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## Henry Stephens Washington Papers, 1890-1909

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## Collection Overview

<b>Repository:</b>	Smithsonian Institution Archives, Washington, D.C., <a href="mailto:osiaref@si.edu">osiaref@si.edu</a>
<b>Title:</b>	Henry Stephens Washington Papers
<b>Identifier:</b>	Accession 16-254
<b>Date:</b>	1890-1909
<b>Extent:</b>	1 cu. ft. (1 record storage box)
<b>Creator::</b>	Washington, Henry S. (Henry Stephens), 1867-1934
<b>Language:</b>	Language of Materials: English

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## Administrative Information

### Preferred Citation

Smithsonian Institution Archives, Accession 16-254, Henry Stephens Washington Papers

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## Descriptive Entry

This accession consists of the correspondence of Henry Stephens Washington, a noted geochemist, who, along with Whitman Cross, Joseph Paxson Iddings, and Louis V. Pirsson, created a system of normative nomenclature for the classification of igneous rocks, which became known as the CIPW Norm. Notable correspondents include James Furman Kemp and Nobel Peace Prize Laureate, Fridtjof Nansen. Materials include incoming and outgoing correspondence; a glass negative; and other related materials.

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## Names and Subject Terms

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

### Subjects:

- Geochemistry
- Mineralogical chemistry
- Minerals -- Nomenclature
- Minerologists
- Minerology
- Petrology

### Types of Materials:

- Glass negatives
- Manuscripts

Names:

Cross, Whitman, 1854-1949  
Iddings, Joseph Paxson, 1857-1920  
Kemp, James Furman, 1859-1926  
Nansen, Fridtjof, 1861-1930  
Pirsson, Louis V. (Louis Valentine), 1860-1919

## Container Listing

### Box 1

Box 1 of 1	Letter of Agreement, December 3, 1890
Box 1 of 1	G. Washington, Atlanta, Georgia, August 1892
Box 1 of 1	G. Washington, Bella Vista, Florida, December 13, 1892
Box 1 of 1	G. Washington, Bella Vista, Florida, January 1, 1893
Box 1 of 1	G. Washington, Bella Vista, Florida, January 15, 1893
Box 1 of 1	G. Washington, Bella Vista, Florida, January 29, 1893
Box 1 of 1	G. Washington, Bella Vista, Florida, March 10, 1893
Box 1 of 1	G. Washington, Bella Vista, Florida, May 7, 1893
Box 1 of 1	G. Washington, Bella Vista, Florida, July 3, 1893
Box 1 of 1	Travel Registration Document, Venice, Italy, July 1893
Box 1 of 1	Richard Norton, August 8, 1893
Box 1 of 1	S. R. Beckwith, East Orange, New Jersey, August 15, 1893
Box 1 of 1	Dr. A. Rohrig, Chemist, Leipzig, Germany, August 31, 1893
Box 1 of 1	G. Washington, Savannah, Georgia, December 19, 1893
Box 1 of 1	Dr. A. Rohrig, Chemist, Leipzig, Germany, August 10, 1894
Box 1 of 1	F. Livkel, Bonn, Germany, September 14, 1894
Box 1 of 1	F. Fouque, College de France, March 23, 1895
Box 1 of 1	F. Fouque, College de France, June 25, 1895
Box 1 of 1	F. Fouque, Paris, France, July 10, 1895
Box 1 of 1	F. W. Putnam, Peabody Museum, Harvard University, September 17, 1895
Box 1 of 1	F. Fouque, College de France, December 26, 1895
Box 1 of 1	J. P. Iddings, University of Chicago, January 3, 1896
Box 1 of 1	Unknown Author, Leipzig, Germany, January 26, 1896

Box 1 of 1 L. V. Pirsson, The Graduates Club, New Haven, Connecticut, February 22, 1896

Box 1 of 1 J. P. Iddings, University of Chicago, April 29, 1896

Box 1 of 1 L. V. Pirsson, Sheffield Scientific School (Yale), May 16, 1896

Box 1 of 1 S. L. Penfield, Catskill, New York, August 10, 1896

Box 1 of 1 Bryn Mawr College, October 2, 1896

Box 1 of 1 Hovey, American Museum of Natural History, New York, November 9, 1896

Box 1 of 1 L. V. Pirsson, Sheffield Scientific School (Yale), November 20, 1896

Box 1 of 1 L. V. Pirsson, Sheffield Scientific School (Yale), January 19, 1897

Box 1 of 1 L. V. Pirsson, Sheffield Scientific School (Yale), January 30, 1897

Box 1 of 1 F. Ferkel, Leipzig, Germany, February 10, 1897

Box 1 of 1 L. V. Pirsson, Sheffield Scientific School (Yale), February 16, 1897

Box 1 of 1 H. W. Turner, United States Geological Survey (USGS), March 1, 1897

Box 1 of 1 L. V. Pirsson, Sheffield Scientific School (Yale), March 3, 1897

Box 1 of 1 H. Rosenbusch, Bad Reichenhall, Germany, 1897

Box 1 of 1 J. P. Iddings, December 20, 1897

Box 1 of 1 S. Penfield, Cleveland, Ohio, December 31, 1897

Box 1 of 1 L. V. Pirsson, Sheffield Scientific School (Yale), January 4, 1898

Box 1 of 1 B. K. Emerson, January 15, 1898

Box 1 of 1 F. Leslie Ransome, USGS, January 15, 1898

Box 1 of 1 J. P. Iddings, January 16, 1898

Box 1 of 1 Whitman Cross, Washington, District of Columbia (D.C.), January 17, 1898

Box 1 of 1 F. Leslie Ransome, USGS, January 24, 1898

Box 1 of 1 J. J. H. Teale, London, January 26, 1898

Box 1 of 1 Fridtjof Nansen, February 5, 1898

Box 1 of 1 J. P. Iddings, February 6, 1898

Box 1 of 1 L. V. Pirsson, February 11, 1898

Box 1 of 1 Alfred Harker, St. John's College, Cambridge, England, February 20, 1898

Box 1 of 1 F. Leslie Ransome, USGS, April 9, 1898

Box 1 of 1 L. V. Pirrson, May 11, 1898

Box 1 of 1 J. P. Iddings, May 31, 1898

Box 1 of 1 Frank D. Adams, Montreal, June 7, 1898

Box 1 of 1 Fridtjof Nansen, June 11, 1898

Box 1 of 1 L. V. Pirrson, Sheffield Scientific School (Yale), June 27, 1898

Box 1 of 1 J. P. Iddings, July 9, 1898

Box 1 of 1 J. P. Iddings, August 3, 1898

Box 1 of 1 Henry A. Ward, Rochester, New York, Ward's Natural Science Establishment, August 24, 1898

Box 1 of 1 The Boston and Colorado Smelting Company, August 24, 1898

Box 1 of 1 W. O. Crosby, Massachusetts Institute of Technology (MIT), August 28, 1898

Box 1 of 1 Dr. Richard Lepsius, Darmstadt, Germany, September 1, 1898

Box 1 of 1 J. P. Iddings, November 3, 1898

Box 1 of 1 L. V. Pirrson, Sheffield Scientific School (Yale), November 22, 1898

Box 1 of 1 J. P. Iddings, November 26, 1898

Box 1 of 1 S. Dana, The American Journal of Science, November 28, 1898

Box 1 of 1 C. R. Van Hise, University of Wisconsin, November 29, 1898

Box 1 of 1 Alfred C. Lane, Michigan Geological Survey, November 30, 1898

Box 1 of 1 J. P. Iddings, December 1, 1898

Box 1 of 1 L. V. Pirrson, December 6, 1898

Box 1 of 1 L. V. Pirrson, December 21, 1898

Box 1 of 1 J. P. Iddings, January 8, 1899

Box 1 of 1 Charles Stein, King's College, November 1, 1899

Box 1 of 1 J. J. H. Teale, Geological Survey of England and Wales, December 12, 1899

Box 1 of 1                      Fridtjof Nansen, January 7, 1900

Box 1 of 1                      John D., January 9, 1900

Box 1 of 1                      Frank Adams, McGill University, February 10, 1900

Box 1 of 1                      J. F. Kemp, April 7, 1900

Box 1 of 1                      L. Monaco, November 23, 1900

Box 1 of 1                      George I. Finley, Columbia University, December 22, 1900

Box 1 of 1                      Alfred E. Barlow, Geological Survey of Canada, December 31, 1900

Box 1 of 1                      J. F. Kemp, Columbia University, January 9, 1901

Box 1 of 1                      J. F. Kemp, Columbia University, January 14, 1901

Box 1 of 1                      Alfred E. Barlow, Geological Survey of Canada, January 17, 1901

Box 1 of 1                      H. S. Washington to J. P. Iddings, January 18, 1901

Box 1 of 1                      H. S. Washington to J. P. Iddings, January 24, 1901

Box 1 of 1                      H. S. Washington to L. V. Pirrson, January 29, 1901

Box 1 of 1                      Alfred E. Barlow, Geological Survey of Canada, February 1, 1901

Box 1 of 1                      Frank D. Adams, McGill University, February 2, 1901

Box 1 of 1                      H. S. Washington to J. P. Iddings, February 10, 1901

Box 1 of 1                      Alfred E. Barlow, Geological Survey of Canada, February 14, 1901

Box 1 of 1                      Joseph Clark Hoppin, Bryn Mawr College, March 5, 1901

Box 1 of 1                      J. P. Iddings, March 8, 1901

Box 1 of 1                      H. S. Washington to Pirrson, Cross, and Iddings, March 9, 1901 (larger mylar)

Box 1 of 1                      Boston Museum of Fine Arts, April 1, 1901

Box 1 of 1                      Verlagsbuchhandlung Gebruder Borntraeger (Scientific Publisher), April 15, 1901

Box 1 of 1                      George W. Card, Geological Survey Branch, Department of Mines and Agriculture, Sydney, April 30, 1901

Box 1 of 1                      J. B. Card, May 7, 1901

Box 1 of 1                      H. S. J., May 12, 1901



Box 1 of 1 London, May 14, 1901

Box 1 of 1 J. F. Kemp, Columbia University, May 20, 1901

Box 1 of 1 C. R. Vantisse, University of Wisconsin, May 20, 1901

Box 1 of 1 John H. Wright, Harvard University, May 24, 1901

Box 1 of 1 J. F. Kemp, May 27, 1901

Box 1 of 1 Joseph Clark Hoppin, June 21, 1901

Box 1 of 1 Joseph Clark Hoppin, July 1, 1901

Box 1 of 1 Robert Lilly, July 8, 1901

Box 1 of 1 J. P. Iddings, August 2, 1901

Box 1 of 1 Ordonez, July 15, 1901

Box 1 of 1 J. D. Harrison, August 24, 1901

Box 1 of 1 J. L. Ransome, USGS, September 30, 1901

Box 1 of 1 J. B. Harrison, November 25, 1901

Box 1 of 1 H. Stanley Jevons, July 11, 1901

Box 1 of 1 J. D. Harrison, November 25, 1901

Box 1 of 1 H. Stanley Jevons, November 29, 1901

Box 1 of 1 L. Monaco, 1902

Box 1 of 1 J. D. Harrison, February 13, 1902

Box 1 of 1 J. P. Iddings, February 22, 1902

Box 1 of 1 Ralph Arnold, Stanford University, March 17, 1902

Box 1 of 1 Oliver Farrington, Field Museum, April 9, 1902

Box 1 of 1 H. S. Washington to Geheimath, April 12, 1902

Box 1 of 1 J. P. Iddings, April 16, 1902

Box 1 of 1 John H. Sears, Field Museum, April 25, 1902

Box 1 of 1 L. V. Pirrson, April 30, 1902

Box 1 of 1 J. F. Kemp, May 18, 1902

Box 1 of 1 George Finlay, May 23, 1902

Box 1 of 1 George Finlay, June 10, 1902

Box 1 of 1 George Finlay, July 5, 1902

Box 1 of 1 J. F. Kemp, September 30, 1902

Box 1 of 1 Whitman Cross, October 22, 1902

Box 1 of 1 George W. Card, November 3, 1902

Box 1 of 1 E. O. Hovey, November 17, 1902

Box 1 of 1 H. S. Washington to E. O. Hovey, November 24, 1902

Box 1 of 1 H. S. Washington to J. B. Card, December 8, 1902

Box 1 of 1 J. P. Iddings, December 10, 1902

Box 1 of 1 H. S. Washington to E. O. Hovey, December 13, 1902

Box 1 of 1 H. S. Washington to Professor H. L. Fairchild, December 17, 1902

Box 1 of 1 Ulysses Sherman Grant, Northwestern University, January 16, 1903

Box 1 of 1 Edward B. Matthews, January 24, 1903

Box 1 of 1 H. S. Washington to E. B. Matthews, January 24, 1903

Box 1 of 1 T. L. Walker, February 6, 1903

Box 1 of 1 W. T. Bayley, February 21, 1903

Box 1 of 1 John W. Evans, February 24, 1903

Box 1 of 1 George W. Card, February 26, 1903

Box 1 of 1 C. F. Goodrich, U. S. R. S. Minneapolis, April 8, 1903

Box 1 of 1 H. S. Washington to P. C. Warman, April 8, 1903

Box 1 of 1 H. S. Washington to "Colleagues," April 18, 1903

Box 1 of 1 P. C. Warman, USGS, May 7, 1903

Box 1 of 1 Charles Walcott, USGS, May 18, 1903

Box 1 of 1 Frank D. Adams, May 20, 1903

Box 1 of 1 H. S. Washington to P. C. Warman, June 5, 1903

Box 1 of 1 Frank D. Adams, June 10, 1903

Box 1 of 1 H. S. Washington to Frank D. Adams, June 17, 1903

Box 1 of 1 Alfred C. Lane, August 9, 1903

Box 1 of 1 C. L. Whittle, August 11, 1903

Box 1 of 1 H. Stanley Jevons, August 20, 1903

Box 1 of 1 W. W. H. Hobbs, August 27, 1903

Box 1 of 1 John E. Wolff, September 2, 1903

Box 1 of 1 J. C. Brenner, September 2, 1903

Box 1 of 1 George M. Mood, September 3, 1903

Box 1 of 1 George H. Kunz, September 9, 1903

Box 1 of 1 H. S. Washington to George H. Kunz, September 11, 1903

Box 1 of 1 George H. Kunz, September 12, 1903

Box 1 of 1 Frank D. Adams, September 17, 1903

Box 1 of 1 J. P. Iddings, October 1, 1903

Box 1 of 1 J. P. Iddings, October 15, 1903

Box 1 of 1 George D. Louderback, January 20, 1904

Box 1 of 1 H. S. Washington to George D. Louderback, January 31, 1904

Box 1 of 1 George D. Louderback, February 12, 1904

Box 1 of 1 J. P. Iddings, April 8, 1904

Box 1 of 1 W. G. Woolhough, April 13, 1904

Box 1 of 1 C. M. Washington, September 2, 1904

Box 1 of 1 H. S. Washington to the Agent-General for Victoria, September 4, 1904

Box 1 of 1 George W. Card, November 10, 1904

Box 1 of 1 John C. H. F., November 10, 1904

Box 1 of 1 L. V. Pirrson, February 1, 1905

Box 1 of 1 Bryn Mawr College, February 28, 1905

Box 1 of 1	L. V. Pirrson, March 11, 1905
Box 1 of 1	Salvador Calderon, July 8, 1905
Box 1 of 1	F. Zirkel, December 31, 1905
Box 1 of 1	L. V. Pirrson, January 12, 1906
Box 1 of 1	J. W. Clarke, USGS, January 17, 1906
Box 1 of 1	Salvador Calderon, February 25, 1906
Box 1 of 1	A. Dannenberg, March 16, 1906
Box 1 of 1	W. F. Hillebrand, March 20, 1906
Box 1 of 1	Museum D'Historie Naturelle, Mineralogie, March 26, 1906
Box 1 of 1	F. Zirkel, April 4, 1906
Box 1 of 1	Mineralogisches Institut der Universitat Frieberg i. B., April 10, 1906
Box 1 of 1	Ordonez, April 23, 1906
Box 1 of 1	A. Lucas, May 2, 1906
Box 1 of 1	Salvador Calderon, May 2, 1906
Box 1 of 1	J. B. Harrison, May 9, 1906
Box 1 of 1	F. Zirkel, June 5, 1906
Box 1 of 1	B. Von Aber, June 6, 1906
Box 1 of 1	Whitman Cross, June 16, 1906
Box 1 of 1	F. Zirkel, October 5, 1906
Box 1 of 1	The Royal Society, London, October 12, 1906
Box 1 of 1	Orville A. Derby, October 16, 1906
Box 1 of 1	Sam W. Reyburn, December 1, 1906
Box 1 of 1	B. F. Hall, February 25, 1909
Box 1 of 1	John Irving, undated
Box 1 of 1	George W. Card, undated
Box 1 of 1	Correspondence, undated

Box 1 of 1	J. F. Kemp, undated
Box 1 of 1	Martha Rose Washington, undated
Box 1 of 1	C. Waldstein, undated
Box 1 of 1	E. S. Dana, undated
Box 1 of 1	L. V. Pirsson, undated
Box 1 of 1	S. Lacroix, undated
Box 1 of 1	Henry Stephens Washington, Glass Plate Negative, undated