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and Records Center

A Guide to the
Frazer Family
Papers, 1779– 1955, 1977- 1979

26 Cubic ft.

UPT50 F848

Prepared by

Steven A. Bank and J.M. Duffin

Under the direction of Terry Snyder

November 1991

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University of Pennsylvania

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PROVENANCE

Gift of Isabel Frazer and John Frazer, Jr. (A.B. 1947), surviving children of John Frazer, Sr. (B.S. 1903, A.M. 1904, Ph.D. 1907), March 6, 1991.

ARRANGEMENT

The Frazer Family Papers a collection documenting three generations of pedagogy in the field of chemistry at the University of Pennsylvania are arranged in five series. They include: the Persifor Frazer (1736-1792) papers, the Robert Frazer (1771-1821) papers, the John Fries Frazer (1812-1872) papers, the Persifor Frazer (1844-1909) papers, and the John Frazer (1882-1964) papers. The John Fries Frazer papers contain three small subseries which include student papers, professional papers, and miscellaneous papers. The Persifor Frazer (1844-1909) papers are arranged in three subseries which include correspondence, 1866, 1870-1909, general files, [1860]-1869, 1880-1908, books and pamphlets, 1870-1909. The correspondence is chronological by year and alphabetical there under. John Frazer's papers are arranged in five small subseries which include student papers, 1903-1907, professional papers, 1923-1935, personal papers, 1909-1955, scrapbooks, and printed materials, 1905-1935.

BIOGRAPHICAL NOTE

Persifor Frazer, 1736-1792

Persifor Frazer, the son of John and Mary Smith Frazer, was born on August 9, 1736 in Newtown Township, Pennsylvania. Frazer served as Captain of Company A, Fourth Pennsylvania Battalion and as Lieutenant Colonel of the Fifth Pennsylvania Line under Anthony Wayne. He was later appointed Brigadier General in the Pennsylvania State Militia. Frazer was an iron manufacturer and merchant. He married Mary Taylor on October 2, 1766. They had ten children: Sarah (1769-1841); Robert (1771-1821); Mary Anne (1774-1845), who married Jonathan Smith; Persifor (1776-1798); Martha (1778)¹; Mary (1780-1862), who married Joseph Smith; John (1781-1783); Martha (1783-1867), who married William Morris; Elizabeth (1786-1788); Elizabeth (1788-1857), who married Henry Myers. Persifor died on April 24, 1792.

Robert Frazer, 1771-1821

Robert Frazer, son of Persifor and Mary Taylor Frazer, was born on August 30, 1771 in Middletown, Pennsylvania. He entered the University of the State of Pennsylvania in 1786, receiving his A.B. in 1789 and semi-honorary A.M. in 1792. Upon receiving his A.B. from the University, Frazer studied law with Jared Ingersoll and later was admitted to the Philadelphia Court of Common Pleas in 1792. He served as a member of the House of Representatives in 1795 and as the District Attorney for Delaware County, Pennsylvania. He married first in 1798 to Mary Ball (1778-1798); second, in 1803 to Elizabeth Fries (1778-1815); and third, in 1818 to Alice Pennel Yarnell (1778-1830). Robert had six children by his second wife: John (1804-1805); Jacob Taylor (1806); Anne Fries (1807-1837), who married Dr. John Rhea Barton; Persifor (1809-1880), also known as Persifor, Sr.; John Fries (1812-1872); Mary Worrall (1814).

¹Children with single life dates died in infancy.

He also had one child by his third wife: Joseph Pennell (1818-1878). Robert died January 20, 1821

John Fries Frazer, 1812-1872

John Fries Frazer, the son of Robert and Elizabeth Fries Frazer, was born on July 8, 1812 in Philadelphia, Pennsylvania. He received his early education at Parrott's Military and Classical Institute. As a result, Frazer retained a love for the military throughout his life, and later served in the Philadelphia riots of 1844 with the First City Troop. He entered the University of Pennsylvania's Junior Class in 1828 and received his A.B. in 1830 and semi-honorary A.M. in 1833. Frazer studied under Alexander Dallas Bache, and after graduating, acted as lab assistant to Bache and Robert Hare, M.D. He was appointed Assistant in the Geological Survey of Pennsylvania under Henry D. Rogers in 1836. In 1837 Frazer resigned from survey work to study law under William M. Meredith, although in later years he never practiced law. From 1836 to 1844, Frazer held the position of Professor in the High School of Philadelphia (now Central High School). When Alexander D. Bache resigned from the University of Pennsylvania in 1844, it was Frazer who was chosen to fill his seat. Frazer was appointed Professor of Natural Philosophy and Chemistry at the University and was the first person specifically appointed to teach chemistry. He received an honorary Ph.D. in 1854 from the University of Lewisburg, now Bucknell, and in 1857 was awarded an LL.D. from Harvard University. From 1855 until 1868, Frazer served as the Vice-Provost of the University of Pennsylvania, and from 1859 to 1860 as acting Provost.

In addition to his long service with the University of Pennsylvania, Frazer was very active in the American Philosophical Society, the Academy of Natural Sciences, the National Academy of Science, and the Franklin Institute, editing the *Journal of the Franklin Institute* from 1850 to 1866. Ill health in 1856 forced a restorative sabbatical in Europe for four months and again in 1866 for eighteen months. Frazer married Charlotte Jeffers Cave (1815-1881), the daughter of

Thomas and Sarah Hollingsworth Cave in 1838. They had three children: Anne (b. 1839), who married Rev. Thomas Kittera Conrad; Sarah (b. 1841), who married Richard Lewis Ashhurst; Persifor (1844-1909), who was also known as Persifor, Jr. John Fries died suddenly on October 12, 1872 while giving a tour of the physical laboratory of the University on the day the new buildings in West Philadelphia were first opened to public inspection.

Persifor Frazer, 1844-1909

Persifor Frazer, the son of John Fries and Charlotte Jeffers Cave Frazer, was born on July 24, 1844 in Philadelphia, Pennsylvania. Frazer attended the school of St. Luke's Episcopal Church and then the classical school of Samuel Arthur. In 1858, he entered the University of Pennsylvania; he graduated in 1862 with an A.B. He was commissioned in the United States Coast Survey and assigned to a South Atlantic squadron under Dupont. At the beginning of the Civil War, he requested a leave of absence to serve in the First City Troop and fought in Gettysburg Campaign. In 1864, he served as acting ensign in the Mississippi squadron. Frazer received special commendation for the survey he took of the Charleston, S.C. harbor for preparation of the attack on Fort Wagner while under fire from Confederate boats. He was honorably discharged in 1865. That same year Frazer received his semi-honorary A.M. degree from the University of Pennsylvania.

At close of Civil War, Frazer studied six months in the laboratory of Booth and Garret in the study of practical chemistry. In May of 1866 until 1869, he attended the Royal Saxon School of Mines in Freiberg, Germany. Frazer passed with distinction in the examination on Mineralogy. He returned to the United States in 1869 and was appointed Assistant Geologist of Pennsylvania. As Assistant Geologist, he wrote the report on Mining and Mineralogy of Colorado and Wyoming. In 1870, Frazer was appointed Instructor in Natural History and Chemistry at the University of Pennsylvania. He was promoted to Assistant Professor in 1871 and to Professor of Chemistry in 1872, serving until 1874.

In addition to his tenure at the University, Frazer served as Assistant on the Second Geological Survey of Pennsylvania, 1874-1882. In 1889, he was appointed Professor of Chemistry of the Pennsylvania Horticultural Society. He filled the Chair of Chemistry at Franklin Institute from 1891 to 1893. He was a founding member of Society of American Geologists and of the *Franklin Institute Journal*. Frazer was the first foreigner to receive the Docteur és Science Naturelles from the University of France, which was awarded to him in 1882. He was also awarded the decoration of the Golden Palms of the Academy from the French Government in July 1890, for public instruction.

Very active professionally, Frazer's publications include: *Tables for the Determination of Minerals by the Physical Properties Ascertainable with the aid of a Few Field Instruments, Based on the System of Prof. Dr. Albin Weisbach*, 1891; *Biographical Catalogue of the Matriculates of the University of Pennsylvania, 1749-1893*, 1893; *Bibliotics, or Study of Documents*, 1894; *Cross Reference Catalogue of the Works of the Late E.D. Cope; Search for the Causes of Injuries to Vegetation in an Urban Villa Near a Large Industrial Establishment Together with a Bibliography on the Subject*, 1907. He was editor of the *Franklin Institute Journal*, 1881-1892. Some of the organizations and associations of which Frazer was a member include the American Philosophical Society, the Academy of Natural Sciences, the Society of American Geologists, the Military Order of the Loyal Legion, the General and Pennsylvania Society of Sons of the Revolution, the Society of the War of 1812, the Society of Colonial Wars of Pennsylvania, the British Association for the Advancement of Science, the New York Academy of Science, and the Reichsanstalt of Vienna. He served as the Secretary of the American Committee to the Congrès Géologique International in Berlin (1885), and as Vice President, representing the United States to the Congrès in London (1888) and in St. Petersburg (1897).

Frazer was internationally respected as an expert on handwriting. He devised a process for detecting forgeries through composite photography which led to closer study of handwriting. By powerful, microscopic viewing of handwriting, Frazer found that tremors or quivers appear uniformly throughout a person's handwriting. He linked these tremors or quivers to the nerve state of the penman. Therefore, by careful, microscopic examination, forgeries can be detected by matching these tremors from one example to another. He first published his findings in his work *Bibliotechs, or the Study of Documents* in 1894, which went through many later revisions. His discovery resulted in a demand for his expert opinion on handwriting. He gave testimony at several big trials, in particular the Molineaux murder case in New York and the Miers-Tilton case in Camden. In the latter case, Frazer would not swear to his belief in the existence of God and was thrown out as a reliable witness. Frazer filed suit and subsequently published his reaction in his "Expert Testimony: Its Uses and Abuses," in which Frazer attacked the attitudes of the judges on the bench to expert witnesses.

Persifor Frazer married Isabella Nevins Whelen, daughter of Edward Siddons Whelen of Philadelphia; they had four children: Charlotte (b. 1872) who entered the Catholic Society of the Sisters of the Assumption; Persifor Frazer, Jr. (b. 1874); Laurence (1878-1881); Dr. John Frazer (1882-1964). He died on April 7, 1909. On the day after his death, a bill was passed by the Pennsylvania State Senate which allowed agnostics to testify as competent witnesses on affirmation.

John Frazer, 1882-1964

John Frazer, son of Persifor and Isabella Nevins Whelen Frazer, was born on February 5, 1882 in Paris. He received his early education at Episcopal Academy in Philadelphia and at St. Paul's School in Concord New Hampshire, graduating in 1899. In 1899, Frazer entered the University of Pennsylvania receiving his B.S. in 1903, his A.M. in 1904, and his Ph.D. in 1907. His thesis was entitled "The Application of the Rotating Anode to Certain Electrolytic Separations, and An Investigation of the Electro-Deposition of Indium by the Rotating Anode." As a student at the University he participated in several clubs and fraternities including: Mask and Wig, Delta Psi, Sigma Xi, Phi Beta Kappa, St. Anthony, and Sphinx Senior Society.

In the Fall of 1904, Frazer joined teaching staff of the Chemical Department of the College of the University of Pennsylvania. He was appointed Assistant Professor of Chemistry in 1910. He was promoted in 1921 to the rank of Professor; he served as the Dean of the Towne School from 1912 to 1928. From 1922 to 1923 Frazer was the Exchange Professor of Applied Science to the French Universities of Grenoble, Lyon, Marseilles, Toulouse, Bordeaux, Strasbourg, Nancy, Paris, Sorbonne, Lille, Rennes, Conservatoire des Arts et Metiers, and the École de Physique et Chemie, Paris.

During World War I, Frazer served as a Captain in the Chemical Warfare Service, American Expeditionary Force; he was attached as Assistant Gas Officer in the First Army Corps, 78th and 6th Division in Argonne.

Dr. Frazer belonged to several organizations and professional societies. Some of these included the American Association for the Advancement of Science, the American Chemist Society, the Franklin Institute, the Historical Society of Pennsylvania, the Société de Chemie Industrielle, the Society of the War of 1812, the Pennsylvania Prison Society, the Military Order of the Loyal

Legion, the Society of Colonial Wars of Pennsylvania, and the Pennsylvania Society of the Sons of the Revolution.

He married Mary Foxley Tilghman (1886-1976, daughter of Oswald Tilghman, on June 9, 1915. Their children include: Tench, 1927-1990, John Jr., and Isabel. He died on June 7, 1964.

SCOPE AND CONTENT

The Frazer Family Papers span over 100 years of an American family. The collection provides insight into three generations of educators, all in the field of chemistry, at the University of Pennsylvania and contains the papers of Persifor Frazer, Robert Frazer, John Fries Frazer, Persifor Frazer, and John Frazer.

Persifor Frazer's papers, 1779-1780, are limited to a letter from John Jay enclosing an extract from the minutes of Congress indicating his nomination for the office of "Cloathier General;" a bond to Joseph Reed for thirty thousand pounds in order to execute his office as Commissary; a request for grain; and a memorial.

The papers for Robert Frazer, 1789-1814, consist of six diplomas and membership certificates. These include his A.B. degree, 1789 and his A.M. degree, 1792 both from the University of Pennsylvania; a certificate to admission to the Philadelphia Court of Common Pleas, 1792; a certificate to admission to the United States District Court (Middle Circuit, Philadelphia), 1800; and membership certificates to the Pennsylvania Society for the Promoting of the Abolition of Slavery, 1795 and the Academy of Natural Science, 1814.

The papers for John Fries Frazer, 1829-1871, are of greater scope. Included in this series are student notes, records, and activities, 1829-1830. As the first professor appointed to teach

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chemistry in the College, his professional papers include lecture notes on chemistry, [1840]-1848, geology, 1839-1848, mechanics, 1869, and topography, 1836. His research notes on his scientific interests including chemistry, geology, light, metallurgy, natural science, and steam engines are present. There are notes for other interests such as *Blackstone's Commentaries on Law*, literary quotations, and poetry. General correspondence, 1869, 1871 and some correspondence with his mentor, Alexander Dallas Bache, 1862-1867, is also included. Membership certificates, pamphlets and catalogs, 1830-1850, a receipt book, 1833-1834, minutes of a meeting of the Young Men Opposed to the Interference of Office Holders on Elections, 1834, and an estate inventory, 1885, finish out the series.

The bulk of the collection contains the Persifor Frazer papers, [1860]-1909. Correspondence, 1866-1909, covers a variety of topics related to Frazer's professional interests including: chemistry, minerals, anthracite coal, the Geological Survey, scientific apparatus, the Centennial, administrative and professional duties at the University of Pennsylvania, alumni efforts, and professional organizations. Some of the correspondents are Richard Lewis Ashhurst, Rachel L. Bodley, John Cadwalader, Edward Drinker Cope, James Dewight Dana, John Fulton, Joseph Smith Harris, Charles Custis Harrison, Alexander H. Holley, Joseph P. Kimball, George Augustus Koenig, J. Peter Lesley, Thomas McKean, William Metcalf, Silas Weir Mitchell, William Pepper, Bernhart Preu, Frederick Prime, Rossiter Worthington Raymond, Alfred Richard Cecil Selwyn, Stevens Institute of Technology, Herbert Welsh, Edward Siddons Whelen, James Nevins Whelen, and Henry Whelen. There is some personal correspondence scattered throughout largely related to family concerns, such as Anne Frazer's broken engagement in 1875 and his mother's illness and death in 1881. In addition there is also a file of correspondence on William Byrd Page. Letterpress books, 1870-1886, detail Frazer's professional and some personal activities.

Persifor Frazer's general files, [1860]-1869, 1880-1908, cover a wide range of topics. The professional activities and interests reflected in these files includes his involvement with the

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Academy of Natural Sciences, the American Association for the Advancement of Science, American Philosophical Society, Scientific Societies Conference, Congrès Géologique International, the Mexican mine tunnel enterprise, and his efforts to introduce German manufacturing processes to America. Frazer's activity as an expert handwriting analyzer is also well documented. Some personal interests included involvement with the First City Troop, the Pennsylvania Society of Sons of the Revolution, the Sons of the American Revolution, Franklin Chess Club, and the Philadelphia Fencing and Sparing Club. His papers reflect his personal interest in poetry (primarily romantic), religion and ethics, music, and sports. There is also a diary documenting his courtship of Isabella N. Whelen. A final subseries of books and pamphlets by Frazer and others finish out the collection.

John Frazer's papers, 1903-1955, deal primarily with his student days and his professional career, both at the University of Pennsylvania. His student papers, 1903-1907, consist of scrapbooks, printed ephemera, and notes on analytical chemistry, electro chemistry, industrial chemistry, organic chemistry, and physical chemistry. There are some laboratory notes and information on his Ph.D. and doctoral examination. His professional papers include his lecture notes on chemistry, 1923-1928, roll books, 1909-1928, laboratory notes, 1923-1934, and articles on his work with sulphur contents in plants. Correspondence and clippings offer insight into his work as well. His personal involvement with the Delta Alumni Association, 1942-1955 and the First City Troop, 1913-1915 can also be seen in the collection. Several annotated books and a large sampling of chemical instruments and apparatus complete the series.

A small group of oversized material, principally, diplomas membership certificates, and photographs are present for Robert Frazer, John Fries Frazer, Persifor Frazer, John Frazer, Thomas Cave and Richard Lewis Ashhurst. Academic robes for Persifor Frazer, John Frazer, Isabel Frazer, and John Frazer, Jr. round out the collection.

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INVENTORY

		PERSIFOR FRAZER, 17361780, Papers
Box 1	FF 1	Persifor Frazer: Miscellaneous, 1779780
		ROBERT FRAZER, 17741821, Papers
		Diploma and Membership Certificates
	FF 1	a: Academy of Natural Science Membership, 1814
	FF 1	a: Certificate of Admission to the U.S. District Court, Middle Circuit, Philadelphia, 1800
		JOHN FRIES FRAZER, 18121872, Papers
		Student Papers
		Student Notes
	FF 2	"Classical Scrap Book," 18291830
	FF 3	Mathematics, 18281829
	FF 4	Mathematics, Dr. Robert Adrain, 1830
	FF 5	Memoranda, 1829
	FF 6	Natural Philosophy, 1829
	FF 7	Natural Philosophy, Dr. Alexander D. Bache
	FF 8	Senior Essays, 1829

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JOHN FRIES FRAZER, 1812-1872, Papers (cont.)

Student Papers

- | | | |
|-------|-------|-------------------------------------|
| Box 1 | FF 9 | Student Record Reports, 1829-1830 |
| | | Student Activities |
| | FF 10 | Committee of the Senior Class, 1830 |

Professional Papers

Lecture Notes

- | | | |
|-------|-------|--|
| | FF 11 | Chemistry, [1840] |
| | FF 12 | Chemistry, 1841-1848 |
| | FF 13 | Chemistry and Metals, Vol. 2, 1842 |
| | FF 14 | Examination Question, Univ. of Pa., 1871 |
| | FF 15 | Geology, Franklin Institute, 1839-1840 |
| | FF 16 | Geology, Franklin Institute, 1840-1841 |
| | FF 17 | Geology, 1841-1848 |
| Box 2 | FF 1 | Geology, 1844 |
| | FF 2 | Mechanics, 1869 |
| | FF 3 | Mechanics, 1869 |
| | FF 4 | Miscellaneous |
| | FF 5 | Topography, 1836 |
| | | Notes |
| | FF 6 | Blackstone's Commentaries on Law |
| | FF 7 | Chemistry |

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JOHN FRIES FRAZER, 1812-1872, Papers (cont.)
Professional Papers
Notes

Box 2	FF 8	Chemistry
	FF 9	Chemistry, 1841
	FF 10	Chemistry and Geology, 1840s
	FF 11	Chemistry Laboratory, 1838
	FF 12	Geological Expedition
	FF 13	Geology
	FF 14	Light
	FF 15	Literary Quotations, 1832
	FF 16	Metallurgy of Iron by Karsten
	FF 17	Natural Science Quotations
Box 3	FF 1	Poems and Translations from Classics, 1831, 1834
	FF 2	Steam Engines
	FF 3	Tables, etc.
		Correspondence
	FF 4	1869, 1871
	FF 5	With Alexander Dallas Bache, 1862-1867
		Miscellaneous
		Estate of John Fries Frazer
	FF 6	Inventory and Account, 1885

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JOHN FRIES FRAZER, 1812-1872, Papers (cont.)
Miscellaneous

Box 3	FF 7	Membership Certificates, 1835-1869
		Pamphlets and Catalogues
	FF 7	Miscellaneous
	FF 8	Coastal Survey Report, 1830s
	FF 9	Coastal Survey Report, 1850
		Political Activity
	FF 10	Meeting of Young Opposed to the Interference of Office Holders in Elections, Minutes, 1834
	FF 11	Meeting of Young Men, Correspondence, 1833 1834
	FF 12	Receipt Book, 1833-1834
	FF 13	Photographic Wood Block Portrait

PERSIFOR FRAZER PAPERS
Correspondence Files

FF 14	1866
FF 15	1870
FF 16	1872
FF 17	1873
FF 18	1874
FF 19	1875
FF 20	1876

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PERSIFOR FRAZER PAPERS (cont.)
Correspondence Files

Box 3	FF 21	1877
	FF 22	1878
	FF 23	1879
	FF 24	1880, A-F
	FF 25	1880, G-Z
	FF 26	1881
	FF 27	1882
	FF 28	1883, A-H
	FF 29	1883, I-Z
Box 4	FF 1	1884, A
	FF 2	1884, B
	FF 3	1884, British Association for the Advancement of Science
	FF 4	1884, C-F
	FF 5	1884, G-K
	FF 6	1884, L-M
	FF 7	1884, N-P
	FF 8	1884, Pepper, William
	FF 9	1884, R-T

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PERSIFOR FRAZER PAPERS (cont.)
Correspondence Files

Box 4	FF 10	1884, U-Z
	FF 11	1884, Telegrams
	FF 12	1884, Miscellaneous
	FF 13	1885, A-E
	FF 14	1885, F-L
	FF 15	1885, M-P
	FF 16	1885, Q-Z
	FF 17	1886, A
	FF 18	1886, B
	FF 19	1886, C-E
	FF 20	1886, F
	FF 21	1886, G-H
	FF 22	1886, I-L
	FF 23	1886, M-O
	FF 24	1886, P
	FF 25	1886, Q-S
Box 5	FF 1	1886, T-Z
	FF 2	1886, Miscellaneous

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PERSIFOR FRAZER PAPERS (cont.)
Correspondence Files

Box 5	FF 3	1887, A-B
	FF 4	1887, C-E
	FF 5	1887, F-J
	FF 6	1887, K-O
	FF 7	1887, Page, William Byrd
	FF 8	1887, P-R
	FF 9	1887, S-T
	FF 10	1887, U-Z
	FF 11	1887, Miscellaneous
	FF 12	1888, A-D
	FF 13	1888, E-G
	FF 14	1888, H-L
	FF 15	1888, M-S
	FF 16	1888, T-Z
	FF 17	1889, A-B
	FF 18	1889, C-D
	FF 19	1889, E-G
	FF 20	1889, H-J

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PERSIFOR FRAZER PAPERS (cont.)
Correspondence Files

Box 5	FF 21	1889, K-O
Box 6	FF 1	1889, P-Q
	FF 2	1889, R-T
	FF 3	1889, U-Z
	FF 4	1890, A-F
	FF 5	1890, G-K
	FF 6	1890, L-M
	FF 7	1890, N-R
	FF 8	1890, S-Z
	FF 9	1891, A-E
	FF 10	1891, F-L
	FF 11	1891, M-O
	FF 12	1891, P-R
	FF 13	1891, S-Z
	FF 14	1892, A-E
	FF 15	1892, F-L
	FF 16	1892, M-S
	FF 17	1892, William Pepper

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PERSIFOR FRAZER PAPERS (cont.)
Correspondence Files

Box 7	FF 1	1892, T-Z
	FF 2	1892, Miscellaneous
	FF 3	1893, A-D
	FF 4	1893, E-J
	FF 5	1893, K-M
	FF 6	1893, N-Q
	FF 7	1893, R-S
	FF 8	1893, T-Z
	FF 9	1894, A-C
	FF 10	1894, D-F
	FF 11	1894, G-L
	FF 12	1894, M-R
	FF 13	1894, S-Z
	FF 14	1895, A-C
	FF 15	1895, D-F
	FF 16	1895, G-K
Box 8	FF 1	1895, L-M
	FF 2	1895, N-R

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PERSIFOR FRAZER PAPERS (cont.)
Correspondence Files

Box 8	FF 3	1895, S-Z
	FF 4	1896, A-B
	FF 5	1896, C-E
	FF 6	1896, F-G
	FF 7	1896, H-L
	FF 8	1896, M-P
	FF 9	1896, Q-T
	FF 10	1896, U-Z
	FF 11	1897
	FF 12	1898, A-E
	FF 13	1898, F-H
	FF 14	1898, I-Z
	FF 15	1899, A-B
	FF 16	1899, C-E
	FF 17	1899, F-G
Box 9	FF 1	1899, H-L
	FF 2	1899, M-P
	FF 3	1899, Q-S

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PERSIFOR FRAZER PAPERS (cont.)
Correspondence Files

Box 9	FF 4	1899, T-V
	FF 5	1899, W-Z
	FF 6	1900, A-D
	FF 7	1900, E-K
	FF 8	1900, L-O
	FF 9	1900, P-R
	FF 10	1900, S-Z
	FF 11	1901, A-C
	FF 12	1901, D-F
	FF 13	1901, G-M
	FF 14	1901, N-S
	FF 15	1901, T-Z
	FF 16	1902, A-B
	FF 17	1902, C-E
Box 10	FF 1	1902, F-G
	FF 2	1902, H-J
	FF 3	1902, K-L
	FF 4	1902, M-O

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PERSIFOR FRAZER PAPERS (cont.)
Correspondence Files

Box 10	FF 5	1902, P
	FF 6	1902, Q-R
	FF 7	1902, S-T
	FF 8	1902, U-Z
	FF 9	1903, A
	FF 10	1903, B-C
	FF 11	1903, D-F
	FF 12	1903, G-H
	FF 13	1903, I-K
	FF 14	1903, L-M
	FF 15	1903, N-Q
Box 11	FF 1	1903, R
	FF 2	1903, S
	FF 3	1903, T
	FF 4	1903, U-V
	FF 5	1903, W-Z
	FF 6	1904, A-B
	FF 7	1904, C-E

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PERSIFOR FRAZER PAPERS (cont.)
Correspondence Files

Box 11	FF 8	1904, F-G
	FF 9	1904, H-L
	FF 10	1904, M-O
	FF 11	1904, P-R
	FF 12	1904, S-T
	FF 13	1904, U-Z
	FF 14	1905, A-B
	FF 15	1905, C-E
	FF 16	1905, F-G
	FF 17	1905, H-L
	FF 18	1905, M-P
	FF 19	1905, Q-T
Box 12	FF 1	1905, U-Z
	FF 2	1906, A-C
	FF 3	1906, D-F
	FF 4	1906, G-K
	FF 5	1906, L
	FF 6	1906, M

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PERSIFOR FRAZER PAPERS (cont.)
Correspondence Files

Box 12	FF 7	1906, N-P
	FF 8	1906, Ra
	FF 9	1906, Re-S
	FF 10	1906, T
	FF 11	1906, U-Z
	FF 12	1906, Miscellaneous
	FF 13	1907, A-B
	FF 14	1907, C
	FF 15	1907, D
	FF 16	1907, F-G
	FF 17	1907, H-K
	FF 18	1907, L-M
	FF 19	1907, N-P
Box 13	FF 1	1907, R
	FF 2	1907, S
	FF 3	1907, T
	FF 4	1907, U-Z
	FF 5	1907, Miscellaneous

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PERSIFOR FRAZER PAPERS (cont.)

Correspondence Files

Box 13	FF 6	1908, A-B
	FF 7	1908, C-E
	FF 8	1908, F-G
	FF 9	1908, H-L
	FF 10	1908, M-P
	FF 11	1908, R-T
	FF 12	1908, U-Z
	FF 13	1909, A-Z
	FF 14	1909, Letters of Condolence
	FF 15	1909, Letters of Condolence
	FF 16	1909, Calling Cards at PF's Funeral

Letter Press Books

Box 14	FF 1	1870-1884
	FF 2	1872-1876, indexed
	FF 3	1876-1883
	FF 4	1882
	FF 5	1883-1886

General Files

Box 15	FF 1	Academy of Natural Sciences
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PERSIFOR FRAZER PAPERS (cont.)

General Files

Box 15	FF 2	American Association for the Advancement of Science, Meeting 1884
	FF 3	American Naturalist
	FF 4	American Philosophical Society
	FF 5	Bar Harbour, Maine
		Barbet Distilling Apparatus
	FF 6	A-B
	FF 7	C-Z, Miscellaneous
	FF 8	Biographical Sketches, Obituaries
		Book Solicitations
	FF 9	Academic and Scientific
	FF 10	Genealogical
		Books
	FF 11	Illustrations for Persifor Frazer's Descendants, Vol. 2
	FF 12	Letters Relating to 1894 Book
	FF 13	Newspaper Clippings of Reviews, etc., 1894-900
	FF 14	Charity Organizations
		Class of 1862
	FF 15	Class of 1862
	FF 16	Book Proofs

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PERSIFOR FRAZER PAPERS (cont.)

General Files

Box 15	FF 17	Clubs
	FF 18	Cope, Edward Drinker, Altercation
		Diaries, Journals
	FF 19	Diaries, journals (General)
	FF 20	Dr. Hayden's Corp, Wyoming, 1869
	FF 21	Dr. Hayden's Corp, Wyoming, 1869
	FF 22	Trip to Colorado, 1880
	FF 23	Dinner Invitations
	FF 24	Diplomas and Certificates, Copies of
	FF 25	Distribution Lists of Publications
	FF 26	Essays
	FF 27	Exhibitions and Expositions
	FF 28	Family, Children
	FF 29	Financial Material
	FF 30	First City Troop, Civil Action
	FF 31	Franklin Chess Club
	FF 32	Geological Societies
	FF 33	Geological Surveys

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PERSIFOR FRAZER PAPERS (cont.)

General Files

German Patents

Box 16	FF 1	A-M
	FF 2	P
	FF 3	R-Z
	FF 4	Specifications, etc.
	FF 5	Graphotypique
	FF 6	Handwriting
		Handwriting Testimony
	FF 7	1896, F. Basil Miles
	FF 8	April 1896
	FF 9	May 1896
	FF 10	May 1896, Joseph Holt Will
	FF 11	May 1896, Joseph Holt Will, Photographs
	FF 12	June 1896
	FF 13	September 1896
	FF 14	1897
	FF 15	1898
	FF 16	January-April 1899
	FF 17	April-September 1899

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PERSIFOR FRAZER PAPERS (cont.)

General Files

Handwriting Testimony

Box 16	FF 18	October-November 1899
	FF 19	December 1899-1903
	FF 20	Miscellaneous and No Date
		International Congress of Geologists
	FF 21	n.d.
	FF 22	1885
	FF 23	1886
	FF 24	1887
	FF 25	1888, January-June
Box 17	FF 1	1888, June-December
	FF 2	1897
	FF 3	American Committee, 1885-1887
		American Committee Report, 1886
	FF 4	A-D
	FF 5	E-H
	FF 6	I-O
	FF 7	P-T
	FF 8	Archeon Circular Replies

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PERSIFOR FRAZER PAPERS (cont.)

General Files

International Congress of Geologists

Box 17	FF 9	Geological Map of Europe, 1886
		Geological Map of Europe, Subscriptions
	FF 10	Geological Map of Europe, Subscriptions (General)
	FF 11	1886-1888
	FF 12	1890
	FF 13	1896-1897
	FF 14	1899
	FF 15	Miscellaneous Reports
	FF 16	Miscellaneous Reports
		Notes on Third Session, 1886
	FF 17	Notes on Third Session, 1886 (General)
	FF 18	Notes on Third Session, 1886 (General)
	FF 19	Administration
	FF 20	Jamestown Exposition, 1907
	FF 20	a: Membership Certificates, Student Record from
	FF 21	Memorials
		Mexican Tunnel Enterprise
	FF 22	n.d.

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PERSIFOR FRAZER PAPERS (cont.)

General Files

Mexican Tunnel Enterprise

Box 17	FF 23	January-May 1889
	FF 24	June 1889
	FF 25	July 1889
	FF 26	August 1889
	FF 27	September 1889
	FF 28	October 1889
	FF 29	November-December 1889
Box 18	FF 1	1890-1891
	FF 2	1899
	FF 3	1902-1903
	FF 4	Financial Statements, 1889
	FF 5	Miscellaneous
	FF 6	Receipts, 1889
	FF 7	Miscellaneous
		Music
	FF 8	Music (General)
	FF 9	"Ella" Plates
	FF 10	"Ella" Plates

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PERSIFOR FRAZER PAPERS (cont.)

General Files

Music

Box 18	FF 11	"Le Retour de Paris" Plates
	FF 12	"Le Retour de Paris" Plates
	FF 13	"Le Retour de Paris" Plates
	FF 14	"Le Retour de Paris" Plates
	FF 15	Naval Post, GAR
	FF 16	Pachucha, Mexico, Mining Operation, 1889
		Pennsylvania Society of Sons of the Revolution
	FF 17	Pennsylvania Society of Sons of the Revolution (General)
		4th of July Celebration, 1891
	FF 18	A-L
	FF 19	M-Z, Bills
	FF 20	clippings
	FF 21	Miscellaneous
	FF 22	Pepper, Edward
		Pennsylvania Fencing and Sparring Club
	FF 23	A-D
	FF 24	E-Z
	FF 25	General, 1861-1898

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PERSIFOR FRAZER PAPERS (cont.)

General Files

Box 18	FF 25	a: Photographs
	FF 26	Phrenological Character Study
	FF 27	Poetry, [1860]-1900
	FF 28	Poetry, [1860]-1900
	FF 29	Political Material
	FF 30	Postcards of Europe, [1906]
		Religion and Ethics
	FF 31	Religion and Ethics (General)
Box 19	FF 1	Newspaper Clippings
	FF 2	Scientific and Chemical Processes
	FF 3	Scientific Societies
		Scientific Societies Conference, 1895
	FF 4	A-G
	FF 5	H-Z
	FF 6	Invitations
	FF 7	Membership Lists
	FF 8	Society of Cincinnati
	FF 9	Society of Loyal Volunteers

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PERSIFOR FRAZER PAPERS (cont.)

General Files

Sons of the American Revolution and Sons of the
Revolution, Proposed Union

Box 19	FF 10	A-Z
	FF 11	1890-1892
	FF 12	1897
	FF 13	Sons of the American Revolution, Organization
	FF 14	Sons of the American Revolution, Organization
	FF 15	Sons of the American Revolution, Organization
		Sons of the American Revolution and Sons of the Revolution
	FF 16	Membership Applications
	FF 17	Publications
	FF 18	Sports
	FF 19	"Stray Thoughts"
	FF 20	Trip to Europe, 1908
	FF 21	University of Pennsylvania, Moore School Dedication
	FF 22	Whelen Family

JOHN FRAZER

Student Papers, Notes

Box 21	FF 1	Analytical Chemistry, 1903/1904
	FF 2	Analytical Chemistry I, 1906

Frazer Family Papers
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JOHN FRAZER (cont.)
Student Papers, Notes

Box 21	FF 3	Analytical Chemistry II
	FF 4	Chemistry, 1903
	FF 5	Chemistry, Quantitative Analysis
	FF 6	Electro Chemistry
	FF 7	Electro Chemistry
	FF 8	Electro Chemistry
	FF 9	Electro Chemistry, 1903
	FF 10	History of Chemistry
	FF 11	History of Chemistry, 1903/1904
	FF 12	Industrial Chemistry
	FF 13	Industrial Chemistry
	FF 14	Inorganic Chemistry
	FF 15	Inorganic Chemistry, 1903
	FF 16	Mineral Analysis, 1903
	FF 17	Organic Chemistry
	FF 18	Organic Chemistry, 1903
	FF 19	Physical Chemistry
	FF 20	Physical Chemistry Laboratory Notes, 1907

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JOHN FRAZER (cont.)

Student Papers, Notes

- Box 21 FF 21 Theories of Chemistry, 1904
- FF 22 Examination Questions for PhD and Doctoral Dissertation

Professional Papers, University Teaching
Lecture Notes

- FF 23 Courses in Chemistry, 1927
- FF 24 Chemistry I, 1923-1925
- Box 22 FF 1 Chemistry I, 1926
- FF 2 Chemistry I, 1928
- FF 3 Roll Books, 1909-1917
- FF 4 Roll Books, 1917-1928

Professional Papers, Scientific Work
Laboratory Notes

- FF 5 Laboratory Notes (General)
- FF 6 1903, 1928-1932
- FF 7 1932
- FF 8 1932
- FF 9 1933-1934
- Articles, "Sulfur Content in Plants"
- FF 10 Correspondence
- FF 11 Notes and Reference

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JOHN FRAZER (cont.)

Professional Papers, Exchange Professorship, 1920-1923

Box 22	FF 12	Arrangements
	FF 13	Article
	FF 14	Catalogues
	FF 15	Catalogues
	FF 16	Catalogues
	FF 17	Catalogues
		Correspondence
Box 23	FF 1	Correspondence (General)
	FF 2	Brunter, A.R.
	FF 3	re: Frazer vs. Galy
	FF 4	General
	FF 5	Kennelly, A.E.
	FF 6	Provost Penniman
	FF 7	Person
	FF 8	Smith, Edgar F.
	FF 9	Data for Report
		Lectures
	FF 10	B-F
	FF 11	G-L

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JOHN FRAZER (cont.)

- Professional Papers, Exchange Professorship, 1920-1923
- Box 23 FF 12 Newspaper Clippings
- FF 13 Pasteur Centennial
- FF 14 Universite de Nancy, Publications
- FF 16 a: Engineering Student Enrollment Chart
- Personal Papers, Clubs
- Delta Alumni Association
- Minutes
- FF 17 1942-1944
- FF 18 1945-1949
- FF 19 1950-1951
- FF 20 1952-1955
- FF 21 Centennial, 1949
- FF 22 50th Anniversary of John Frazer, 1949
- FF 23 Graham Wood Memorial, 1955
- Box 24 FF 1 Membership Lists, 1977-1979
- FF 2 Membership Lists, 1977-1979
- First City Troop
- FF 3 January-September 1913
- FF 4 October 1913-1915
- FF 5 Thursday Evening Soirees, Attendance Record, 1909

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JOHN FRAZER (cont.)

Personal Papers, Clubs

Box 24 FF 5 a: Membership Certificates

Photographs

FF 6 Pasteur Chemical Apparatus, Towne School, 1923

FF 7 Paul Sabatier and Edgar F. Smith, Golden Jubilee Meeting, 1926

FF 8 Miscellaneous

Scrapbooks

FF 9 Student Life, Saint Paul's School

FF 10 Student Life, University of Pennsylvania

Printed Material, Pamphlets

FF 11 Class of 1903, University of Pennsylvania

FF 12 Miscellaneous

FF 13 Saint Paul's School Alumni Association

FF 14 Edgar F. Smith

Chemical Instruments and Apparatus

Box 26 About 20 glass stirring rods of varying sizes

3 small glass jars with lids

2 long glass funnels

2 #50 beakers (1 Corning)

1 #150 "Pyrick Corning" beakers

JOHN FRAZER (cont.)

Chemical Instruments and Apparatus

Box 26

- 1 #125 "Pyrick Corning" flasks
- 2 #125 "Pyrick Corning" flasks (full cone)
- 2 #250 "Pyrick Corning" flasks (full cone)
- 1 #250 "Pyrick Corning" flasks with cork
- 1 50ml measuring tube
- 1 100ml measuring tube
- 2 glass dishes, 4.1cm deep, 8cm wide
- 8 test tubes, 2 of each size
- 11 petri dishes of varying sizes
- 5 petri dishes, some German made
- 5 small porcelain "Champion Silliman" crucibles with lids
- 1 porcelain crucible
- 1 medium sized porcelain "Champion Silliman" crucible
- 1 large porcelain "Champion Silliman" crucible
- 1 large hollow glass tube
- 2 bottles of Litmus paper, one blue and one red
- 2 ring stands, one wood and one metal

JOHN FRAZER (cont.)

Chemical Instruments and Apparatus

Box 26

- 1 metal base for bunsen burner
- 1 metal top for bunsen burner
- 2 metal rings with triangle holder, one with and one without guards
- 1 metal clamp for ring
- 1 nickel clamp scissors
- 2 65mm German watch glasses, imported by Arthur H. Thomas, Philadelphia
- 1 weighing watch crystal, 10.0025gm
- 2 metal clamps, opposite push form
- 2 brass tweezers
- 1 German-made plastic spoon
- 1 porcelain "Coors" stirrer
- 2 large wooden tooth picks
- 1 "White Rock" bottle open and bottle cap
- 1 small measuring spoon
- 1 10cm. metal ruler with leather case
- 1 long rubber tube
- 2 medium sized corks

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JOHN FRAZER (cont.)
Chemical Instruments and Apparatus

Box 26

5 rubber corks

2 plain corks

1 cork with date 13 May 1915 written on it

1 metal hook

2 boxes, "Carl Schleicher & Schüllblue resin filter paper, 9cm

2 boxes, "Edward P. Dolbey & Co., Phila." 4½in filter paper

1 box, "W. & R. Ralston, Lts." #42 filter paper

1 box, "A. H. Thomas Co." 70mm filter paper

2 boxes, "Edward P. Dolbey & Co., Phila." 3½in filter paper (with 1933 stamp on it)

2 boxes, "W. & R. Ralston, Lts." #42 9cm. filter paper

2 "Benson & Hedges" paper funnels

Office Materials

3 full signature stamps

2 impressions for full signature stamps

2 impressions for initial signature stamps

1 stamp with "Equation?"

1 metal stamp with return address

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JOHN FRIES FRAZER (cont.)
Membership Certificates

Oversize 2

Resolutions Passed by the Franklin Institute, 1872

PERSIFOR FRAZER
Diplomas

A.B., University of Pennsylvania, 1860

A.M., University of Pennsylvania, 1865

Docteur es Sciences Naturelles, Universite de France,
1883 (and 2 copies)

Membership Certificates and Miscellaneous

Academy of Natural Science, 1869

Affidavit of Birth, 1883

American Philosophical Society, 1872

Board of Examiners, International Electrical Exhibition,
1884

Deutschen Gesellschaft, 1877

Franklin Institute, 1873

Franklin Institute, 1881, Appointment as Professor of
Chemistry

General Society of the War of 1812, 1894

Historical Society of Pennsylvania, 1876

Honorable Discharge Certificate, 1865

Letter of Thanks, International Electrical Exhibition,
Franklin Institute, 1884

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PERSIFOR FRAZER(cont.)

Membership Certificates and Miscellaneous

Oversize 2

Military Order of the Loyal Legion, 1878

Officier de l'Instruction publique, Certificate, 1890

Pennsylvania Horticultural Society,

Philadelphia Naval Veteran Association, 1894

The John Scott Legacy Medal and Premium, 1905

Sons of the Revolution, 1892

Ledger record book of scientific exchanges, 1885/1892

Record book of a fraternity attendance and quotations

Box 27

Academic Gown worn while receiving the Doctor of Science in 1883 from the Université de France

JOHN FRAZER

Diplomas

Oversize 3

St. Paul School, 1896

B.S. in Ch., University of Pennsylvania, 1903

A.M., University of Pennsylvania, 1904

Ph.D., University of Pennsylvania, 1907

Membership Certificates and Miscellaneous

Certificate of Recommendation to France, 1923

First Troop Philadelphia City Cavalry, 1903

Homage Reconnaisant de L'Institut de Chemie Appliquée,
1923

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PERCIFOR FRASER

Box 20

Books

Frazer, Persifor. "Mémoire sur la Géologie de la Partie Sud-Est de la Pennsylvanie." Doctor of Natural Sciences Degree diss., Université de France, 1882 (published by Imprimerie Six-Horemans of Lille). Bound.

Frazer, Persifor. *Tables for the Determination of Minerals by Physical Properties Ascertainable With the Aid of a Few Field Instruments; Based on the System of Prof. Dr. Albin Weisbach.* Third Edition. Philadelphia: J. B. Lippincott Company, 1891. Leather cover. Annotated.

Frazer, Persifor. *A Manual of the Study of Documents to Establish the Individual Character of Handwriting and to Detect Fraud and Forgery Including Several New Methods of Research.* Philadelphia: J. B. Lippincott Company, 1894. First edition of Bibliotics. Annotated.

Frazer, Persifor. *Tables for the Determination of Minerals by Physical Properties Ascertainable With the Aid of a Few Field Instruments; Based on the System of Prof. Dr. Albin Weisbach.* Fourth Edition. Philadelphia: J. B. Lippincott Company, 1897.

Frazer, Persifor. *Des Faux en Écriture et de L'Écriture Méthode Scientifique Nouvelle D'Analyse et D'Examen.* Trans. L. Vossion and H. Bouët. Paris: Guillaumin et Cie, 1899.

Frazer, Persifor. *Bibliotics or the Study of Documents, Determination of the Individual Character of Handwriting and Detection of Fraud and Forgery, New Methods of Research.* Third Edition. Philadelphia: J. B. Lippincott, Company, 1901. Green cover. Annotated.

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PERCIFOR FRASER (cont.)
Books

Frazer, Persifor. *Bibliotics or the Study of Documents, Determination of the Individual Character of Handwriting and Detection of Fraud and Forgery, New Methods of Research*. Third Edition. Philadelphia: J. B. Lippincott, Company, 1901. Red cover with the words "Office Copy" written in ink. Annotated.

Frazer, Persifor. *Bibliotics or the Study of Documents, Determination of the Individual Character of Handwriting and Detection of Fraud and Forgery, New Methods of Research*. Third Edition. Philadelphia: J. B. Lippincott, Company, 1901. Green cover with dust jacket.

Frazer, Persifor. *Tables for the Determination of Minerals by Physical Properties Ascertainable With the Aid of a Few Field Instruments; Based on the Late System of Prof. Dr. Albin Weisbach*. Fifth Edition. Philadelphia: J. B. Lippincott Company, 1901. Leather cover.

Frazer, Persifor. *Some Wars in Science: Address before the Society of Colonial Wars in the Commonwealth of Pennsylvania*. Philadelphia: Society of Colonial Wars, 1904.

Frazer, Persifor. *Scientific Methods in the Study of Hand-Writing*. Philadelphia: The Franklin Institute, 1907.

Frazer, Persifor. *Search for the Causes of Injuries to Vegetation In an Urban Villa Near a Large Industrial Establishment Together with a Bibliography of the Subject*. N.p.: By the author, 1907. "Presented to the American Institute of Mining Engineers June 1906. . ." 2 copies. [This is article is about the McKean family residence "Fernhill" in Germantown and the Midvale Steel Works.]

Frazer, Persifor and Amos Peaslee Brown. *Tables for the Determination of Minerals by Physical Properties Ascertainable With the Aid of a Few Field Instruments; Based on the Late System of Prof. Dr. Albin Weisbach*. Fifth Edition. Philadelphia: J. B. Lippincott Company, 1910. Leather cover.

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PERCIFOR FRASER (cont.)
Journal Articles

Frazer, Persifor. "Notes on the Northern Black Hills of South Dakota." Reprint from *Transaction of the American Institute of Mining Engineers*, (n.d.).

Frazer, Persifor. "Essays and Pamphlets by Persifor Frazer, D.S.C." Volume 1, 1870-1883. Leather bound book of pamphlets.

Frazer, Persifor. "The Progress of Chemical Theory: Its Helps and Hindrances." Reprint from the *Journal of the Franklin Institute* (April- June 1891).

Frazer, Persifor. "A New Method for Judging the Authorship of Handwriting." Reprint from *Scientific American* (November 1901).

Frazer, Persifor. "Expert Testimony: Its Abuses and Uses." Reprint from *The American Law Register* (February 1902).

Frazer, Persifor. "Saint Augustine and Haeckel: Epitome of Haeckel's 'World Riddles.'" Reprint for the *American Geologist* 29 (June 1902). 2 copies.

Frazer, Persifor. "Rocks of Mount Desert Island, Maine." Reprint from the *Bulletin of the Geological Society of America* 16 (1904). 2 copies.

Frazer, Persifor. "Ernst Haeckel's Solution of the 'World Riddle.'" *The Open Court* 18 (January 1904).

Frazer, Persifor. "Concerning Soils, Germs, and Worms." Reprint from the *Journal of the Franklin Institute* (April 1904). 2 copies.

Frazer, Persifor. Review of *Les Révélations de L'Écriture d'après un Contrôle Scientifique*, by Alfred Binet. Reprint from *Science* 24 (October 1906): 431-38.

Frazer, Persifor. "A Recent Chapter in the Modernist Controversy: The History of the Wahrmond Incident." *The American Journal of Theology* 13 (April 1909).

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PERCIFOR FRASER (cont.)
Journal Articles

Frazer, Persifor. "Identification of Human Beings by the System of Alphonse Bertillon." *The Journal of the Franklin Institute* 167 (April 1909 and May 1909).

Books and Pamphlets

Binet, Alfred. *Les Révélations de L'Écriture d'après un Contrôle Scientifique*. Paris: Félix Alcan, Éditeur, 1906.

Eyre, Lincoln L., orator. *Philomathean Society of the University of Pennsylvania, Biennial Celebration*. Philadelphia: William F. Fell & Co., 1887. Presented by author to Frazer.

Lavay, Jermone B. *Disputed Handwriting; An Exhaustive, Valuable, and Comprehensive Work upon One of the Most Important Subjects of To-day; With Illustrations and Expositions for the Detection and Study of Forgery by Handwriting of All Kinds*. Chicago: Harvard Book Company, 1909. Annotated.

Mitchell, S. Weir. *Some Memoranda in Regard to William Harvey, M. D.* New York: n.p., 1907. Annotated and signed by the author.

Savarin, Brillat. *Physiologie Du Gout, Méditations de Gastronomie Transcendante*. Paris: Paulin Éditeur, 1846. Annotated.

Sayce, A. H., ed. *The First Book of Moses Called Genesis*. The Temple Bible. Philadelphia: J. B. Lippincott Co., 1901. Annotated.

Sayce, A. H., ed. *The Book of Job and the Book of Ruth*. The Temple Bible. Philadelphia: J. B. Lippincott Co., 1902. Annotated.

Wells, David A. *Familiar Science; of, the Scientific Explanation of the Principles of Natural and Physical Science, and Their Practical and Familiar Applications of the Employments and Necessities of Common Life*. Philadelphia: Childs and Peterson, 1856. Annotated.

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JOHN FRASER

Box 25

Books and Articles

Frazer, John. "S ulphur Content of Plants" *Plant Physiology*, 10 (July 1935).

Anschütz, R., editor. *Victor von Richter's Organic Chemistry or Chemistry of the Carbon Compounds*. Translated by Edgar F. Smith. Vol. 2. Third American Edition. Philadelphia: P. Blakiston's & Company, 1905.

Dana, Edward Salisbury. *A Text-Book of Mineralogy, with an Extended Treatise on Crystallography and Physical Mineralogy*. New York: John Wiley & Sons, 1900. Annotated.

Duncan, Robert Kennedy. *The New Knowledge: A Simple Exposition of the New Physics and the New Chemistry in Their Relation to the New Theory of Matter*. New York: A. S. Barnes & Company, 1906. Annotated.

Jones, Edward Groves and Robert Grier Stephens. *Outlines of Physiology*. Second Edition. Philadelphia: P. Blakiston's Son & Company, 1908. Annotated.

Prescott, Albert B. and Otis C. Johnson. *Qualitative Chemical Analysis: A Guide in Qualitative Work, with Data for Analytical Operations and Laboratory Methods in Inorganic Chemistry*. Sixth Edition. New York: DVan Nostrand Company, 1908.

Smith, Edgar F. *Elements of Chemistry*. Second Edition. Philadelphia: John C. Winston Company, 1909. Annotated.

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