

# Division of Mineralogy Archives

MINAR.000001



Daniel Jonathan Drew

2014

170 Whitney Avenue  
New Haven, CT 06511  
(203) 737-4695  
(203) 432-9816  
peabody.permissions@yale.edu  
<http://peabody.yale.edu/>

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## Collection Overview

**REPOSITORY:** Yale Peabody Museum of Natural History  
170 Whitney Avenue  
New Haven, CT 06511  
(203) 737-4695  
(203) 432-9816  
peabody.permissions@yale.edu  
<http://peabody.yale.edu/>

**CALL NUMBER:** MINAR.000001

**CREATOR:** Mineralogy Division

**TITLE:** Division of Mineralogy Archives

**DATES:** 1780-2018

**PHYSICAL DESCRIPTION:** 50 linear feet

**LANGUAGE:** In English.

**SUMMARY:** These are the miscellaneous archives associated with the Division of the Mineralogy.

**ONLINE FINDING AID:** To cite or bookmark this finding aid, please use the following link: <https://hdl.handle.net/10079/fa/ymp.minar.000001>

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## Administrative Information

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### Cite As

Division of Mineralogy Archives, Mineralogy & Meteoritics, Yale Peabody Museum

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## Biographical Sketch

The collections of the Division of Mineralogy can be traced to the 1802 appointment of Benjamin Silliman to Yale University's new professorship of chemistry and natural history. Silliman began to acquire material for Yale College at home and on his trip to England and Scotland in 1805 and 1806. The first significant addition was this material from Europe, the Perkins Cabinet, in 1807.

Between 1811 and 1812, Colonel George Gibbs of Newport shipped his mineral collection to Yale to be set up where it could be useful to science (it was ultimately purchased in 1825). The Gibbs Cabinet consisted of 2 large separate collections and several smaller ones purchased by Gibbs, as well as specimens collected by him during his travels.

One of the 2 larger collections, with over 4,000 specimens, was that of M. Gigot D'Orcy of France (who lost his head during the French Revolution). Several hundred of these specimens have been identified (the handwritten catalog is in the Yale University Library).

The other large collection, that of Count Grigorii Kyrillovitch Razumovskii (d. 1837), contains minerals of the Russian empire, Germany and Switzerland. Another smaller collection was acquired by Gibbs from

Jacques Louis, Comte de Bournon (d. 1825). Unfortunately, it has not been possible to identify positively which specimens came from these different subcollections of the Gibbs Cabinet.

In 1843, Yale purchased a collection of American minerals assembled by Baron Alois J.X. von Lederer, the Austrian Consul-General to the United States (d. 1842). This collection contained 3,000 specimens that Lederer collected himself or exchanged with the noted mineralogists and naturalists of the time. Many of these specimens have been identified by the labels used by Lederer.

With Silliman's retirement in 1853, James D. Dana inherited the curatorship. The collection was developed through the investigations and publications of Dana and Edward S. Dana, which formed the basis of *The System of Mineralogy* (now in its 7th edition, it remains a principal reference in the field; many 19th century mineralogists sent material to the Danas for inclusion in the System).

In 1866, the collection was included in the newly established Peabody Museum, and George J. Brush, Professor of Metallurgy and Mineralogy in Yale's Sheffield Scientific School, was subsequently appointed the first official curator of the Museum's mineral collection. Throughout his career Brush acquired specimens through personal collecting, purchase and exchange, and he built his collection specifically for research and reference purposes. After Brush was named Sheffield's first director in 1872, E.S. Dana became Curator. Meanwhile, Brush continued to develop his own collection. Samuel Penfield curated the Brush Collection after its donation to the Peabody in 1904; at his death in 1906 he was succeeded by William E. Ford.

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## Description of the Material

The archives of the Division of the Mineralogy include maps, field notebooks, correspondence and material associated with various staff and affiliates. Notably Jean-Baptiste-Francois Gigot d'Orcy, James Dwight Dana, Edward Salisbury Dana, Phil Orville, Horace Winchell and archives pertaining to George Jarvis Brush's mineralogical collection and library,

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## Collection Contents

### Series I: Brush Mineralogical Library

Annotated books, journals, etc associated with the Brush Mineralogical Library from the Sheffield Scientific School.

George Jarvis Brush. Annotated books donated by G.J. Brush.  
000007

George Jarvis Brush. Friedrich Mohs, 1820, Die Charaktere der Klassen, Ordnungen, 1820  
Geschlechter und Arten, oder die Charakteristik des naturhistorischen Mineral-  
Systemes. In der Arnoldischen Buchhandlung, Dresden, 100 pp. Located in Vault.  
000113

George Jarvis Brush. Kopp, Hermann. XXI Kupfertafeln zu der Einleitung in die 1854  
Krystallographie. There are figures cut out from the book.  
000008

George Jarvis Brush. Probirkunst. Fritzsche. 1855  
000017

George Jarvis Brush. Jameson, R. 1817. Treatise on the External Chemical and 1856  
Physical Characters of Minerals. Annotated.  
000010

George Jarvis Brush. Blum, J.R. 1879. Die Pseudomorphosen des Mineralreichs. 1879  
Annotated.  
000013

George Jarvis Brush. Dana, J.D. 1850. System of Mineralogy. Annotated. 22 Jul 1854  
000009

George Jarvis Brush. Blum, J.R. 1843. Die Pseudomorphosen Mineralreichs.  
Annotated.  
000011

George Jarvis Brush. Winkler, G.G. 1855. Die Pseudomorphosen des Mineralreiches.  
Annotated.  
000012

George Jarvis Brush. Delesse, M. 1859. Recherches Sur Les Pseudomorphosen.  
Annotated.  
000014

George Jarvis Brush. Probierkunst. Freiberg.  
000015

George Jarvis Brush. Miscellaneous. I & II. No legible title.  
000016

George Jarvis Brush. Delametherie, J.C. 1812. Lecons de Mineralogie. Annotated.  
000018

Horace Winchell.  
000030

000030 Horace Winchell. (continued)

Horace Winchell. Scrapbook containing pictures of Prof. Pirsson's travels in Russia and Norway, 1897.  
000031

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Miscellaneous.  
000023

Miscellaneous. Larsen, E.S. & H. Berman. 1934. The Microscopic Determination of the Nonopaque Minerals. 2nd Edition. Annotated.  
000024

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Othniel C. Marsh.  
000025

Othniel C. Marsh. Landgrebe, G. 1841. Ueber die Pseudomorphosen im Mineralreiche und verwandte Erscheinungen. Annotated.  
000026

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William E. Ford.  
000020

William E. Ford. Notes on Optical Mineralogy. Annotated.  
000019

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William E. Ford. Dana's Textbook of Mineralogy, 4th Edition. Annotated.  
000021

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William E. Ford. Part IV. Descriptive Mineralogy. 3rd Edition. Annotated.  
000022

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## **Series II: Maps**

### Maps

Library Atlas Folios. Library Atlas Folios, mostly North America.  
000108

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Miscellaneous. Miscellaneous.  
000110

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North America. Maps of various places in North America. Some have collecting sites marked on them.  
000103

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## **Series III: Field Notebooks**

Field Notebooks



**Series IV: Historical Instruments**

Historical Instruments associated with divisional affiliates.

James D. Dana Scientific Instruments. Hammer.  
000132

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James D. Dana Scientific Instruments. Compass.  
000133

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James D. Dana Scientific Instruments. Leather compass case.  
000134

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James D. Dana Scientific Instruments. Goniometer case.  
000137

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George J. Brush Scientific Instruments. Goniometers.  
000078

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George J. Brush Scientific Instruments. Goniometer case.  
000138

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Horace Winchell Scientific Instruments. Glass plates, purpose unknown.  
000085

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James D. Dana Scientific Instruments. Goniometer.  
000076

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Miscellaneous.  
000070

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Miscellaneous. Crystallographic Slide Rule. A Hutchinson. 1914.  
000071

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Miscellaneous. Goniometers  
000072

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Miscellaneous. Protractors and Manual from University of Chicago.  
000073

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Miscellaneous.  
000074

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Miscellaneous. Goniometers, possibly William Ford's.  
000075

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Miscellaneous. Axial angle apparatus.  
000079

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Miscellaneous. Goniometer vapor box.  
000080

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Miscellaneous. Compass  
000081

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Miscellaneous. Interference figure.  
000082

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000070 Miscellaneous. (continued)

Miscellaneous. Stereographi Protractors  
000083

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Miscellaneous. Polaroid Viewers  
000084

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Miscellaneous. Stereographic nets.  
000104

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Thomas glass plate crystal model of gypsum twin manufactured by F. Thomas of Siegen, Germany (19th century).  
000135

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Thomas glass plate crystal model of hexagonal trapezohedron over a 12-faced double pyramid manufactured by F. Thomas of Siegen, Germany (19th century).  
000136

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Samuel L. Penfield Scientific Instruments. Goniometers.  
000077

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## **Series V: Lantern Slides**

Lantern Slides. Miscellaneous Lantern Slides.  
000107.A

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Lantern Slides. Miscellaneous Lantern Slides.  
000107.B

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**Series VI: Miscellaneous**

Lab Notebooks.  
000063

Lab Notebooks. Lab notebook.  
000028

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Lab Notebooks. Lab notebook of William E. Ford.  
000064

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Lab Notebooks. Lab notebook of Samuel L. Penfield.  
000065

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Miscellaneous.  
000062

Miscellaneous. Sheffield Scientific School Laboratories historical records.  
000029

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Miscellaneous. Copies of miscellaneous pages of Brush & Dana, Fairfield County Minerals.  
000045

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Miscellaneous. Copies of miscellaneous pages of Penfield et al. Various pages.  
000046

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Miscellaneous. List of thin sections.  
000056

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Miscellaneous. List of specimens.  
000057

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Miscellaneous. Summary of the new mineral species described from the Yale Laboratories before 1900.  
000058

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Miscellaneous. Ford, W.E. Notes on Optical Mineralogy. Property of Carl O. Dunbar. Annotated.  
000066

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Miscellaneous. Microscope manuals  
000086

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Miscellaneous. Boron Nitride Sintered Shapes lab book.  
000087

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Miscellaneous. Miscellaneous mineral notes.  
000088

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Miscellaneous. Medium lubricating oil 30 ZE - Waverly Oil Works Pittsburg, PA  
000139

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Miscellaneous. Light lubricating oil 29 ZB - Waverly Oil Works Pittsburg, PA  
000140

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Miscellaneous. Medium lubricating oil 13 ZC - Waverly Oil Works Pittsburg, PA  
000141

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Miscellaneous. Medium lubricating oil 31 ZD - Waverly Oil Works Pittsburg, PA  
000142

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000062 Miscellaneous. (continued)

Miscellaneous. Heavy lubricating oil ZF - Waverly Oil Works Pittsburg, PA  
000143

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Miscellaneous. Lubricating oil 5 - Waverly Oil Works Pittsburg, PA  
000144

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Miscellaneous. Lubricating oil 15 - Waverly Oil Works Pittsburg, PA  
000145

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Miscellaneous. Lubricating oil 18 - Waverly Oil Works Pittsburg, PA  
000146

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Miscellaneous. Lubricating oil 23 - Waverly Oil Works Pittsburg, PA  
000147

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Miscellaneous. Lubricating oil 38 - Waverly Oil Works Pittsburg, PA  
000148

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Miscellaneous. Petroleum Reziduum Z-G - Paragon Refining Co., Toledo, Ohio  
000149

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Miscellaneous. Rare Earth Oxalates from Gilbert Material  
000150

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Miscellaneous. Yttrium Earth Oxalates Welsbach Co.  
000151

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Miscellaneous. Monazite Foote Mineral Co. McDonnell Co.  
000152

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Miscellaneous. Euxenite. Arendal, Norway  
000153

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Miscellaneous. Cerium and Manganese Oxalates (Roberts)  
000154

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Miscellaneous. Zircite Pulp; Foote Mineral Co. P.E.B. (Philip Embury Browning)  
000155

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Miscellaneous. Cyrtolite  
000156

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Miscellaneous. Zircon P.E.B. (Philip Embury Browning)  
000157

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Miscellaneous. Lanthanum oxide. Cornell University, Department of Chemistry  
000158

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Miscellaneous. Neodymium oxalate. Cornell University, Department of Chemistry  
000159

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**Series VII: Phil Orville**Field Notebooks.  
000033Field Notebooks.  
000034

Aug 1963

Field Notebooks.  
000036

Jul 1967

Field Notebooks.  
000035

Jun 1967

Field Notebooks.  
000037

Jun 1970

Field Notebooks.  
000040

Oct 1975

Field Notebooks.  
000041

Oct 1976

Field Notebooks.  
000038Field Notebooks.  
000039

## Series VIII: Edward S. Dana

Books.  
000111

A System of Mineralogy. A signed 1st edition of James D. Dana's A System of Mineralogy. located in vault. 1837  
000112

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Correspondence.  
000043

Krantz, Friedrich L.R. Letter and and 2 reprints.  
000044

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## **Series IX: Correspondence**

Walter Steiner Collection. Correspondence relating to the aquisition of Walter Steiner collection. 1942-1943  
000048

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## Series X: Miscellaneous Collections

Archives related to the aquisition, content, etc. of miscellaneous collections.

J, Reinhard Blum Collection. Archives related to the aquisition, content, etc. of the J. Reinhard Blum Collection.  
000051

J, Reinhard Blum Collection. Blum, J.L. 1847. Reprint donated by James D. Dana.  
000052

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J, Reinhard Blum Collection. Blum, J.L. 1843. Reprint donated by James D. Dana.  
000053

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J, Reinhard Blum Collection. Blum, J.L. 1863.  
000054

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J, Reinhard Blum Collection. Blum, J.L. 1879.  
000055

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J, Reinhard Blum Collection. Blum, J.L. Pseudomorphs original collection of Prof. R Blum. Notes. located in vault.  
000115

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J.D.Dana Taconic Suite Collection. Archives related to the J.D.Dana Taconic Suite Collection.  
000119

Record Book. Record Book for James D. Dana Taconic Suite collection. Located in vault.  
000120

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Pagani Collection. Archives related to the Pagani Collection.  
000160

Pagani Collection. Lab notebook from the Pagani Lab.  
000161

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Catalogs of the Gigot d'Orcy mineral collection.  
000162

Catalog 1 (first version) of the Gigot d'Orcy mineral collection  
000163

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Catalog 2 (second version) of the Gigot d'Orcy mineral collection  
000164

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**Series XI: George Jarvis Brush**

Archives related to George J. Brush.

Collection.  
000116

Accounts. Book of accounts for the brush Mineral Collection. Located in vault. 1947-1948  
000118

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Acquisition. Acquisition letters/documents. Located in vault. 1904  
000117

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Curators Report. Curators report of the Brush Collection from the Sheffield  
Scientific School. Located in vault.  
000114

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Miscellaneous. Newspaper clippings, notes, etc. relating to the aquisition of the Brush  
Library and Collection.  
000049

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Notebooks.  
000060

Notebooks. Lab notebook from Univerisity of Virginia. 1852.  
000061

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## **Series XII: Photographs, Prints, & Plates.**

Photographs & Prints. Photographs and prints of various mineralogists, collected by W.E. Ford.  
000068

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Plates - Kunzite. Framed color plates of Kunzite.  
000095

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Plates - Zepharovich, V.R. 1877. Zepharovich, V.R. 1877. Krystallographische Wandtafeln fur Vortrage uber Mineralogie.  
000069

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## Series XIII: Memorabilia

Divisional Memorabilia, including portraits, exhibit labels, etc.

Exhibit Labels. Labels for various collections, some framed.

000094

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Framed Correspondence. Miscellaneous framed correspondence.

000098

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Miscellaneous.

000092

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Miscellaneous. Verrill Medal

000093

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Miscellaneous. Framed compilations of mineralogist's signatures.

000099

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Miscellaneous. Slips of mineralogist's signatures.

000100

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Miscellaneous. Photographs of the Mineralogical Laboratory - Peabody Musum, 1876-1904.

000101

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Portraits.

000090

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Portraits. Harry Berman

000091

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Portraits. Hilary Bauerman

000096

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Portraits. Charles Palache

000097

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Portraits. Bertram B. Boltwood

000102

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## Series XIV: Horace Winchell

Amphiboles Nomenclature. Various papers, correspondence, etc. regarding Amphiboles nomenclature.  
000109.A

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Amphiboles Nomenclature. Various papers, correspondence, etc. regarding Amphiboles nomenclature.  
000109.B

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Amphiboles Nomenclature. Various papers, correspondence, etc. regarding Amphiboles nomenclature.  
000109.C

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.A

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.B

---

Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.C

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.D

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.E

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.F

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.G

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.H

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.I

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.J

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.K

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.L

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.M

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.N

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.O

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.P

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.Q

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.R

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.S

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.T

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.U

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.V

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.W

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Research Material. Various research material including stereographs, charts, references, figures, papers, etc.  
000106.X

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## Series XVI: Peabody Mineral Collection

Archives relating to general Peabody mineral collection.

Records. Record books relating to Peabody Collections.  
000123

Catalog of Records. Miscelanious loose leaf catalog records. located in vault.  
000125

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Gem Collection Register. Gem collection Register book. Located in vault. 1983-1997  
000126

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Williem E. Ford. Record book kept by William E. Ford of PM collections. Located in  
Vault.  
000124

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## Series XVII: Oral Histories

Oral Histories conducted with affiliates of the Yale Peabody Museum Division of Mineralogy.

Brian Skinner. Oral Histories conducted by Samantha Murphy and Stefan Nicolescu.  
000127

1.24.2014. Oral History with Brian Skinner conducted by Samantha Murphy and Stefan Nicolescu on 1.24.2014. (3 recordings),  
000128

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12.8.21014. Oral History with Brian Skinner conducted by Samantha Murphy and Stefan Nicolescu on 12.8.2014.  
000131

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2.28.2014. Oral History with Brian Skinner conducted by Samantha Murphy and Stefan Nicolescu on 2.28.2014,  
000129

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6.3.2014. Oral History with Brian Skinner conducted by Samantha Murphy and Stefan Nicolescu on 6.3.2014,(4 recordings)  
000130

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## **Selected Search Terms**

The following terms have been used to index the description of this collection. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

### **Genres / Formats**

Field notebooks  
Ledgers  
Maps  
Personal journals

### **Corporate Bodies**

Yale Peabody Museum  
Yale University