Talfound, A. - Tavenner, Philip R.
- Box 63 of 192 Folder 6 Taylor, A. - Taylor, Fred T.
- Box 63 of 192 Folder 7 Taylor, G. C. - Teeter, C. N.
- Box 63 of 192 Folder 8 Teller, H. M. - Texas Historical Society
- Box 63 of 192 Folder 9 Thaw, William, Jr. - Thistlethwaite, Harriet
- Box 63 of 192 Folder 10 Thomas, Benjamin F. - Thomas, W. E.
- Box 63 of 192 Folder 11 Thompson, A. H. - Thompson, W. S.
- Box 63 of 192 Folder 12 Thomson, Frank - Thurman, J. S.
- Box 63 of 192 Folder 13 Thurston, Robert Henry, 1891-1903. Discussing various aspects of aerodromics.
- Box 63 of 192 Folder 14 Tiessen, E., 1901
- Box 63 of 192 Folders 15-17 Tiffany and Co., 1891-1906. Includes photographs.
- Box 63 of 192 Folder 18 Tiffany Glass & Decorating Co. - Toller, Samuel
- Box 63 of 192 Folder 19 Tompkins, Ernest - Torrey, A. O.
- Box 64
- Box 64 of 192 Folder 1 Tower, Beauchamp, 1899-1900. Correspondence on equipment needed for Langley's study of birds in flight.
- Box 64 of 192 Folder 2 Towne, Edward C. - Tripler, C. E.
- Box 64 of 192 Folder 3 Troemer, Henry - Trowbridge, Lawrence W.
- Box 64 of 192 Folder 4 Trubner, Karl J., 1892-1900
- Box 64 of 192 Folders 5-16 True, Frederick William, 1890-1906. Concerning True's duties in the U. S. National Museum.
- Box 65
- Box 65 of 192 Folder 1 Truslow, Edward - Tucker, C. C.
- Box 65 of 192 Folders 2-5 Tuckerman, Alfred, 1891-1896, 1898-1902. Concerning a study of mineral springs.
- Box 65 of 192 Folder 6 Tuckerman, Emil - Tyson, A. H.
- Box 65 of 192 Folder 7 Udden, J. A. - United States Fireproof Blank Book Co.

- Box 65 of 192 Folder 8 University Press - Van Dyke, Edward
- Box 65 of 192 Folder 9 Van Keuren, F. B. - Verwyst, Chrisostom
- Box 65 of 192 Folder 10 Very, Frank W., 1890-1902. Concerning various research projects in which Very aided Langley.
- Box 65 of 192 Folder 11 Vetromile, Eugenio, 1876-1879, 1904. Concerning American ethnology.
- Box 65 of 192 Folder 12 Viallon, A. - Vitoch, Louis J.
- Box 65 of 192 Folder 13 Voelkel, John - Vulte, H. T.
- Box 65 of 192 Folder 14 Wabash Railroad - Wainwright, Jacob T.
- Box 65 of 192 Folder 15 Wait, Frona Eunice, 1899-1902
- Box 65 of 192 Folder 16 Waite, Mary F. - Wakeley, Ebenezer
- Box 65 of 192 Folders 17-18 Walcott, Charles D., 1892-1897. Concerning Walcott's relations with the Smithsonian while directing the U. S. Geological Survey and early efforts to attract him to the Smithsonian. Walcott did serve as acting Assistant Secretary for the National Museum from 1897 to 1898.

Box 66

- Box 66 of 192 Folders 1-2 Walcott, Charles D., 1898-1904. Concerning subjects of mutual interest.
- Box 66 of 192 Folder 3 Walden, D. I. - Waldner, I.
- Box 66 of 192 Folder 4 Waldo Foundry, 1894-1895. Supplier of specialty metals for Langley's experiments.
- Box 66 of 192 Folder 5 Waldo, Frank - Waldsteen, Charles
- Box 66 of 192 Folder 6 Walker, Bryant, 1899
- Box 66 of 192 Folder 7 Walker, Ernest G. - Walker, Frank A.
- Box 66 of 192 Folder 8 Walker, James G., 1891-1895
- Box 66 of 192 Folder 9 Walker, John Brisbane - Walker and Co., William
- Box 66 of 192 Folders 10-11 Walker and Kepler, March-August 1895. Concerning electrical contracting for the Smithsonian Building.
- Box 66 of 192 Folder 12 Wallace, Ira M. - Wanner, Isaac
- Box 66 of 192 Folder 13 Ward, George W. - Ward and Co., Montgomery

- Box 66 of 192 Folder 14 Ward, Lester Frank, 1891-1905. Concerning Ward's avocation as a botanist; also containing a critique of Charles Sanders Peirce's essay on Hume and miracles (*q.v.*).
- Box 66 of 192 Folder 15 Ward, Shirley C. - Warne, E.
- Box 66 of 192 Folders 16-20 Warner and Swazey, 1891-1905. Concerning instruments ordered for Langley's experiments.
- Box 66 of 192 Folder 21 Washburn, F. L. - Washington Title Insurance Co.
- Box 66 of 192 Folder 22 Washington City Post Office, 1892-1898
- Box 66 of 192 Folder 23 Watase, S. - Watkins and Co.
- Box 66 of 192 Folder 24 Watkins, J. Elfreth, 1891. Concerning Watkins's duties as aide to Langley and other duties in the United States National Museum.
- Box 67
- Box 67 of 192 Folders 1-7 Watkins, J. Elfreth, 1892, 1895-1903
- Box 67 of 192 Folder 8 Watson, Clara - Watzelham, Joseph
- Box 67 of 192 Folder 9 Wead, Charles Kasson - Weisman, Edwin
- Box 67 of 192 Folder 10 Weiss, Paul - Welling, Clementine L. D.
- Box 67 of 192 Folders 11-12 Welling, James Clarke, 1891-1900. Smithsonian Regent.
- Box 67 of 192 Folder 13 Wells, Albert C. - Wernstedt, L. Von
- Box 67 of 192 Folders 14-16 Wesley and Son, William, 1891-1906
- Box 68
- Box 68 of 192 Folder 1 Wesson, W. B., Jr. - Westinghouse, Church, Kerr and Co.
- Box 68 of 192 Folder 2 Westinghouse Electric Co., 1892-1905. Concerning orders for electrical equipment.
- Box 68 of 192 Folder 3 Westlund, J. - Wheeler, Harvey C.
- Box 68 of 192 Folder 4 Wheeler, Joseph, 1891-1905. Regent and sometime Confederate cavalry officer.
- Box 68 of 192 Folder 5 Wheeler, W. F. - White, Alexander
- Box 68 of 192 Folder 6 White, Andrew D., 1891-1906. Smithsonian Regent and American Minister to Russia and Germany.

- Box 68 of 192 Folder 7 White, Charles A., 1898-1905. Concerning the mutation theories of Hugo DeVries.
- Box 68 of 192 Folder 8 White, J. W. - White, W. Fred
- Box 68 of 192 Folder 9 Whitehead, John - Wilbur, F. I.
- Box 68 of 192 Folder 10 Wilcox, Helen M., 1898-1900
- Box 68 of 192 Folder 11 Wilde, M. L. C. - Williams, Allen S.
- Box 68 of 192 Folder 12 Williams and Wilkins, 1901-1905
- Box 68 of 192 Folder 13 Williams Book Exchange - Williamson, George
- Box 68 of 192 Folder 14 Willige, J. Lewis, 1897-1903
- Box 68 of 192 Folder 15 Willing, Mrs. A. J. - Willsey, Joseph H.
- Box 68 of 192 Folder 16 Willyoung and Co., Elmer G., 1895-1899. Suppliers of electrical experimental apparatus.
- Box 68 of 192 Folder 17 Wilmot Hobbs Manufacturing Co. - Wilson, R. E.
- Box 68 of 192 Folder 18 Wilson, Thomas, 1892-1902. Concerning archeological topics.

Box 69

- Box 69 of 192 Folder 1 Wilson, W. E. - Wilson, W. H.
- Box 69 of 192 Folder 2 Wilson, William L., 1891-1900. Regent.
- Box 69 of 192 Folder 3 Wilstach, John A. - Winlock, Alice B.
- Box 69 of 192 Folders 4-7 Winlock, William Crawford, 1890-1896. Assistant in charge of Office and Curator of Exchanges; a trusted assistant to Secretary Langley.
- Box 69 of 192 Folder 8 Winston, Charles H. - Winston, Frank H.
- Box 69 of 192 Folder 9 Winston Motor Carriage Co. - Witmer, C. K.
- Box 69 of 192 Folder 10 Wittman, Ernest, 1893-1901. Contains blueprints.
- Box 69 of 192 Folder 11 Woglom, Gilbert T. - Woodruff, Lewis B.
- Box 69 of 192 Folder 12 Woods, William Elliott, 1891-1905
- Box 69 of 192 Folder 13 Woods, William J. - Woodward, A.
- Box 69 of 192 Folder 14 Woodward, Robert S., 1892-1897. A geophysicist and topographer, Woodward was a consultant to the Smithsonian, especially during his service in the U. S. Geological Survey.

- Box 69 of 192 Folder 15 Woolf, W. A. - Wright, James W. A.
- Box 69 of 192 Folder 16 Wright, Joseph A., 1897, 1901-1906. Concerning publication of a dictionary of English dialects.
- Box 69 of 192 Folder 17 Wright, Wilbur, correspondence, May 30 (typescript copy only) and June 14, 1899; October 20 and November 7, 1902; April 17 and June 8, 1903. In the May 30, 1899, letter Wright asks Langley for papers published by the Smithsonian on flight, describing himself as "... an enthusiast but not a crank ..."
- Box 69 of 192 Folder 18 Wuthrich, J. R. - Wyoming, University of
- Box 69 of 192 Folder 19 Yale and Towne Manufacturing Co. - Yates, Lorenzo G.
- Box 69 of 192 Folder 20 York and Son, James M. - Young, Aaron
- Box 70
- Box 70 of 192 Folder 1 Young, C. A., 1891-1901
- Box 70 of 192 Folder 2 Young, Curtis Clay - Zadiera, Johann
- Box 70 of 192 Folder 3 Zahm, Albert F., 1892-1907. Concerning aeronautical topics.
- Box 70 of 192 Folder 4 Zangwill, Israel - Zuberbuchler, J. R.
- Box 70 of 192 Folder 5 Letters outside Smithsonian scope

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Series 2: Smithsonian Bureaus and Offices, 1891-1906.

The Smithsonian's administration during the period from 1891 to 1906 was organized around a basic division between the Smithsonian Institution, "the parent institution," as it was often called, and various bureaus which it operated as an agent of the federal government. The National Museum, the largest of the "federal" bureaus, is documented in separate record units. Because the original order of these records was destroyed in the past, it may be important for researchers to cross-check the main alphabetical series under the name of a Smithsonian staff member, rather than relying solely on the bureau records separately described here.

Box 70

Board of Regents

Box 70 of 192 Folder 6 Board of Regents, 1892-1906. Includes some material discussing selection of Langley's successor.

Box 70 of 192 Folder 7 Board of Regents. Executive Committee, 1903-1907

Office of the Secretary

Box 70 of 192 Folders 8-12 Langley, Samuel P., correspondence, 1889-1898. This correspondence is chiefly concerned with Langley's research in astrophysics and manned flight. Researchers should also consult the oversize holdings for related material. Oversize materials include drawings, blueprints, and photographs dealing with Langley's research in aeronautics. Box 70A contains photographs of an observation of a solar eclipse at Wadesboro, North Carolina, in 1900. The records dealing with Langley's research interests are mixed with correspondence about the details of institutional administration.

Box 70A

Box 70A of 192 Folders 1-2 Photographs: Eclipse, Wadesboro, North Carolina, May 28, 1900

Box 71

Box 71 of 192 Folder 1 Langley, Samuel P., correspondence, 1893-1904

Box 71 of 192 Folder 2 Assistant in Charge of Office, 1891, 1895, 1898, 1901

Box 71 of 192 Folder 3 Regulations for filing correspondence, circa 1886-1900, and undated

Naples Zoological Station: The Naples Zoological Station, established by a German scientist, Anton Dohrn, provided laboratory facilities near Naples, Italy, where an international group of scientists could pursue research. Supporters of the Station, including the Smithsonian, could nominate scientists to occupy a "table" there for stays of varying duration. The Smithsonian filled its places by referring applicants to a panel of advisors for

approval. This material deals with the early days of Smithsonian support and is arranged alphabetically by correspondent. See also record unit 45.

Box 71 of 192 Folders 4-9 Agassiz, Alexander - Swingle, W. T.

Box 72

Box 72 of 192 Folder 1 Naples Zoological Station, Van Name, Willard G. - Wilson, H. V.

Box 72 of 192 Folder 2 Correspondence with Anton Dohrn, director, 1893-1906

Box 72 of 192 Folder 3 Administrative correspondence, 1892-1907

Box 72 of 192 Folder 4 Memorials supporting continuation of a Smithsonian table, 1893, 1896

Box 72 of 192 Folder 5 Photographs [1904?]

Box 72 of 192 Folder 6 Nobel Prize, 1901-1905. Concerning nominations for the prize.

Box 72 of 192 Folders 7-9 George P. Merrill's report on European museums, 1897. Containing an illustrated typescript and some drawings.

Astrophysical Observatory: The Astrophysical Observatory, later the Smithsonian Astrophysical Observatory, was established in 1890 by Secretary Langley, a pioneer in astrophysics. Researchers should consult the Archives for related records and personal papers.

Box 72 of 192 Folders 10-12 Correspondence and reports, 1893-1896

Box 73

Box 73 of 192 Folder 1 Astrophysical Observatory, Estimates, 1904-1906

Box 73 of 192 Folders 2-3 Solar eclipse of 1900, January-September 1900

Box 73 of 192 Folder 4 Child, Charles T., 1892-1901

Box 73 of 192 Folders 5-6 Child, R. C., 1894-1904

Box 73 of 192 Folders 7-9 Wadsworth, F. L. O., 1892-1896, 1900

Box 73 of 192 Folders 10-11 Memoranda, 1895-1906

Box 73 of 192 Folders 12-13 Secretary's research and instructions, 1895-1896

Box 74

Bureau of American Ethnology: These records deal with the Bureau of American Ethnology from 1891 to 1906. The correspondence touches upon the difficulties which the Bureau and its director, John Wesley Powell, faced

from an inquiring Congress, and upon the problems of fitting the Bureau into the Smithsonian's administrative structure. The records also document the decision to replace the deceased Powell with William H. Holmes rather than W. J. McGee.

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Folders 1-19 Correspondence, 1891-September 1895

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Folders 1-18 Bureau of American Ethnology, Correspondence, October 1895-June 1900

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Folders 1-17 Bureau of American Ethnology, Correspondence, July 1900-December 1904

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Folder 18 Bureau of American Ethnology, Explorations in Mexico, February-November 1904

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Folders 1-8 Bureau of American Ethnology, Correspondence, 1905-1906

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Folder 9 Bureau of American Ethnology, Time records, 1902-1903

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Folder 10 Bureau of American Ethnology, Vouchers, 1902-1903

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Folder 11 Bureau of American Ethnology, Operations, 1893-1906

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Folder 12 Bureau of American Ethnology, Barnett Case, abstract of information concerning, circa 1902-1903

Box 78

National Zoological Park: The National Zoological Park was created by Congress, largely at the instigation of Secretary Langlely. These records are chiefly concerned with the acquisition of land for the NZP by the Commissioners created under authority of the act - the Secretary of the Interior, the President of the District of Columbia Board of Commissioners, and the Smithsonian's Secretary. Researchers will particularly wish to consult record unit 74 for more information on this topic.

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Folder 1 Commissioners' correspondence, 1889-1891

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Folders 2-3 Correspondence with government departments, 1891-1902

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Folders 4-7 General correspondence, A-Y, dealing largely with land purchase negotiations and the purchase of animals

Box 79

Box 79 of 192 Folders 1-2 Office of International Exchanges, 1878-1890, and undated.
Concerning various plans to change and improve the operations of the office.

Box 79 of 192 Folders 3-6 William W. Karr embezzlement, 1888-1907, and undated

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Series 3: Records and Correspondence Relating to the Hodgkins Bequest and Prizes Subsequently Allocated from its Income, 1866-1916.

The Hodgkins Fund was created by a gift in 1891 from Thomas George Hodgkins, who directed that one-half its income be used to support research on atmospheric air in connection with the welfare of man. In 1893 the Smithsonian held its first competition for contributions to knowledge on this subject. In later years it also made direct grants from the Fund to support the research of specific scientists.

Box 79

Thomas Hodgkins and his estate, 1866-1895

- Box 79 of 192 Folder 7 Thomas G. Hodgkins correspondence, circa 1866-1892. Includes numerous undated fragments.
- Box 79 of 192 Folder 8 Executor of Hodgkins estate, 1891-1903
- Box 79 of 192 Folder 9 Hodgkins estate, 1891-1895

Box 80

Grants from the Hodgkins Fund, 1891-1916: The Smithsonian seems to have given individual grants and sponsored its prize competitions more or less simultaneously. It is sometimes difficult to be sure which records related to which endeavor. The following records seem to deal chiefly with applications for specific grants. A part of the file is missing.

- Box 80 of 192 Folder 1 Hodgkins Fund advisory committee, 1891-1896
- Box 80 of 192 Folder 2 Suggestions for use, 1893-1907
- Box 80 of 192 Folder 3 List of contestants, n.d.
- Box 80 of 192 Folder 4 Grants requested or proposed, 1897
- Box 80 of 192 Folder 5 Grants approved index, circa 1898-1906
- Box 80 of 192 Folder 6 Grants approved, outline of action, circa 1898-1907
- Box 80 of 192 Folder 7 Publications, 1896-1903
- Box 80 of 192 Folder 8 Committee members, n. d.
- Box 80 of 192 Folder 9 Grants applied for, circa 1893-1896
- Box 80 of 192 Folder 10 Coffin, Charles H. - Elderkin, John
- Box 80 of 192 Folder 11 Gardiner, C. F. - Haldane, J. S.
- Box 80 of 192 Folder 12 Hale, George E. - Hyde, James P.

Box 80 of 192 Folder 13 Jackson, R. G. - Loydreau, M.
Box 80 of 192 Folder 14 McAdie, Alexander - Parker, C. LeRoy
Box 80 of 192 Folder 15 Pearson, S. Vere - Proctor, O. S.

Box 81

Box 81 of 192 Folder 1 Purifoy, S. W. - Royal Institution of Great Britain
Box 81 of 192 Folder 2 Sheddan, T. W. - State Department
Box 81 of 192 Folder 3 Stevens, F. L. - Sutro, Emil
Box 81 of 192 Folder 4 Teeple, G. J. - Zuberbuhler, J. R. J. Of these files, some were segregated from the remainder, for reasons now unclear. Possibly they were considered more significant than the rest at the time.
Box 81 of 192 Folder 5 Baly, Edward C. C., 1896-1899
Box 81 of 192 Folder 6 Barus, Carl, 1895-1906
Box 81 of 192 Folder 7 Bauer, L. A., 1892-1904
Box 81 of 192 Folder 8 Bevier, Louis, 1899-1902
Box 81 of 192 Folder 9 Billings, John Shaw and Bergey, David H., 1893-1898
Box 81 of 192 Folder 10 Bradley, W. P., 1905-1908
Box 81 of 192 Folder 11 Canovetti, C., 1900-1905
Box 81 of 192 Folder 12 Eddy, William A., 1894-1903
Box 81 of 192 Folder 13 Fergusson, Sterling Price, 1901-1908
Box 81 of 192 Folder 14 Goode, George Brown, 1891-1895
Box 81 of 192 Folder 15 Hallock, William, 1897-1904

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Box 82 of 192 Folder 1 Larsen, Alexander A., 1904-1906
Box 82 of 192 Folder 2 Lummer and Pringsheim, 1892-1898
Box 82 of 192 Folder 3 Manly, Charles Matthews, 1905-1907
Box 82 of 192 Folder 4 Marey, Etienne-Jules, 1900-1903
Box 82 of 192 Folder 5 Merrill, A. A., 1901-1902

- Box 82 of 192 Folder 6 Nichols, Edward L., 1906-1907
- Box 82 of 192 Folder 7 Pickering, William Henry, 1893-1901
- Box 82 of 192 Folder 8 Rotch, Abbott Lawrence, 1897-1906. Includes photographs.
- Box 82 of 192 Folder 9 Schleicher Freres, 1896-1902
- Box 82 of 192 Folders 10-11 Schumann, Victor, 1899-1904
- Box 82 of 192 Folder 12 Scripture, Edward Wheeler, 1903-1905, 1908, 1916
- Box 82 of 192 Folder 13 Travers, Morris W., 1902-1906
- Box 82 of 192 Folder 14 Von Ledenfeld, R., 1897-1907
- Box 82 of 192 Folder 15 Webster, Arthur G., 1894-1908
- Box 82 of 192 Folder 16 Zahm, Albert F., 1901-1904

Box 83

- Box 83 of 192 Folders 1-2 Hodgkins correspondence, 1890-1893
- Box 83 of 192 Folder 3 Frank Hackett, 1893-1896
- Box 83 of 192 Folder 4 Medal for James Dewar, 1898-1899
- Box 83 of 192 Folder 5 Medal for J. J. Thomson, 1901-1902, 1905

The 1893 Essay Prize Competition, 1893-1907: In 1893 the Smithsonian announced a world-wide competition for a prize for the best essays on human knowledge of the nature and properties of air, or for practical applications of existing knowledge to the welfare of mankind. Contestants included both eminent scientists of the day and those drawn by a chance to expound novel theories and so win the ten thousand dollar prize.

- Box 83 of 192 Folder 6 Persons receiving circulars, 1893
- Box 83 of 192 Folder 7 Mailing list of competitors, 1897 and undated
- Box 83 of 192 Folder 8 Circulars (sampled)
- Box 83 of 192 Folder 9 Hodgkins numbers assigned, n.d.
- Box 83 of 192 Folder 10 Conditions and method of recommendation and approval of Hodgkins grants, n.d.
- Box 83 of 192 Folder 11 Rulings on questions raised, n.d.

Hodgkins Prize Papers Submitted for the 1893 Competition: In most cases each folder contains both correspondence and a copy of the intended prize essay. Some contain drawings, photographs, or copies of an author's other works. Some essays were returned at the author's request. Authors' names have been supplied when they could be determined with certainty. The rules of the competition allowed contestants to enter under a pseudonym; and some are listed here using that name, since no real name could be found. There is also a register of Hodgkins Fund correspondence, circa 1893-1897, in series 5.

Box 83 of 192	Folder 12 Anonymous, 1894
Box 83 of 192	Folder 13 <i>Aries</i> [Drake, Charles], 1894-1895
Box 83 of 192	Folder 14 Baly, Edward C. C., 1894-1895
Box 83 of 192	Folder 15 Bauernfeind, Carl Max von, 1894 [1880]
Box 83 of 192	Folder 16 Bebbber, W. J. van, 1893-1895
Box 83 of 192	Folder 17 Benigni, Edvige, 1894
Box 83 of 192	Folder 18 Bernheim, Samuel, circa 1894
Box 83 of 192	Folder 19 Biazzi, Ferruccio, 1894
Box 83 of 192	Folder 20 Billings, John Shaw; Mitchell, Silas Weir; and Bergey, David H., 1896, 1898

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Box 84 of 192	Folder 1 Biltz, Heinrich, 1895
Box 84 of 192	Folder 2 Blasius, William, 1877-1894
Box 84 of 192	Folder 3 Boerner, W. R., 1894-1895
Box 84 of 192	Folder 4 Brun, Charles, 1894-1895
Box 84 of 192	Folder 5 Bujwid, Odo, 1894
Box 84 of 192	Folder 6 Bundy, Edward C., 1893-1895
Box 84 of 192	Folder 7 Busch, Friedrich, 1893-1894
Box 84 of 192	Folder 8 Calderwood, John E., 1894-1895
Box 84 of 192	Folder 9 Canovetti, Cosimo, 1902
Box 84 of 192	Folder 10 Chaigneau, Charles, 1893
Box 84 of 192	Folder 11 Chamouin, Charles, 1894-1895

Box 84 of 192 Folder 12 Chew, Charles F., 1893-1894
Box 84 of 192 Folder 13 Chwolson, O., 1894
Box 84 of 192 Folder 14 Clapsaddle, Elmer, 1893-1895
Box 84 of 192 Folder 15 Clerc, Paul, 1894-1895

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Box 85 of 192 Folder 1 Cobb, S. J., 1894-1897
Box 85 of 192 Folder 2 Cohen, Julius B., 1894-1897
Box 85 of 192 Folder 3 Cohen, Solomon S., 1893-1906
Box 85 of 192 Folder 4 Cordiero, F. J. B., 1893-1897
Box 85 of 192 Folder 5 Corrigan, Severius J., 1894
Box 85 of 192 Folder 6 Coutie, William, 1894-1897
Box 85 of 192 Folder 7 Cross, Thomas, 1893-1895
Box 85 of 192 Folder 8 Cruz, V. Garcia de la, 1895
Box 85 of 192 Folder 9 Davis, W. M., 1893
Box 85 of 192 Folder 10 Decazes, Vicomte, 1894
Box 85 of 192 Folder 11 Delperier, J. B., 1894
Box 85 of 192 Folder 12 Delprat, A., 1894-1895
Box 85 of 192 Folder 13 Del Rico, Enrico, 1894-1895
Box 85 of 192 Folder 14 De Penning, George A., 1893-1894
Box 85 of 192 Folder 15 Dignat, P., 1893-1896
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Box 86 of 192 Folder 1 Duclaux, E., 1894-1896
Box 86 of 192 Folder 2 Duffy, Terrence, 1894-1896
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Box 86 of 192	Folder 8 " <i>Fais ce que dois, advienne que pourra.</i> "
Box 86 of 192	Folder 9 Feeg, Otto, 1893-1896
Box 86 of 192	Folder 10 Ferguson, George, 1895
Box 86 of 192	Folder 11 Fleurot, [F.?], 1894-1895
Box 86 of 192	Folder 12 Folin, Marquis de, 1894
Box 86 of 192	Folder 13 Furey, G. W., 1894-1899
Box 86 of 192	Folder 14 Garbett, E. L., 1890-1896
Box 86 of 192	Folder 15 Gavarynski, Napoleon, 1892
Box 86 of 192	Folder 16 "Geo." See series 5.
Box 86 of 192	Folder 17 Gerland, Ernest, 1894
Box 86 of 192	Folder 18 Hebert, Louis George, 1895
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Box 86 of 192	Folder 20 Henri, Champier, 1893-1896
Box 86 of 192	Folder 21 Heriot, T. H. P., 1893-1896
Box 86 of 192	Folder 22 Herrera, Alfonso L., 1893-1900
Box 86 of 192	Folder 23 Heysinger, Isaac W., 1894-1895
Box 86 of 192	Folder 24 Hoffmann, Eugene, 1893-1895
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Box 87 of 192	Folder 11 Joffre, Jules, 1894, 1897
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Box 87 of 192	Folder 13 Kassowitz, M., 1894-1895
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Box 87 of 192	Folder 16 Kijanizin, Tean, 1893-1895
Box 87 of 192	Folder 17 Kirk, Hyland C., 1893-1896
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Box 87 of 192	Folder 21 Kobylanski, Anton, 1894-1895
Box 87 of 192	Folder 22 Kraus, Herman T. C., 1893-1897
Box 87 of 192	Folder 23 Ladendorf, August, 1894-1895
Box 87 of 192	Folder 24 Lantier, E., 1884, 1889, 1894-1895
Box 87 of 192	Folder 25 Latham, Henry J., 1894-1896

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Box 87 of 192 Folder 27 LeDuc, A., 1890-1896
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Box 88 of 192 Folder 1 Leyst, Ernst, 1894
Box 88 of 192 Folder 2 Lipscomb, M. A., 1894-1895
Box 88 of 192 Folder 3 Loewy, A., 1894-1897
Box 88 of 192 Folder 4 Logan, David, 1894
Box 88 of 192 Folder 5 Loud, F. H., 1891
Box 88 of 192 Folder 6 Lummer, O., 1896-1897
Box 88 of 192 Folder 7 Luxmore, C. M., 1894-1896
Box 88 of 192 Folder 8 McAdie, Alexander, 1892-1897
Box 88 of 192 Folder 9 McCahey, Peter, 1890-1906
Box 88 of 192 Folder 10 Macdonald, William R., 1894-1897
Box 88 of 192 Folder 11 McLean, James, 1893
Box 88 of 192 Folder 12 McLennan, Evan, 1894-1896
Box 88 of 192 Folder 13 MacLeod, Mary E. V., 1894-1897
Box 88 of 192 Folder 14 Manson, Marsden, 1893-1894
Box 88 of 192 Folder 15 Marcuse, Adolf, 1894-1896
Box 88 of 192 Folder 16 Marsh, William S., 1893-1895
Box 88 of 192 Folder 17 Masters, E. J., 1893-1895, 1906
Box 88 of 192 Folder 18 Maxim, Hiram S., 1893-1895
Box 88 of 192 Folder 19 Meerlender, Charles, 1893-1895
Box 88 of 192 Folder 20 Meidinger, H., 1890-1895
Box 88 of 192 Folder 21 Meltzer, S. J., 1893

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Box 89 of 192 Folder 1 Mohn, H., 1892

Box 89 of 192 Folder 2 Moller, P. G., 1894-1895

Box 89 of 192 Folder 3 Morris, Charles, 1894-1895

Box 89 of 192 Folder 4 Nees, C., 1894-1898

Box 89 of 192 Folder 5 Ohmann, Otto, 1894-1895

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