

**Guide to the Massachusetts Institute of
Technology Department of Mining and Metallurgy
Student Laboratory Reports, 1899-1926
AC.0072**

Finding aid prepared by Joan Haas

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Summary Information

Repository	Massachusetts Institute of Technology. Institute Archives and Special Collections
Creator	Massachusetts Institute of Technology. Dept. of Mining and Metallurgy
Title	Massachusetts Institute of Technology, Department of Mining and Metallurgy student laboratory reports
Date [inclusive]	1899-1926
Extent	2.3 cubic feet (7 manuscript boxes)
Location	Materials are stored off-site. Advance notice is required for use.
Language	English

Citation

Massachusetts Institute of Technology, Department of Mining and Metallurgy Student Laboratory Reports, AC 72, box X. Massachusetts Institute of Technology, Institute Archives and Special Collections, Cambridge, Massachusetts.

Historical note

The Department of Mining Engineering and Metallurgy began in 1865 as the Department of Geology and Mining. In 1889, after a series of name changes and curriculum changes, the study of metallurgy was formally absorbed and the department became the Department of Mining Engineering and Metallurgy. As time passed, the name changed again several times and two distinct departments emerged: Geology and Metallurgy. The most recent change came in 1975 when the Department of Metallurgy and Materials Science became the Department of Materials Science and Engineering (Course III).

Scope and Contents of the Collection

The collection contains volumes of laboratory instructions including diagrams, data sheets, and tabulated results of student laboratory experiments conducted at the Massachusetts Institute of Technology during the period 1899 to 1926.

The instructing staff of the Department of Mining and Metallurgy teaching the classes represented in this collection include Edward E. Bugbee (at MIT 1907-1937) and Rufus C. Reed (at MIT 1907-1944). Eight volumes of reports for their classes include results for Potassium Cyanide Percolation and Agitation Test, Barrel Chlorination Test, Plattner Chlorination Test, and Chloridizing Roast and Hyposulphite Lixiviation Test. Reports for Professor Hayward (at MIT 1906-1946) include experiments with Roasting Pyrite, Cupelling Lead and Desilverization of Base Bullion, Blast Furnace Smelt, Washoe Pan Amalgamation and Electro-Deposition of Copper. Laboratory reports for Professor Charles E. Locke (at MIT 1901-1937) include experiments on Concentration of a Lead Ore and Work with Magnets; Milling of a Gold Ore; Crushing Tests; Glass Table Run; Oil Flotation; Embrey Vanner Run on Canvas Table Concentrates; Crushing, Sizing and Hand Picking Tests. There is also a set of student laboratory tests for Professor Richard W. Lodge (at MIT 1889-1907).

Administrative Information

Publication Information

Massachusetts Institute of Technology. Institute Archives and Special Collections 1981

Revision Description

2010

Access note

The collection is open for research.

Intellectual Property Rights

Access to collections in the Institute Archives and Special Collections is not authorization to publish. Separate written application for permission to publish must be made to the Institute Archives.

Related Materials

Related Materials in the Institute Archives and Special Collections, Massachusetts Institute of Technology

Robert H. Richards papers (MC 116).

Department of Mining Engineering curricula (AC 214).

Controlled Access Headings

Corporate Name(s)

- Massachusetts Institute of Technology. Dept. of Mining and Metallurgy

Genre(s)

- Laboratory notebooks.

Personal Name(s)

- Bugbee, Edward Everett

- Hayward, Carle R. (Carle Reed), b.1880
- Locke, Charles E., 1874-
- Reed, Rufus C.

Subject(s)

- Massachusetts Institute of Technology--Curricula.
- Massachusetts Institute of Technology--History.
- Universities and colleges--Curricula.

Bibliography

Bever, Michael B. *Metallurgy and Materials Science and Engineering at MIT: 1865-1988*. Massachusetts Institute of Technology, 1988.

Shrock, Robert R. *Geology at M.I.T., 1865-1965: A History of the First Hundred Years of Geology at M.I.T.* Cambridge: MIT Press, 1977.

Collection Inventory

	Box
Laboratory tests for Professor Edward E. Bugbee and Instructor Rufus C. Reed, 5 volumes 1908-1912	1
Laboratory tests for Professor Bugbee and Instructor Reed, 3 volumes 1913-1915	2
Laboratory tests for Professor Carle R. Hayward, 3 volumes 1916-1919	2
Laboratory tests for Professor Hayward, 6 volumes 1919-1925	3
Laboratory tests for Professor Charles E. Locke and Professor Robert H. Richards, 1 volume 1913-1914	4
Laboratory tests for Professor Locke, 4 volumes 1914-1918	4
Laboratory tests for Professor Locke, 4 volumes 1918-1920	5
Laboratory tests for Professor Locke, 3 volumes 1921, 1923, 1924	6
Laboratory tests for Professor Locke, 2 volumes 1925-1926	7
Laboratory tests for Professor Richard W. Lodge, 1 volume 1899-1900, 1900-1901	7