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JOSEPH PAXSON IDDINGS
(1857 - 1920)

NOTES, CORRESPONDENCE, PAPERS

1880 - 1919

(3.7 linear ft.)

Joseph Paxson Iddings was born in Baltimore, Maryland, in 1857. He received a Ph.B. (Bachelor of Philosophy) degree from Yale University's Sheffield Scientific School in 1877, and later studied at the University of Heidelberg, Germany. Iddings joined the staff of the USGS in 1880 and was involved in important early studies in the Eureka Mining District, Nevada, and Yellowstone National Park, Wyoming. He left the agency in 1892 to join the faculty of the newly established geology department at the University of Chicago, where he remained until 1908. During this period Iddings was an important contributor to the classic *Quantitative Classification of Igneous Rocks* by Whitman Cross, and later assisted Cross in mapping the San Cristobal quadrangle, Colorado for the USGS. He died in Montgomery County, Maryland, in 1920.

INVENTORY

By

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U.S. Geological Survey Field Records Collection
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Location of Field Notebooks: CS 12-5 through 7

**CORRESPONDENCE, GEOLOGIC STUDIES AND RECOLLECTIONS.
1880-1919.**

<u>Item Number</u>	<u>Description</u>
NO-07879	<p>Ten document boxes with 112 folders:</p> <ul style="list-style-type: none"> - Folder 1. Manuscript copy of Iddings' chapter, "Microscopical Petrography of the eruptive rocks," published in Geology of the Eureka district, Nevada by Arnold Hague (1892). USGS Monograph 22. - Folder 2. Rocks of the Grand Canyon of the Colorado. Notes, manuscripts: "Petrographical character of the lavas", "Grand Canon of the Colorado" [list and description of samples]; typed copy of part of text attributed to Charles D. Walcott, "Chuar Lava Butte." Published in, Fourteenth Annual Report of the U.S. Geological Survey... 1892-'93. Part II (1894), pp. 503-524. - Folder 3. Correspondence: Letters from Iddings to Whitman Cross. 1889-1897. 1889: June 27th - Bozeman, Montana. 1889: July 10 - Yellowstone National Park. 1889: August 8th - Yellowstone Lake, Y.N.P. 1889: September 8th - Republic Creek, Wyoming. 1889: September 22 - Clark's Fork River, Wyoming. Territory. 1890: March 7 - Heidelberg. 1890: March 23 - Naples. 1890: April 14 - Paris. 1890: Sept. 3 - Bear Gulch, Montana. 1890: Sept. 16 - Mill Creek, Montana (P.O. Address-Livingston-Montana) 1890: Oct. 9 - Mission Creek, Montana. 1893: Jan. 1 - from Chicago. 1893: Jan. 15, Feb. 5, Feb. 26, March 2, March 26, April 9, April 23, May 14, - University of Chicago. 1894: Jan. 26, Feb. 11, April 22, May 6, May 12, Sept. 8 - Univ. of Chicago 1894: Sept. 22 - Orange, N.J. 1897: February 5, February 15 - University of Chicago. - Folder 4. Letters to Whitman Cross, 1901: January 28, Feb. 17, Oct. 6, Nov. 9, Dec. 1, Dec. 9, Dec. 15. - Folder 5. Letters to Whitman Cross and others. 1902. Most letters are to Cross; one to Frank Adams, one to "My Dear Colleagues". Jan. 6, Feb. 16, Feb. 26, March 11, March 12, April 2, April 16, April 29, May 1, May 2, May 5, May 9, May 10, May 14, June 4, June 5, June 10, July 30, Oct. 9, Oct. 18, Nov. 9 (2), Dec. 20, Dec. 26, one undated. - Folder 6. Letters to and from Whitman Cross. 1903. Letters to Whitman Cross: Jan. 6, Jan. 11, Jan. 17, Feb. 2, Feb. 6, Feb. 15, Feb. 16, March 3, March 8, March 9, March 16, March 20, April 17, April 28,

- May 11, May 19, May 25 (2), June 18, July 28, Sept. 28, Nov. 3, Nov. 5.
 Letters from Whitman Cross: March 12, May 16, May 26, Nov. 21.
- Folder 7. Letters to and from Whitman Cross. 1904.
 Letters to Whitman Cross: May 5, May 6, Aug. 12, Nov. 21.
 Letters from Whitman Cross: Feb. 3, Feb. 20, May 9, July 19.
 - Folder 8. Letters to and from Whitman Cross. 1905.
 Letter to Whitman Cross: June 19.
 Letter from Whitman Cross: March 29.
 - Folder 9. Letters to and from Whitman Cross. 1906.
 Letters to Whitman Cross: Jan. 6, Feb. 20, June 2, June 23, June 28, Aug. 26,
 Oct. 30, Oct. 31, Nov. 3, Nov. 8.
 - Folder 10. Letters to Whitman Cross. 1907-1908.
 1907 - February 5. Includes discussion of conference with C. Van Hise on
 ideas of who to succeed C.D. Walcott as Director of the USGS.
 February 28. More discussion on new director.
 March 12, April 5, April 20, April 22, April 30, May 14, May 22, May 25,
 May 30, Nov. 3, Nov. 17, Nov. 26.
 - Folder 11. Letters to Whitman Cross and Louis Pirsson, 1911.
 - Folder 12. Letters to Whitman Cross, T.C. Chamberlin, and "Harry".
 - Folder 13. Miscellaneous sheets of correspondence: 2 sheets from letter to
 Whitman Cross; 1 sheet from letter to brother or sister.
 - Folder 14. Letters to George Becker from H. Rosenbusch and J.P. Iddings.
 Letters from H. Rosenbusch (in German) - 1886, 1889.
 Letter from J.P. Iddings - 1904.
 - Folder 15. Letters to Whitman Cross and to Virginia" and "Frank".
 Letters to Whitman Cross - 1919, 1920.
 Letters to Frank and Virginia (1 each) - 1920s.
 - Folder 16. Letters to George Merrill (Smithsonian Institution), 1882-1920.
 - Folder 17. Letters to Mrs. Merrill, and to "Dorothy" - 1916, 1918-1919.
 - Folder 18. Letters from Fred E. Wright, Geophysical Laboratory, Carnegie
 Institution of Washington - 1911, 1920.
 - Folder 19. Letters from Alfred La Croix (in French) - 31 March (?) (year?)
 - Folder 20. Letters regarding memorials/biography of Iddings - 1931-1933.
 Correspondents include Ernest Howe, Edward B. Matthews, Charles P.
 Berkey, Raymond Pearl.
 - Folder 21. "J.P.I. Notes and extracts on Structure. Mountain Building. Yale
 lectures? WC".
 - Folder 22. "Iddings' notes on Chamberlin's theories. For Yale lectures? WC".
 - Folder 23. Carbon copies of letters written June 27 - December 23, 1909. Trip
 to Asia, including fossil collecting and related topics. Correspondents include
 family members, as well as Charles D. Walcott, Louis Pirsson, Professor Judd,
 Dr. Douglas, Eliot Blackwelder, Dr. Warren D. Smith, T.C. Chamberlin, and
 Mr. Farnsworth.
 - Folder 24. East Indies. 1909-1910. Notes.
 - Folder 25. Letters from Iddings to Whitman Cross and Louis Pirsson
 during trip to Asia and South Pacific, 1909-1910.

- Folder 26. Letters from May 13, 1910 (Tokyo, Japan) to Oct. 16, 1910 (Cambridge, England). Copybook, pages 234-477.
- Folder 27. Letters written to various people during trip to Asia and the South Pacific, 1914. Correspondents include family members, Louis Pirsson, Whitman Cross.
- Folder 28. Letters written to various people during trip to Asia and the South Pacific, 1915. Correspondents include family members, Louis Pirsson, Whitman Cross.
- Folder 29. East Indies. 1914-1915. Correspondence copybooks 1, 3, 4.
- Folder 30. East Indies. 1914-1915. Correspondence copybooks 5-8.
- Folder 31. Notebook No. 1. 1914. Trip to South Pacific. Daily notes, map.
- Folder 32. Notebook No. 2. 1915. Trip to South Pacific. Daily notes.
- Folder 33. 1914-1915 Tour. Notes.
- Folder 34. Rock Collections made by Joseph P. Iddings, 1914-1915.
- Folder 35. 1909-1914. Notes on Petrography and Igneous Rocks of Japan, Philippines, and Dutch Indies; lists of specimens; notes of 1909-1910 trip. Letters from Edward W. Morley with chemical analyses and other miscellaneous comments, 1911-1914.
- Folder 36. Studies of South Sea Islands rocks - notes, analyses by E.W. Morley. 1914-1918.
- Folder 37. Reports on South Sea Islands. Written and typed.
- Folder 38. Society Islands – Leewards.
- Folder 39. Society Islands – Windwards.
- Folder 40. Notes on Philippine rocks. J.P. Iddings.
- Folder 41. Letters, drafts. "Petrographic Problems in the Pacific", 1916-1918.
- Folder 42. Miscellaneous photos en route, 1914-1915 trip.
- Folder 43. Photos in Java?
- Folder 44. Photos - New Zealand.
- Folder 45. Other photographs.
- Folder 46. Classification. First letters and essays, 1893 - Iddings, Pirsson, Cross, Williams.
- Folder 47. Classification of Igneous Rocks. Second paper and proposed scheme in 1893. L.V. Pirsson.
- Folder 48. Classification. "not sure where these belong. W.C. Jan. 1921" - sheets for revisions of scheme?
- Folder 49 Letters from Iddings to Cross, 1899 - Proposes committee to consider question of rock nomenclature.
- Folder 50. Letters on Classification, 1901.
- Folder 51. Letters on Classification scheme, 1901.
- Folder 52. Classification - comments on 2nd draft, 1901.
- Folder 53. Letters on the classification of Igneous Rocks. J.P. Iddings, Whitman Cross, 1901.
- Folder 54. Letters on the Classification of the Kinds of Igneous Rocks. Whitman Cross and L.V. Pirsson, 1901.
- Folder 55. J.P. Iddings. Letters in 1901 discussing the Classification of Igneous Rocks.

- Folder 56. Letters on the Classification of the Igneous Rocks. H.S. Washington in 1901. January-June.
- Folder 57. Letters on the Classification of Igneous Rocks. H.S. Washington. Nov.-Dec. 1901.
- Folder 58. Classification. Comments on Calculation and Nomenclature, 1902.
- Folder 59. Correspondence. H.S. Washington, 1905. From Spain, Italy, Corsica, Sardinia, other areas in Mediterranean.
- Folder 60. Letters. 1905. On Classification.
- Folder 61. Notes on Classification. No date.
- Folder 62. Classification - Tables.
- Folder 63. On the Classification and Nomenclature of Igneous Rocks. Part I. Introductory papers.
- Folder 64. Actual Mineral Composition of the Igneous Rocks. Iddings Draft, March 1902.
- Folder 65. Classification. Actual Mineral Composition. J.P.I.
- Folder 66. Classification. First draft of The Calculation of the Standard Mineral Composition, about March 1, 1902. First Draft by J.P.I.
- Folder 67. Calculation of the Standard Mineral Composition of Igneous Rocks. J.P. Iddings, 1902.
- Folder 68. Classification. A Chemico-mineralogical classification of igneous rocks. Draft with comments.
- Folder 69. A chemico-mineralogical classification of igneous rocks.
- Folder 70. A Chemico-Mineralogical Classification of Igneous Rocks/A Classification and nomenclature... 3rd Draft, considered at New Haven.
- Folder 71. Nomenclature of Igneous Rocks. 1st draft. H.S.W.
- Folder 72. Nomenclature. Draft 2 by H.S.W. Jan. 17, 1901.
- Folder 73. Nomenclature of Igneous Rocks, Washington. one copy undated; one copy "Draft 2, Jan. 17, 1901".
- Folder 74. Classification and nomenclature... "Last draft".
- Folder 75. Typed copy, Texture of Rocks and Nomenclature.
- Folder 76. Classification. Glossary. 1st draft, by H.S. Washington.
- Folder 77. Classification. Draft of "Epilogue" by L.V.P.
- Folder 78. Classification and nomenclature of Igneous Rocks by Cross, Iddings, Pirsson and Washington. 1902. Final draft, April 1902.
- Folder 79. Classification - Reviews and letters with comments - 1903-1904. "Quantitative Classification of Igneous Rocks".
- Folder 80. List - "Locality of Hungarian Andesites, etc." No date.
- Folder 81. Correspondence between Whitman Cross, Esper Larsen, and Albert Johannsen, 1931.
Letter from Esper Larsen – 1931.
Letter from Albert Johannsen – 1931.
- Folder 82. First draft. An early chapter from "The Autobiography of a Geologist". From letters written to his parents and family from Switzerland and Heidelberg, Germany in 1879-1880, at the age of 22-23. Includes two photographs, 2-1/4 x 3-3/4 each, of Harry Rosenbusch of the faculty of the Univ. of Heidelberg.

- Folders 83-92. Recollections. Written and typed versions of Iddings' recollections, that were edited and finished posthumously by Whitman Cross. Recollections cover Iddings' career and related activities, 1879-1919, in the United States and at various foreign locales. Includes indexes to notebooks and to some correspondence.
- Folder 93. Notes regarding Recollections manuscript.
- Folder 94. Recollections. "Edited by Whitman Cross; notes of the trip to Borneo etc."
- Folder 95. Typed copy - draft of part of Recollections.
- Folder 96. Typed letters and sections for Recollections.
- Folder 97. Recollections sections.
- Folder 98. Revision material.
- Folder 99. Miscellaneous sheet.
- Folder 100. "Memo on form or style of new part".
- Folder 101. Letters from Yale University Press, 1920.
- Folder 102. Letters from various people - memories of Iddings.
- Folder 103. Letters to Whitman Cross from Estelle (Iddings) and Frances Cleveland, 1920-1929. Estelle was Iddings' sister.
- Folder 104. Subordinate Rocks of a peculiar type associated with the andesites and basalts of Yellowstone National Park.
- Folder 105. Descriptive Geology of the Gallatin Mountains.
- Folder 106. Mount Holmes Bysmatholiths.
- Folder 107. Exceptional rocks of the Absaroka Range.
- Folder 108. Microscopical petrography of the dikes and flows in Absaroka Range, from Mt. Chittenden to Mountain Creek.
- Folder 109. Igneous rocks of the region of the Livingston sheet.
- Folder 110. Microscopical notes.
- Folder 111. The crystalline schists within Yellowstone National Park.
- Folder 112. Photographs (duplicates of some J.P. Iddings photos which are in Photo Library): scenic views, camp scenes.

Published as: U.S. Geological Survey. Monograph 20. 1892.

Published as: U.S. Geological Survey. Fourteenth annual report, 1892-1893. Part II. 1894.

Published as: U.S. Geological Survey. Geologic atlas of the United States. Folio 30. 1896.

Published as: University of Chicago Press. Quantitative Classification of Igneous Rocks. 1903.