



Guide to the Chester R. Longwell Professional Papers

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Summary Information

Repository:	University of Nevada, Las Vegas. University Libraries. Special Collections and Archives.
Creator:	Longwell, Chester R. (Chester Ray), 1887-1975
Title:	Chester R. Longwell Professional Papers
ID:	MS-00017
Date [inclusive]:	1886 to 1974
Date [bulk]:	1920 to 1960
Physical Description:	27.19 Cubic Feet (32 boxes and 25 flat files)
Physical Description:	67.81 Linear Feet
Language of the Material:	English
Abstract:	The Chester R. Longwell Professional Papers (1886-1974) document Longwell's professional career as a geologist and his pioneering field work in Clark County, Nevada. Included are Longwell's field notes; manuscripts, articles and speeches related to geology; personal and business correspondence; professional publications; subject and name files; specimen tags; photographic prints, negatives, and slides; and geological and topographical maps, primarily of Nevada, California, Arizona, and Utah.

Preferred Citation

Chester R. Longwell Professional Papers, 1886-1974. MS-00017. Special Collections and Archives, University Libraries, University of Nevada, Las Vegas. Las Vegas, Nevada.

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Biographical Note

Geologist Chester Ray Longwell was born on a farm in Ralls County, Missouri in 1887. He began his education in a one-room schoolhouse and later attended high school in Quincy, Illinois, where he graduated with honors in 1904. He attended the University of Missouri from 1912 to 1916, beginning his study of geology in his junior year. Graduating with a Bachelor of Science degree in 1915, Longwell completed his Master's degree the following year before heading to Yale University

to study structural geology. His doctoral education was interrupted by America's entry into World War One in 1917. During the war, Longwell served in the army as an artillery officer and saw combat in France.

After the war Longwell returned to Yale, where the subject of his doctoral dissertation was the geology of the Muddy Mountains of southern Nevada; this foray into southern Nevada would become much of his life's work. Awarded a Ph.D. in geology in 1920, Longwell was appointed to the faculty at Yale the same year; he also held an appointment as associate geologist for the United States Geological Survey.

From 1921 to 1928, Longwell did fieldwork throughout Clark County, Nevada, a challenging physical environment with few inhabitants. While in the field, he recorded the geology and data on vegetation and weather in field notes, drawings, and photographs. When not studying he wrote short stories set in the area.

Longwell enjoyed a long and distinguished career at Yale; among many other offices and honors, he served as president of the Geological Society of America from 1949 to 1950. After an early first marriage ended in divorce in 1931, Longwell married Irene Moffat in 1936; the couple had two daughters and a son. In 1956, Longwell retired from Yale and the couple moved to Palo Alto, California. Stanford welcomed him to its Earth Sciences faculty where he continued his geology research. Over his career Longwell wrote more than one hundred articles and books on geology, including the undergraduate text *Physical Geography*, co-authored with Richard Flint, which was the standard textbook used in introductory geology classes at colleges and universities for more than a decade. Longwell pursued his research well into retirement, delivering a lecture just before his sudden death on December 15, 1975 at the age of 88.

Source:

"Chester R. Longwell: In Memorium," *Biographical Memoirs, Volume 53* National Academy of Sciences of the United States of America, National Academy Press, Washington DC, 1982, pp. 248-263. Accessed September 20, 2019, <https://www.nap.edu/read/576/chapter/10>

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Scope and Contents Note

The Chester R. Longwell Professional Papers (1886-1974) document Longwell's professional career as a geologist and his pioneering field work in Clark County, Nevada. Included are Longwell's field notes; manuscripts, articles and speeches related to geology; personal and business correspondence; professional publications; subject and name files; specimen tags; photographic prints, negatives, and slides; and geological and topographical maps, primarily of Nevada, California, Arizona, and Utah.

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Arrangement

These materials are organized into ten series:

Series I. Geological field notes, 1919-1971;

Series II. Manuscript materials, 1917-1974;

Series III. Published articles, 1923-1973;

Series IV. Subject files, 1917-1972;

Series V. Name files, 1886-1974;

Series VI. Correspondence, 1920-1974;

Series VII. Rock specimen tags, 1921-1969;

Series VIII. Miscellaneous notes, correspondence, books, and certificates, 1914-1974;

Series IX. Photographic prints, negatives, slides, and glass plate negatives, 1900-1974;

Series X. Geographical and topographical maps, 1900-1974.

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Administrative Information

Access Note

Collection is open for research.

Publication Rights

Materials in this collection may be protected by copyrights and other rights. See [Reproductions and Use](#) on the UNLV Special Collections and Archives website for more information about reproductions and permissions to publish.

Acquisition Note

Materials were donated in 1975 by Irene Longwell; accession number T-17.

Processing Note

The collection was originally processed by Special Collections staff in 1976. In 2017, Joyce Moore revised and enhanced the collection description to bring it into compliance with current professional standards. In 2019, as part of an archival backlog elimination project, Melise Leech rehoued the materials and revised the collection description in ArchivesSpace to bring it into compliance with current professional standards.

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Related Materials

Separated Materials

Some photographs in this acquisition were removed from the collection and placed in Chester Longwell Photographs, 1917-1974. PH-00311. Special Collections and Archives, University Libraries, University of Nevada, Las Vegas. Las Vegas, Nevada.

Related Collections

The following resources may provide additional information related to the materials in this collection:

Geological Society of America, Cordilleran Section Records, 1974. MS-00112. Special Collections and Archives, University Libraries, University of Nevada, Las Vegas. Las Vegas, Nevada.

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Names and Subjects

- Geologists -- United States
- Geology -- Nevada -- Clark County
- Maps
- Correspondence
- photographs

Collection Inventory

Series I. Geological field notes, 1919 to 1971

Physical Description: 1.84 Cubic Feet (4 boxes)

Physical Description: 1.67 Linear Feet

Scope and Contents Note: The geological field notes series (1919-1971) consists of observations, sketches, and measurements taken by Chester Longwell on geological field trips, primarily in southern Nevada but also throughout the United States, the United Kingdom, South Africa, and Australia.

Arrangement: Materials are arranged chronologically.

Title/Description	Containers
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Arrow Canyon, St. Thomas Quadrangle, Nevada, 1919	box 01
Callville Trail, handwritten manuscript in the United States Geological Survey (USGS) notebook with miscellaneous notes, 1921	box 01
Chicago, Illinois: miscellaneous notes, 1922	box 01
Geological survey of the Spring Mountain range, Nevada, 1923	box 01
Williams Peak, Arizona, 1923 July 10	box 01
Johnnie Mine, Nevada, 1923 July 13	box 01
Old Road near Griffith's Resort, Nevada, 1923 August 01	box 01
Coal Spring, also known as Mason Spring, Nevada, 1923 August 14	box 01
In Wheeler Wash, Nevada, 1923 August 27	box 01
On the road to Lucky Strike Mine, Nevada, 1923 September 01	box 01
Spring Mountains; Muddy Mountains, Nevada, approximately 1924 June to 1924 August	box 01
Spring Mountains, Nevada, 1924	box 01
Notes on vegetation, 1924 June 24	box 01
Prospect Spring, Nevada, 1924 July 21	box 01
First outcrop on canyon west of Griffith's Camp, Nevada, 1924 August 03	box 01
Vegetation, 1924 August 03	box 01
Base of Cathedral Rock, Nevada, 1924 August 04	box 01
At Corn Creek, Nevada, 1924 August 06	box 01
In Lee Canyon, below McWilliams, Nevada, 1924 August 09	box 01
Griffith's Mine, Nevada, 1924 July 29	box 01
Between Clark's sawmill and spring, Nevada, 1924 August 13	box 01
Old Mill in Clark's Canyon, Nevada, 1924 August 14	box 01
On Lee Canyon Road, Nevada, 1924 August 17	box 01
Camped on a grade 19.5 miles from Las Vegas, Nevada, 1924 August 24	box 01
Ranges north of the Spring Mountains, Nevada, 1924 August	box 01
Fossil collection, 1924	box 01
Physical Description: 2 Files	
Notes on trips to Gary, Indiana; Utah; and California, 1925	box 02
Mormon Mountains, Ash Springs, Nevada, approximately 1925 August to 1925 September	box 02
In Kyle Canyon, Nevada, 1925 June 14	box 02
At Griffith's Resort, Nevada, 1925 June 15	box 02

Trip to California, 1925 June 25	box 02
North side of Las Vegas Valley, starting from Corn Creek, Nevada, 1925 July 04	box 02
At Williams' residence, "Lower Place," house, Nevada, 1925 July 09	box 02
Into Las Vegas, Nevada via Mountain Spring, out to Lee Canyon, 1925 July 20	box 02
Somewhere in the Spring Mountains, Nevada, 1925 July 30	box 02
Road to Cooper's Springs, Nevada, approximately 1925 July 31 to 1925 August 01	box 02
Physical Description: 2 Files	
Out of Indian Spring, Nevada to the southeast, 1925 August 06	box 02
Cold Creek to Willow Creek, Nevada, 1925 August 25	box 02
From top of Mahogany Peak, Nevada, 1925 August 21	box 02
Up west side of the Sheep Range, Nevada, 1925 September 08	box 02
Vegetation, approximately 1925 July to 1925 September	box 02
Weather record, approximately 1925 May to 1925 September	box 02
Miscellaneous notes, 1925	box 02
Written observations on fossils collected, 1925	box 02
South from Corn Creek, Nevada, 1926 February 26	box 02
On Cane Springs Road, Nevada, 1926 February 26	box 02
Buttes east of Indian Spring, Nevada, 1926 February 22	box 02
Northeast of Frenchman Flat, Nevada, 1926 February 26	box 02
Indian Springs valley, Nevada, 1926 March 03	box 02
Butte northeast of Indian Springs, Nevada, 1926 March 11	box 02
Northern part of Desert Range, Nevada, west side, 1926 March 15	box 02
West side of Pushwater Range, Nevada, 1926 March 26	box 02
South of Las Vegas, Nevada, north end of McCullough Range, 1926 April 01	box 02
General notes, 1926	box 02
Section of desert range, east-west, near south end, 1926	box 02
Frame-by-frame description of photos taken on field trip, 1926	box 02
Written observations on fossils collected, 1926	box 02
Section of Lee Canyon, Nevada quartzite, 1927 February 24	box 02
West-southwest from Indian Spring Ranch, Nevada, 1927 April 27	box 02

General notes, 1927	box 02
North of Frenchman Valley, Nevada, 1927 April 25	box 02
West side of Desert Range, Nevada, 1927 April 30	box 02
Along Cane Spring Road, Nevada, 1927 May 02	box 03
East front, Spotted Range, Nevada, 1927 May 11	box 03
Sheep Range and Corn Creek, Nevada, 1927 May 15	box 03
Frenchman Mountain, Nevada, near gypsum claims, 1927 May 23	box 03
Stratigraphy notes, 1927 June	box 03
West and southwest from Indian Springs, Nevada ranch, 1927 June 23	box 03
Going up Hayford Canyon, Nevada, 1927 July 01	box 03
Some corrections on description of Hidden Forest, Nevada fault block, 1927 July 03	box 03
Log of trip out of Hidden Forest, Nevada, 1927 July 03	box 03
Log going down from Hidden Forest, Nevada, 1927 July 04	box 03
Up Amargosa Road to Old Sterling Mine, Nevada, 1927 July 05	box 03
Grassy Spring, Nevada, 1927 July 07	box 03
Lucky Strike Wash, Nevada, 1927 July 08	box 03
South of Mormon Well, Nevada, 1927 July 13	box 03
Sectional thrust zone north and northeast of Griffith's Resort, 1927 July 20	box 03
Up Lee Canyon road, Nevada, 1927 July 24	box 03
Northwest from Lee Canyon, Nevada road, 1927 July 24	box 03
To 40-mile Canyon, Utah, 1927 August 03	box 03
To east of Wheeler Summit, Nevada, 1927 August 06	box 03
Going out of Wheeler Well, Nevada, 1927 August 09	box 03
East side of Pushwater Range, Nevada, 1927 August 16	box 03
East side of Desert Range, Nevada, 1927 August 16	box 03
Divide between Lee and Clark Canyons, Nevada, 1927 August 22	box 03
Notes on formations, 1927	box 03
Cambrian formations, 1927	box 03
Written observations on fossils collected, 1927	box 03
South of Indian Springs Ranch, Nevada, 1928 July 28	box 03
Griffith's Resort, Nevada, 1928 July 15	box 03
Hayford Canyon: Hidden Forest, Nevada, 1928 July	

box 03

Road northwest from Corn Creek, Nevada, 1928 July 28	box 03
An ordovician section at Alamo Summit, 1928 July 29	box 03
East side of desert range, south of Prospector Canyon, Nevada, 1928 July 31	box 03
On Sheep Bench, Nevada, 1928 August 01	box 03
Sloth locality, New Mexico, 1928	box 03
Low hills, on slope east of Pushwater Range, Nevada, 1928 August 01	box 03
Clay soils south of Las Vegas, Nevada, 1928 August 04	box 03
Morgan Basin, northwest of Gass Peak, Nevada, 1928 August 05	box 03
Notes on formations, 1928 August	box 03
Section across faulted Gass Peak, Nevada, 1928 August	box 03
Written observations of fossils collected, 1928	box 03
Monte Cristo formations, Spotted Range, Nevada, 1928	box 03
Journal of voyage to England, 1929 May	box 03
Journal of voyage from England to South Africa, approximately 1929 June to 1929 September	box 03
Charleston Peak, Nevada, 1938 July 24	box 04
Valley of Fire, Nevada vicinity, 1941 April 08	box 04
Muddy Mountains, Nevada notebook number 3, 1941	box 04
Glendale and Johnny mines notebook number 6, 1941 May 12	box 04
Muddy Mountains, Nevada vicinity, 1941 May 20	box 04
Notes on lecture tour, American Association of Petroleum Geologists (AAPG), 1945	box 04
Notes on Australia, 1960	box 04
Notes on Hawaii, 1960	box 04
Notes on Colorado trip, 1963	box 04
Notes around Callville Mesa, Nevada, 1966 November 28	box 04
Notes around Henderson, Nevada gypsum plant, 1969 February 20	box 04
Frenchman formation, Callville Bay, Nevada, 1971 October 27	box 04

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Series II. Manuscript materials, 1917 to 1974

Physical Description: 1.61 Cubic Feet (4 boxes)

Physical Description: 1.46 Linear Feet

Scope and Contents Note: The manuscript materials series (1917-1974) consists of Chester Longwell's handwritten and typed drafts of articles, speeches, and other written materials. The majority of the materials reference geological locations in southern Nevada, but also include articles on general geological topics, biographical memoirs, and several short fictional stories written by Longwell.

Arrangement: Materials are arranged alphabetically.

Title/Description	Containers
Geology of the Henderson Quadrangle: draft, approximately 1960 to 1969	box 05
The Age of Mother Earth: draft, approximately 1917 to 1974	box 06
Atomic Energy Commission (AEC) area, Nevada, approximately 1960 to 1969	box 06
Bird Springs stratigraphy, approximately 1917 to 1974	box 06
Boulder Canyon Project, miscellaneous notes, approximately 1930 to 1939	box 06
Bowl of Fire, Nevada, proposed Shell Oil Company well, 1956	box 06
Building of the Southern Rockies: draft, approximately 1920 to 1929	box 06
Chemehuivi clay, Davis Dam, Colorado River, 1949	box 06
Clark County, Nevada, geological sites, miscellaneous notes, approximately 1917 to 1974	box 06
Corrections for map of Clark County, approximately 1920 to 1929	box 06
Executive order consolidating Dixie National Forest, Utah, 1922	box 06
A comparative study in tectonics, approximately 1920 to 1929	box 06
Citation, an award to William Bowie, medal, approximately 1917 to 1974	box 06
Citation of D. M. S. Watson as Mary Clark Thompson medalist, 1941	box 06
"The Callville Trail" , approximately 1920 to 1929 Physical Description: 3 Files	box 06
Clarence Edward Dutton, 1841-1912: A Biographical Memoir: draft, 1958	box 06
Comparison of stratigraphic sections, Muddy Mountains, approximately 1917 to 1974	box 06
Continental Drift, a symposium, approximately 1950 to 1959	box 06
Distribution of Vegetation in a High Desert Range: draft, approximately 1920 to 1929	box 06
Drifting Continents: draft, approximately 1930 to 1939	box 06
Earth Science, its Scope, Terminology, and Progress: draft, approximately 1970	box 06
Faults, 1917	box 06
Frenchman Mountain stratigraphy, approximately 1917 to 1974	box 06

General description of gravity stations in central Connecticut and Massachusetts, approximately 1920 to 1929	box 07
Geological Exploration in the Basin Ranges of Nevada, approximately 1920 to 1929	box 07
Geological contrasts north and south of the Las Vegas shear zone, approximately 1960 to 1969	box 07
Geology of the Hoover Dam site, approximately 1918 to 1921	box 07
Geology of southern Nevada, approximately 1920 to 1929	box 07
Geology of the Bristol Quadrangle, 1917	box 07
Geology of the Charleston Mountain Range, Nevada, approximately 1920 to 1929	box 07
Geology of the Spring Mountain Range, Nevada, 1938	box 07
Geology of the Wellington Mine, Breckenridge, Summit County, Colorado, 1916	box 07
Geology within and adjoining Frenchman Mountain, approximately 1960	box 07
Geological contrasts north and south of the Las Vegas shear zone, 1965	box 07
The historic factor in geological methods, approximately 1917 to 1974	box 07
A History of the Colorado River: draft, 1946	box 07
Isotopic dates from Clark County, Nevada and adjacent Arizona, 1970	box 07
K-ar ages of the Lake Mead region, 1971	box 07
Large scale lateral faulting in southern Nevada, 1974	box 07
Lee Canyon quartzite, approximately 1917 to 1974	box 07
Low angle faults in the basin and range province, approximately 1940 to 1949	box 07
Measurement and date of movement on the Las Vegas Valley shear zone, 1971	box 07
Miscellaneous newspaper clippings, approximately 1960 to 1969	box 07
Miscellaneous notes, approximately 1917 to 1974	box 07
Miscellaneous notes on southern Nevada, approximately 1917 to 1974	box 07
Mississippi System: notes on Frenchman Mountain, approximately 1950 to 1959	box 07
The Modus Noises, approximately 1920 to 1929	box 07
Notes on Frenchman Mountain, Sunrise Block, approximately 1917 to 1974	box 07
Notes on Frenchman Mountain, approximately 1917 to 1974	box 07
Pakoon Formation, approximately 1917 to 1974	box 07

The Pennsylvania-Permian boundary in southern Nevada, approximately 1917 to 1974	box 07
Magnetic survey of part of the deep sea floor, 1958	box 07
Notes on Black Hills Rim project, approximately 1917 to 1974	box 07
Page from Muddy Mountains report, approximately 1917 to 1974	box 07
Preferential Emphasis in Geological Research, Why?: draft, approximately 1917 to 1974	box 07
Primary documents of earth history, approximately 1917 to 1974	box 07
Problems of Orogeny: draft, 1940	box 07
Proposed tectonic map of the United States, 1934	box 07
Records of crustal movements in southern Nevada, 1965	box 08
Report on examination of a "Sloth Pit" in southern New Mexico, 1928	box 08
Restudy of the Muddy Mountain area, Nevada, 1963	box 08
Review of the Geology of the Las Vegas Quadrangle: draft, approximately 1917 to 1974	box 08
Review of the "tectonic concept", approximately 1917 to 1974 Physical Description: 2 Files	box 08
The Role of Fluid Pressure in Mechanics of Overthrust Faulting: draft, approximately 1960 to 1969	box 08
Seismology Explores the Depths: draft, approximately 1920 to 1929	box 08
Slide presentation text, approximately 1917 to 1974	box 08
"Snap Judgment," a short fictional story, approximately 1920 to 1929	box 08
Some Suggested Symbols for a Tectonic Map of the United States: draft, approximately 1930 to 1940	box 08
Stratigraphic and Tectonic Significance of K-ar: draft, approximately 1917 to 1974	box 08
Stratigraphic analysis of the Las Vegas area, approximately 1950 to 1959	box 08
Stratigraphy of the Colorado River, 1935	box 08
Stratigraphy of the Las Vegas quadrangle, 1923	box 08
Stratigraphy, various areas around Las Vegas, approximately 1917 to 1974	box 08
Structural Geology, a book review, 1942	box 08
Submarine Geology: A Great Frontier: draft, 1953	box 08
Tectonic maps and tectonic provinces of the United States, approximately 1917 to 1974	box 08
Tectonic Study of Some Basin Ranges in Southern Nevada, approximately 1917 to 1974	box 08

Thrust Faults, Flaws, and Normal Faults in Southern Nevada, approximately 1920 to 1929	box 08
Topographic map section, Johnnie area, approximately 1917 to 1974	box 08
Topographic map sections, Lake Mead area, approximately 1917 to 1974	box 08
Topographic map sections, Muddy Mountains, approximately 1917 to 1974	box 08
Toroweap Formation, miscellaneous notes, approximately 1917 to 1974	box 08
"The Toss of a Coin," a short fictional story, approximately 1920 to 1929	box 08
"Understanding," a short fictional story, approximately 1920 to 1929	box 08
Untitled geological manuscript, approximately 1917 to 1974	box 08
Untitled geological manuscript, approximately 1917 to 1974	box 08
A Variation of Wegner's Hypothesis: draft, approximately 1917 to 1974	box 08
Volcanic Rock: draft, approximately 1917 to 1974	box 08
<i>Werden Und Vergchen der Kontinente und Meere</i> : draft of a review, approximately 1917 to 1974 Language of the Material: German	box 08
What is a Good Education in Our Time?: draft, 1940	box 08
Worlds in Collision, a review, 1950	box 08

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Series III. Published articles, 1923 to 1973

Physical Description: 0.46 Cubic Feet (1 box)

Physical Description: 0.42 Linear Feet

Scope and Contents Note: The published articles series (1923-1973) consists of reprints, offprints, and photocopies of articles and book chapters about geological topics written by Chester Longwell.

Arrangement: Materials are arranged alphabetically.

Title/Description	Containers
<i>The AGT and the AGI</i> , 1954	box 09
<i>Arthur Keith, 1864-1944: A Biographical Memoir</i> , 1956	box 09
<i>The Basin Range Problem</i> , 1938	box 09
<i>Bemerkungen Zur Oszillationstheorie Uber Diatropismus</i> , 1931 Language of the Material: German	box 09
<i>A Brief History of the Division of Earth Sciences</i> , 1968	box 09
<i>Clarence Edward Dutton, 1841-1912: A Biographical Memoir</i> , 1958	box 09
<i>Classification of Faults</i> , 1943	box 09

<i>The Dating of Diastrophic Events in Southern Nevada</i> , 1942	box 09
<i>Distribution of Oceans and Continents</i> , 1947	box 09
<i>The Earth, Its Origin, and Physical Constitution, a review</i> , 1954	box 09
<i>Earth's Shifting Crust, a review</i> , 1959	box 09
<i>Education in Geology: Advance It?</i> , 1945	box 09
<i>Geologia Submarina Un Amplio Campo de Investigacion</i> , 1949 Language of the Material: Spanish	box 09
<i>Geologic Interpretation of Gravity Anomalies</i> , 1943	box 09
<i>Geological Significance of Isostasy and Gravity Measurement</i> , 1925	box 09
<i>Geology</i> : entry for unnamed encyclopedia, approximately 1923 to 1973	box 09
<i>Geophysical Problems of General Interest</i> , 1927	box 09
<i>Herschel's View of Isostatic Adjustment</i> , 1928	box 09
<i>Is Uniformitarianism Necessary?</i> , 1965	box 09
<i>Kober's Theory of Orogeny</i> , 1923	box 09
<i>Low Angle Normal Faults in the Basin and Range Province</i> , 1945	box 09
<i>Measure and Date of Movement on Las Vegas Valley Shear Zone, Clark County, Nevada</i> , 1974	box 09
<i>Memorial to Edwin Bayer Branson</i> , 1951	box 09
<i>Memorial Tribute to John Walter Gregory</i> , 1933	box 09
Miscellaneous published book reviews, approximately 1923 to 1973	box 09
<i>The Muddy Mountain Thrust in Fact and Fiction</i> , 1932	box 09
<i>Notes on the Structure of Triassic Rocks in Southern Connecticut</i> , 1922	box 09
<i>A New Ordovician Formation in Nevada Dates by Conodonts</i> , 1967	box 09
<i>Origin of the Word Climate</i> , 1954	box 09
<i>The Oscillation Theory of Diatrophism</i> , 1930	box 09
<i>Plates of illustrations from various issues of Bulletin Geological Society of America</i> , approximately 1923 to 1973	box 09
<i>Relative Roles of Geology and Geophysics in Determination of Crustal Structure</i> , 1940	box 09
<i>Restudy of the Arrowhead Fault, Muddy Mountains, Nevada</i> , 1962	box 09
<i>Sedimentation in Relation to Faulting</i> , 1937	box 09
<i>Shrinkage of the Earth</i> , 1923	box 09
<i>Some Physical Tests of the Displacement Hypothesis</i> , approximately 1923 to 1973	box 09

<i>Some Problems of Mountain Structure and Mountain History</i> , 1930	box 09
<i>Structural Studies in Southern Nevada and Western Arizona: a Correction</i> , 1973	box 09
<i>Tectonic Theory Viewed from the Basin Ranges</i> , 1950	box 09
<i>The Triassic of Connecticut</i> , 1928	box 09

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Series IV. Subject files, 1917 to 1972

Physical Description: 0.92 Cubic Feet (2 boxes)

Physical Description: 0.83 Linear Feet

Scope and Contents Note: The subject files series (1917-1972) series consists of papers from professional geological associations and societies, financial matters, business concerns, and personal and professional matters. Also included are educational materials related to courses Longwell taught at Yale University.

Arrangement: Materials are arranged alphabetically.

Title/Description	Containers
American Association of Petroleum Geologists: lecture itinerary, approximately 1917 to 1972	box 10
American Geological Institute, miscellaneous papers, approximately 1954 to 1956 Physical Description: 2 Files	box 10
Association of Geology Teachers, 1957	box 10
Bibliographies for classes, approximately 1950 to 1959	box 10
Contract: Black Hills Rim Oil and Gas Project, 1922	box 10
Civil Service exam questions in geology, approximately 1906 to 1910	box 10
Civil Service exam for assistant geologist: report of ratings, 1920	box 10
Class notes, Yale University, approximately 1920 to 1929	box 10
Graduate school class roster, Yale University, 1928	box 10
Committee on tectonics, 1935	box 10
"Conferences on the Abundance of Elements", 1952	box 10
Account balance sheet, 1933	box 10
Field expenses, 1971	box 10
<i>The Gamma Alpha Record</i> , 1921	box 10
Geological Society of America, 1949	box 10
Geological symbols, color charts, approximately 1917 to 1972	box 10
Guggenheim Fellowship: letter of application, 1925	box 10

Henry Barnard Davis: In Memoriam, 1925	box 10
Hoover Dam: miscellaneous maps, papers, approximately 1930 to 1939	box 10
Illinois State Geological Survey, approximately 1950 to 1959	box 10
Income tax returns, approximately 1923 to 1933	box 10
International Geological Conference, 1933	box 10
Lake Mead administrative proposals, 1959	box 10
Lecture assignments, Yale University, 1953	box 10
Lecture notes, approximately 1917 to 1972	box 10
List of institutions using <i>Physical Geology</i> textbook, approximately 1960 to 1969	box 10
Personal and professional papers, approximately 1900 to 1974	box 11
General documents: National Academy of Science, approximately 1900 to 1974	box 11
General documents: National Research Council, approximately 1900 to 1974	box 11
National Science Foundation, 1953	box 11
Personal papers, approximately 1900 to 1974 Physical Description: 2 Files	box 11
Contract: <i>Physical Geology</i> textbook, 1963	box 11
Reviews: <i>Physical Geology</i> textbook, 1969	box 11
Sheffield Scientific School, approximately 1917 to 1972	box 11
Stanford University Earth Sciences faculty roster, 1973	box 11
Report: Stauffer Chemical Company, 1953	box 11
Structural Geology, exams, approximately 1917 April to 1917 June Physical Description: 4 Files	box 11
Structural Geology, new list of symbols, approximately 1917 to 1972	box 11
Structural Geology, outlines of lectures and exams, approximately 1917 to 1972	box 11
University of Missouri commencement, 1972	box 11
United State Geological Survey Directorship, 1955	box 11
United State Geological Survey, miscellaneous papers, approximately 1960 to 1969	box 11
United State Geological Survey, miscellaneous papers, 1972	box 11
Veatch, A. C., approximately 1917 to 1972	box 11
Velikovsky, Immanuel, approximately 1917 to 1972	box 11

Vietnam anti-war statement, Stanford University, 1970	box 11
Publishing contract for "Walks and Rides in Central Connecticut", 1960	box 11
Westwater Books, approximately 1917 to 1972	box 11
Memos: Yale University, approximately 1923 to 1955	box 11

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Series V. Name files, approximately 1886 to 1974

Physical Description: 0.69 Cubic Feet (2 boxes)

Physical Description: 0.63 Linear Feet

Scope and Contents Note: The name files series (1886-1974) consists of materials sent to Chester Longwell by professional colleagues for his review, critique, or reference.

Arrangement: Materials are arranged alphabetically.

Title/Description	Containers
Anderson, R. Ernest, approximately 1969 to 1970	box 12
Armstrong, A. K., approximately 1941 to 1973	box 12
Armstrong, Richard, 1969	box 12
Beach, Ray, 1962	box 12
Bowen, Richard L., approximately 1900 to 1974	box 12
Carey, Sam, 1958	box 12
Carter, E. K., approximately 1900 to 1974	box 12
Chamberlin, T. C., 1897	box 12
Coulter, H. W., 1969	box 12
Dana, Edward, approximately 1935 to 1949	box 12
Davis, Gregory A., approximately 1972 to 1973	box 12
Davis, Stanley, 1967	box 12
Deleau, Paul, approximately 1900 to 1974	box 12
Dill, Robert F., approximately 1900 to 1974	box 12
Fleck, Robert J., 1970	box 12
Flint, Richard, 1969	box 12
Geochron Laboratories, approximately 1968 to 1969	box 12
Gilbert, G. K., 1886	box 12
Girty, Gregory, approximately 1899 to 1928	box 12
Gutmann, James T., approximately 1967 to 1970	box 12

Haarmann, Erich, approximately 1920 to 1925	box 12
Hadley, J. B., 1941	box 12
Hapgood, Charles, approximately 1900 to 1974	box 12
Harrington, M.R., approximately 1900 to 1974	box 12
Haynes, Vance, approximately 1962 to 1963	box 12
Hewett, D. F., approximately 1961 to 1962	box 12
Hunt, Charles B., 1941	box 12
Jones, D. L., approximately 1900 to 1974	box 12
Keyes, Charles, 1929	box 12
Koester, Edward A., approximately 1900 to 1974	box 12
McFall, C. Carew, approximately 1900 to 1974	box 12
McKelvey, V. E., approximately 1936 to 1946	box 12
Mackenzie, Gordon, 1954	box 12
Martin, Paul S., approximately 1941 to 1957	box 12
Mendenhall, W. C., 1933	box 12
Metzer, Donald, 1962	box 12
Nolan, T. B., approximately 1917 to 1974	box 12
Olmores, Stephen, 1969	box 12
Olson, R. H., 1961	box 12
Orville, Philip, 1954	box 12
Palmer, Allison R., approximately 1954 to 1955	box 12
Perkins, John F., 1932	box 12
Raasch, Gilbert O., approximately 1948 to 1953	box 12
Remson, Irwin, approximately 1970 to 1971	box 12
Resser, Charles, approximately 1900 to 1974	box 12
Riley, L. B., approximately 1934 to 1935	box 12
Ross, Don, approximately 1952 to 1966	box 12
Ross, Reuben, J., approximately 1900 to 1974	box 12
Salmon, Wilhelm, approximately 1900 to 1974	box 13
Seager, William R., 1968	box 13
Shelton, John S., 1958	box 13
Simpson, G. G., 1926	box 13

Smith, Alfred, 1934	box 13
Stock, Chester, approximately 1900 to 1974	box 13
Stone, John B., approximately 1900 to 1974	box 13
Thom, W. T., approximately 1900 to 1974	box 13
Threet, Richard, approximately 1960 to 1973	box 13
Tocher, Don, approximately 1906 to 1956	box 13
Turekian, Karl, 1960	box 13
van Waterschoot, van der Gracht, W. A. J. M., approximately 1922 to 1925	box 13
Wanless, H. R., 1949	box 13
Webster, G. W., 1962	box 13
White, David, 1926	box 13

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Series VI. Correspondence, 1920 to 1974

Physical Description: 1.61 Cubic Feet (3 boxes)

Physical Description: 1.46 Linear Feet

Scope and Contents Note: The correspondence series (1920-1974) consists of incoming and outgoing correspondence to and from Chester Longwell.

Arrangement: Outgoing correspondence is arranged chronologically and incoming correspondence in arranged alphabetically.

Title/Description	Containers
Outgoing correspondence, approximately 1920 to 1974 Physical Description: 10 Files	box 14
Incoming correspondence, approximately 1921 to 1974 Physical Description: 85 Files	box 15 box 16 box 17

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Series VII. Rock specimen tags, approximately 1921 to 1969

Physical Description: 0.46 Cubic Feet (1 box)

Physical Description: 0.42 Linear Feet

Scope and Contents Note: The rock specimen tags series (1921-1969) consists of United States Geological Survey and personally made tags containing information on the provenance of rock specimens collected by Chester Longwell. The specimens associated with these tags are not part of the collection.

Arrangement: Materials are arranged chronologically.

Title/Description	Containers
Rock specimen tags, 1921-1969 Physical Description: 469 Items	box 18

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Series VIII. Miscellaneous notes, correspondence, books, and certificates, 1914 to 1974

Physical Description: 0.46 Cubic Feet (1 box)

Physical Description: 0.42 Linear Feet

Scope and Contents Note: The miscellaneous notes, correspondence, books, and certificates series (1914-1974) consists of photocopies of miscellaneous field notes written by Chester Longwell from 1919 to 1925; a list of Longwell's publications; notes on photographs and other collection provenance and acquisition information; recognition certificates and letters; and geology books.

Arrangement: Materials are arranged alphabetically.

Title/Description	Containers
Longwell notes, 1919 August 01	box 19
Longwell notes on Utah, 1921	box 19
Longwell notes, approximately 1923 June to 1923 July Physical Description: 3 Files	box 19
Longwell notes, approximately 1923 August to 1923 September Physical Description: 5 Files	box 19
Longwell notes, approximately 1924 June to 1924 August Physical Description: 17 Files	box 19
Longwell notes, approximately 1925 Physical Description: 2 Files	box 19
List of Chester Ray Longwell publications, approximately 1924 to 1947	box 19
Longwell old notes, photograph notes, and collection and acquisition information, approximately 1920 to 1961	box 19
Letter from G. Seifert, 1924	box 27
Smithsonian letter; letter from St. Thomas, Nevada; notes about Clark County, Las Vegas, Nevada, approximately 1900 to 1974	box 19
Graduation certificates and recognitions, 1914 to 1953	flat file 21
Geology books and journal articles, approximately 1914 to 1971 Physical Description: 6 Files	box 22
Geology books, approximately 1914 to 1947	box 23

Physical Description: 6 Files

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Series IX. Photographic prints, negatives, slides, and glass plate negatives, approximately 1900 to 1974

Physical Description: 4.03 Cubic Feet (11 boxes)

Physical Description: 4.92 Linear Feet

Scope and Contents Note: The photographic prints, negatives, slides, and glass plate negatives series (1900-1974) consists of black-and-white and color prints and negatives of geological features, predominately in southern Nevada, California, and Arizona but including other locations in the United States, Europe, and Asia. Also included are photographs taken of the moon by the Mt. Wilson Observatory telescope, numerous negative albums, photographic slides used for instructional purposes, glass plate negatives, and several letters and documents associated with the photographic prints.

Arrangement: Materials remain in original order.

Title/Description	Containers
Black-and-white photographic prints: proof sheets, approximately 1920 to 1974 Physical Description: 6 Photographic Prints	box 23
Black-and-white photographic negatives, approximately 1930 to 1974 Physical Description: 4 Files	box 23
Muddy Mountains, Lake Mead, and Overton, approximately 1940 to 1960 Physical Description: 10 Photographic Prints	box 24
Pierce Ferry Delta, photographs by William Belknap, Jr., approximately 1934 to 1954 Physical Description: 18 Photographic Prints	box 24
Frenchman's Flat area, southern Nevada, approximately 1927 to 1954 Physical Description: 12 Photographic Prints	box 24
Sheep Range, Pintwater Range, Corn Creek Range, Desert Range, Smith Ranch, Indian Ridge, Cane Springs, and Spotted Range, Nevada, approximately 1926 to 1927 Physical Description: 19 Photographic Prints	box 24
Red Springs area, Broken Keystone plate, taken by John S. Shelton, 1958 May Physical Description: 6 Photographic Prints	box 24
Aerial views of Boulder City and Frenchman Mountain, Nevada, taken by John S. Shelton, 1957 April 18 Physical Description: 8 Photographic Prints	box 24
Aerial views of general locations in southern Nevada, approximately 1955 to 1957	box 24

Physical Description: 31 Photographic Prints

Trilobites of the Pioche shale, taken by Phillip D. Pack, 1967	box 24
Physical Description: 3 Photographic Prints	
Fossil finds in the Muddy Creek Formation, Glendale and Gypsum Cave areas, Nevada, 1938	box 24
Physical Description: 3 Photographic Prints	
Desert Range, Sheep Range, and Alsen quarry, Nevada, approximately 1940 to 1950	box 24
Physical Description: 4 Photographic Prints	
Lake Mead, Black Canyon, and Chemehuevi Formation near Parker, Arizona, taken by Belknap Photographic Services, Boulder City, Nevada, 1949	box 24
Physical Description: 4 Photographic Prints	
Colorado River near Eldorado Canyon, Nevada, taken by Belknap Photographic Services, Boulder City, Nevada, approximately 1948 to 1949	box 24
Physical Description: 4 Photographic Prints	
Colorado River, Bridge Canyon, and Grand Wash Cliffs, Nevada, 1949 January 18	box 24
Physical Description: 9 Photographic Prints	
Nellis Air Force Base and Sunrise Mountain area, Belknap Photographic Services, Boulder City, Nevada, 1948 December	box 24
Physical Description: 6 Photographic Prints	
Southern Nevada: Desert Range, Sheep Range, Spotted Range, Hidden Forest, Mt. Charleston, and Excelsior Canyon, approximately 1950 to 1960	box 24
Physical Description: 39 Photographic Prints	
Frenchman Mountain area, taken by John D. Shelton, approximately 1950 to 1960	box 24
Physical Description: 4 Photographic Prints	
Boulder City, Nevada area, taken by Belknap Photographic Services, Boulder City, Nevada, approximately 1948 to 1949	box 24
Physical Description: 2 Files (11 photographic prints)	
Aerial and ground views of the southern Nevada area, approximately 1948 to 1949	box 24
Physical Description: 6 Photographic Prints	
Muddy Mountains area, taken by Belknap Photographic Services, Boulder City, Nevada, 1949 January	box 24
Physical Description: 4 Photographic Prints	
South of Railroad Pass near Boulder City, Nevada, taken by Belknap Photographic Services, Boulder City, Nevada, 1949 January 16	box 24

Physical Description: 3 Photographic Prints

Willow Beach and Roaring Rapids, Colorado River canyon, taken by Belknap Photographic Services, Boulder City, Nevada, 1949	box 24
Physical Description: 4 Photographic Prints	
Southern Nevada areas, including Hidden Valley and Dead Donkey Wash, taken by Belknap Photographic Services, Boulder City, Nevada, 1949	box 24
Physical Description: 4 Photographic Prints	
Southern Nevada and southern California areas, including Lee Canyon, Pictograph Canyon, Spring Mountain, and the San Andreas Fault area, approximately 1924 to 1927	box 24
Physical Description: 9 Photographic Prints	
Southern Nevada areas, including Lee Canyon, Kyle Canyon, Iceberg Canyon, Pierce Ferry, Groom Lake, Cathedral Rock, approximately 1924 to 1927	box 24
Physical Description: 34 Photographic Prints	
Postcards, mostly landscapes, various locations, approximately 1920 to 1950	box 24
Physical Description: 26 Items	
Aerial views of Virginia City, Nevada and the Mohave Desert, approximately 1950 to 1960	box 24
Physical Description: 2 Photographic Prints	
Nevada and California, Meadow Valley Wash and petrified wood, 1934 March	box 24
Physical Description: 9 Photographic Prints	
Southern Nevada in snow, 1949	box 24
Physical Description: 11 Photographic Prints	
Three Kids Mine, Patsy Mine, Frenchman Mountain, and Elephant Butte, southern Nevada area, taken by Belknap Photographic Services, Boulder City, Nevada, 1954 December	box 24
Physical Description: 16 Photographic Prints	
Las Vegas Wash, Fortification Hill, and Colorado River, southern Nevada area, approximately 1920 to 1933	box 24
Physical Description: 15 Photographic Prints	
Kyle and Lee Canyons, Spring Mountain, Belknap Photographic Services, Boulder City, Nevada, 1952 July 15	box 24
Physical Description: 9 Photographic Prints	
Borax Mine, Buffington Tank formation, Boulder Wash, southern Nevada area, 1934	box 24
Physical Description: 6 Photographic Prints	
Lake Mead and Fortification Hill, Belknap Photographic Services, Boulder City, Nevada, 1948 October	box 24

Physical Description: 10 Photographic Prints

Colorado River near Black Canyon and Eldorado Canyon, Belknap Photographic Services, Boulder City, Nevada, 1949 April 25	box 24
Physical Description: 6 Photographic Prints	
Colorado River, lower Grand Canyon, upper Lake Mead, Callville Basin, 1949 January	box 24
Physical Description: 6 Photographic Prints	
Lee Canyon, Hayford Canyon, Pictograph Canyon, Cane Springs, White Rock Springs, Johnnie Mine, southern Nevada area, approximately 1940 to 1949	box 24
Physical Description: 38 Photographic Prints	
Frenchman Mountain area, Belknap Photographic Services, Boulder City, Nevada, 1949 December	box 24
Physical Description: 6 Photographic Prints	
East of Frenchman Mountain, Belknap Photographic Services, Boulder City, Nevada, approximately 1948 to 1949	box 24
Physical Description: 10 Photographic Prints	
Willow Beach and Searchlight, Belknap Photographic Services, Boulder City, Nevada, approximately 1948 to 1949	box 24
Physical Description: 10 Photographic Prints	
Davis Dam and Willow Beach, Belknap Photographic Services, Boulder City, Nevada, 1949 May 09	box 24
Physical Description: 7 Photographic Prints	
Hoover Dam construction and Colorado River, U. S. Bureau of Reclamation, 1930	box 25
Physical Description: 53 Photographic Prints	
Black Canyon and Boulder Canyon, Colorado River, approximately 1922 to 1936	box 25
Physical Description: 2 Photographic Prints	
Spring Mountain area, southern Nevada, approximately 1950 to 1959	box 25
Physical Description: 25 Photographic Prints	
Structural diagrams of geological features for publication, approximately 1950 to 1960	box 25
Physical Description: 3 Photographic Prints	
Frenchman Mountain, Rainbow Garden, Valley of Fire, southern Nevada, approximately 1950 to 1960	box 25
Physical Description: 17 Photographic Prints	
Partially exposed lithified tree trunk, Muddy Mountains, southern Nevada, approximately 1940 to 1950	box 25
Physical Description: 1 Photographic Prints	
Upper Lake Mead, southern Nevada, U. S. Bureau of Reclamation, 1949	box 25

Physical Description: 17 Photographic Prints	
Buffington tectonic window, southern Nevada, 1920 to 1940	box 25
Physical Description: 2 Photographic Prints	
Muddy Mountains tectonic window, "God's Pocket," southern Nevada, approximately 1920 to 1926	box 25
Physical Description: 1 Photographic Prints	
Aerial view of Frenchman Mountain and Sunrise Mountain area, southern Nevada, approximately 1950 July 11 to 1950 July 27	box 25
Physical Description: 57 Photographic Prints	
Aerial view of Colorado River basin, southern Nevada and Arizona, 1938 April 24	box 25
Physical Description: 89 Photographic Prints	
Frenchman Mountain, Keystone Thrust, and Muddy Mountains, approximately 1950 April 23 to 1960	box 25
Physical Description: 16 Photographic Prints	
Colorado River gravels, Aztec Wash, west end of Boulder Canyon, 1950 May 02	box 25
Physical Description: 7 Photographic Prints	
Locations in southern Nevada and western Arizona, approximately 1945 May 01 to 1949	box 25
Physical Description: 39 Photographic Prints	
"The Bowl," Muddy Mountains, southern Nevada, 1950 April 24	box 25
Physical Description: 8 Photographic Prints	
Detail of desert pavement, east side of Pahrump Valley, southern Nevada, 1950	box 25
Physical Description: 2 Photographic Prints	
Colorado River, Pierce Ferry delta, Lower Granite Gorge, Surprise Canyon and unnamed canyon, 1949 March	box 25
Physical Description: 16 Photographic Prints	
Three Kids Mine, Patsy Mine, Frenchman Mountain, and Elephant Butte, southern Nevada, approximately 1950 April 23 to 1960	box 25
Physical Description: 29 Photographic Prints	
Geological features, various locations in the United States: negative albums, approximately 1920 to 1940	box 26
Physical Description: 309 Photographic Negatives	
Notes on photographs taken by Longwell in southern Nevada, approximately 1948 to 1949	box 27
Physical Description: 1 Files	
Individual and group photographs, family and professional organizations, 1930	box 27

Physical Description: 32 Photographic Prints	
Locations in southern Nevada and California, 35mm strips, 1930	box 27
Physical Description: 128 Photographic Prints	
Aerial views of Frenchman Mountain, Belknap Photographic Services, Boulder City, Nevada, 1930	box 27
Physical Description: 19 Photographic Prints	
Las Vegas Quadrangle, Ludwig enlargements, 1954	box 27
Physical Description: 6 Photographic Prints	
Megabreccia formation along the Colorado river, four views, 1949	box 27
Physical Description: 9 Photographic Prints	
Locations in southern Nevada used as book illustrations, 1930	box 27
Physical Description: 4 Photographic Prints	
Various geological locations in southern Nevada, 1920	box 27
Physical Description: 58 Photographic Prints	
Various geological locations in the United States, 1900	box 27
Physical Description: 29 Photographic Prints	
"The Bay of North America," photocopy of printed hand-drawn map, 1904	box 27
Physical Description: 2 Photographic Prints	
Carnac Stones, Brittany, France, 1910	box 27
Physical Description: 5 Photographic Prints	
Chou Kou Tien, "Peking Man Hill," taken by G. B. Barbour, 1930	box 27
Physical Description: 5 Photographic Prints	
Mayon Volcano, Philippines, and the Grenchenberg Tunnel, Switzerland, 1930	box 27
Physical Description: 2 Photographic Prints	
Fossiliferous sandstone near West Addison, New York, 1940	box 27
Physical Description: 1 Photographic Prints	
Lookout Mountain and vicinity, Tennessee, 1930	box 27
Physical Description: 6 Photographic Prints	
Aerial views of Arizona, Utah, and New Mexico, taken by Barnum Brown, 1940	box 27
Physical Description: 16 Photographic Prints	
Aerial views of Death Valley and vicinity, California, taken by Spence Air Photos, Incorporated, 1940	box 27
Physical Description: 6 Photographic Prints	
Point Reyes and Berkeley Hills, California, Belknap Photography Services, Boulder City, Nevada, 1949 February 14	box 27

Physical Description: 4 Photographic Prints

San Andreas Fault in the Indio Hills and Santa Rosa Mountains, California, 1904	box 27
Physical Description: 4 Photographic Prints	
Western desert of California, Nevada, and Arizona, taken by Eliot Blackwelder, 1950	box 27
Physical Description: 9 Photographic Prints	
Aerial views of the Grand Canyon, Painted Desert and vicinity, Arizona, taken by Spence Air Photos, Incorporated, 1939	box 27
Physical Description: 15 Photographic Prints	
Aerial views of Wyoming, Montana, and Arizona, taken by Spence Air Photos, Incorporated, 1939	box 27
Physical Description: 9 Photographic Prints	
Aerial views of southern Utah, taken by Charles B. Hunt, 1938 July	box 27
Physical Description: 6 Photographic Prints	
Possible illustrations for a chapter on mountains in the <i>Book of Science</i> , 1929	box 27
Physical Description: 3 Photographic Prints	
Washington state, visit with Flora and Rowd, 1960	box 27
Physical Description: 10 Photographic Prints	
Field course, Wyoming and South Dakota, including Mt. Rushmore and Yellowstone, 1946	box 27
Physical Description: 24 Photographic Prints	
Stratified sandstone shale, Morgantown, West Virginia, 1940	box 27
Physical Description: 1 Photographic Prints	
Cody road to Yellowstone, Buffalo Bill Dam, and Shoshone Reservoir, Wyoming, 1940	box 27
Physical Description: 10 Photographic Prints	
Alpine geological structures, 1940	box 27
Physical Description: 8 Photographic Prints	
Breckinridge, Colorado and Mt. Guyot, Tennessee, 1915	box 27
Physical Description: 10 Photographic Prints	
Geologic features from the <i>Geologic Survey of Great Britain</i> , 1929 September 24	box 27
Physical Description: 16 Photographic Prints	
Half Dome and El Capitan, Yosemite Valley, California, 1930	box 27
Physical Description: 4 Photographic Prints	
Mt. Whitney, Sierra Nevada range, California, 1930	box 27

Physical Description: 1 Photographic Prints

Volcanic peaks and glaciers in Wyoming and Oregon, taken by the United States Army Air Corps, 1930	box 27
Physical Description: 3 Photographic Prints	
Grand Coulee, Columbia River, and Cape Flattery, Washington, 1930	box 27
Physical Description: 3 Photographic Prints	
Aerial view of gold dredging, Nome, Alaska, taken by Spence Air Photos, Incorporated, 1940	box 27
Physical Description: 1 Photographic Prints	
Aerial views of Alaskan glaciers, taken by Sargent, United States Geologic Survey, 1930	box 27
Physical Description: 20 Photographic Prints	
Mt. Rainier from Paradise Valley, Washington showing Nisqually Glacier, taken by Asahel Curtis Photography Company, 1920	box 27
Physical Description: 2 Photographic Prints	
Solifluction slopes, northeast Greenland, 1955	box 27
Physical Description: 3 Photographic Prints	
Canadian Rockies, taken by the Royal Canadian Air Force, 1959	box 27
Physical Description: 2 Photographic Prints	
The moon, taken at Mt. Wilson Observatory, California, 1919	box 27
Physical Description: 8 Photographic Prints	
Soil profile and slope surface, letter and photographic print from Soil Conservation Service, West Virginia, 1954	box 27
Physical Description: 2 Photographic Prints	
Aerial view, unidentified location, 1950 July 25	box 27
Physical Description: 2 Photographic Prints	
Geological locations in Nevada, California, the eastern United States, and Australia, labeled: photographic slides, approximately 1940 to 1974	box 28
Physical Description: 506 Photographic Slides	
Nevada desert and mines, labeled: photographic slides, approximately 1917 to 1974	box 20
Glass plate negatives of geological formations, approximately 1900 to 1974	box 29
Physical Description: 142 Photographic Negatives	
	box 30
	box 31
	box 32
	box 33

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Series X. Geological and topographical maps, approximately 1900 to 1974

Physical Description: 13.97 Cubic Feet (24 flat files)

Physical Description: 52.90 Linear Feet

Scope and Contents Note: The geological and topographical maps series (1900-1974) consists of 549 maps and geological sections, illustrating locations primarily in Nevada, California, Arizona, and Utah. Many maps and sections were annotated, illustrated, or color-coded by Longwell.

Arrangement: Materials remain in original order.

Title/Description	Containers
Geological and topographical maps and sections, approximately 1900 to 1974 Physical Description: 549 Drawings	flat file 34

flat file
35

flat file
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