

Division of Mineralogy Archives

MINAR.000001



Daniel Jonathan Drew

2014

170 Whitney Avenue
New Haven, CT 06511
(203) 432-3746
(203) 432-9816
peabody.permissions@yale.edu
<http://peabody.yale.edu/>

Table of Contents

Collection Overview	3
Administrative Information	3
Cite As	3
Biographical Sketch	3
Description of the Material	4
Collection Contents	5
Series I: Brush Mineralogical Library	5
Series II: Maps	7
Series III: Field Notebooks	8
Series IV: Historical Instruments	9
Series V: Lantern Slides	11
Series VI: Miscellaneous	12
Series VII: Phil Orville	14
Series VIII: Edward S. Dana	15
Series IX: Correspondence	16
Series X: Miscellaneous Collections	17
Series XI: George Jarvis Brush	18
Series XII: Photographs, Prints, & Plates.	19
Series XIII: Memorabilia	20
Series XIV: Horace Winchell	21
Series XVI: Peabody Mineral Collection	23
Series XVII: Oral Histories	24
Selected Search Terms	25

Collection Overview

REPOSITORY: Yale Peabody Museum of Natural History
170 Whitney Avenue
New Haven, CT 06511
(203) 432-3746
(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>

Administrative Information

Cite As

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

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.

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,

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

Miscellaneous.
000023

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

Othniel C. Marsh.
000025

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

William E. Ford.
000020

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

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

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

Series II: Maps

Maps

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

Miscellaneous. Miscellaneous.
000110

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

Series III: Field Notebooks

Field Notebooks

Series IV: Historical Instruments

Historical Instruments associated with divisional affiliates.

James D. Dana Scientific Instruments. Hammer.
000132

James D. Dana Scientific Instruments. Compass.
000133

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

James D. Dana Scientific Instruments. Goniometer case.
000137

George J. Brush Scientific Instruments. Goniometers.
000078

George J. Brush Scientific Instruments. Goniometer case.
000138

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

James D. Dana Scientific Instruments. Goniometer.
000076

Miscellaneous.
000070

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

Miscellaneous. Goniometers
000072

Miscellaneous. Protractors and Manual from University of Chicago.
000073

Miscellaneous.
000074

Miscellaneous. Goniometers, possibly William Ford's.
000075

Miscellaneous. Axial angle apparatus.
000079

Miscellaneous. Goniometer vapor box.
000080

Miscellaneous. Compass
000081

Miscellaneous. Interference figure.
000082

000070 Miscellaneous. (continued)

Miscellaneous. Stereographi Protractors
000083

Miscellaneous. Polaroid Viewers
000084

Miscellaneous. Stereographic nets.
000104

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

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

Samuel L. Penfield Scientific Instruments. Goniometers.
000077

Series V: Lantern Slides

Lantern Slides. Miscellaneous Lantern Slides.
000107.A

Lantern Slides. Miscellaneous Lantern Slides.
000107.B

Series VI: Miscellaneous

Lab Notebooks.
000063

Lab Notebooks. Lab notebook.
000028

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

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

Miscellaneous.
000062

Miscellaneous. Sheffield Scientific School Laboratories historical records.
000029

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

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

Miscellaneous. List of thin sections.
000056

Miscellaneous. List of specimens.
000057

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

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

Miscellaneous. Microscope manuals
000086

Miscellaneous. Boron Nitride Sintered Shapes lab book.
000087

Miscellaneous. Miscellaneous mineral notes.
000088

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

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

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

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

000062 Miscellaneous. (continued)

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

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

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

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

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

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

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

Miscellaneous. Rare Earth Oxalates from Gilbert Material
000150

Miscellaneous. Yttrium Earth Oxalates Welsbach Co.
000151

Miscellaneous. Monazite Foote Mineral Co. McDonnell Co.
000152

Miscellaneous. Euxenite. Arendal, Norway
000153

Miscellaneous. Cerium and Manganese Oxalates (Roberts)
000154

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

Miscellaneous. Cyrtolite
000156

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

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

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

Series VII: Phil OrvilleField 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

Correspondence.
000043

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

Series IX: Correspondence

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

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

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

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

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

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

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

Pagani Collection. Archives related to the Pagani Collection.
000160

Pagani Collection. Lab notebook from the Pagani Lab.
000161

Catalogs of the Gigot d'Orcy mineral collection.
000162

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

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

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

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

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

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

Notebooks.
000060

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

Series XII: Photographs, Prints, & Plates.

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

Plates - Kunzite. Framed color plates of Kunzite.
000095

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

Series XIII: Memorabilia

Divisional Memorabilia, including portraits, exhibit labels, etc.

Exhibit Labels. Labels for various collections, some framed.

000094

Framed Correspondence. Miscellaneous framed correspondence.

000098

Miscellaneous.

000092

Miscellaneous. Verrill Medal

000093

Miscellaneous. Framed compilations of mineralogist's signatures.

000099

Miscellaneous. Slips of mineralogist's signatures.

000100

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

000101

Portraits.

000090

Portraits. Harry Berman

000091

Portraits. Hilary Bauerman

000096

Portraits. Charles Palache

000097

Portraits. Bertram B. Boltwood

000102

Series XIV: Horace Winchell

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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