

**William Walden Rubey Papers**  
**A Finding Aid to the Collection in the Library of Congress**



**Manuscript Division, Library of Congress**  
**Washington, D.C.**  
**2004**

Contact information: <https://hdl.loc.gov/loc.mss/mss.contact>

Catalog Record: <https://lcn.loc.gov/mm82038471>

Additional search options available at: <https://hdl.loc.gov/loc.mss/eadmss.ms010251>

Prepared by Manuscript Division staff

Finding aid encoded by Library of Congress Manuscript Division, 2010  
Revised 2023 November

## Collection Summary

**Title:** William Walden Rubey Papers

**Inclusive Dates:** 1920-1974

**Bulk Dates:** 1951-1971

**ID No.:** MSS38471

**Creator:** Rubey, William Walden, 1989-1974

**Extent:** 32,250 items

**Extent:** 95 containers plus 1 oversize

**Extent:** 38 linear feet

**Language:** Collection material in English

**Location:** Manuscript Division, Library of Congress, Washington, D.C.

**LC Catalog record:** <https://lccn.loc.gov/mm82038471>

**Summary:** Geologist and educator. Correspondence, memoranda, manuscripts of articles, book reviews, speeches, reports, research notes, press releases, printed materials, maps, illustrations, and other papers pertaining primarily to Rubey's career with the United States Geological Survey, as consultant on geological projects, and as member of professional, scientific, and educational organizations.

## Selected Search Terms

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

### People

Aldrich, Henry R. (Henry Ray), 1891- --Correspondence.

Hubbert, M. King (Marion King), 1903-1989--Correspondence.

Longwell, Chester R. (Chester Ray), 1887-1975--Correspondence.

Oriel, Steven S.--Correspondence.

Rubey, William Walden, 1898-1974.

### Organizations

Geological Society of America. Committee on the War Effort.

Geological Survey (U.S.)

Geological Survey (U.S.). Strategic Minerals Program.

Lunar Science Institute.

Project Mohole.

### Subjects

Biosphere.

Earthquakes--Colorado--Denver Region.

Geological mapping--Middle West.

Geological mapping--West (U.S.)

Geology--Middle West.

Geology--Nomenclature.

Geology--Societies, etc.

Geology--West (U.S.)

Submarine geology.

Thrust faults (Geology)

Vanadium.

World War, 1939-1945--Science.

### Places

Earth (Planet)--Crust.

Earth (Planet)--Mantle.

### Occupations

Educators.  
Geologists.

## Acquisition Information

The papers of William Walden Rubey, geologist and educator, were given to the Library in 1974 by Mrs. Susan M. Rubey. A small addition was received by bequest of the Rubey estate in 1976.

## Processing History

The papers of William Walden Rubey were arranged and described in 1992 by Kathleen M. Dondanville with the assistance of Sherralyn F. McCoy. The finding aid was revised by Michael W. Giese in 2004.

## Copyright Status

The status of copyright in the unpublished writings of William Walden Rubey is governed by the Copyright Law of the United States (Title 17, U.S.C.).

## Preferred Citation

Researchers wishing to cite this collection should include the following information: Container number, William Walden Rubey Papers, Manuscript Division, Library of Congress, Washington, D.C.

## Biographical Note

Date	Event
1898, Dec. 19	Born, Moberly, Mo.
1919, Nov. 27	Married Susan Elsie Manovill
1920	A.B., University of Missouri, Columbia, Mo.
1920-1960	Geologist, United States Geological Survey
1922-1924	Instructor of geology, Yale University, New Haven, Conn.
1950-1951	Director, American Geological Institute
1953	D.Sc., University of Missouri, Columbia, Mo.
1955-1956	Visiting professor of geology at California Institute of Technology, Pasadena, Calif., and Johns Hopkins University, Baltimore, Md.
1960-1969	Professor of geology and geophysics, University of California, Los Angeles, Calif.
1960-1974	Member, National Science Board
1974	Died, Los Angeles, Calif.

## Scope and Content Note

The papers of William Walden Rubey (1898-1974) span the years 1915-1974, with the bulk of the items concentrated in the period 1951-1971. The collection primarily documents Rubey's career with the United States Geological Survey, his consultant work on various geological projects, and his activities as a member of professional, scientific and educational organizations. Also included are materials relating to Rubey's technical speeches and writings in the earth sciences field. The collection is divided into the following series: [General Correspondence](#), [Speeches and Writings](#), [Subject File](#), and [Oversize](#).

The [General Correspondence](#) series, 1921-1974, primarily contains incoming and outgoing correspondence between Rubey and associates involved in the earth science fields. Much of the earlier correspondence relates to his work as a geologist for the United States Geological Survey and includes letters written and received while Rubey was performing geological field work in areas of the Midwest, Southwest, the northern Great Plains, and the northern Rocky Mountains. Later correspondence primarily pertains to his involvement with numerous scientific and educational associations and his interest in the research and writings of colleagues.

The [Speeches and Writings](#) series, 1923-1974, is mostly comprised of research notes, drafts, correspondence, final copies, printed versions, and other related materials pertaining to Rubey's articles, book reviews and introductions, speeches, and reports. Research notes in this series are highly technical and often contain complex mathematical and scientific formulations. The series features many of Rubey's ground-breaking articles, along with related correspondence, illustrative materials, and research notes. Included are materials pertaining to such seminal works as "The Geologic History of Sea Water," "The Development of the Hydrosphere and Atmosphere," and the controversial "Role of Fluid Pressure in the Mechanics of Overthrust Faulting." Co-authored with M. King Hubbert, the latter article was the cause of much dissension in the geological field. Letters from colleagues in this file primarily pertain to the validity of Rubey and Hubbert's fluid pressure hypothesis. The authors' replies to published discussions and critiques of their theory are also found in this series.

The [Subject File](#), 1915-1974, is comprised of correspondence, memoranda, reports, newspaper clippings, press releases, printed matter, geological maps, research notes, and other materials relating to Rubey's professional activities as a geologist. Although the series contains extensive files pertaining to projects Rubey conducted for the United States Geological Survey, complete documentation of his Survey career as a whole is lacking. Notable files include records documenting his work in standardizing the nomenclature and symbols used for defining carbonaceous and stratigraphic materials, several projects that took place in the western states, and various geological mapping projects. Other significant files relate to Rubey's work with the Survey's Strategic Minerals Program, in which he was charged with supervising surveys for vanadium, an important ore used by steel manufacturers during World War II as a steel hardener.

Also contained in the Subject File are correspondence, memoranda, and reports pertaining to Rubey's work as a member of many professional, educational, and scientific organizations. Included are correspondence, memoranda, and reports documenting his efforts in the Mohole project, a joint effort in the 1960s between the National Science Foundation and the United States government to obtain a complete core record of the layers of the earth's crust and the upper part of the underlying mantle. The project was later discontinued by Congress due to dissension between scientists and government representatives over the administration of the project, congressional charges of political influence and irregularities in the awarding of the engineering contract, and other factors. Correspondence in this file contains Rubey's candid impressions of what he felt were the root causes of the project's failure.

Other significant files pertain to Rubey's role in establishing the Lunar Science Institute, his work as a member of the Geological Society of America's Committee on the War Effort, which made recommendations to the army on the strategic employment of geologists in the battlefield during World War II, and his efforts in conjunction with the United States Army Corps of Engineers to determine the cause of a series of earthquakes plaguing the Denver, Colorado, area.

Frequent correspondents include Henry R. Aldrich, M. King Hubbert, Chester R. Longwell, and Steven S. Oriel.

## Arrangement of the Papers

The collection is arranged in four series:

- [General Correspondence, 1920-1974](#)
- [Speeches and Writings, 1923-1974](#)
- [Subject File, 1915-1974](#)
- [Oversize, 1962-1966](#)

## Description of Series

<b>Container</b>	<b>Series</b>
BOX 1-12	<p><b><u>General Correspondence, 1920-1974</u></b></p> <p>Incoming and outgoing correspondence with attachments between Rubey and friends, colleagues, and organizations.</p> <p>Arranged alphabetically by name of correspondent or organization and therein chronologically.</p>
BOX 13-37	<p><b><u>Speeches and Writings, 1923-1974</u></b></p> <p>Manuscripts in various stages of preparation, including notes, correspondence, illustrative materials, drafts, final copies, and printed versions of articles, book reviews, book introductions, miscellaneous writings, critiques of manuscripts written by colleagues, reports, and speeches.</p> <p>Arranged alphabetically by type of material and therein chronologically.</p>
BOX 38-95	<p><b><u>Subject File, 1915-1974</u></b></p> <p>Correspondence, memoranda, reports, notes, press releases, minutes of meetings, newspaper clippings, maps, photographs, and printed matter pertaining to Rubey's activities as a geologist for the United States Geological Survey and as a member of various scientific, professional, and educational organizations.</p> <p>Arranged alphabetically by topic or type of material and therein chronologically.</p>
BOX OV 1	<p><b><u>Oversize, 1962-1966</u></b></p> <p>Graphs concerning earthquakes and well-head pressure in Colorado.</p> <p>Organized and described according to the series, containers, and folders from which the items were removed.</p>

# Container List

<b>Container</b>	<b>Contents</b>
<b>BOX 1-12</b>	<b>General Correspondence, 1920-1974</b> Incoming and outgoing correspondence with attachments between Rubey and friends, colleagues, and organizations. Arranged alphabetically by name of correspondent or organization and therein chronologically.
<b>BOX 1</b>	Abelson, Philip N., 1953-1962 Altschuler, Z. S., 1959-1962, undated Anderson, Charles A., 1942-1966 Armstrong, Frank, 1945-1965 “A” miscellaneous, 1939-1974, undated (2 folders) Ball, Max W., 1928-1950 Bateman, Alan M., 1925-1957 Behre, Charles H., Jr., 1929-1945, undated Bell, A. H., 1928-1930 Berkner, Lloyd V., 1962-1973 Berry, Edward W., 1925-1944 Billings, Marland P., 1944-1949 Birch, Francis, 1939-1973 Boardman, Leona, 1928-1946 Bradley, Wilmot H., 1924-1973 Bowen, Norman L., 1938-1953 Bramlette, Milton N., 1924-1969, undated Branson, E. B., 1926-1939 Bronk, Detlev W., 1948-1963 Bryan, Kirk, 1926-1949 Bucher, Walter H., 1928-1968 (2 folders) Buddington, A. F., 1949-1960
<b>BOX 2</b>	Byerly, Perry, 1943-1968 “B” miscellaneous, 1926-1974 (8 folders) Cairns, Robert W., 1964 Campbell, Ian, 1951-1969 Cannon, Ralph S., 1949-1968 Chamberlin, Rollin T., 1934-1945 Cloos, Ernst, 1944-1962 Cloud, Preston E., 1951-1973, undated Cobban, William, 1947, 1959 Cornell, S. D., 1954-1956 Cottam, Clarence, 1967 Creagh, Agnes, 1959-1963

## General Correspondence, 1920-1974

### Container

### Contents

---

	Crosby, Gary W., 1967-1971
	Crosby, Irving B., 1935-1941
	Crowell, John, 1961-1973
	Curtis, Winterton C., 1931-1963
	“C” miscellaneous, 1925-1973 (4 folders)
<b>BOX 3</b>	Davis, Gregory, 1972-1973
	Denison, Rodger A., 1943-1957
	DeWolf, Frank W., 1921-1942
	Dille, Glenn S., 1929-1930
	Dobbin, C.E., 1930-1935
	Dodge, Homer L., 1944-1953
	Dorr, John A., 1969-1974
	Dott, Robert H., 1965-1973
	Duncan, Robert, 1970-1971
	“D” miscellaneous, 1921-1971, undated (4 folders)
	Eardley, A. J., 1936-1953
	Emberson, Frances G., 1945
	Ewing, Maurice, 1946-1974
	“E” miscellaneous, 1932-1972 (2 folders)
	Farrell, Agnes M., 1922-1926 (2 folders)
	Faul, Henry, 1946-1961
	Fenner, C. N., 1933-1934
	Flint, Richard F., 1928-1960
	Fox, Sidney W., 1956-1974
	Fryxell, Fritiof M., 1951-1955
<b>BOX 4</b>	“F” miscellaneous, 1929-1970, undated (3 folders)
	Gardner, Louis S., 1938-1949
	Garrels, Robert M., 1950-1968
	Gault, Richard H., 1947-1960
	Getting, Ivan A., 1971
	Gilluly, James, 1929-1973
	Glock, Waldo S., 1925-1946
	Graham, Clarence H., 1957-1960
	Green, Burdett, 1953-1968
	Green, Harry W., 1967-1969
	Griggs, David T., 1933-1973 (3 folders)
	“G” miscellaneous, 1928-1973 (7 folders)
	Hale, Lyle A., 1954-1960
	Hamilton, Warren, 1960-1967
	Heald, Kenneth C., 1925-1962

## General Correspondence, 1920-1974

Container	Contents	
BOX 5	Heard, Hugh, 1963-1966	
	Hedbert, Hollis, 1936-1961	
	Heroy, William B., 1944-1958	
	Hess, Harry Hammond, 1939-1971 (2 folders)	
	Horberg, Leland, 1933-1953	
	Horton, Robert E., 1933-1935	
	Hubbert, King M., 1935-1974 (4 folders)	
	Hull, J. P. D., 1927-1950	
	Hunt, Charles B., 1930-1958	
	Hutchinson, Evelyn G., 1948-1971	
	"H-J" miscellaneous, 1920-1972 (8 folders)	
	BOX 6	Keller, Walter D., 1933-1966
		Kennedy, George, 1949-1970
Klopsteg, Paul E., 1952-1968		
Knopf, Adolph, 1927-1951		
Krauskopf, Konrad B., 1945-1953		
Krumbein, William C., 1935-1958		
Kuiper, Gerard P., 1951-1956		
"K" miscellaneous, 1929-1974 (4 folders)		
Lafon, Michel G., 1974		
Lane, E. W., 1933-1953		
Leighton, M. M., 1928-1971 (2 folders)		
Leith, Andrew, 1956-1971		
Leonard, Al, 1962-1962		
Leopold, Luna B., 1951-1971		
Leverett, Frank, 1923-1929		
Levorser, Arville I., 1942-1947		
Library of Congress, 1962-1966		
Longwell, Chester R. 1921-1942 (2 folders)		
1943-1973 (5 folders)		
Love, David J., 1936-1955		
Lovering, T. S., 1933-1951		
"L" miscellaneous, 1924-1974 (3 folders)		
McGookey, Donald P., 1959-1970		
McKnight, Edwin T., 1928-1966		
MacDonald, Gordon J., 1958-1967		
Mackin, Joseph H., 1944-1969		
Macy, A. J., 1924-1929		



## General Correspondence, 1920-1974

### Container

### Contents

---

	McKelvey, Vincent E., 1945-1972
	Melton, Frank A., 1923-1948
	Menard, Henry W., 1957-1963
	Middlebush, Frederick A., 1953
<b>BOX 8</b>	Middleton, E. R., 1965-1966
	Moore, Raymond C., 1921-1967
	Moulton, Gail F., 1923-1944
	“M” miscellaneous, 1926-1973 (6 folders)
	Newell, Norman D., 1939-1949
	Newhouse, Walter H., 1948-1949
	Nolan, Thomas B., 1934-1974, undated
	Nye, Selden S., 1945-1963
	“N” miscellaneous, 1927-1969
	Oriel, Steven S. 1961-1965 (4 folders)
<b>BOX 9</b>	1966-1971 (4 folders)
	Osborn, Elburt F., 1965-1968
	“O” miscellaneous, 1925-1972
	Peck, Raymond E., 1939-1964
	Pecora, William T., 1951-1971
	Pettijohn, Francis F., 1952-1971
	Pettersson, Hans, 1947-1954
	Platt, Lucian B., 1956-1964
	Potter, Paul Edwin, 1951-1959
	Powers, Sidney, 1926-1927
	Press, Frank, 1962-1973
	Pye, Willard D., 1944-1945
	“P” miscellaneous, 1934-1971 (3 folders)
	Raleigh, Berry, 1961-1966 (2 folders)
	Reed, Ralph D., 1929-1937
	Revelle, Roger, 1948-1968
<b>BOX 10</b>	Robbins, William J., 1954-1963
	Robert, Walter O., 1963-1967
	Robinove, Charles J., 1956-1957
	Rodgers, John, 1939-1973 (3 folders)
	Ronov, Alexander B., 1956-1973
	Ruby, Glenn M., 1925-1944, 1970-1971
	“R” miscellaneous, 1925-1973 (3 folders)
	Savage, T. E., 1929-1930
	Sharp, Robert P., 1941-1955

## General Correspondence, 1920-1974

### Container

### Contents

---

	Slichter, Louis B., 1950-1966
	Smith, Waldo E., 1947-1960
	Spieker, Edmund M., 1928-1972 (2 folders)
	Stedanoff, Alexander, 1923-1932
	“Sai-She” miscellaneous, 1930-1974 (2 folders)
BOX 11	“Shep-Swi” miscellaneous, 1929-1974 (5 folders)
	Taylor, S. Ross, 1968-1971
	Thom, W. Taylor, 1923-1959
	Tracey, Joshua I., 1953-1963
	Trask, Parker D., 1928-1956
	Tunell, George, 1948-1966
	Turano, Rosalind D., 1960-1961, undated
	Tuttle, Frank O., 1956-1958
	Titensor, Sidney, 1927-1950
	“T” miscellaneous, 1924-1973
	Urey, Harold C., 1950-1973
	“U-V” miscellaneous, 1926-1972 (2 folders)
	Voight, Berry, 1973-1974
BOX 12	Waters, Aaron C., 1946-1965, undated
	Weaver, Charles E., 1939-1949
	White, Lynn, Jr., 1958-1962
	Wentworth, Chester K., 1928-1959, undated
	Weller, Marvin J., 1928-1955, undated (2 folders)
	Wetherill, George W., 1959-1967
	Whipple, Fred L., 1949-1950
	Wilkinson, Cecil J., 1934-1952
	Williams, James S., 1920-1955, undated
	Wilmot, Sydney, 1937-1938
	Wilson, John Tuzo, 1953-1971
	Woodford, Alfred O., 1932-1955
	“W” miscellaneous, 1927-1974 (4 folders)
	Yen, John T., 1946-1965
	“Y-Z” miscellaneous, 1923-1956 (2 folders)
BOX 13-37	<b>Speeches and Writings, 1923-1974</b> Manuscripts in various stages of preparation, including notes, correspondence, illustrative materials, drafts, final copies, and printed versions of articles, book reviews, book introductions, miscellaneous writings, critiques of manuscripts written by colleagues, reports, and speeches. Arranged alphabetically by type of material and therein chronologically.

## Speeches and Writings, 1923-1974

### Container

### Contents

---

#### BOX 13

#### Articles

1926, "Determination and the Use of Thicknesses of Incompetent Beds in Oil Field Mapping and General Structural Studies," *Economic Geology*

1927, "The Effect of Gravitational Compaction on the Structure of Sedimentary Rocks: A Discussion," *Bulletin of the American Association of Petroleum Geologists*

1928, "Gullies in the Great Plains Formed by Sinking of the Ground," *American Journal of Science*

1929, "Origin of the Siliceous Mowry Shale of the Black Hills Region," *Shorter Contributions to General Geology*, United States Geological Survey

1930

"Lithologic Studies of Fine-grained Upper Cretaceous Sedimentary Rocks of the Black Hills Region," *Shorter Contributions to General Geology*, United States Geological Survey

"Shortening of Folded Strata and Scale of Structure Section"

Drafts

Research notes

Computations

Depth of folding

H and B structure

Laboratory model

Mechanics of rupture

Miscellaneous structure

1933

"Equilibrium Conditions in Debris-laden Streams," *Transactions of the American Geophysical Union*

"Settling Velocity of Gravel, Sands, and Silt Particles," *American Journal of Science*

Correspondence and drafts, 1932-1933

Printed version

"The Size Distribution of Heavy Minerals within a Water-laid Sandstone", *Journal of Sedimentary Petrology*

Correspondence and notes, 1932-1933

Drafts

Printed version

#### BOX 14

1938

"The Force Required to Move Particles on a Stream Bed," *Shorter Contributions to General Geology*, United States Geological Survey *For additional material see [Container 34, 1935, Apr. 10](#)*

Printed version

Research notes

Coefficient of frictional resistance

General

(2 folders)

G. K. Gilbert's experiment

(2 folders)

Hydraulics

(3 folders)

Mean velocities

Settling velocities

## Speeches and Writings, 1923-1974

### Container

### Contents

---

	Stream profiles
BOX 15	Discussion of "The Passage of Turbid Water through Lake Mead," by N. C. Grover and G. S. Howard, <i>American Society of Civil Engineers</i>
	1951, "Geologic History of Sea Water: An Attempt to State the Problem," <i>Bulletin of the Geological Society of America</i>
	Correspondence
	Illustrative materials (2 folders)
	Printed version
	Requests for copies, 1951-1954, 1973, undated
	Research notes
	Abundance of gases
	Area of continents and thickness of sediments
	Average shale
	CaCO <sub>2</sub>
	CO <sub>2</sub> equivalent
	Deposition and saturation
	Population and effect on CO <sub>2</sub> equilibrium
	River water added
	CO <sub>2</sub> vs. pH
	8, 15%
	30, 19.37%
	CO <sub>2</sub> equilibrium only
	K <sub>1</sub> CaCO <sub>2</sub> , K <sub>1</sub> CaSO <sub>4</sub>
BOX 16	Original calculations
	Saltwater, CaCO <sub>2</sub> , 8 19.37%
	Composition of earth's crust
	Composition of Sandstone, Shale, Limestone
	Deep sea sediments
	General composition (2 folders)
	Glob ooze composition
	Porosity and density (2 folders)
	Relative volume
	Escape of gases
	Escape velocity
	Equilibrium constant
	Excess volatiles
BOX 17	General (3 folders)
	Geochemistry
	Calculations of a and c, Recent-Eocene
	Deep sea and continental sediments (2 folders)
	Devonian-Permian

## Speeches and Writings, 1923-1974

### Container

### Contents

---

	€-Silurian
	Pre €-Silurian
	Recent-Eocene
	Recent-Eocene and general
	Recent
BOX 18	TR-K
	Geogram., 5%, C <sub>1</sub>
	Isostatic considerations
	Isostatics and differentials
	Mean composition of continents and deep sea sediments
	Na, SO <sub>3</sub> , C <sub>1</sub> , O <sub>2</sub>
	Oceanic thermal gradients
	Partial melting
	pH of primitive oceans
	(2 folders)
	Pressure vs. depth
	Spitzer equation
	Thermal springs
	Thickness
	Water
BOX 19	1955
	“The Development of the Hydrosphere and Atmosphere, with Special Reference to Probable Composition of the Early Atmosphere,” <i>Crust of the Earth Symposium, Geological Society of America</i> , special paper <i>See also Container 35, 1954, Oct. 14</i>
	Correspondence, 1953-1955
	Drafts
	(4 folders)
	Printed version
	Research notes, 1954-1955
	Atmosphere from cosmic abundance
	Atmosphere from excess volatiles
	Revision notes
	“Early Structural History of the Overthrust Belt of Western Wyoming and Adjacent States,” <i>Wyoming Geological Association Guidebook</i> , 1952-1955
	1959
	“Role of Fluid Pressure in Mechanics of Overthrust Faulting,” co-authored with M. King Hubbert, <i>Bulletin of the Geological Society of America</i> <i>See also Container 37, 1957, Nov. 5</i>
	Corrections
	Correspondence, 1957-1961
	(6 folders)
BOX 20	Critiques and editing by colleagues, 1958
	Drafts, 1958
	(6 folders)
	Errata
BOX 21	Illustrative materials
	Printed version

## Speeches and Writings, 1923-1974

### Container

### Contents

---

	Requests for copies, 1959-1969, undated
	Research notes
	Abnormal pressure and rate of sedation
	Diagrammatic structure sections
	Fault thrusts
BOX 22	General
	(3 folders)
	Geologic rates in past, world maximum thickness
	Gulf coast
	(2 folders)
	[K <sup>1</sup> /a <sup>3</sup> vs. ε]
	p <sup>+</sup> /D, D and P
	Permeability
	Krumbein and Casagrande
	Overthrust belt
	Perry-porosity diagram, 1958-1959
	Rates of deformation
	Rates of geosynclinal sinking
	Relative thickness of differential ages
	Slide origins of thrusts
	Terzaghi, Macey
	Theory
	“Role of Fluid Pressure in Mechanics of Overthrust Faulting: A Discussion by D. T. Griggs and C. B. Raleigh,” <i>Bulletin of the Geological Society of America</i>
	“Role of Fluid Pressure in Mechanics of Overthrust Faulting: A Discussion by Walter L. Moore and Lymon C. Reese,” <i>Bulletin of the Geological Society of America</i>
BOX 23	1960
	“Mechanics of Overthrust Faulting and the Development of Abnormal Fluid Pressure,” co-authored with G. T. Griggs and C. B. Raleigh
	Correspondence, 1959-1960
	(8 folders)
	Draft
	“Orogeny,” <i>McGraw-Hill Encyclopedia</i> , 1958-1960
	“Role of Fluid Pressure in Mechanics of Overthrust Faulting: Reply to a Discussion by Hans P. Laubscher,” <i>Bulletin of the Geological Society of America</i>
	Correspondence, 1959-1960
	Drafts
	(2 folders)
	Printed version
BOX 24	1961
	“Age of the Evanston Formation, Western Wyoming,” <i>Wyoming Geological Association Guidebook and Short Papers in the Geologic and Hydrologic Sciences</i> , United States Geologic Survey
	“Diamictite Facies of the Wasatch Formation in the Fossil Basin, Southwestern Wyoming,” <i>Short Papers in the Geologic and Hydrologic Sciences</i> , United States Geological Survey

## Speeches and Writings, 1923-1974

### Container

### Contents

---

- “Role of Fluid Pressure in Mechanics of Overthrust Faulting: Reply to Discussion by Francis Birch,” co-authored with M. King Hubbert, *Bulletin of the Geological Society of America*
- “Role of Fluid Pressure in Mechanics of Overthrust Faulting: Reply to Discussion by Walter L. Moore,” co-authored with M. King Hubbert, *Bulletin of the Geological Society of America*
- 1965, “Role of Fluid Pressure in Mechanics of Overthrust Faulting: Reply to Discussion by Gregory A. Davis,” co-authored with M. King Hubbert, *Bulletin of the Geological Society of America*
  - (3 folders)
- 1966
  - “Orogeny,” *McGraw-Hill Encyclopedia*, 1966-1967
  - “Tectonic Implications of Gypsum Dehydration,” co-authored with Hugh C. Heard, *Bulletin of the Geological Society of America*
    - Correspondence, 1963-1965
    - Critiques and editing by colleagues, 1964-1965
    - Drafts
      - (3 folders)
    - Printed version
    - Requests for copies
    - Research notes
      - General
      - Gypsum and ophiolites
    - Revisions
- BOX 25
  - 1968, “The Denver Earthquakes,” *Science* [\*For additional material see Containers 45-47, Denver earthquakes\*](#)
    - Award, Intersociety Committee for Rock Mechanics
    - Correspondence, 1967-1969
    - Drafts
    - Illustrative materials
    - Printed version
    - Research notes
      - Bleed off period
      - CO<sub>2</sub> and photosynthesis
      - Calculations
        - General
        - Stress for pumping and gravity flow pressure
      - Carbon
      - Carbon cycle and brucite deposition
      - Daily earthquake magnitudes
      - Depth to static head
      - Derby earthquakes
      - General
      - Hoover, Donald
      - Magnitude frequency
- BOX 26
  - Occluded gases and volcanic fumaroles
  - Period F, second shutdown

## Speeches and Writings, 1923-1974

### Container

### Contents

---

	Permeability and time lag
	Q's, $\Delta$ 's, daily earthquake magnitudes
	Seismic magnitude and energy
	TCO <sub>2</sub> , carbon and non-carbon
	Thermal contraction
	Time lag
	Days
	(2 folders)
	Months
	Transient earth strains
	Van Poollen reports
	Volcanic gas calculations
	Water content and temperature of silicate melts
	Well head pressure, injection volumes, and quakes
	Z, confidence limits, etc., by days
	Revisions
BOX 27	1969, "Role of Cohesive Strength in the Mechanics of Overthrust Faulting and of Landsliding: Discussion," <i>Bulletin of the Geological Society of America</i>
	1971, "Orogeny," <i>McGraw-Hill Encyclopedia</i>
	1973, "New Cretaceous Formations in the Western Wyoming Thrust Belt," <i>Geological Survey Bulletin</i> , United States Geological Survey
	Correspondence and distribution list
	Printed version
	Biographical memoirs of colleagues
	1957, Charles K. Leith
	1970, Harry H. Hess
	Book introductions
	1963, <i>The Earth</i> , Life Nature Library series
	1968, <i>The Earth</i> , Life Nature Library series
	1974, "Fifty Years of the Earth Sciences; A Renaissance," introductory chapter to <i>Annual Review of Earth and Planetary Sciences</i>
	Correspondence, 1972-1974
	Drafts
	Notes
	Printed version
	Book reviews
	1934, <i>The Deformation of the Earth's Crust</i> , by Walter H. Bucher
	1941, <i>Strength and Structure of the Earth</i> , by Reginald A. Daly
	1966, <i>Advances in Earth Sciences</i> , ed. by P. M. Hurley
	1968, <i>Government in Science: The U.S. Geological Survey</i> , by Thomas G. Manning
	Manuscripts critiqued by Rubey
	1926, "Oil Possibilities of the Black Hills Region," by E. G. Sinclair
	1927, "The Effect of Gravitational Compaction on the Structure of Sedimentary Rocks," by H. D. Hedberg
	1928, "The Compressibility of Sand-mica Mixtures," by Glennon Gilby
	1935, "Sedimentary Size Frequency Curves," by William C. Krumbein



## Speeches and Writings, 1923-1974

### Container

### Contents

---

	1941, "Some Experiments on the Transportation of Suspended Load," by V. A. Vononi and "Rational Equation of River-bed Profile," by S. A. Shulits
	1942, "Phosphorite Deposits on the Sea Floor off Southern California," by R. S. Dietz, O. Emery, and F. P. Shepard, 1941-1942 (2 folders)
<b>BOX 28</b>	1950, "Water in Primordial and Derivative Magma and its Relations to the Pre-forming Fluid," by John D. Ridge
	1952, "Hypsometric Analysis of Erosional Topography," by Arthur N. Strahler
	1954, "Role of Water in Metamorphism," by Hatten S. Yoder, Jr.
	1960, "Evolution of Ocean Basins," by Harry H. Hess
	1962, "The Sodium Cycle and the Age of the Ocean," by D. A. Livingstone Correspondence and drafts Research notes (7 folders)
	1963, "Rate of Growth of Continents," by Frank A. Menard
	1968, "Geometric and Physical Sealing of River Dimensions on the Earth and Moon," by J. J. Gilvarry
<b>BOX 29</b>	1973, "The Amsden Formation (Mississippian and Pennsylvanian) of Wyoming," by William J. Sando, MacKenzie Gordon, Jr., and J. T. Dutro (4 folders)
	Undated "Mineralogy, Petrography, and Petrology of the Carbonate and Phosphate Rocks of the Phosphatic Shale Member of the Phosphoria Formation at Coal Canyon, Wyoming," by R. A. Gulbrandsen
	Miscellaneous writings Critiques, 1946-1952, undated Fragments, 1927-1932, undated Letter with research notes to L. T. Aldrich, 1957
<b>BOX 30</b>	Manuscripts, undated "Auburn Hot Springs" Drafts Research notes (2 folders) "Carbon Dioxide Equilibria and the Hydrogen Ion Concentration of Natural Surface Water" "The Graded Slopes and Profiles and the Adjusted Cross-sections of Streams" Drafts Research notes (3 folders) "The Monoclines and Echelon Faults of the Western Flank of the Black Hills" Notes of philosophical nature, relating to earth sciences, undated Speech materials, 1962-1969
<b>BOX 31</b>	Press releases, United States Geological Survey, 1922-1926 Reports, United States Geological Survey 1923, "Progress Report on a Subsurface Study of the Pershing Oil and Gas Field, Osage County, Oklahoma" 1936, "Mineral Resources of the Region around Boulder Dam"

## Speeches and Writings, 1923-1974

### Container

### Contents

---

	1967, "Chemical Composition of Sedimentary Rocks in Colorado, Kansas, Montana, Nebraska, North Dakota, South Dakota, and Wyoming"
	Correspondence, 1956-1971
	(2 folders)
	Drafts
	Chapter, "Statistical Summaries"
	(2 folders)
	Introduction
	(2 folders)
	Illustrative materials
	Research notes
	Average analyses of corefindings
	(2 folders)
	Carbons
	Confidence limits
BOX 32	Data relating to Kansas
	(2 folders)
	Dixon and Massey
	Equations and derivations
	Future computations
	Means and standard deviations
	Miscellaneous
	Nanz
	Normal to lognormal conversion
	Shaw, Nanz and Clarke
	Shaw, pelitic rocks
	Ss
	Standard deviations
	Student tests
	t.975df
	Tables
	(2 folders)
	Thickness and number analyses
	Research materials
	Airy roots
	Common rock making constituents
BOX 33	Computations for compilations
	(4 folders)
	Cretaceous system in the Japanese islands
	Depth of differentiation
	Fossil fuel
	Freedom station
	Geology 262
	Glaucophane schist
	Graywacke computations
	Gulf coast wells
	Lake and stream waters

## Speeches and Writings, 1923-1974

### Container

### Contents

---

BOX 34

- Metakaolinite, first tries
- Metakaolinite, general
- Research notes
- Metakaolinite, reactions
- Mineral formulas
- Miscellaneous
- Mm/Ms
  - (2 folders)
- Speeches
  - 1926, Jan. 13, "Stream Piracy in North-eastern Wyoming," Geological Society of Washington, Washington, D.C.
  - 1927, Feb. 9, "The Origin of the Mowry Shale," Geological Society of Washington, Washington, D.C.
  - 1928, Jan. 11, "Possible Varves in Marine Cretaceous Shale in Wyoming," Geological Society of Washington, Washington, D.C.
  - 1931
    - Feb. 25, "The Illinois River, a Problem in Channel Equilibrium," Geological Society of Washington, Washington, D.C.
    - "A Need for Closer Cooperation among Students of Stream Work," American Geophysical Union, Washington, D.C.
  - 1932, May 11, "Alluvial Islands: Their Origin and Effect upon Stream Regimen," Geological Society of Washington, Washington, D.C.
  - 1933, "Equilibrium Conditions in Debris-laden Streams," American Geophysical Union, Washington, D.C.
  - 1935, Apr. 10, "The Force Required to Move Particles on a Stream Bed," Geological Society of Washington, Washington, D.C.
  - 1940, Feb. 28, "Chemical Evidence Bearing on Origin of a Group of Hot Springs," Geological Society of Washington, Washington, D.C.
  - 1943, "Vanadiferous Shale in the Phosphoria Formation, Wyoming and Idaho," American Institute of Mining and Metallurgical Engineers, New York, N.Y.
  - 1948, Dec., "The Problem of Changes in Composition of Sea Water and Atmosphere during the Geologic Past," Geological Society of Washington, Washington, D.C. *For additional material see Containers 15-18, 1951, "Geologic History of Sea Water"*
  - 1949
    - Apr. 8, "Formation of the Earth's Atmosphere," Historical Geophysics Seminar, Carnegie Institution of Washington, Washington, D.C.
    - Apr. 13, "Possible Mechanism for Continuous Supply of Volatiles at the Earth's Surface," Geological Society of Washington, Washington, D.C.
    - Dec. 13, "Sea-water and Atmosphere through the Past: A Problem in General Geology," Geological Conference, Harvard University, Cambridge, Mass.
  - 1950
    - Jan., "Lines of Evidence for Estimating Volume of Primitive Ocean," Unidentified group, Santa Fe, N. Mex.
    - Mar. 28, "The Problem of Origin of the Atmosphere and Ocean," classroom lecture
    - Oct. 12, "Geologic Evidence regarding the Science of the Earth's Hydrosphere and Atmosphere," National Academy of Sciences, Schenectady, N.Y.
      - (2 folders)
    - Nov. 16, "Geologic History of Sea Water," Geologic Society of America, Washington, D.C.

## Speeches and Writings, 1923-1974

### Container

### Contents

---

	Drafts (2 folders) Notes and printed materials
BOX 35	1951, "The Development of the Oceans and Atmosphere," traveling lecture arranged by the American Association of Petroleum Geologists 1952, "Seismic and Chemical Evidence on the Depth of Differentiation below the Continents," Conference on Nuclear Abundances of Elements, Yerkes Observatory, Williams Bay, Wisc. Agendas and correspondence Drafts Research notes (2 folders) 1953 Feb. 11, "Possible Tectonic Effects of Fractional Melting and Crustal Spreading," Geological Society of Washington, Washington, D.C. Drafts Research notes (3 folders) Apr. 11, "Hypothesis regarding the Origin of Continents and the Ocean," South Carolina Academy of Sciences, Columbia, S.C. May 5, "Tectonic Consequences of Crustal Growth by Selective Fusion," American Geophysical Union, Washington, D.C. June 9-11, "Geochemistry," Conference on Biochemistry, Paleoecology, and Evolution, Shelter Island, N.Y. Dec. 29, "The Origin of Ocean Water," American Association for the Advancement of Science," Boston, Mass. 1954 Oct. 14, "The Development of the Hydrosphere and Atmosphere," Crust of the Earth Symposium, Columbia University, New York, N.Y. <i>See also Container 19, 1955, same title</i> Dec. 16, lecture given at Scripps Oceanographic Institute, San Diego, Calif. Lectures given at the University of California, Los Angeles, Calif. Drafts and outlines Research notes Melting order (3 folders) Radioactive heat (2 folders) Thermal gradients White at U.C.L.A. (2 folders)
BOX 36	1955 Oct. 20-22, "Role of Volatiles in Geological Process," Geophysical Laboratory, Washington, D.C. Lecture given at the California Institute of Technology, Pasadena, Calif. 1956, lectures given at Johns Hopkins University, Baltimore, Md. (5 folders)
BOX 37	1957

## Speeches and Writings, 1923-1974

### Container

### Contents

---

July 15, "Partial Fusion of the Deep Interior as a Continuing Source of the Earth's Atmospheric Hydrosphere and Crust," Shell Laboratories, Houston, Tex.

Nov. 5, "Role of Fluid Pressure in Mechanics of Overthrust Faulting," co-authored and presented with M. King Hubbert, Geological Society of America, Atlantic City, N.J. *See also Containers 19-22, 1959, same title*

Correspondence, 1956-1958

Drafts

1962, Dec. 4, "Geochemistry of Sediments," University of California, Los Angeles, Calif.

1963, Nov. 20, "Possible Tectonic Significance of Transformation of Gypsum to Anhydride plus Water," Geological Society of America

1965

Apr. 19, "Mountain Building," University of California, Los Angeles, Calif.

May 15, "Geology, Where, Wither?" University of Missouri, Columbia, Mo.

Correspondence and printed materials

Drafts and notes

1967

Jan. 16, re overthrust tectonics, Colorado Scientific Society, Denver, Colo.

Apr. 3, "Waste Disposal and Earthquakes in the Denver area," Indiana University, Bloomington, Ind.

Oct. 19-20, "The Geologic History of the Hydrosphere and Atmosphere," Western Michigan University, Kalamazoo, Mich.

Oct. 28-29, "The Geologic History of the Hydrosphere and Atmosphere," University of Wisconsin, Madison, Wisc. *For additional material see same container, 1967, Oct. 19-20*

1968

May 13, re Denver earthquakes, Scripps Oceanographic Institute, San Diego, Calif.

Aug. 7, re Denver earthquakes, Lockheed Propulsion Company Branch, Scientific Research Co. of America, Redlands, Calif.

Oct. 7, "Primitive Oceans and the Atmosphere," Cornell University, Ithaca, N.Y.

1971, May 21, lecture on the history of science during the twentieth century

1972, Aug. 25, "Mountain-making in Western Wyoming," International Geologic Congress, Montreal, Canada

Undated, "Stream Piracy in Northeastern Wyoming,"

Television appearances, "The Rains Came," episode of "Our World in Space," 1956

### BOX 38-95

#### Subject File, 1915-1974

Correspondence, memoranda, reports, notes, press releases, minutes of meetings, newspaper clippings, maps, photographs, and printed matter pertaining to Rubey's activities as a geologist for the United States Geological Survey and as a member of various scientific, professional, and educational organizations.

Arranged alphabetically by topic or type of material and therein chronologically.

### BOX 38

Academy of Natural Sciences

American Academy of Achievement, 1964

American Academy of Arts and Sciences

Correspondence and memoranda, 1952-1973

Symposium on Climatic Change, 1952

American Association for the Advancement of Science

Commission on Science Education, 1968-1969

## Subject File, 1915-1974

### Container

### Contents

---

	Committees
	Committee on Arid Lands
	Correspondence, 1971-1973
	Meetings, 1972-1973
	Position papers, 1972-1973
	Committee on Desert and Arid Zone Research, 1959-1962
	(2 folders)
	Other committees, 1939-1961
	(2 folders)
	Conferences and symposia
	International Oceanographic Conference
	Agendas and memoranda, 1958-1959
	Correspondence, 1957-1959
	Notes, 1957-1959
	Parliament of Science, 1958
BOX 39	Science and Man in the Americas, 1972-1973
	Symposium on the History of American Geology, 1958
	(2 folders)
	Correspondence and memoranda, 1947-1974
	Meetings, 1961-1969
	(2 folders)
	Miscellany, 1958, 1963
	Newcomb Cleveland Prize, 1951-1961
	(4 folders)
BOX 40	Philanthropic activities, 1957-1959
	<i>Science</i> editorial board, 1948-1972
	American Association of Petroleum Geologists, 1946-1971
	American Astronomical Society, 1969
	American Geological Institute
	Articles of organization, 1947-1950
	Brochures, newsletters, and press releases, 1950-1954, undated
	Committees
	Evaluation Committee, 1959
	Geological Society of America Committee on the Activities and Organization of the
	American Geological Institute, 1958-1959
	(3 folders)
	Reorganization Committee, 1959-1960
	(2 folders)
BOX 41	Translation Committee, 1959
	Correspondence and memoranda, 1947-1964
	(5 folders)
	Minutes of meetings
	Board of directors, 1947-1954
	(3 folders)
	Executive Committee, 1950-1953
	Notes and miscellany, 1947-1953, undated

## Subject File, 1915-1974

### Container

### Contents

---

	Reports, 1946-1959 (2 folders)
	Transcript of proceedings of an informal assembly of thirteen geological organizations, 1945
	Visiting geological scientist program, 1962-1963
<b>BOX 42</b>	American Geophysical Union
	Bylaws and statutes, 1945
	Committees
	Committee on <i>American Journal of Geophysics</i> , 1936-1942
	Committee on Dynamics of Streams
	Correspondence and memoranda, 1932-1948
	Subcommittee on Land Forms, 1931-1943
	Subcommittee on Sediment Terminology, 1933-1946
	Committee on Meetings
	Correspondence and memoranda, 1935-1938 (2 folders)
	Notes and miscellany, 1937-1938
	Committee on Membership of the Union, 1938-1947
	Committee on Nominations, 1945-1946
	Correspondence and memoranda, 1931-1973
	Hydrology section, 1935-1936, 1961-1962
	Lists of members, 1937-1938
	Minutes of meetings, 1937-1938
	Venus panel, 1947, 1969
	Walter H. Bucher Medal, 1969
<b>BOX 43</b>	American Men of Science, 1958-1961
	American Philosophical Society
	Committee on Meetings, 1959-1960
	Correspondence, 1953-1960, 1970
	Programs, lists, and other materials relating to meetings, 1952-1973 (5 folders)
	Cambridge Radio Observatory, Cambridge, Mass., 1967
	Carnegie Institution of Washington, Washington, D.C.
	Board of Trustees, 1961-1973 (2 folders)
<b>BOX 44</b>	Chile telescope, 1964-1971 (2 folders)
	Committee for Selection of a New President, 1969-1970
	Conferences and symposia
	Geophysical Laboratory Metamorphic Facies Symposium, 1956
	Symposium honoring Caryl Haskins, 1970-1971
	Correspondence and notes regarding reprint of "The California Earthquake of April 18, 1906"
	Hale Observatory, Pasadena, Calif., 1970-1971
	Miscellany, 1962-1972
	Newsletters, 1971-1974
	Press releases, 1969-1971
	Tax exemption status, 1964-1971

## Subject File, 1915-1974

### Container

### Contents

---

BOX 45	Denver earthquakes Advanced Research Projects Agency, Rangely study Correspondence, 1969-1973 Meetings, 1969-1971 (2 folders) Proposals, 1969 Reports, 1970 Background materials Articles and newspaper clippings, 1966-1973 Research papers, undated Colorado School of Mines, Golden, Colo. Monthly reports of seismic activity, 1962-1970 Other reports, 1967 (2 folders) National Academy of Sciences, 1972 National Center for Earthquake Research, 1965-1966
BOX 46	Office of Science and Technology panel Correspondence and notes, 1966, undated Minutes of meetings, 1966, undated Reports, 1967 Reports by consulting geologists Rubey, 1966-1967 (3 folders) Others, 1966, undated (3 folders) United States Army Corps of Engineers Charts <i>See also Oversize</i> Daily injections, 1962-1966 (2 folders)
BOX 47	Daily pressure recordings, undated (2 folders) Injection quantities, 1962 Water-level measurements, 1966-1968 Well-head pressure, 1962-1965 Correspondence and memoranda, 1965-1967 Notes and miscellany, 1966, undated United States Geological Survey Correspondence and memoranda, 1965-1968 Reports, 1966 (2 folders)
BOX 48	(2 folders) Federal Council for Science and Technology, 1967-1968 Geochemical Society, 1956 Geological Society of America Committees Ad Hoc Committee on Membership Policy, 1958 Committee on the Seventy-fifth Anniversary of the Society, 1959-1961



## Subject File, 1915-1974

### Container

### Contents

---

	Committee on Honors and Awards
	Apollo astronauts, 1971-1972
	National Medal of Science
	Correspondence, 1970-1974
	(3 folders)
	Notes and miscellany, 1970-1974
	Committee on nominations, 1949-1950, 1959
BOX 49	Committee on the War Effort (World War II)
	Background materials on Germany's use of geology during wartime
	Articles, 1942
	Correspondence, 1935
	Camouflage information, 1942
	Correspondence, 1942-1945
	(7 folders)
	Education and employment information, 1941-1943, undated
	Draft, peacetime legislation, undated
	Lists of geologists, 1942
	Memoranda, 1938-1945
	Notes and miscellany, 1942-1943, undated
BOX 50	Reports, 1942-1947, undated
	Topographic guide, 1942
	Executive Committee, 1951-1958
	(2 folders)
	Cordilleran section, 1966-1967
	Correspondence
	Miscellaneous, 1948-1974
	Secretary of Society, 1935-1958
	(8 folders)
	Kirk Bryan Award, 1961
	Meetings, 1963-1966, 1973
BOX 51	Penrose conference, 1970-1971
	Publications
	Anniversary book, 1962
	Bibliography on continental drift, 1971-1974
	Manuscript reviews, 1970-1972
	Rocky Mountain section, 1963-1967
	Harvard University, Cambridge, Mass.
	Committees
	Ad Hoc Committee on Geological Sciences, 1953-1960
	Selection of a New President Committee, 1970
	Visiting Committee on Geological Services, 1959-1970
	Proposal, "A program for science in Harvard University," 1966
	Symposium in honor of Francis Birch, 1969-1970
	Indiana University, Bloomington, Ind., summer institute in field geology, 1961
	Istituto della Enciclopedia Italiana, 1974
	Intermountain Association of Geologists, field trip, 1967
	International Colloquium on Mars, 1973

## Subject File, 1915-1974

### Container

### Contents

---

	International Geological Congress, 1959-1964
	International Union of Geodesy and Geophysics, 1950
	International Union of Pure and Applied Chemistry, 1953-1961
	Johns Hopkins University, Baltimore, Md., 1958-1970
BOX 52	Joint Research and Development Board, 1947-1950
	<i>Journal of Marine Research</i> , 1960-1963
	Lunar Science Institute
	Advisory Committee, 1968-1971
	Apollo 12 Lunar Science Conference, 1970-1971
	Articles and newspaper clippings, 1969-1972
	Correspondence and memoranda, 1968-1974
	(2 folders)
	Library, 1969
	Lists of papers published by members, 1971
	Lunar Sample Review Board
	Annual reports, 1971
	Appointments to board, 1970-1971
	Correspondence and memoranda, 1970-1972
	Meetings, 1970-1971
	(2 folders)
BOX 53	Miscellany, 1970-1974, undated
	Newsletters, 1969-1971
	Portraits of Lloyd Berber and Harry Hess, 1970-1971
	Press releases, 1968-1970
	Summer study on post-Apollo lunar science, 1972
	Visiting professors' program, 1969-1973
	Massachusetts Institute of Technology, Cambridge, Mass., 1951-1960
	McGraw-Hill Encyclopedia of Science and Technology, editorial advisory board, 1955-1974, undated
	(6 folders)
BOX 54	Mohole project
	American Miscellaneous Society Committee
	Agreement re role of Committee, 1962-1963
	Background materials re Soviet drilling, 1962-1963
	(2 folders)
	Correspondence and memoranda
	1957-1963
	(9 folders)
BOX 55	1963-1964
	(3 folders)
	Lists of members, 1958-1963
	Minutes of meetings, 1957-1963
	(5 folders)
	Notes and miscellaneous lists, 1961-1965, undated
	Panels
	Drilling techniques, 1959-1963
	Naval architecture, 1962-1963

## Subject File, 1915-1974

### Container

### Contents

---

	Oceanic sediments drilling, 1962-1963
	Scientific objectives and measurements, 1959-1963 (2 folders)
<b>BOX 56</b>	Site selection, 1960-1964
	Press releases, 1961-1964
	Proposals, 1962-1963 (4 folders)
	Reports, 1959-1963
	Reviews of other reports, 1962-1963
	Articles, 1957-1964 (3 folders)
<b>BOX 57</b>	Brown and Root, Inc.
	Management plan and statement of qualifications, 1961 (2 folders)
	Reports
	Department of Navy
	Abstract presentation to Bureau of Yards and Docks, 1964
	Progress report, 1964
	Engineering plans, 1963 (4 folders)
<b>BOX 58</b>	(8 folders)
<b>BOX 59</b>	(6 folders)
	Preliminary report, 1962
<b>BOX 60</b>	Scientific and technical progress reports, 1963-1964 (7 folders)
<b>BOX 61</b>	Weekly progress reports, 1962-1964 (3 folders)
	Congressional floor statements, 1963-1966
	Congressional hearings, 1963
	Joint Oceanographic Institution, 1965
	Miscellany
	Correspondence, 1959-1966
	Press releases and technical papers, 1943-1961, undated
	National Science Foundation
	Briefing sessions, 1961
	Brochures, undated
	Committees
	Ad Hoc Committee to Review Proposed Programs for Drilling and Sampling the Oceanic Crust, 1963, undated (4 folders)
<b>BOX 62</b>	Special National Science Board Committee on Oceanic Drilling, 1963
	Correspondence and memoranda, 1960-1967 (4 folders)
	Minutes of meetings, 1963-1965
	Press releases, 1963-1966
	Reports, 1965-1966 (2 folders)

## Subject File, 1915-1974

### Container

### Contents

---

<b>BOX 63</b>	Selection of contractor Contract, 1962 Correspondence and memoranda, 1961-1963 Newspaper clippings, 1958-1971 (3 folders) National Academy of Sciences Atomic Energy Commission fellowship program, 1949-1951 (2 folders) Awards Antonio Feltrini Award, 1965 Arthur L. Day Prize, 1971-1972 Centennial program, 1963-1964 Committees Ad Hoc Committee to Consider Merger of Geophysics and Geology sections, 1967 Committee on Arrangements, 1946-1950, 1957 Committee on Arthur L. Day Bequest, 1966-1972 (6 folders)
<b>BOX 64</b>	Committee on the Endowment of the Academy, 1965-1966 Committee on Government Relations, 1962 Committee on the Murray Fund, 1948-1951 Committee on Natural Resources, 1961-1963 (3 folders) Committee on Nominations, 1947-1972 (2 folders) Committee on Polar Research, 1958 Committee on Science and Public Policy Background materials, 1962-1963
<b>BOX 65</b>	Correspondence and memoranda, 1961-1964 (3 folders) National Institute of Health, 1963 Newspaper clippings and press releases, 1962-1963 Reports, 1963-1964 (4 folders)
<b>BOX 66</b>	Statements before congressional committees, 1963 Study on computer use Correspondence, 1962-1963 Reports, 1964 (3 folders) Committee on Scientific Personnel in the Armed Services, 1950-1951 Committee on SST-Sonic Boom, 1968 Library Committee, 1946 Miscellaneous, 1946-1952 Search Committee for a Director of the United States Geological Survey, 1965-1971 Selection Committee for the G. K. Warren Prize, 1969-1974 Standing Committees on Meetings, 1947-1948 Conferences and symposia Conference on Major Biologic Innovations and the Geologic Record, 1961

## Subject File, 1915-1974

### Container

### Contents

---

<b>BOX 67</b>	Conference at Rancho Santa Fe, Santa Fe, N.Mex., 1961 International Geophysical Year Geo-chemical discussion, 1956 Symposium on results, 1963 International Scientific, 1964-1968 Symposium on Basic Research, 1959 Council for the Academy, 1954, 1965 Editorial board, 1947-1957 Environmental studies board, 1967-1968 Lists of publications, undated Meetings, 1947-1969 (3 folders) Miscellany, 1947-1973 Space Science Board Correspondence, 1968-1973 Meetings General, 1969-1972, undated Lunar and Planetary Missions Board, 1970
<b>BOX 68</b>	Summer study program, 1962-1970 (5 folders) State University of New York, Stony Brook, N.Y., 1967 Unidentified flying objects, 1968-1969 National Aeronautics and Space Administration Ad Hoc Working Group on Apollo Scientific Experiments and Training Correspondence and memoranda, 1962-1963 Reports, 1962 Earth Resources Technology Satellites, geology panel Correspondence and memoranda, 1970-1971 Lists of panel members and notes, 1971
<b>BOX 69</b>	Proposal evaluations, 1971 Institute for Space Studies, 1961-1970 Lunar and Planetary Missions Board, 1969-1971 Miscellany, 1959-1973 (2 folders) Space Sciences Steering Committee, 1960-1963 Viking project, 1969-1970 (2 folders) National Conference on UNESCO Correspondence and memoranda, 1947 Printed materials, 1946-1947 National Research Council Annual reports for 1943-1946, 1953-1958 Atomic Energy Commission fellowship program, 1947-1949 Committees Advisory Committee for Office of Naval Research on Geophysics Agendas and minutes of meetings, 1947-1950 Correspondence and memoranda, 1947-1950

## Subject File, 1915-1974

### Container

### Contents

---

<b>BOX 70</b>	Notes and miscellany, 1947-1950 Committee on Hydrology, 1932-1936 Committee on Mineral Science and Technology, 1966-1970 Committee on Radioactivity, 1946-1950 Committee on Review Articles, 1950-1958 (2 folders) Committee on a Treatise on Marine Ecology and Paleoecology, 1953 Interdivisional Committee on Borderland Fields in Geology, Physics, and Chemistry Correspondence and memoranda, 1936-1938 (3 folders) Notes, 1936 Projects, 1936 Reports, 1937-1938 Correspondence and memoranda, 1932-1968 (2 folders)
<b>BOX 71</b>	Glossary of Nuclear Terms, 1949-1950 Meetings, 1967-1968 Panel on earthquake modification, 1972 (2 folder) National Roster of Scientific and Technical Personnel, 1940-1960 (2 folders) National Science Foundation Conference on Theoretical Geophysics, 1956 Divisional Committee for Mathematical, Physical, and Engineering Sciences, 1951-1955 Fellowship program, 1956-1963, 1973 (3 folders)
<b>BOX 72</b>	Legislation of interest Civil Rights Act, 1964 Kilgore bill, 1943-1945 Lists of congressional committees, 1965 National Science Foundation Act, 1960-1965 Miscellany, 1960-1965 National Register, 1966 National Science Board Advisory Committee for Minerals Research, 1961 Appointments and nominations to board, 1957-1966 Congressional hearings 1963-1966 (5 folders)
<b>BOX 73</b>	1966 (2 folders) Memoranda, 1952, 1962 Miscellany, 1963-1974 National Science Foundation Organizational charts, 1964-1965 Panels

## Subject File, 1915-1974

### Container

### Contents

---

	Advisory Panel on Minerals Research, 1952-1956 (2 folders)
	Panel on Earth Sciences, 1952-1957
	Research programs
	Oceanography studies, 1964-1965
	Proposals, 1956-1971
	Review journal in geophysics, 1962
<b>BOX 74</b>	University of Hawaii, Honolulu, Hawaii, Institute of Geophysics, 1955-1958 (2 folders)
	National Science Planning Board, 1958
	Office of Science and Technology
	Ad Hoc Panel on the Safety of Underground Testing, 1968-1969 (3 folders)
	Miscellany, 1962-1964
	Personal file
	Biographical and bibliographical information, 1973
	Calendars, 1966-1973 (2 folders)
	Notes re informal geological discussions held at Rubey's home, 1953-1958, undated (4 folders)
<b>BOX 75</b>	Memorial service, 1974
	Phi Beta Kappa Science Award Committee, 1968-1970
	President's Commission on the National Medal of Science, 1961-1973
	Rubey Conference on Crustal Evolution, 1973
	Science Service, 1955-1967 (2 folders)
	Seismic Study Group, 1948
	Society for Environmental Geochemistry and Health, 1968-1972 (2 folders)
	Society of the Sigma Xi, 1960-1967
	United States Geological Survey
	Branches
	General geology, 1959, undated
	Northern Rocky Mountains, 1961-1963
	Paleontology and stratigraphy, 1949-1956, undated
<b>BOX 76</b>	Committees
	Advisory Committee on Geochemistry of Carbonaceous Materials
	Correspondence and memoranda, 1952-1955
	Project descriptions
	Revisions, 1954, undated (2 folders)
	Summaries, 1953-1954 (2 folders)
	Geological Names Committee
	Carbonaceous nomenclature
	Stratigraphic nomenclature
	American Commission on Stratigraphic Nomenclature, 1951-1952, undated

## Subject File, 1915-1974

### Container

### Contents

---

	Background materials, 1915-1955, undated (2 folders)
	Correspondence and memoranda, 1915-1961, undated
	Minutes of meetings, 1930, 1961
	Notes, undated
	Reports, 1956, undated
<b>BOX 77</b>	Revision of nomenclature code, 1963-1964
	Laboratory Program Committee, 1955-1956 (3 folders)
	Library Committee, 1935-1949, undated
	Steering Committee for the Revision of the Data of Geochemistry, 1955-1959, undated
	Structure Symbols Committee, 1947-1952, undated
	Correspondence and memoranda
	Areal and nonmetalliferous section, 1928-1939 (2 folders)
	Geologists
	Chief geologist, 1924-1953
	Director of survey, 1930-1952
	Others, 1922-1961, undated (4 folders)
	Miscellaneous, 1923-1969, undated (3 folders)
<b>BOX 78</b>	Oil and gas section, 1921-1924 (5 folders)
	State geological surveys
	Illinois, 1928-1930 (3 folders)
	Kansas, 1924-1925
	Field work
	Administrative
	Equipment and employees, 1930-1954, undated (3 folders)
	Estimated expenses, 1931-1939, 1947
	Projects
	Ashland graphite-vanadium project, 1943
	Black Hills rim project, 1923-1928, undated (2 folders)
<b>BOX 79</b>	Cokeville project
	Correspondence and memoranda, 1945-1969 (6 folders)
	Expenses, 1950-1967 (2 folders)
	Lists of sample specimens, undated
	Group A
	Group B (2 folders)
<b>BOX 80</b>	Group C



**Subject File, 1915-1974**

**Container                      Contents**

---

	Group D
	Group E
	Group F1
	Group F2
	Colorado-Kansas
	Montana-Wyoming
	Indexes
	Manganese-bearing rocks
	Miscellaneous special categories
	Phosphate rocks
	Rock salt
	Saline deposits
	Miscellany, 1953, undated
	Reports, 1949-1967
	(3 folders)
	Magnetic anomalies in western Wyoming study
	Aero-magnetic profiles, 1962
<b>BOX 81</b>	Correspondence and memoranda, 1965-1966
	Graphs and maps, undated
	Mapping project
	Correspondence, 1947-1948
	Miscellany, 1947
	Notes, 1947, undated
	Reports and memoranda, 1943-1957, undated
	(4 folders)
	Paleotectonic map series, 1945-1963, undated
	(4 folders)
	Phosphate project
	Background information, 1947-1950, undated
	Charts and diagrams, undated
	Chemical analyses, 1932-1951
	Conferences, 1947
<b>BOX 82</b>	Correspondence and memoranda, 1935-1955
	Lists of sample specimens, 1942, undated
	(5 folders)
	Maps, undated
	Monthly reports, 1947-1948
	Notes, undated
	Computations
	General
	Thin sections and additional chemical tests
	Trench plots, 1942
	(2 folders)
<b>BOX 83</b>	Pierre Shale project
	Chemical analyses, 1956-1959
	(2 folders)

## Subject File, 1915-1974

Container	Contents
-----------	----------

---

	Correspondence and memoranda, 1956-1959 (2 folders)
	Meetings, 1956-1957, undated
	Monthly reports, 1957-1959, undated
	Notes, undated
	Aluminous clays
	Iron-rich rocks
	Preliminary data on geochemistry of Pierre shale, 1957-1962
	Rhenium investigations, 1939-1943
	Rocky Ford oil project
	Charts and maps, undated
	Correspondence and memoranda, 1925
	Lists of sample specimens, 1920, undated
	Mechanical analyses of samples, 1923, undated
	Notes, 1920-1924, undated (3 folders)
	Reports, 1923-1925, undated
BOX 84	Strategic minerals program
	Miscellaneous minerals, 1941-1943, undated
	Vanadium investigations
	Correspondence and memoranda, 1940-1943 (5 folders)
	Lists of sample specimens, 1942-1943
	Miscellany, undated
	Newspaper clippings, 1942-1943
	Notes
	General, undated
	Vanadiferous shale, 1943
	Press releases, 1943, undated
	Printed materials re investigations, 1943
	Reports
	Drafts, 1942 (2 folders)
BOX 85	Printed version, 1942
	Trench plots, 1938
	Tertiary mapping of southwest Wyoming, 1956-1957
	Trace elements investigations
	Correspondence and memoranda, 1944-1952 (2 folders)
	Notes, undated
	Reports and other materials, 1944-1947, undated
	Uranium investigations, 1947-1950, undated
	Miscellany, drawings and notes, 1947-1950, undated
	Monthly reports, 1920-1942 (5 folders)
	Monthly statistics, 1924-1941 (2 folders)

## Subject File, 1915-1974

### Container

### Contents

---

BOX 86	Other projects Aerial photography, 1945-1948, undated Atomic bomb testing, 1946 Black Shale conference, 1954-1956 (2 folders) Chesapeake Bay, 1943-1947 Civil Defense relocation, 1955 Clinch River area, Virginia, 1934 Geochemical Prospecting Unit, 1946-1951 Geology of radioactive raw materials, 1946 Gravity stations Background information, 1939, undated (2 folders) Charts and maps, undated Density analyses, 1939 Descriptions, undated
BOX 87	Isostatic reductions, undated Memoranda, 1939-1940 Notes, undated Compilations Data (2 folders) General Statistics Tables, modified Bouguer anomalies Hydrology, 1936-1939, undated Magnesium Incendiary Bomb Extinguishers, 1942 Mine and mill product analysis, 1952 Nuclear Energy Program, undated Oceanography, 1960 Parabola studies Charts and diagrams, undated Memoranda, 1944 Notes, undated Alternatives to imaginary construction
BOX 88	Apparent dip and thickness (2 folders) Ellipses and hyperbolas, undated General Plant fossils, 1923-1934, 1958, undated Pleistocene-Recent boundary studies, 1951-1952 Research Board for National Security, 1944-1945 Soil Conservation Service, 1935-1940 Spectrography, 1943-1951, undated Research notes Alpine-Fremont lake, undated Bassett and Jolibois, undated

## Subject File, 1915-1974

### Container

### Contents

---

	Calculations vs. reserve estimates, undated
	Canyons, undated
	Data relating to rivers
	Analyses of river profiles, 1929
	Bed-rock, Mississippi and Illinois, undated
	Comparisons, Illinois, Missouri and Mississippi, undated
	Distances and elevations, Illinois and Desplaines, undated
BOX 89	General information, Colorado and Missouri, 1928-1938, undated
	Meanders, undated
	Sheet wash, undated
	Diagrams of tetrahedrons, undated
	Kazokov, A. V., 1936-1937
	Magnesite, dolomite, and parasepiolete, undated
	Organic matter, 1936
	P <sub>2</sub> O <sub>5</sub> reserves, undated
	(2 folders)
	Probable error, undated
	Recalculations of S and H, undated
	Sublette ridge, undated
	World War II activities
	Director's paper on wartime activities, 1943
	Personnel placement, 1942-1943
	Postwar planning
	Memoranda and reports, 1943, undated
	Notes, undated
BOX 90	Publications re use of geology during war, 1920, 1941-1943
	(2 folders)
	Small war plants, 1944
	Staff lists, 1943
	United States Army Corps of Engineers, undated
	War minerals investigations, 1942-1943
	Water resources, 1941-1942
	United States-Japan Committee on Scientific Cooperation
	Background materials re Japanese scientific research, 1961
	Correspondence and memoranda, 1961-1963
	(4 folders)
BOX 91	(1 folder)
	Meetings
	1961-1962
	(7 folders)
BOX 92	1962-1963
	(6 folders)
	Projects, 1963
BOX 93	United States National Committee on Geology, 1961-1965
	(3 folders)
	Universities Space Research Association
	Bylaws and organizational information, 1969-1973

## Subject File, 1915-1974

### Container

### Contents

---

	Correspondence and memoranda, 1968-1971 (3 folders)
	Meetings, 1970-1974
	Notes, 1969-1971, undated
	Proposal for contract renewal, 1971
	University of California, Los Angeles, Calif.
	Academic Senate
	Advisory Committee on Selection of a President, 1966-1967
	Research Committee, 1964-1971 (2 folders)
BOX 94	All-University Faculty Conferences, 1961-1967, undated
	Bio-bibliographies, 1961-1973
	Committees
	Advisory Committee on Astronomy, 1963-1970
	Interdepartmental Committee on Geochemistry, 1962-1973
	Other committees, 1962-1968
	Department of Geology
	Curriculum studies, 1969-1973
	Davis campus, 1961-1963
	Newsletters, 1967-1973 (2 folders)
	Staffing, 1967-1968, undated
	Survey of graduate education, 1962-1963
	Institute of Geophysics and Planetary Sciences
	Correspondence, 1954-1971
	Reports, 1960-1970
	Miscellany, 1965-1974
BOX 95	University of Minnesota, Minneapolis, Minn., 1959-1960
	University of Missouri, Columbia, Mo., 1963-1967, undated
	Vetlesen Prize Award, 1960-1962, 1971
	Washington Academy of Sciences, 1930-1972 (2 folders)
	Yale University Press, 1958-1965, undated
	Woods Hole Oceanographic Institute, Woods Hole, Mass.
	Correspondence and memoranda, 1959-1973
	Lists of honorary trustees, 1966-1970
	Membership directories, 1967-1973
	Notes and miscellany, 1970-1972, undated
	Reports, 1972
BOX OV 1	<b>Oversize, 1962-1966</b>
	Graphs concerning earthquakes and well-head pressure in Colorado.
	Organized and described according to the series, containers, and folders from which the items were removed.
BOX OV 1	Subject file
	Denver earthquakes

United States Army Corps of Engineers  
Charts, 1962-1966 (Container 46)