

**Geophysical Laboratory Photograph Collection,  
1906-Present**



**Carnegie Institution of Washington  
Geophysical Laboratory Archives  
Washington, DC**

Finding aid written by:  
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# Geophysical Laboratory Photograph Collection, 1906-Present

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**GL-2004-04**

**Introduction**

*Abstract:* Image collection of the Carnegie Institution's Geophysical Laboratory field expeditions, staff, instruments, equipment, laboratories, and buildings.

*Extent:* 18 linear feet: 12 - 8x10 glass plate negative boxes; 3 - 5x7 glass plate negative boxes; 1 - 4x5 glass plate negative box; 5 - 5x7 negative boxes; 13 - print binder boxes; 2 - 11x15 flat boxes; 1 - 14x18 flat box

*Acquisition:* The records have been in the possession of the Geophysical Laboratory and its staff since their creation.

*Access Restrictions:* There are no access restrictions.

*Copyright:* Copyright is held by the Geophysical Laboratory, Carnegie Institution of Washington. For permission to reproduce or publish please contact the archivist.

*Preferred Citation:* Geophysical Laboratory Photograph Collection, Geophysical Laboratory, Carnegie Institution of Washington, Washington, D.C.

*Processing:* Processed by Jennifer Snyder, September 2004. All of the original boxes and sleeves were discarded during processing. Relevant notes were transcribed on the new archival enclosures. In some cases, notes on the enclosures were photocopied on to acid-free archival paper. A note was placed with the photograph or negative stating a copy of the enclosure exists. These copies are located in the collection's control file. Please see the GL archivist for access to this file.

This collection was processed through the generous support of the National Historical Publications and Records Commission.

**Historical Note**

Since its inception in 1905, the Geophysical Laboratory (GL) has been one of the world's foremost laboratories in the science of petrology, and it remains at the forefront of high-pressure and high-temperature research.

The Geophysical Laboratory Photograph Collection documents the history of the laboratory in images. The bulk of the photographs were taken during field expeditions between 1912 and 1937 (many of the most important expeditions are highlighted in H.S. Yoder, Jr.'s article "Scientific Highlights of the Geophysical Laboratory, 1905-1989").

**Scope and Content**

This collection contains over 5,000 images documenting the history of the Carnegie Institution's Geophysical Laboratory.

## **Arrangement**

This collection is arranged in five series:

Series 1: Field Photographs, 1912-1937, n.d.

Series 2: Staff, 1906-Present, n.d.

Series 3: Instruments, Equipment, and Laboratories, ca. 1909-1912, n.d.

Series 4: Buildings, 1907, ca. 1909, 1979, n.d.

Series 5: Miscellaneous, ca. 1914-1970s, n.d.

### **Series 1: Field Photographs, 1912-1937, n.d.**

The photographs and negatives in this series are arranged alphabetically by state and country. A hierarchical distinction was not made between U.S. states and foreign countries. Within geographic location, materials are arranged chronologically with unknown dates falling at the end. When known, the names of expedition leaders/researchers are given.

Notable highlights in this series are the glass plate negatives of Day and Shepherd's expedition to Kilauea, Hawaii in 1912; extensive documentation of Mount Katmai, Alaska taken in 1919 and 1923; visits to Yellowstone National Park in the late 1920s and early 1930s; evidence of E.G. Zies' work at Santiaguito and Santa Maria, Guatemala in the 1930s.

### **Series 2: Staff, 1906-Present, n.d.**

The photographs and negatives in this series are arranged by the staff member's last name. Images of groups are arranged chronologically. Of note is E.S. Shepherd's photograph album with pictures of early GL staff members. These photographs were taken in 1906 at the first Geophysical Lab quarters located in the United States Geological Survey (USGS) building on F Street, NW in Washington DC. Formal portraits and candid snapshots of the Lab's staff since its founding make up a significant body of the materials in this series.

### **Series 3: Instruments, Equipment, and Laboratories, ca. 1909-1912, n.d.**

The photographs and negatives in this series are arranged chronologically and depict laboratory interiors and scientific equipment.

### **Series 4: Buildings, 1907, ca. 1909, 1979, n.d.**

The photographs and negatives in this series are arranged chronologically. They are comprised mainly of shots of the Geophysical Laboratory's building on Upton Street, NW in Washington, DC.

### **Series 5: Miscellaneous, ca. 1914s-1970s, n.d.**

The photographs and negatives in this series are organized by subject/theme. The images in the Catalog Photographs folders were used in the CIW publication, *The Academic Catalog of the Carnegie Institution*. Many of the images are duplicated elsewhere, but many are unique to these folders; the photographs included in these folders are of staff, equipment, and facilities. Therefore, one should also look through the Catalog Photographs to find images that would otherwise be found in Series 1-4. The photographs and negatives which make-up the Publicity Photographs were given to GL in 1997 by CIW's publications office. They also include staff, equipment, and facilities. Of note in this series are the glass plate negatives showing World War I glass production at two U.S. factories.

## Folder Listing

### Series 1: Field Photographs, 1912-1937, n.d.

#### Alaska

Katmai: C.N. Fenner, 1919	P-1
Katmai: Henning, 1919	P-1
Katmai: Stone, 1919	P-2
Katmai: C. Yori, 1919 [captioned]	P-2
Kanatak; Katmai; Knife Peak (now Mount Griggs): C. Yori, 1923 [captioned]	P-2
Katmai, 1923	P-3 - P-5, MN-1 - MN-2
Valley of 10,000 Smokes; Kodiak Island; Fair Weather Range: Zies and C. Yori, n.d. [captioned]	P-6

#### California

Devil's Kitchen; Lassen, n.d.	SGP-1
Lassen, 1915	MGP-1
Lassen, 1915	LGP-3 – LGP-4
Lassen, 1928	GL Photo Drawer
Salmon Trinity Alps Primitive Area, n.d. [captioned]	P-6

#### Canada

Gaspé, Québec, 1936	MN-2
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#### Guatemala

Guatemala, 1931, 1935, n.d. [Postcards from El Salvador] [See related maps in Zies Papers]	P-7
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#### Hawaii

Kilauea, Hawaii, 1912	LGP-1 - LGP-2
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#### Japan

Japan, 1926	P-11
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#### Italy

Acicastello; Acireale; Aetna [Etna]; Vesuvius, 1912	LGP-2 - LGP-3
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#### United States, Other

Southwest United States, 1935	MN-3
Southwest United States, 1937	P-8, MN-4
Yellowstone National Park, 1928	P-9, MN-5
Yellowstone National Park, 1929	P-9, MN-5
Yellowstone National Park, 1930	P-9, MN-5
[Yellowstone National Park], 1934	P-10, MN-5
[Yellowstone National Park] Bore Hole Photographs: C.N. Fenner, n.d.	P-12

#### Unidentified Location

1922	P-11
1923	P-11
[1924]	P-11
1925 A	P-11
1925 B	P-11

## Box

1926 [Canyon]	<b>Box</b>
1927 [Dr. Day West]	P-11
C.N. Fenner, 1 December 1929	P-12
Unidentified A, n.d. [Probably Southwest U.S.]	P-12
Unidentified B, n.d. [Probably Southwest U.S.]	P-12
Unidentified C, n.d.	P-12
Unidentified D, n.d.	P-12
Miscellaneous A, n.d.	P-13
Miscellaneous B, n.d.	P-13
Miscellaneous 8x10, n.d.	P-13
Unidentified, n.d.	SGP-1
Unidentified, n.d.	MGP-2 - MGP-3
Unidentified, n.d.	LGP-5 – LGP-6
Unidentified, n.d.	Box 1, Folder 1

**Series 2: Staff, 1906-Present, n.d.**

\*Please see the GL Photo Database for a complete listing of individuals present in the collection.

Staff, 1913	GL Photo Drawer
Staff, 1919	GL Photo Drawer
Staff, 1920	GL Photo Drawer
Staff, 1920	Box 1, Folder 5
Staff, 1936	GL Photo Drawer
Staff, 1936	Box 1, Folder 6
Staff, 1939	GL Photo Drawer
Staff: Slides, 1950-1972	GL Photo Drawer
Staff, 1951/1952	GL Photo Drawer
Staff, ca. 1951	GL Photo Drawer
Staff, 1952	GL Photo Drawer
Staff, 1955	GL Photo Drawer
Staff (print collage), 1950s	Box 1, Folder 7
Staff, 1964	GL Photo Drawer
Staff, 1967	GL Photo Drawer
Staff, 1974	GL Photo Drawer
Staff, 1983	GL Photo Drawer
Staff, 1986	GL Photo Drawer
Staff, 1988	GL Photo Drawer
Staff, 1989	GL Photo Drawer
Staff, 1990	GL Photo Drawer
Staff, 1991	GL Photo Drawer
Staff, 1992	GL Photo Drawer
Staff, 1993	GL Photo Drawer
Staff, 1993	Box 2, Folder 2
Staff, 1994	GL Photo Drawer
Staff, 1995	GL Photo Drawer

Staff, 1995  
Staff, 1996  
Staff, 1997  
Staff, 1998

Staff: GL interns, 1998  
Staff: GL-DTM Interns, 1998  
Staff, Sept. 2000  
Staff, Nov. 2001  
Staff, Nov. 2003  
Staff, n.d.

GL Group Photographs, n.d.  
Seismological Conference in Pasadena, CA, Oct. 1929  
International Conference on the Physicochemical Principles of Magmatic Processes. In honor of Hatten S. Yoder, Jr., 16-22 June 1986  
Misasa Seminar on Evolutionary Processes of earth and Planetary Materials, Misasa, Japan, 1996

**Series 3: Instruments, Equipment, and Laboratories, ca. 1909-1912, n.d.**

Equipment and Laboratories, n.d. (3 folders)  
Laboratories, ca 1909-1912  
Laboratories, ca 1909-1912  
Laboratory, ca. 1909-1912 [**GLASS PLATE – FRAGILE!!**]  
Equipment, n.d. (3 folders)  
Laboratories and Apparatus, ca. 1909

Iridium Furnace  
Potentiometer

**Series 4: Buildings, 1907, ca. 1909, 1979, n.d.**

Geophysical Lab Buildings, 1907, 1979, n.d.  
Geophysical Lab Buildings: Negatives, n.d.  
Building Plans: Films, n.d.  
Building Exterior, ca. 1909  
Floor plans, ca. 1909

**Series 5: Miscellaneous, ca. 1914s-1970s, n.d.**

Catalog Photographs, ca. 1920s-1970s (2 folders)  
Publicity Photographs, 1962, 1967, 1973, 1979, n.d.

Miscellaneous, n.d.  
Bausch & Lomb Optical Co., [ca. 1914-1918]  
Spencer Lens Co., [ca. 1914-1918]

**Box**

Box 2, Folder 3  
Box 2, Folder 4  
GL Photo Drawer  
GL Photo Drawer,  
Box 2, Folder 5  
GL Photo Drawer  
Box 2, Folder 6  
GL Photo Drawer  
GL Photo Drawer  
GL Photo Drawer  
GL Photo Drawer  
GL Photo Drawer  
Box 1, Folder 8  
GL Photo Drawer  
  
Box 2, Folder 7

GL Photo Drawer  
LGP-5  
GL Photo Drawer  
Box 1, Folder 9  
GL Photo Drawer  
LGP-7 – LGP-8,  
MGP-3,  
Broken GP-2  
Broken GP-1  
Broken GP-1

GL Photo Drawer  
GL Photo Drawer  
GL Photo Drawer  
LGP-7  
LGP-7

GL Photo Drawer  
MN-4, GL Photo  
Drawer  
GL Photo Drawer  
LGP-9 – LGP-11  
LGP-11 – LGP-12,

Optics: SL 20  
Optics: SL 35  
WWI Glass Production, [ca. 1914-1918]

**Box**  
Broken GP-2  
Broken GP-1  
Broken GP-1  
P-12

### **Subject Terms**

#### Topics:

Geology—Field work  
Hot springs  
Laboratories  
Scientific apparatus and instruments  
Scientific expeditions  
Volcanoes

#### Occupation:

Geophysicists  
Scientists  
Seismologists

#### Geography:

Katmai, Mount (Alaska)  
Lassen Peak (Calif.)  
Gaspé (Québec)  
Guatemala  
Kilauea Volcano (Hawaii)  
Etna, Mount (Italy)  
Vesuvius (Italy)  
Yellowstone National Park

#### Corporate Names:

Carnegie Institution of Washington. Geophysical Laboratory.

#### Forms:

Photographs  
Photograph albums  
Negatives  
Slides (photographs)  
Transparencies

### **Bibliography**

Yoder, Jr., H.S. "Scientific Highlights of the Geophysical Laboratory, 1905-1989," *Annual Report of the Director of the Geophysical Laboratory, Carnegie Institution of Washington, 1988-1989*, Geophysical Laboratory, Washington, D.C., 144-197, 1989.



## **Related Collections**

A large collection of field photographs (spanning 1898-1955) assembled by late GL staff member Emanuel George Zies document volcanic eruptions and geological features in Hawaii, Alaska, California, Indonesia, Central America, Italy, Japan, and elsewhere. The images were donated in 1987 by GL to the Global Volcanism Program, Department of Mineral Sciences, National Museum of Natural History, Smithsonian Institution, Washington DC. A finding aid is available in the Geophysical Laboratory General Files, Series 3 Archives Files, Zies Collection.

N.L. Bowen Papers, 1907-1980, Geophysical Laboratory, Carnegie Institution of Washington, Washington D.C.

E.G. Zies Papers [unprocessed], Geophysical Laboratory, Carnegie Institution of Washington, Washington D.C.

Department of Terrestrial Magnetism Photograph Collection, Department of Terrestrial Magnetism, Carnegie Institution of Washington, Washington D.C.