RECORDS AND HISTORY OF THE
UNITED STATES GEOLOGICAL SURVEY

Clifford M. Nelson, Editor
U.S. Geological Survey Circular 1179

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Inventory of the Records of the United States Geological Survey
Record Group 57: In the National Archives

Compiled by Renée M. Jaussaud

The United States Geological Survey 1879 - 1989
U.S. Geological Survey Circular 1050

By Mary C. Rabbitt

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INVENTORY OF THE RECORDS OF
THE UNITED STATES GEOLOGICAL SURVEY

RECORD GROUP 57

IN THE NATIONAL ARCHIVES

Compiled by Renée M. Jaussaud

United States Geological Survey
and
National Archives and Records Administration

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4. George Otis Smith: April 30, 1907
5. Walter Curran Mendenhall: December 24, 1931
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6. William Embry Wrather: May 7, 1943
7. Thomas Brennan Nolan: January 27, 1956
9. Vincent Ellis McKelvey: December 8, 1971
Introduction

The United States Geological Survey (USGS) was founded by an act of Congress dated March 3, 1879 (20 Stat. L., 394-395). The provisions of the act specified that “the salary of the Director of the Geological Survey, which office is hereby established, under the Interior Department, who shall be appointed by the President by and with the advice and consent of the Senate, six thousand dollars: Provided, That this officer shall have the direction of the Geological Survey, and the classification of the public lands and examination of the Geological Structure, mineral resources and products of the national domain.” The act directed the termination of the three ongoing geological and geographic surveys (predecessor surveys) and the deposit of the USGS and other Federal scientific collections in the National Museum. Other clauses specified ethics for USGS employees. The act also provided for the publication of an annual report of the operations of the USGS, maps, and technical reports, a program of publications exchange, and the establishment of a library.

Although the agency was commonly referred to as the United States Geological Survey and routinely used that title on official publications, it was by the act of May 18, 1992 (106 Stat. L., 171), that the Federal Geological Survey officially became the United States Geological Survey.

The act of August 7, 1882 (22 Stat. L., 329), directed the USGS “to continue the preparation of a geologic map of the United States.” The legal interpretations of “national domain” in the USGS establishing legislation (or organic act) had restricted the agency’s operations to the public-land States and Territories west of the Mississippi River. As geologic mappers required accurate large-scale topographic maps on which to compile their data and interpretations, the new law was interpreted by the USGS as authorizing topographic and geologic mapping in the remainder of the United States. The Survey entered into cooperative arrangements with the States to conduct field examinations and compile maps.

Continuous funding for water-resources investigations by the USGS dates from the act of August 18, 1894 (28 Stat. L., 398), that specifically authorized “gauging the streams and determining the water supply of the United States, including the investigation of underground currents and artesian wells in arid and semiarid sections.” The “Weeks Act” of March 1, 1911 (36 Stat. L., 962), added responsibility for the examination of lands before they were purchased to “promote or protect the navigation of streams on whose watersheds they lie.”

The land-classification work specified in the organic act was not an active function of the USGS until 1906. That year the General Land Office and the USGS entered into a cooperative agreement that specified that the USGS was to be chiefly responsible for the examination and classification of lands and report its findings to the General Land Office for action. In 1908 the Land Classification Board was established in the Geologic Branch. In 1925 when the Bureau of Mines was transferred to the Department of Commerce the Mineral- and Oil-Leasing Divisions of the Bureau of Mines were transferred to the USGS. With the transfer the USGS’ new Conservation Branch acquired responsibility for administering the provisions of the Mineral Leasing Act of February 25, 1920 (41 Stat. L., 437), and related legislation that formed the basis of regulatory responsibilities in the USGS.

In 1907 the USGS established a Technologic Branch to administer the programs of fuel- and structural-materials testing and analysis. The act of May 22, 1908 (35 Stat. L., 226), provided for investigations into the causes of mine explosions. A Mine Accidents Division was set up in the Technologic Branch to conduct these investigations. In 1910 most of the Technologic Branch’s functions were transferred to the newly created Bureau of Mines. The same year structural-materials studies were transferred to the Bureau of Standards.

By 1920 the operational units that would carry out USGS programs for the next sixty years were in place - the Geologic Branch, Topographic Branch, Water Resources Branch, and Land Classification Board (later the Conservation Branch) [Organization Chart 1].
The first USGS Director, Clarence King, established field offices. John W. Powell, the second Director, closed the field offices and all off-season work was done at the Washington headquarters. Later the operational units found that field offices increased the staff's time for field work and ensured the direct oversight of year-round operations such as stream gaging. The location and number of field offices differed from one operational unit to another depending on type of work and need.

USGS staff served on USGS committees, such as the Geologic Names Committee, that drew on the experience and expertise of employees to better administer the agency’s programs; departmental and regional field committees, such as the Water Resources Committee, to coordinate departmental programs and formulate long-range plans within the department; and interagency and coordination committees, such as the Pacific Northwest Coordination Committee, to facilitate cooperation between agencies of the Federal Government. USGS staffers also attended meetings of other departmental committees as observers or to serve a liaison function. The professional staff of the USGS also participated in conferences and meetings of professional, industrial, and international scientific organizations.

In the 1930's the USGS undertook programs with funds appropriated for economic recovery under the administration the National Recovery Administration, the Public Works Administration and the Work Projects Administration. The level of cooperative work between the operational units of the USGS, particularly the Topographic and Water Resources Branches, and other Federal agencies and States increased with funding provided by economic-recovery appropriations.

During World War I and World War II the USGS reoriented its programs to support the war effort. Just before the United States entered World War I USGS geologists were gathering data about worldwide strategic-mineral production and consumption. During the war many experienced topographers were commissioned in the military to prepare maps. The water-resources staff made studies of ground water for the use of military installations. USGS involvement in World War II occupied more of the civilian staff over a longer period of time. The Branches worked under agreements with and funding from elements of the War Department to compile strategic terrain intelligence reports on enemy held areas, to identify the locations of critical minerals available to the enemy, and to prepare topographic maps of areas occupied by United States forces.

The growth of USGS programs and staff after World War II required fundamental changes in organizational structure. To handle the increased administrative demands on the Branch Chiefs, staff positions were created in the Divisions. In 1946 two staff units were added to the Topographic Branch, the Plans and Coordination Branch and the Research and Technical Branch. In 1948 the Technical Control and Programs Control Branches were added to the Water Resources Branch; an Executive Officer began work in the Geologic Branch; and the position of Chairman of the Unit Plan Committee was created in the Conservation Branch. In 1949 Federal branches were renamed divisions with subordinate branches; the divisions were restyled branches, with subordinate sections and units. Under Reorganization Plan No. 3 of 1950 other organizational and administrative changes were made in the USGS. The plan vested some of the authority that had been exercised by the Director in the Secretary of the Interior. In the next several years the staffing plans of the Divisions were evaluated with the object of reorienting the lines of authority. The process was essentially complete in by 1958 [Organization Chart 2].

In the 1930's it became evident to USGS geologists that oil-bearing geological structures in the California and Gulf of Mexico coastal plains extended offshore. In 1945 an Executive Order placed the natural resources of the Continental Shelf under the jurisdiction of the Secretary of the Interior. The Submerged Lands Act of 1953 established Federal jurisdiction over the Continental Shelf. The Outer Continental Shelf Lands Act of 1953 encouraged the exploration and development of fossil fuel and other mineral resources. Geological and geophysical exploration on the outer continental shelf was conducted by the Geologic Division and oversight of leasing and, later, application of environmental-protection laws, was the responsibility of the Conservation Division.
The National Environmental Policy Act of 1969, Coastal Zone Management Act of 1972, Water Resources Research Act of 1984, and other legislation about national environmental policy that reflected growing public concern about environmental and conservation matters augmented the work of the USGS. The Water Resources Division expanded a network of gaging stations set up to measure the flow of fresh water into estuaries. The Geologic Division developed new techniques for the study of marine geologic structures to determine environmental hazards associated with offshore drilling facilities. The Topographic Division used data from earth-observing satellites and high-altitude aircraft to compile maps to aid in land-use planning. The USGS established a data center in 1973 to collect data from remotely sensed sources under the Earth Resource Observation Systems (EROS) Program.

The Office of Earth Sciences Applications (OESA) succeeded the Land Analysis and Information Office, which had been established in 1975. Records concerning the earlier programs of the predecessor unit, the Geographic Applications Program are described with the records of the Office of the Geographer (entries 61, 65, and 66). The OESA was abolished in 1982 and its functions were dispersed to the National Mapping, Geologic, and Water Resources Divisions.

The Office of the Naval Petroleum Reserve in Alaska (ONPRA) was established in the Office of the Director of the Geological Survey in 1977. In 1974 the Navy Department began a new exploratory program in Alaska’s Naval Petroleum Reserve No. 4. The program was expanded with funds authorized by Congress. The Naval Petroleum Reserves Production Act of April 5, 1976 (90 Stat. L., 303), renamed the reserve the National Petroleum Reserve in Alaska and assigned the Department of the Interior oversight of the exploratory program and other duties associated with management of the reserve. In 1977 these tasks were delegated to the USGS. The program was terminated in 1982 and the oil and gas fields turned over to the North Slope Borough.

In 1982 the Minerals Management Service (MMS) was created by Secretarial Order 3071 (January 19, 1982) and amendment 1 (May 10, 1982) under the authority of Section 2 of Reorganization Plan 3 of 1950. The same year administrative functions relating to outer-continental-shelf leasing responsibilities in the Conservation Division were transferred to MMS. The following year revenue-management responsibilities of the Conservation Division were also transferred. Onshore leasing responsibilities on public and Indian lands were transferred to the Bureau of Land Management.

In 1993 Secretarial Order 3173 (September 29, 1993) established a National Biological Survey in the Department of the Interior composed of functions transferred from the United States Fish and Wildlife Service, National Park Service, Bureau of Land Management, Minerals Management Service, Office of Surface Mining Reclamation and Enforcement, United States Geological Survey, and Bureau of Reclamation. The agency, renamed the National Biological Service in 1995, was responsible for providing scientific support and other assistance to other Federal agencies in forming policies that would effect the conservation and management of the biological resources of the United States. In 1996 the National Biological Service was abolished under the provisions of the act of April 26, 1996 (110 Stat. L., 1321-165) and its functions transferred to the USGS, where it was reconstituted as the Biological Resources Division.

The United States Bureau of Mines was abolished under provisions of the act of April 26, 1996 (110 Stat. L., 1321-167). Functions relating to minerals information and analysis were transferred to the USGS.

An important source of related records is Record Group 48, Records of the Office of the Secretary of the Interior. The USGS has been a bureau of the Department of the Interior since the agency’s establishment in 1879. The records of the Office of the Secretary of the Interior contain many series that document departmental oversight of the functions and programs of the USGS. The records of the Office of the Secretary are organized in two major subgroups, pre-1907 and post-1907. The information presented herein is intended to highlight those series that contain readily identifiable and significant records relating to the USGS. Where entire series are cited the dates given are those of the series and not necessarily the items contained in the series that relate to the USGS.
An inventory of Record Group 48, Records of the Office of the Secretary of the Interior is available at the National Archives and Records Administration (NARA).

In the pre-1907 records administrative oversight of the USGS is documented in the letters received and letters sent of the Patents and Miscellaneous Division. Four other series in this division also contain records relating to the USGS and its predecessor surveys; (1) letters received relating to the United States Entomological Commission, 1877-80; (2) letters relating to the Geological Survey and its predecessors, 1868-80; (3) reports of the Geological Survey, 1883-87; and (4) records relating to forest reserves, 1891-1902. Matters in which the USGS was involved relating to areas under the jurisdiction of the General Land Office or the Bureau of Indian Affairs were handled through the Lands and Railroads Division and the Indian Division, respectively, and are documented in the letters received and letters sent of those divisions. The records of the Lands and Railroads Division also include a series of records relating to specific reclamation projects, 1889-1907. The records of the Appointments Division included several series that contain records relating to the USGS: (1) central office appointment papers, 1849-1907, which include a few files items relating to the nomination and appointment of Directors of the USGS, including Clarence King, John W. Powell, and Charles D. Walcott; (2) departmental appointment papers, 1879-1906, which concern the appointment of the USGS’s scientific and technical employees, clerks, messengers, and others, but not seasonal field employees who were hired in the field; and (3) record cards for employees of the USGS, 1918 (for individuals with surnames beginning with the letters L-Z).

In the post-1907 records the central classified files contain significant records about the USGS. In the central classified files dated 1907-53, most of the records documenting oversight of the USGS are in section 7 - Geological Survey. There are also related files in section 1 - Administrative, section 8 - Bureau of Reclamation, and section 11 - Bureau of Mines. The central classified files dated 1954-58 contain pertinent records in section 3 - Geological Survey. The later central files, 1959-63, 1964-68, and 1968-72 include information about the USGS dispersed among many programs areas. Other post-1907 records also contain records about USGS activities. The general subject files, 1939-58, of the Office of the Solicitor include files titled Geological Survey, oil and gas, water and power, and the outer continental shelf. The records of the Division of Information include press releases relating to the USGS in several sub-series dated 1938-61, 1959-62, and 1963-74. The records relating to legislation, in two series dated 1907-53, and 1954-58, are an important source of information about legislative mandates that affected USGS programs. The records concerning the department war history, 1941-48, contain a draft history of USGS activities during World War II. The general records, 1946-51, of the Minerals and Fuels Division; the central files, 1947-53, of the Program Staff; and the central classified files, 1937-56, of the Division of Land Utilization contain files titled Geological Survey.

Several bureaus were formed entirely, or in part, or enhanced from functions that originated in the USGS. The records of those agencies that are found in the National Archives are designated: Record Group 49, Records of the Bureau of Land Management (created when the Division of Grazing, formed from functions transferred from the USGS, was merged with the General Land Office); Record Group 70, Records of the United States Bureau of Mines; Record Group 90, Records of the Public Health Service; Record Group 95, Records of the Forest Service; Record Group 115, Records of the Bureau of Reclamation; and Record Group 423, Records of the Minerals Management Service.

Other records that contain information about cooperation with the USGS include Record Group 9, Records of the National Recovery Administration; Record Group 23, Records of the Coast and Geodetic Survey; Record Group 27, Records of the Weather Bureau; Record Group 68, Records of the United States Coal Commission; Record Group 77, Records of the Office of the Chief of Engineers; Record Group 79, Records of the National Park Service; Record Group 106, Records of the Smithsonian Institution; Record Group 114, Records of the Soil Conservation Service; Record Group 126, Records of the Office of Territories; Record Group 135, Records of the Public Works Administration; Record Group 138, Records of the Federal Energy Regulatory Commission (formerly the Federal Power Commission); Record Group 142, Records of the Tennessee Valley Authority; Record Group 232, Records of the Petroleum Administrative Board; Record Group 298, Records of the Office of Naval Research; Records Group
Records of the Office of Minerals Exploration; Records Group 324, Records of the Board on Geographic Names; and Record Group 326, Records of the Atomic Energy Commission.

Summary descriptions of the records comprising each of the record groups are in the “Guide to Federal Records in the National Archives of the United States” (1995). The Guide also described records of the United States Geological Survey that are located in NARA field branches. The USGS records in the National Archives Branches are records and files that were created or maintained by the field offices of the USGS.

More than 20,000 USGS field notebooks or files, 2,600 map groups, 2,000 folders, and 70,000 aerial photos (some annotated) that remain in the custody of the agency are in the Field Records Library, Special Collections, USGS Library, Denver, Colorado, where they support the agency’s work-in-progress. These materials, which date from 1871, include field and compilation maps, annotated topographic maps, planetable sheets, correspondence, drafts of papers, unpublished reports, well logs, and analysis reports.

The records described in this inventory constitute Record Group 57, Records of the United States Geological Survey in the National Archives of the United States. The records are located in Archives II in College Park, Maryland. This inventory includes all the records of the United States Geological Survey that were accessioned to the National Archives as of December 31, 1997. The records consist of textual materials, maps and plans, aerial photographs, still photographs, motion pictures, and sound recordings. The textual records are in the custody of the Textual Archives Services Division (NWCTC). The non-textual records are in the custody of the Special Media Archives Services Division (NWCS). The footage given is in linear feet unless otherwise stated.

The records in this inventory are organized in sections by the organizational units that created or maintained the records. Thereunder the records are described in series. A series is defined as a collection of records that is arranged by a systematic filing system (decimal, alphabetical, chronological, map series), that share a unique format (indexes, geologists’ field notebooks, microfiche), or were maintained as a set of files by an organizational unit to document a program area or function. Whenever possible the nontextual records (maps and plans, aerial photographs, still pictures, motion pictures) are described with related textual records. The nontextual materials that do not relate to any particular series of textual records; they are described in a general category at the division level. All the appendices, with the exception of Appendix 1 (a select list of legislation) and Appendix 7 (a summary list of series contents), are complete file-title lists.

The nontextual records are maintained in specialized custodial units. The maps and plans, aerial photographs, still pictures, and motion pictures are in the Special Media Archives Services Division (NWCS) in the National Archives and are accompanied by the designation NWCS. A few nontextual records are filed with the textual records and are so indicated with the series description.

Cooperation between the USGS and NARA in the years since 1980 facilitated the production of this inventory. The compiler thanks Clifford Nelson (USGS) and Sharon Thibodeau (NARA) for their encouragement and supervision. At NARA, archivists Charles Dewing, William Heynen, Deborah Lelansky, Edward McCarter, Michele Pacifico, Joseph Schwarz, Richard Smith, Alan Walker, and Charles Zaid contributed to the completion of the work. Nelson and Robert Kvasnicka (NARA) also served as technical reviewers and revisers of the draft versions. The inventory was edited using the standards of the USGS and the U.S. Government Printing Office.
The United States Geological Exploration of the Fortieth Parallel was founded by an act of Congress for legislative, executive, and judicial expenses dated March 2, 1867 (14 Stat. L., 457). The legislation authorized “the Secretary of War to direct a geological and topographical exploration of the Territory between the Rocky Mountains and the Sierra Nevada mountains, including the route or routes of the Pacific (transcontinental) railroad.” Civilian geologist Clarence King was placed in charge of the reconnaissance. On March 21, Brigadier General Andrew A. Humphreys, Chief of the Army Corps of Engineers, directed King to map and examine and describe the geological structure, geographical condition, and natural resources of this belt of country, especially its economically important mineral deposits and mining districts. Humphreys later extended the work to the eastern slope of the Rockies. King’s organization completed its field work in 1872 and published all but one of its final reports before King closed has accounts and resigned his appointment on January 18, 1879. O. C. Marsh’s “Odontornithes,” the exploration’s last volume, appeared in 1880. For a list of these reports, see Laurence F. Schmeckebier, 1904, “Catalogue and Index of the Publications of the Hayden, King, Powell, and Wheeler Surveys,” USGS Bulletin 222.

Geologists’ field notebooks compiled during the survey by Clarence King (No. 5243) and Samuel F. Emmons (Nos. 1108 to 1113) are part of the records described in entry 172.

Many of the records concerning the “King Survey” described in this inventory have been published as National Archives and Records Administration (NARA) Microfilm Publication M622, “Records of the Geological Exploration of the Fortieth Parallel (“King Survey”), 1867-81.”

1. LETTERS RECEIVED FROM THE WAR AND TREASURY DEPARTMENTS. Mar. 21, 1867 - Apr. 11, 1870. 2.5 in. 1 vol.

Arranged chronologically, except for a few printed circulars found in the front of the volume.

Mounted and bound letters received from the War Department, chiefly the Corps of Engineers, defining the mission and authorizing the organization and operations of the “King Survey,” and letters from the Treasury Department concerning fiscal matters. A Treasury Department circular issued in 1877 (No. 27) is bound in the front of the volume. Also inserted but not mounted into the volume are Corps of Engineers Circulars dated October to December 1867 (Nos. 26 to 47, incomplete).

This volume has been published as part of NARA Microfilm Publication M622.

2. LETTERS RECEIVED FROM THE OFFICE OF THE CHIEF OF ENGINEERS. Apr. 12, 1870 - May 13, 1881. 4 in. 1 vol.

Arranged chronologically, except for letters dated Sept. 2, 1876 through Nov. 22, 1879, which were bound in reverse order.

Mounted and bound letters received relating to funding, equipment, personnel, scientific specimens, field operations, reports, and photographs. Included are letters from the Treasury Department, other War Department offices, the Department of the Interior, the New York State Museum of Natural History, the Royal Society of London, and private individuals.
This volume has been published as part of NARA Microfilm Publication M622.


Arranged in two segments in the order given above, and thereunder in rough chronological order.

Mounted and bound letters received relating to King’s accounts as disbursing agent and to arrangements for publishing the findings of the “King Survey.” Army Corps of Engineers and Treasury Department circulars, regarding the duties of disbursing officers, dated 1863-1869, are inserted in the middle of the volume. The contents of the volume measure 0.75 in.

This volume has been published as part of NARA Microfilm Publication M622.

4. LETTERS SENT TO THE CHIEF OF ARMY ENGINEERS. Mar. 28, 1867 - Jan. 18, 1879. 2.5 in. 1 vol.

Arranged chronologically.

Handwritten copies of letters (some with copies of enclosures), telegrams, and reports concerning field operations, fiscal and administrative matters, and compilation of reports. Among these letters is Clarence King’s official report to Andrew A. Humphreys, dated Nov. 27, 1872, regarding the exposure of the “Diamond Hoax,” the fraudulent occurrence of diamonds in Colorado. Geologist’s field notebook No. 1113 (part of the records described in entry 172 in this inventory) contains notes relating to the diamond frauds.

This volume has been published as part of NARA Microfilm Publication M622.

5. PHOTOGRAPHIC PRINTS. ca. 1868-72. 6 in.

Arranged by agency assigned number. Most of the photographs bear captions giving the subject and name of the photographer. This is series KS (NWCS, still pictures).

Mounted prints (8 in. x 11 in.) of areas mapped as part of a survey of Nevada, California, Utah, and Wyoming. Most of the photographs were taken by Timothy H. O’Sullivan. The subjects include Donner Lake Pass, California; Mono Lake, California; East Humboldt Mountains, Nevada; Fort Ruby, Nevada; Virginia City, Nevada; hot springs and mining operations in Nevada; Big Cottonwood Canyon, Wasatch Mountains, Utah; Salt Lake City, Utah; and examples of limestone, granite, and additional rock types and formations, and other geologic features.

There are also mounted prints of the Mount Shasta area taken by Carlton E. Watkins.

Many of the photographs have corresponding original negatives, series KN, and color transparencies, series KSP, both in Record Group 77, Records of the Office of the Chief of Engineers.
PHOTOGRAPHIC PRINTS. ca. 1867-72. 5 in.

Arranged numerically by original negative number. Most of the photographs are captioned. This is series KSU (NWCS, still pictures).

8 in. x 11 in. mounted prints of areas mapped in Nevada, California, Utah, and Wyoming. Subjects include Tertiary (Eocene) sandstone in Echo Canyon, Utah; Green River Canyon, Utah; Wasatch Mountains, Utah; Austin, Nevada; East Humboldt Mountains, Nevada; and Pyramid Lake, Nevada. Some of the photographs carry handwritten annotations indicating that the photographer was Timothy H. O’Sullivan.

The original negatives are in Record Group 77, Records of the Office of the Chief of Engineers, series KN.
John Wesley Powell began his first exploration of the Colorado River in 1869 with appropriations (15 Stat. L., 253, June 11, 1868) for rations for his party to be issued by the Secretary of War. An act of July 12, 1870 (16 Stat. L., 242), made a direct appropriation for the survey of the Colorado River and its tributaries to be expended under the direction of the Secretary of the Interior. From 1871 to 1873 the explorations were conducted under the sponsorship of the Smithsonian Institution. With the act of June 23, 1874 (18 Stat. L., 207), Congress returned supervision of Powell’s western survey to the Secretary of the Interior where it was renamed the “Geological and Geographical Survey of the Territories, Second Division.” Beginning with the appropriation act of July 31, 1876 (19 Stat. L., 120), the survey became known as the United States Geographical and Geological Survey of the Rocky Mountain Region. The survey was terminated on June 30, 1879, by the act of March 3, 1879 (20 Stat. L., 394), the same law that created the USGS.

Some photographs relating to the “Powell Survey” are part of a general collection that is described in entry 41. Geologists’ field notebooks compiled by Grove Karl Gilbert (Nos. 3391 to 3411, and 3415) are part of the records described in entry 172.

7. LETTERS RECEIVED. 1869-79. 2 ft. 10 vols.

Arranged chronologically by year and thereunder alphabetically by surname or official title of correspondent.

Chiefly mounted and bound letters, but also included are postcards, circulars, legislative bills, newspaper clippings and a large plat showing areas surveyed by Hayden, Powell, and Wheeler and the area to be surveyed by Wheeler in 1874 (Vol. 2). The letters are from scientists, professional societies, the Secretaries of the War, Interior, and Treasury Departments, members of Congress, Secretary of the Smithsonian Institution, inhabitants of the intermountain regions, expedition members and others. The records concern the organization and objectives of Powell’s expeditions, administration of Indian agencies, Indian languages and customs, public lands in arid regions, processing and publication of reports, the Philadelphia Centennial Exposition, the establishment of the USGS, and other subjects.

These records have been published as National Archives and Records Administration (NARA) Microfilm Publication M156, “Letters Received by John Wesley Powell, Director of the Geographical and Geological Survey of the Rocky Mountain Region, 1869-79.”

8. PRESS COPIES OF LETTERS SENT. Oct. 3, 1876 - June 30, 1879. 6 in. 4 vols.

Arranged in rough chronological order. The volumes contain partial indexes to names of addressees.

Letters to the Secretary of the Interior, members of Congress, other government officials, the Secretary of the Smithsonian Institution, geologists, and others concerning the printing and distribution of reports, Indian ethnography, western exploration, the Philadelphia Centennial Exposition, and the establishment of a national geological survey.

Many of the letters are not legible. These letters have not been microfilmed.
9. MAPS TO ACCOMPANY A “REPORT ON THE LANDS OF THE ARID REGION OF THE UNITED STATES.” 1878. 3 items. [NWCS, maps and plans]

The maps, from Powell’s volume, are titled “Map of the United States exhibiting the Grants of Lands made by the General Government to Aid in the Construction of Railroads and Wagon Roads,” and “Rain Chart of the United States.” The latter, using color shading and isohyal lines, shows the distribution of the mean annual precipitation in rain and melted snow. The second map is a copy of a chart compiled for the Smithsonian Institution in 1868.

10. RECORDS RELATING TO THE GEOLOGY OF THE BLACK HILLS. ca. 1879. 2 items. [NWCS, maps and plans]

A map titled “Geological Map of the Black Hills of Dakota,” and a panoramic illustration titled “Bird’s Eye View of the Black Hills.” On the illustration different geologic strata are indicated by symbolic birds in flight. Both items are by Henry Newton, who, with Walter P. Jenney, examined the geology and mineral resources of the Black Hills in 1875 for the Interior Department. Acts of Congress on July 31, 1876 (19 Stat. L., 120), and June 14, 1878 (20 Stat. L., 120), authorized the payment of their expenses. Newton and Jenney’s report (text, 1880; atlas, 1879) appeared under the auspices of the “Powell Survey.”

11. MISCELLANEOUS MAP. n.d. 1 item. [NWCS, maps and plans]

A contour drawing of an area in Utah.

12. STUDIES OF THE HENRY MOUNTAINS. n.d. 31 items. [NWCS, maps and plans]

Geologic sketches by Clarence E. Dutton and Grove K. Gilbert.

13. MAP OF UTAH TERRITORY. 1878. 2 items. [NWCS, maps and plans]

Two copies of a shaded relief map “representing the extent of the irrigable, timber, and pasture lands.” The map is based on atlas sheets from the “Powell Survey” with added information from the “Hayden, King, and Wheeler Surveys.” The map also shows the location of railroad lines, wagon roads, trails, telegraph lines, and towns.

14. ATLAS SHEETS OF THE GRAND CANYON. 1882. 1 vol. and 3 pages. [NWCS, maps and plans]

Titled an “Atlas to accompany the Monograph on the Tertiary History of the Grand Cañon District,” by Captain Clarence E. Dutton. Comprised of dramatic panoramic scenes of the Grand Canyon and adjacent plateaus and color-coded geologic maps of the Grand Canyon and adjacent areas that were published in 1882 as sheets in the atlas of USGS Monograph 2.

15. JOSEPH HENRY WHEAT ALBUM OF RIVER, LAND, ETHNOGRAPHIC, AND MISCELLANEOUS VIEWS. 1871-74. 1 album. 3 in.

Arranged in four sections as described below and thereunder by NARA assigned number. The numbers used for the first three sections correspond to caption entries found in a journal compiled by Major John W. Powell. A copy
Stereoscopic prints ranging in size from 3 in. x 4.5 in. to 7.5 in. x 9.5 in. The “River Views” are chiefly photographs of sections of the Green and Colorado Rivers, side canyons, portages, camp sites, waterfalls, and parks. Some photographs are identified in the journal as part of series such as the “Red Canyon Series,” “Canyons of Desolation Series,” and “Echo Park Series.” The photographers were Elias O. Beaman, James Fennemore, and John K. Hillers.

The “Land Views” show plateaus, mountains, and tributary and adjacent streams such as Kanab Creek, Rio Virgin, and Servier River. The photographers were James Fennemore, and John K. Hillers.

The “Ethnographic Views” consist chiefly of various tribes of Indians living in the vicinity of the Colorado River and its tributaries, including Paiutes, Uintas, and Navajos. The photographer was John K. Hillers.

The miscellaneous items include photographs of waterfalls, geologic formations, sections of rivers, and groups of buildings. The photographers are not known.

There are annotated references to corresponding negatives for some of the photographs, which are part of the records described in series PS, entry 87. The photographs were collected by Joseph H. Wheat, a topographer with the USGS, and given to Claude H. Birdseye, Chief Topographic Engineer of the USGS, for the agency’s permanent files. Other photographs taken by Wheat are described in entry 400.
The western surveys led by Ferdinand V. Hayden were begun under the provisions of the act of Congress dated March 2, 1867 (14 Stat. L., 470), that supplied appropriations to meet Federal funding deficiencies. The legislation authorized “a geological survey of Nebraska ... under the direction of the commissioner of the general land office.” The next year the work was expanded beyond Nebraska by the act of July 20, 1868 (15 Stat. L., 119). From 1869 to 1873, Hayden’s organization was known as the U. S. Geological Survey of the Territories; the act of June 22, 1874 (18 Stat. L., 143), added “and Geographical” to its title. Work was done in Colorado, Idaho, Montana, New Mexico, and Wyoming. This survey was terminated on June 30, 1879, by the act of March 3, 1879 (20 Stat. L., 394), the same law that founded the USGS.

Some photographs relating to the “Hayden Survey” are part of a general collection that is described in entry 41. Geologists’ field notebooks compiled by Henry Gannett (Nos. 3871 and 3872), and William H. Holmes (Nos. 3878-3882) are part of the records described in entry 172. Microfiche copies of geologists field notebooks compiled by Frederic M. Endlich (Nos. 731-737), Archibald R. Marvine (Nos. 718-730, 830C and 830D, and 1963), Albert C. Peale (Nos. 1964-1977 and 2010 and 2011), and Hayden (No. 2014) are part of the records described in entry 173.

Many of the records concerning the “Hayden Survey” described in this inventory have been published as National Archives and Records Administration (NARA) Microfilm Publication M623, “Records of the Geological and Geographical Survey of the Territories (‘Hayden Survey’), 1867-79.”

16. LETTERS RECEIVED. Jan. 4, 1866 - Mar. 21, 1874. 10 in. 7 vols.

Arranged in rough chronological order. Several letters from Leo Lesquereux, dated 1868, are bound after the 1873 letters. Undated and partial letters are dispersed throughout the series.

Mounted and bound letters from members of Congress, editors of professional journals, popular magazines and newspapers, the Secretary of the Interior and other departmental officials, academic geologists and specialists in allied fields, railway company agents, State geological and agricultural agencies, military officers, the Smithsonian Institution and museums, the American Geographical Society and other professional organizations, lithographers and engravers, private individuals, and many others. The letters chiefly concern the processing, printing, and distribution of illustrations and reports based on Hayden’s western explorations, particularly of the Yellowstone region. Other letters concern the analysis of plant and fossil specimens, theories on the composition and correlation of geologic formations, and methods of conducting topographic surveys. A few items are letters of introduction or application to accompany expeditions. Many letters are personal in content.

These letters have been published as part of NARA Microfilm Publication M623.

17. LETTERS RECEIVED. 1871-79. 4 ft.

Arranged in two alphabetical sequences, 1871-77 and 1872-79, by surname of correspondent or title of agency, and thereunder chronologically.

Chiefly letters received, but also includes statements of accounts and expenses, and telegrams. Most of the letters are from the same correspondents and concern the same subjects as the records described in entry 16.

The series also contains letters concerning Indian ethnology, especially languages, and the geological and topographical work of field parties.
These records have been published as part of NARA Microfilm Publication M623.

18. LETTERS RECEIVED FROM PERSONS IN FOREIGN COUNTRIES. ca. 1859-79. 2 ft.

Arranged alphabetically by name of foreign country, thereunder alphabetically by surname of correspondent, and thereunder in rough chronological order.

Chiefly letters concerning the exchange of professional papers. Other letters concern Hayden's honorary membership in foreign professional societies. A few of the letters that are not in English are accompanied by a translation. About a quarter of the collection consists of letters from England. The letters from German States are filed under Germany and thereunder alphabetically by State.

The letters were published as part of NARA Microfilm Publication M623.

19. LETTERS RECEIVED AND RELATED RECORDS FROM GOVERNMENT AGENCIES. 1867-79. 2 in.

Arranged by agency and thereunder chronologically.

Letters received, circulars, receipts, and other fiscal records from officials of the Agriculture, Interior, and Treasury Departments, the Office of Indian Affairs, and the General Land Office. The records concern the printing and distribution of Hayden's reports and maps; furnishing specimens, maps, and photographs for the Philadelphia Centennial Exhibition in 1876 and the Paris Exposition in 1878; free entry of books and equipment; disbursement of funds; and the scope of Hayden's western surveys. There are a few letters from private persons transmitted by the Interior Department.

These records have been published as part of NARA Microfilm Publication M623.


Arranged as shown below and thereunder in rough chronological order. There is a list of the correspondents inside the front cover of each volume.

Mounted and bound letters from professional colleagues and others concerning Hayden's academic career and membership in professional societies, collection and analysis of fossil specimens, stratigraphic investigations, and publication of reports based on his work in western explorations. Many of the letters are from Fielding B. Meek, Hayden's collaborator in paleontology and stratigraphy, including all those dated 1874-76. Other correspondents include H. Haines, James Hall, Joseph Henry, Eugene W. Hilgard, Isaac Lea (the 1847 letter), Eben N. Horsford, Alpheus Hyatt, J. E. Keller, John L. LeConte, Joseph Leidy, J. Peter Lesley, Joseph Lovering, John S. Newberry, Charles C. Parry, Frederic W. Putnam, William F. Raynolds, Benjamin Silliman, Jr., William Stimpson, “Hall of the Academy of St. Louis,” W. J. Taylor, Edward Tuckerman, Gouvernor K. Warren, Josiah D. Whitney, Horatio C. Wood, Jr., and Amos H. Worthen. Also included, in alphabetical sequence, is a letter signed by Ferdinand V. Hayden acknowledging his appointment as a “Lieutenant Colonel by brevet in the military service of the United States.” Hayden served as a Surgeon of Volunteers during the Civil War.

These letters were accessioned by the National Archives from the Smithsonian Institution in about 1954. At that time no letters were located for surnames beginning with the letters A to G.
21. RECORDS CONCERNING THE CONTROVERSY OVER CIVILIAN VERSUS MILITARY SURVEYS AND RELATED MATTERS. ca. 1872-78. 5 in.

Arranged by subject. Many items are undated.

Includes drafts of reports, letters received, circulars, congressional documents, working notes, statements made before congressional committees, lists of geological and topographical reports based on western surveys, and petitions from universities expressing preference for civilian rather than military control of western surveys. The records concern the accomplishments of the “Hayden Survey,” the work of other civilian surveys and military surveys, conflicts between the various surveys, zoological specimens, the Philadelphia Centennial Exhibition in 1876, and establishment of the U.S. Entomological Commission.

These records have been published as part of NARA Microfilm Publication M623.

The Patents and Miscellaneous Division of Record Group 48, Records of the Office of the Secretary of the Interior, include records relating to the U. S. Entomological Commission, established by an act of March 3, 1877 (19 Stat. L., 357).

22. LETTERS RECEIVED AND OTHER RECORDS CONCERNING THE WAR DEPARTMENT. 1867-74, 1876-77. 1 in. 1 vol. and unbound papers.

Arranged in two segments, mounted and bound and unbound, and thereunder in rough chronological order.

Chiefly letters received and special orders from the War Department, but also includes a few letters from the Secretary of the Interior, Treasury Department circulars, and copies of letters sent by Hayden. The records concern transportation, subsistence, equipment, disbursements, military escorts, the publication of reports, and a proposal to establish a signal station on Pike's Peak.

These records have been published as part of NARA Microfilm Publications M623.

23. SUMMARY OF ACCOUNT OF FERDINAND VANDEVEER HAYDEN WITH THE TREASURER OF THE UNITED STATES. 1869-80. 0.5 in. 1 vol.

Arranged chronologically.

A list of checks or vouchers showing the amounts of payment. A total of the payments was made at approximately monthly intervals. There is no indication to whom or for what purpose the payments were made.

This volume has been published as part of NARA Microfilm Publication M623.

24. FISCAL RECORDS. ca. 1872-80. 2 in. 1 vol. and unbound papers.

Arranged by type of record and thereunder in rough chronological order.

Received bills, vouchers, check stubs, letter received, and related records concerning salaries, transportation, lithography, and other expenses.
These records have been published as part of NARA Microfilm Publication M623.

25. LEDGERS. 1878-80. 2 in. 2 vols.

Arranged by name of individual or business firm and thereunder chronologically. The smaller second volume contains an index to the accounts.

The entries for each account include the date of each deposit or expense, sometimes the type of expense, and the amount. Debits are balanced against credits.

These volumes have been published as part of NARA Microfilm Publication M623.

26. LEDGER KEPT BY ALBERT CHARLES PEALE. 1871-74. 0.5 in. 1 vol.

Arranged by account and thereunder chronologically.

Each entry gives the date, to whom or for what purpose the expenditure was made (or from whom funds were received), and the amount. Most of the volume titled "Cash" appears to be an itemized record of Peale's personal expenses. A few pages are devoted to accounts for Hayden and other individuals. Debits are balanced against credits. Peale served as a geologist with the "Hayden Survey," 1871-79, and the USGS, 1883-92.

This volume has been published as part of NARA Microfilm Publication M623.

27. APPLICATIONS FOR POSITIONS, RECOMMENDATIONS, AND REQUESTS FOR PUBLICATIONS. 1870-79. 5 in.

Arranged alphabetically by surname of applicant or correspondent.

Chiefly applications submitted by professors, college students, military officers, miners, engineers, clerks, surveyors, topographers, geologists, artists, and other persons. The letters of recommendation are from members of Congress, college professors, and others. Also included are requests for geological publications.

These records have been published as part of NARA Microfilm Publication M623.

28. MISCELLANEOUS LETTERS RECEIVED. 1867-79. 0.25 in.

Arranged by correspondent and thereunder chronologically.

Letters from Edward D. Cope, Ernest Ingersoll, Joseph Leidy, Fielding B. Meek, an insurance agent, government officials, and others concerning western surveys, publications, and other subjects. Also included is a copy of a letter sent to the owner of a silver mine.

These letters may have once been part of the letters received described as entry 17.

These letters have not been microfilmed.
29. **ATLAS VOLUMES. 1877, 1881. 2 volumes and 6 items. [NWCS, maps and plans]**

These volumes, the first and second editions of the “Geological and Geographical Atlas of Colorado and Portions of Adjacent Territory,” contain three series of maps. The first series covers the entire State of Colorado and consists of a triangulation map, a drainage map, an economic (land-classification) map, and a general geologic map (at 1:760,320). The second series consists of six topographic maps and six geologic maps of Colorado and adjacent portions of Utah, Arizona, and New Mexico (at 1:253,440). The third series consists of geologic sections and geologic panoramas. A few pages from the 1881 atlas are filed separately. All the maps are double folio.

30. **MAPS OF YELLOWSTONE PARK AND ADJACENT AREAS. ca. 1868-78. 15 items. [NWCS, maps and plans]**

Printed maps showing topographic features of Yellowstone National Park and areas within and adjacent to the park including Upper Geyser Basin on the Firehole River, Lower Geyser Basin on the Upper Madison River, Shoshone Geyser Basin, Mammoth Hot Springs, Gibbon Geyser Basin, and those parts of Montana and Wyoming Territories drained by the Madison, Gallatin, and Upper Yellowstone Rivers.

31. **MAPS OF PARTS OF WYOMING, IDAHO, UTAH, AND ADJACENT AREAS. ca. 1877-79. 11 items. [NWCS, maps and plans]**

Printed black and white maps showing topographic features; color-coded maps showing geologic strata; a color-coded map showing the land classification of economic resources (arable land, grass, forest, and coal); the east half of a map showing the locations of Salt Lake City, Ogden City, and what appears to be part of the shoreline of the Great Salt Lake; and panoramic views (on one sheet) in the vicinity of the Wind River Mountains and the Teton Range.

32. **MISCELLANEOUS MAPS. ca. 1873. 3 items. [NWCS, maps and plans]**

The maps are titled as follows: “Preliminary map of Southwestern Colorado and part of the Adjacent Territories showing the Location of Ancient Ruins,” undated, by George B. Chittenden, Topographer; “Preliminary map of Colorado showing the region surveyed in 1873”; and “Sketch showing the Primary and Secondary Triangulation of 1873.”

33. **“HAYDEN SURVEY” ARTWORK. 1869-72. 53 items. 3 in.**

Arranged by geographic area as described below and thereunder by assigned number. These are series HAA, HAB, and HAC (NWCS, still pictures).

Ink drawings (30 in. x 7in.) showing panoramic views along the route of the Union Pacific Railroad in Wyoming and Utah; ink drawings (15 in. x 7.5 in.) of the Laramie Range, Platte River, and Sweetwater River Valley; and pencil sketches of areas along the Yellowstone River in Montana.

The drawings are unsigned but have been attributed to Henry W. Elliot.
34. PHOTOGRAPHS TAKEN BY WILLIAM HENRY JACKSON. 1869-78. 5 albums and loose items. 21 ft.

Arranged by record format (original glass negatives, albums, and contact prints), and thereunder by agency assigned number. The photographs are captioned and dated. A second edition of a catalog of these photographs was published in 1875 as United States Geological Survey of the Territories Miscellaneous Publication No. 5, “Descriptive Catalogue of the Photographs of the United States Geological Survey of the Territories for the Years 1869 to 1875, Inclusive ... W. H. Jackson, Photographer.” This is series HS (NWCS, still pictures).

A collection of photographs reflecting activities of the “Hayden Survey” in Nebraska, Wyoming, Colorado, Utah, Idaho, and Montana. Many of the photographs show scenes in Yellowstone Park, including creeks, waterfalls, hot springs, canyons, geologic features, and camp sites. Other photographs show prominent landmarks such as Pike’s Peak, Gateway to Garden of the Gods, Garden of the Gods, Long’s Peak, Berthold Pass, Mountain of the Holy Cross, Uinta Mountains, Teton Range, Pulpit Rock, Mont., Laramie Peak, Wyo., Hayden’s Cathedral, and Mount Lincoln, Colo.. The photographs of towns include Wasatch, Utah, Helena, Mont., Salt Lake City, Utah, Corinne, Utah, Ogden, Utah, Willard City, Utah, Malad, Idaho, South Pass City, Wyo., Atlantic City, Wyo., Cheyenne, Wyo., and Fort Hall, Idaho. There are also a few photographs showing mining operations (flumes, hydraulic mining, “panning out,” cradling, and sluicing); railroad beds and infrastructure, including railroad cuts, trestle work, bridges, and stations; military posts, including Fort Fetterman and Fort Laramie; scenes of workers quarrying granite for the Mormon Temple; Bannock Indians; and the Mission or Crow Indian Agency.

There are also photographs of the towns of Juárez and Chihuahua, Mexico.

35. PHOTOGRAPHS OF INDIAN RUINS, LANDSCAPES, AND GEOLOGIC FORMATIONS. 1874. 0.75 in.

Arranged by agency assigned number. This is series HSA (NWCS, still pictures).

Mounted sepia prints by William H. Jackson. About half of this series is duplicated in the records described in series HS, entry 34.

36. PHOTOGRAPHS OF LAKE TAHOE AND VICINITY. n.d. 8 items.

Mounted prints published by the W. H. Jackson Photo Co., Denver, Colorado. This is series HSB (NWCS, still pictures).
The linear topographic surveys of the western United States conducted by the War Department before the Civil War were revived when 1st Lieutenant George M. Wheeler, of the Army Corps of Engineers, received orders to make a mapping reconnaissance of portions of southern Nevada to identify sites for military posts and transportation routes to improve communications in the Department of California. In 1871 Wheeler extended his geographical (and then also geological) reconnaissance into Arizona. On June 6, 1872 (17 Stat. L., 367), Congress began funding the plan Wheeler had submitted to Brigadier General Andrew A. Humphreys, the Chief of Engineers, for establishing an astronomical base from which to map, on 95 same-sized quadrangles, the topography of the entire country west of the 100th Meridian. Wheeler was promoted to Captain on March 4, 1879. His survey was terminated June 30, 1879, by the act of March 3, 1879 (20 Stat. L., 394), that established the USGS.

Some photographs relating to the “Wheeler Survey” are part of a general collection that is described in entry 41. Field notebooks compiled by geologist Grove K. Gilbert (Nos. 3372 to 3390) are part of the records described in entry 172.

The major portion of the records from the "Wheeler Survey" are in Record Group 77, Records of the Office of the Chief of Engineers; other records are at Fort Belvoir, Virginia, and at Yale University.

37. REPORT OF THE "WHEELER SURVEY" IN 1872. n.d. 2 in.

A handwritten draft titled "Progress Report upon Geographical and Geological Explorations and Surveys West of the 100th Meridian in 1872, under the direction of Brigadier General Andrew A. Humphries [sic] Chief of Engineers, by 1st Lieutenant George M. Wheeler, Corps of Engineers, in Charge." The report, published in 1874, concerns astronomical, geological, and natural-history observations; reconnaissances of mining districts in Arizona, Nevada, and Utah; agriculture and irrigation; communication routes; sites for military posts; timber lands; Indians; Colorado River canyons; and an analysis of the organization and progress of Wheeler's western explorations to 1872. The manuscript is paginated, many segments of the original are not in this file.

38. RECORDS RELATING TO INDIAN ETHNOLOGY AND SPANISH INSCRIPTIONS. 1874-80. 1 in.

Arranged chronologically.

Reports prepared by "Wheeler Survey" members and others concerning Indian dances observed at Jamez Pueblo in 1874 (two of the three drafts of this account include a sketch of a ceremonial headdress worn during the dance); a list of southwestern Indian languages compiled from observations by survey members during 1872-75; and letters concerning translations of Spanish inscriptions found on rock surfaces.

An endorsement found in the records indicates that they were once part of the Letters Received, 1824-1881, of Record Group 75, Records of the Office of Indian Affairs (file reference: II237-1874 New Mexico).

39. PHOTOGRAPHIC PRINTS. 1871-73. 3 in.

Arranged chronologically by year of survey and thereunder numerically by original plate number. All the photographs have captions giving the subject and name of the photographer. This is series WS (NWCS, still pictures).
Mounted prints (8 in. x 11 in.) of photographs taken by Timothy H. O’Sullivan and William Bell. Chiefly landscapes showing views of the Grand Canyon; Black Canyon, Colorado River; rock formations; Alpine Lake in the Sierra Nevada, Calif.; Camp Apache, Ariz.; Inscription Rock, N. Mex.; Canyon de Chelly, Ariz.; and a mission church and houses at Zuni Pueblo.

Original negatives are in Record Group 106, Records of the Smithsonian Institution, series WB; and Record Group 77, Records of the Office of the Chief of Engineers, series WA.

40. PHOTOGRAPHIC PRINTS. 1871-73. 2 in.

Arranged by agency assigned number. All the photographs are captioned. This is series WSA (NWCS, still pictures).

41. STEREOGRAPHIC PRINTS OF SURVEYS OF THE AMERICAN WEST. 1870-74. 8 in.


   Mounted prints (3 in. x 4 in.), produced for commercial distribution, showing geologic formations, Native Americans, the Grand Canyon and canyons of tributary streams, Indian Pueblos and ruins, geysers and hot springs in Yellowstone National Park, Canyon de Chelley and other landscapes.

   Original stereographic negatives for some of the prints are described in series HS, entry 34, and PS, entry 87; and Record Group 106, Records of the Smithsonian Institution, series WA.
The act of March 3, 1879 (20 Stat. L., 394) that established the USGS provided for the appointment of a Director, nominated by the President and confirmed by the Senate. The act made the Director responsible for planning and administering the programs of the USGS in accordance with the provisions of the establishing act and subsequent legislation, and for functioning as the agency’s chief scientific officer. In the early years the Secretary of the Interior, acting on the Director’s recommendations, appointed the permanent members of the USGS staff; the Director made temporary appointments. The Director also selected the leaders of the agency’s geographic, thematic, and other administrative units, supervised their work, and reviewed the progress and reports documenting the data gathered and analyses made by their field and laboratory investigations. The Director was assisted in these administrative and related duties by an Executive Officer (1881-94), a Chief Clerk (from 1881), a General Assistant (1883-92), and an Assistant in Geology to the Director (1897-1900).

Legislative mandates and increased appropriations expanded the administrative responsibilities of the Director. By 1901 geologic (including hydrographic) and topographic investigations were administered by established organizational units headed by individuals with dual scientific and administrative responsibilities. In 1912 the position of Administrative Geologist was created (Survey Order 14) to serve as the Director’s administrative deputy and as Acting Director in the absence of the Director.

The position of Assistant Director was established in 1944. That individual was to serve as a “principal assistant to and deputy of the Director, with commensurate authority” (Survey Order 147). In general the Assistant Director advised the Director on the long-term scientific and technical programs of the USGS. The Administrative Geologist chiefly handled matters relating to the daily management and administration of the agency.

Other specialized staff and advisory positions added to the Director’s Office included the Staff Geologist for Territories and Island Possessions in 1946 (Survey Order 156; later Staff Coordinator), and the reestablished Executive Officer in 1948 (Survey Order 169). With the creation of the position of Executive Officer, the Administrative Geologist was made responsible for serving as a scientific consultant to the Director. In the 1950's the positions of Associate Director and Assistant Director were added to the Director’s Office.

In the 1920's George W. Holland transferred from the General Land Office to the USGS and joined the staff as a land classifier. Holland was trained as an attorney and gave legal advice on matters under review by the Land Classification Board (later Conservation Branch). He was eventually reclassified as an Attorney in that branch. As part of a departmental reorganization in 1935 Holland was transferred to the Solicitor’s staff in the Office of the Secretary of the Interior. In 1943 the Secretary of the Interior established the Office of Chief Counsel in the USGS. In 1947 the Chief Counsel’s Office was organizationally placed in the Conservation Branch. In 1950 the Office of the Chief Counsel of the USGS was assigned to the Director’s Office (Survey Order 205).

Under the authority of Reorganization Plan 3 of 1950 the Survey underwent an lengthy evaluation and reorganization process that ultimately reserved some of the authority that had been exercised by the Director to the Secretary of the Interior and reoriented the location and lines of authority in the operating units.
42. **INDEX TO LETTERS RECEIVED.** 1880-89. 1.5 ft. 6 vols.

   Arranged chronologically by year and thereunder alphabetically by name of correspondent or subject.

   A typescript index to the letters received described in entry 44 showing the names of writers followed by the subject and file number of each of their letters. Entries for persons mentioned and subjects give a cross reference to the names of the writers. When a letter is referred to the USGS by another agency or member of Congress, a cross reference is made under the author's name to the agency or individual that forwarded the letter. When a person is the subject of a letter a cross reference is made to the author where an abstract of the contents appear.

   These records have been published as part of National Archives and Records Administration (NARA) Microfilm Publication M590, “Letters Received by the United States Geological Survey, 1879-1901.”

43. **REGISTERS OF LETTERS RECEIVED.** January 8, 1879 - November 12, 1901. 4 ft. 26 vols.

   Arranged chronologically.

   Registers of the letters received described in entry 44. The entries show the date of receipt, name and address of writer, date of letter, assigned file number, and action taken. There is one volume per year except for 1889, 1899, and 1900 for which there are two volumes. Missed letters are entered at the end of the year.

   The latest consecutive entry is dated April 30, 1901. It is followed by 12 entries made in March, October, and November of letters dated in January, March, and April 1901. There is a letter dated May 1, 1901 that apparently was recorded on April 30, 1901. There is no explanation in the records to account for this enigma. No later registers have been found.

   These registers have been published as NARA Microfilm Publication M157, “Registers of Letters Received by the United States Geological Survey, 1879-1901.”

44. **LETTERS RECEIVED.** 1879-1901. 50 ft. 54 vols. and unbound records.

   Arranged chronologically by year and thereunder by assigned number. For the period, 1879-89, the letters are in bound volumes. Indexes and registers for the letters received are described in entries 42 and 43.

   Chiefly letters received together with reports, memorandums, tables, accounting records, maps, and other records concerning topographic and geologic surveys; investigations of coal and mineral resources, particularly in Alaska and the Western States; water-resource investigations; boundaries of forest reserves and Indian reservations; USGS publications; personnel matters; and general administration of USGS programs. The letters received from 1901 to the creation of the central classified files in 1912 do not appear to have survived.

   These records have been published as part of NARA Microfilm Publication M590, “Letters Received by the United States Geological Survey, 1879-1901.”
45. INDEX TO LETTERS SENT. 1879-83. 4 in. 2 vols.

Arranged chronologically by year and thereunder alphabetically by surname or official title of addressee or subject.

A typescript index to a portion of the letters sent described in entry 46 showing the name or official title of addressee, followed by the subject and page number of each letter sent. Many entries for persons mentioned and subjects give a cross reference to the addressee.

This index has been published as part of NARA Microfilm Publication M152, “Letters Sent by the United States Geological Survey, 1879-1895.”

46. LETTERS SENT. July 7, 1879 - December 17, 1895. 6 ft. 35 vols.

Arranged chronologically. An index to the 1879-83 letters is described in entry 45.

Handwritten copies of letters sent to the Secretary of the Interior (including monthly and annual reports) and other Federal officials, members of Congress, geologists outside the Federal Government, heads of USGS field teams, railroad companies, engravers and publishers, and private individuals concerning topographic, geologic, and other field work, appointment and assignment of personnel, USGS publications, appropriations and expenses, and related matters. Many of the letters are followed by the file number of the pertinent letter received (entry 44).

Notations in the margins beginning in 1885 (volume 27) are probably references to press copies of the letters sent. The press copies have not survived.

The letters sent have been published as part of NARA Microfilm Publication M152, “Letters Sent by the United States Geological Survey, 1879-1895.”

47. RECORDS CONCERNING A PROPOSAL TO ESTABLISH OLYMPIC NATIONAL PARK. 1891. 4 items

These records were once part of the Letters Received, 1879-95 (entry 44), but were removed by the National Archives staff and laminated.

The records consist of a letter from James Wickersham to John W. Powell, Director of the USGS, transmitting maps and an article concerning the proposed Olympic National Park. The maps are part of this series. The article, “An Olympic National Park in the Olympic Mountains, Washington,” by James Wichersham, is filed with the letters received - file 1245-1891 (entry 44).

48. LETTERS RECEIVED BY JOHN WESLEY POWELL REGARDING HIS RESIGNATION AS DIRECTOR. May 11 - 23, 1894. 15 items.

Arranged chronologically.

The writers were Capt. John G. Bourke, Theo. B. Comstock (President, University of Arizona), Mrs. Caroline H. Dall, William M. Davis (Harvard University), L. S. Dubois, James Hall, Robert Hay, John W. Hoyt, Alpheus Hyatt, Henry B. McFarland, P. W. McKinney, Thomas C. Mendenhall (U. S. Coast and Geodetic Survey), Eugene A. Smith (State Geologist of Alabama), Ralph S. Tarr, and J. C. Welling.
49. CORRESPONDENCE AND RELATED RECORDS. ca. 1906-48. 4 ft.

Arranged alphabetically by subject. A file title list appears as Appendix 2 in this inventory.

Letters received, copies of letters sent, memorandums, reports, USGS orders and other administrative issuances, speeches and addresses, press releases, allotment statements and other fiscal records, statistical tables, congressional bills, and maps. The records concern the organization and administration of the agency’s geologic and topographic mapping programs, World War I mapping programs, budgets and appropriations, USGS committees, cooperation with other Federal agencies and States, coal-land classification, mineral-resource investigations, withdrawal of land for water-power sites and other uses, and personnel matters. A few items are marked personal and confidential. A few letters are marked with correspondence control numbers assigned when the letter was received and indexed (see entry 50).


50. CORRESPONDENCE CONTROL CARDS. 1918-48. 175 ft.

The cards are divided into two groups. The first group of cards, from the years 1918-22, is organized in two segments. The first segment is arranged alphabetically by surname of correspondent, title of organization or agency, and thereunder chronologically. The second segment is arranged alphabetically by title of Federal agency and thereunder chronologically.

The second group of cards, from 1923-48, is organized chronologically by year and thereunder in two alphabetical sequences by surname of individual and title of agency or organization. This group also includes cards for internal communications from unit chiefs to the Director and memoranda from the Director to unit chiefs. There is only one set of cards for the years 1946 and 1947.

The 4”x 6” cards typically show the name of correspondent, date of receipt, assigned control number, date of letter, subject or abstract of contents, referrals, date of reply, and file disposition. Some cards also show a file number from the classification scheme shown in Appendix 3 in this inventory.

Most of the letters were referred to and filed in the Central Classified Files of the Office of the Director (entry 51). A few letters are found in entry 49. Letters are also found in the central files of the major program divisions: Geologic Division (entries 159 and 160), Topographic Division, later National Mapping Division (entry 288), Water Resources Division (entry 412), and Conservation Division (entry 642).

Because the cards are arranged by correspondent rather than by subject, the correspondence control cards have a limited usefulness for research purposes.

51. CENTRAL CLASSIFIED FILES. 1912-53. 226 ft.

Arranged according to a numeric-subject classification scheme. A list of extant files appears as Appendix 3 in this inventory. Several annotated copies of the file classification manual are located in entry 49 (in a file titled - Subject Classification Scheme, Central Classified Files). The files include a few items dated as early as 1899. The correspondence control cards (entry 50) can be used to locate some documents in the files. Accretions to this series are boxed separately as shown on the file list.
Correspondence, memorandums, congressional documents, telegrams, press releases, circulars, orders and other administrative issuances, agenda and minutes of meetings, allotment statements and other fiscal records, project summaries, work plans, periodic program reports, contracts and agreements, and maps.

The records concern organization and management, especially appointment and assignment of personnel, and processing and distribution of publications; administration of program areas, such as geologic and topographic surveys, water-resource investigations, particularly forest-watershed surveys, and land classification. This series also contains records concerning conferences, expositions, and meetings of professional associations; cooperation with Federal and State agencies; participation on USGS, departmental, and interagency committees, public-works programs, and defense related activities. The succeeding series of Central Classified Files, 1953-74, is described in entry 52.

52. CENTRAL CLASSIFIED FILES. 1953-74. 145 ft.

Organized in two sub-series, 1953-68 and 1969-74, and thereunder arranged according to a subject-numeric classification scheme. The records found in subordinate portions of the “Meetings” section of the files are organized by time interval, 1953-56, 1956-59, 1959-62, 1962-65, and 1965-68, and thereunder in rough alphabetical order by title of organization or organization. Within subject classes, the arrangement is chronological. A file title list appears as Appendix 4 in this inventory.

The records concern policy formulation and the administration and management of USGS programs. Specific subject areas include appropriations and allotments, budget formulation and justification, personnel classifications and appointments, interdepartmental, departmental, and USGS committees, commissions and advisory groups, cooperation with Federal and State agencies and compilation and printing of maps and other publications.

Records concerning the implementation of programs are generally found among the files of USGS subordinate units.

53. MONTHLY REPORTS. 1882-90. 2.5 ft. 8 vols.

Arranged in two segments: for the years 1882-84, organized chronologically by year and thereunder alphabetically by surname of the reporting official, and thereunder chronologically by month; for 1885-90, arranged chronologically by month and thereunder by report but not alphabetically by surname of author.

Narrative reports by heads of field units and, in some instances, those by individual staff members. Some reports include maps or sketches of geologic features. Most of the 1882-84 reports and some of the later reports are annotated with assigned letters received numbers. The indexes for the letters received are described in entry 42.

These records have been published as part of NARA Microfilm Publication M590, “Letters Received by the United States Geological Survey, 1879-1901.”
54. "SPECIAL MAGAZINE FILE". 1914-30. 3 ft.

The first file is marked "general", the remaining files are arranged alphabetically by name of publishing firm, publisher, publication, or journalist.

Correspondence, magazine and newspaper clippings, USGS statements and informational issuances, and related records concerning statistical data and other information furnished by the USGS for publication in newspapers, popular magazines, professional journals, catalogs, and yearbooks.

55. RECORDS CONCERNING UNITED STATES PARTICIPATION IN THE FOURTH WORLD POWER CONFERENCE. 1949-50. 1.5 in.

Arranged in rough chronological order.

Correspondence, memorandums, the report of the United States delegation, a conference program, charts, a copy of the articles of association and by-laws of the American National Committee, and related records concerning the Fourth World Power Conference held in London, July 10-15, 1950. The records also concern the status of the United States National Committee as a member of the World Power Conference, a suggestion to reorganize the United States National Section to broaden the scope of its technical work to include the social and economic aspects of world power problems, and the designation of USGS staff members to serve on a committee with representatives of the Bureau of Mines and the Federal Power Commission to prepare a report for the London meeting. Manuscript and printed copies of the report, “Energy Resources of the United States,” are part of the records.

The World Power Conference was formed in 1924 with headquarters in London. The Conference facilitated the exchange of ideas between producers and consumers of power resources, and scientific and technical specialists, to find the most efficient use of the world’s fuel and power resources. Other records concerning USGS participation in the conference are described in entry 268.


Arranged chronologically. A list of the meetings accompanies the records.

The records concern meetings and other events attended by Dallas L. Peck in his official capacity as Director of the USGS. Included are advisory boards and committees, national and international scientific organizations, regional and State associations, and foundations and events such as conventions, conferences, symposiums, and dedications. There are also records relating to meetings with USGS division and regional staffers, other government executives, particularly the Secretary of the Interior and other Interior Department officials, Presidential staff members, officials of the Commerce, Agriculture, and Energy Departments, the National Research Council, and the National Academy of Sciences.

The records include programs, correspondence, handwritten notes, agendas, schedules, copies of papers, speeches delivered by the Director and other event participants, minutes, reports, questionnaires, slides, brochures, testimony before congressional committees, and related records. The records concern discussions of current scientific topics and program areas such as earthquake-hazards reduction, coordination of the Earth Resources Observation Systems (EROS) Program, mineral exploration, and water-resources development.
57. RECORDS CONCERNING NAVAL OIL RESERVES. 1921-27. 4 in.

Arranged by subject or type of record and thereunder chronologically.

The series includes a summary history of the establishment of Naval Oil Reserves Nos. 1 and 2 (Elk Hills and Buena Vista Hills, respectively, in California) and No. 3 (Teapot Dome in Wyoming); a report of the Secretary of the Interior to the President dated June 3, 1922, submitted to Congress on June 7, 1922, concerning contracts for drilling oil wells on naval oil reserves; an unsigned, manuscript report, compiled as of 1923 and titled "History of the Midwest Organizations with Special Reference to the Oil Refining or Purchasing Contracts"; correspondence; Executive Orders; maps; geologists' summary reports; and other records concerning, litigation, leases, drilling, and withdrawals. Also contains minutes of meetings, correspondence, a draft of the final report, and other records concerning the President's Commission on Oil Reserves. The records also include references to Naval Oil Reserve No. 4 in Alaska and to Naval Oil Shale Reserves in Colorado (No. 1), and Utah.

On March 25, 1924, President Calvin Coolidge appointed a three-person Commission on Oil Reserves to consider the situation in each of the naval oil reserves, in view of the Navy's need for fuel oil, and make recommendations to protect and (or) enlarge the reserves. George O. Smith served as Chairman of the Commission.

58. HAROLD ERNEST VOKES FILE. 1942-45. 5 in.

Arranged by subject or type of record.

Draft and final copies of press releases, speeches, memorandums, reports, and internal administrative issuances concerning the organization and programs of the USGS during World War II. The records also contain information about postwar plans and a draft of a history of the USGS in World War II. Duplicate copies of parts of the draft history are part of the Records of the Office of the Secretary of the Interior, Record Group 48, in the National Archives.

59. RECORDS CONCERNING USGS PARTICIPATION ON AGENCY AND INTERAGENCY COMMITTEES. 1944-68. 10 ft.

Arranged by name of committee or other organization, thereunder by type of record (when appropriate), and thereunder chronologically.

Correspondence, memorandums, minutes and summaries of meetings, program and technical reports, budget estimates and other fiscal records, organization charts, administrative and other processed issuances, and maps. The records document USGS representation on and cooperation with interagency and departmental committees, particularly those involving river basins. The USGS cooperated in the compilation of hydrologic data, mineral-resource surveys, and projects for converting saline water. The interagency committees represented in the records are those concerning the Arkansas-Red-White Basins, Columbia River Basin, Missouri River Basin, and New England-New York; field committees represented in the records concern Alaska, Colorado River, Great Basin, Eastern, Missouri River Basin, Northeast, Pacific Central, Pacific Northwest, Pacific Southwest, Phoenix, and Southwest. Others represented in the records are the committees Artificial Precipitation, Saline Water Conversion, Conservation, Research and Development. Other organizations represented in the records include the Task Force on Ecological Survey and Research, Montana Natural Resources Council, National Minerals Advisory Council, and the Federal Council for Science and Technology.

There are also files concerning the USGS’s General Staff Committee including chronological files dated from August 1961 to December 1962.
In 1946 the position of Staff Geologist for Territories and Island Possessions was established by Survey Order 156. John C. Reed (Sr.) was appointed to the position. Reed had been Acting Chief Alaskan Geologist. The duties of the Staff Geologist including acting as an advisor and consultant to the Director on matters relating to USGS work in the territorial possessions of the United States and coordinating the work of the major line units of the agency in those areas. The position title was later changed to Staff Coordinator for Foreign and Territorial Functions.

60. RECORDS OF JOHN CALVIN REED (SR.), STAFF GEOLOGIST FOR TERRITORIES AND ISLAND POSSESSIONS. 1946-53. 4 ft.

Arranged according to a decimal classification scheme, and thereunder chronologically. See Appendix 5 in this inventory for a file title list.

Chiefly correspondence and memorandums, but also includes statistical tables and summaries, reports, handwritten calculations and notes, quarterly reports of the Topographic Division, completed "authority of field work" forms, press releases, newspaper clippings, copies of congressional bills, minutes of meetings, travel vouchers, copies of itineraries, circulars, plats, and other records concerning Reed's role as coordinator of the various activities of the USGS in Alaska and other U.S. possessions.

Includes information relating to project proposals and active investigations and surveys in Alaska, Hawaii, Puerto Rico, Virgin Islands, and Trust Territories; appropriations and allotments for these projects and Reed's office; cooperation with other Federal agencies, including the Bureau of Land Management, Bureau of Reclamation, Bureau of Mines, War Department, Alaska Road Commission, National Park Service, and Department of Agriculture; Reed's recommendations and comments regarding projects, personnel, and publications; and his participation on committees and advisory boards, and other official activities as staff geologist.

Most of the records pertain to Alaska. Specific projects mentioned include the Alaska Terrain-Permafrost Program (dating from 1943), Alaska Volcano Investigations, Alaska Coal Investigations, and the Arctic Health Institute.

For other records on Alaska, see the records of the Division of Alaskan Mineral Resources, entries 216 and 217; records concerning the Aleutian Volcano Project, entry 249; the records of the Alaskan Geology Branch, entries 258-265; records of the Alaska Terrain and Permafrost Section of Military Geology Branch, entry 285; records concerning Land and Stream Classification, entry 675, and the Central Files of the Alaskan Branch, entry 680. For other records concerning Reed’s service with the USGS, see entry 681.
Arch C. Gerlach was appointed Chief Geographer of the USGS in 1967. Since 1962 Gerlach had been on a part-time detail to the USGS from his position as Chief of the Geography and Map Division at the Library of Congress. He held the position of Staff Geographer and was responsible for organizing and managing the National Atlas Project. In 1966 he was also assigned responsibility for overseeing the newly inaugurated Geographic Applications Program in the USGS. The program was initiated by the National Aeronautics and Space Administration, which funded research centers in several government agencies to study the application of data from remote sensors in aircraft and spacecraft to cartography, geology, hydrology, and other disciplines.

Gerlach retired in 1972 and was succeeded as Chief Geographer by James R. Anderson. In 1975 the Geographic Applications Program was made part of the newly established Land Information and Analysis Office (LIA). In 1980 the LIA was renamed the Office of Earth Science Applications and the LIA’s Geography Program was transferred to the National Mapping Division.

General Records, 1950-72

61. GENERAL ADMINISTRATIVE FILES. 1962-71. 2 ft.

Arranged by subject or type of record, and thereunder chronologically.

Correspondence, memorandums, reports, and statistical budget summaries relating to the general functions and management of the Office. Also included are correspondence regarding requests and plans for Arch C. Gerlach to deliver lectures, write articles or review books, and copies of publishers’ appraisal forms; correspondence, memorandums and reports regarding the proposed and approved plans for the USGS Geographic Applications Program, especially the Earth Resources Observation Systems Program, and the USGS Urban Program, in which the Geography Office cooperated in a study of stress areas resulting from urban growth; agenda, minutes, reports of meetings, and other records relating to the mapping of quantitative information, orbital remote-sensing data, and the development of the mineral resources of the oceans.

62. WORKING PAPERS OF ARCH CLIVE GERLACH. 1950-72. 10 in.

Arranged by subject or type of record, and thereunder chronologically.

Personal professional correspondence, memorandums, published papers, copies of speeches and lectures, newspaper clippings, award certificates, photographic prints, and other memorabilia concerning Gerlach's career and professional activities as a geographer and government official. Also includes correspondence, copies of itineraries, passports, and certifications documenting Gerlach's travels as an employee of the Library of Congress and as a member of various professional organizations, particularly the Pan American Institute of Geography and History (PAIGH) and the International Geographical Union (IGU), employment applications, reports of security investigations, and other personnel records relating to Gerlach's career with the Federal government.

Other records relating to PAIGH are described in entries 67-78.
63. RECORDS CONCERNING ARCH CLIVE GERLACH'S PARTICIPATION IN INTERNATIONAL PROFESSIONAL ORGANIZATIONS. 1950-72. 3 ft.

Arranged by subject, and thereunder chronologically.

Correspondence, memorandums, agenda, minutes of meetings, reports, conference papers, copies of resolutions and directives, statistical summaries, bulletins, maps, and other records concerning Gerlach's participation and leadership in international professional organizations and their committees and conferences. The organizations documented include the International Geographical Union (IGU), the Pan American Institute of Geography and History (PAIGH), and the International Cartographic Association.

Also contains correspondence, memorandums, reports, bulletins, and maps relating to Gerlach's role in the publication of an International Atlas by Rand McNally and Company in 1969; lists and some payment requisitions for expenses incurred by members of the U.S. National Committee of the IGU; transparencies, magazines and photographic prints used in the U.S. National Exhibit at the 21st International Geographical Congress in 1968; photographic prints of standard exhibit panels prepared by the USGS's Exhibits Committee relating to geographic topics; and reports in Spanish (some have English translations).

64. RECORDS CONCERNING THE CATALOGING OF CARTOGRAPHIC MATERIALS. 1953-55. 0.5 in.

Arranged by type of document.

Correspondence, memorandums, reports, minutes of meetings, and processed issuances regarding the classification and cataloging of cartographic materials. Included is a Special Libraries report on map cataloging (1953), and an IGU report on map classification (1955). Gerlach was a member of the Commission on the Classification of Geographic and Cartographic Publications. These records were maintained by Gerlach while he was Chief of the Map Division at the Library of Congress. The records include printed reference material dated 1904.

65. RECORDS CONCERNING THE GEOGRAPHIC APPLICATIONS PROGRAM. 1965-71. 8 ft.

Arranged by subject or type of record, and thereunder chronologically.

Correspondence, memorandums, reports, manuscripts, publications, and other records relating to the general functions and programs of the Geographic Applications Program (GAP); agenda, minutes of meetings, working papers, conference papers, conference summaries, manuscripts, publications, statistical summaries, newsletters, chronological files (January 1, 1967 to December 31, 1971), graphs, charts, and maps documenting the relationship between the Chief Geographer and the Program, and the plans and projects of the committees and conferences sponsored by the National Academy of Sciences, the National Research Council, the Earth Resources Observation Systems (EROS) Program, the National Aeronautics and Space Administration (NASA), the Interagency Committee on Land Use Information and Classification, and the Agency for International Development. Also included are photographic prints of some GAP exhibits, and the participants in an EROS Program meeting in 1971; transparencies and photographs used as illustrations at meetings of NASA's Aircraft Program; and copies of flight logs and mission reports from NASA's remote-sensing aircraft missions.

66. REEL-TO-REEL TAPES. June 1971. 3 items

A taped record of some of the sessions of the Interagency on Land Use Information and Classification Conference in June 1971. Summaries of the tapes are with the records described in entry 65.
The Pan-American Institute of Geography and History (PAIGH) was created in 1928 by a resolution of the sixth Inter-American Conference of Ministers in Havana. The Institute’s mission is to encourage, coordinate, and publicize geographic and historical studies concerning the Western Hemisphere and to promote international cooperation among the American nations in these fields. In 1929 the Institute’s headquarters were established as a General Secretariat in Mexico City. The organization functioned independently until 1949 when it was absorbed by the Organization of American States (OAS) and became the first of six specialized institutes.

The Institute’s work is accomplished through its General Assembly, Directing Council, General Secretariat, Commissions, and National Sections. The General Assembly, usually meeting quadrennially, and Directing Council, usually meeting annually, are responsible for determining administrative and program policies that are implemented by the General Secretariat. In 1943, 1947, 1949, and 1969, respectively, Commissions on Cartography, Geography, History, and Geophysics were created to concentrate efforts in these specialized fields. Most technical work is performed by the Commissions, their Committees, and their Working Groups. A quadrennial Consultation (Conference) is held by each Commission at which current projects are evaluated, new projects are authorized, and scholarly and technical presentations are made. Each member nation is represented in equal numbers in the General Assembly, Directing Council, and Commissions. A National Section is comprised of all the members of a particular nation’s delegation to PAIGH.

67. RECORDS RELATING TO THE PAN-AMERICAN INSTITUTE OF GEOGRAPHY AND HISTORY. 1955-77. 5 in

Arranged by type of document.

Correspondence, membership lists, copies of articles, annual and semi-annual reports, newspaper clippings, photographs, and lists of training films available through PAIGH. The records relate to appointments of Institute officers, cooperation with national sections, budget matters, and status of projects, particularly the tectonic and geologic maps of South America, and the TANDIL Project - consisting of experimental work to determine the accuracy of photogrammetric surveys. Some of the records are in Spanish.

68. RECORDS RELATING TO MEETINGS OF THE GENERAL ASSEMBLY. 1945-77. 10 in.

Arranged chronologically by meeting and thereunder by subject.

Chiefly programs, including draft versions, agenda, including preliminary and final, lists of delegates, and printed copies of the “Final Act” - a report on the organization and processing of a meeting of the General Assembly. Also included are memorandums, photographs of exhibits and groups of delegates, reports of the United States delegation, lists of maps and reports, guidance and position papers for the U. S. delegation, and other records. The records concern the planning and organization of meetings of the general assembly. There is some information about preliminary meetings and meetings of the Consultation on Cartography.

Some of the records are in Spanish.

69. RECORDS RELATING TO MEETINGS OF DIRECTING COUNCIL. 1956-72. 5 in.

Arranged chronologically by meeting.
Chiefly reports of the United States delegation to the Council, correspondence, reports of consultations, and final reports of meetings. Some of the records are in Spanish.

The Directing Council, comprised of one delegate from each member country, meets annually between assemblies to carry out the administrative business of the institute.

70. RECORDS RELATING TO THE COMMISSION ON CARTOGRAPHY. 1957-79. 15 in.

Arranged by subject.

Correspondence, memorandums, agenda, progress reports, copies of technical papers, lists of members, minutes of meetings, resolutions and other records relating to the organization, meetings, and work programs of the committees and subcommittees of the Commission. There are also other records concerning the reorganization of the Commission in 1966 and the establishment of an aerial-camera test range in Latin America.

71. RECORDS CONCERNING CONSULTATIONS ON CARTOGRAPHY. 1943-73. 2 ft.

Arranged chronologically by date of consultation and thereunder by subject.

Chiefly programs and agenda, minutes, reports of committees and subcommittees, reports of the U. S. delegation to the Commission on Cartography, resolutions and recommendations, final acts, and copies of technical papers, but also including correspondence, memorandums, exhibit lists, photographs of exhibits, handwritten notes, and itineraries.

The records concern the coordination of work programs and the exchange of data between national sections under the auspices of the technical committees and subcommittees of the Commission on Cartography.

72. RECORDS RELATING TO THE COMMISSION ON GEOGRAPHY, THE COMMISSION ON HISTORY, AND THE SPECIAL COMMITTEE ON GEOPHYSICAL SCIENCE. 1944, 1950-75. 3 in.

Arranged by commission or committee.

Chiefly processed issuances on PAIGH letterhead comprising summary minutes, reports, resolutions, and recommendations, but also including correspondence, and minutes of meetings. The records relate to commission and committee functions, organization, and personnel. The 1944 item is a copy of the program for the Second Pan American Consultation on Geography and Cartography. Some of the records are in Spanish.

73. RECORDS RELATING TO THE WORKING GROUPS OF THE COMMISSION ON CARTOGRAPHY. 1961-78. 5 in.

Arranged by work group and thereunder by type of record.

Correspondence, copies of technical papers, reports and other records concerning the meetings and recommendations of the working groups. The recommendations addressed such matters as map symbols and standards, geodetic control networks, use of digital map data, and technical map specifications.
74. RECORDS OF THE UNITED STATES NATIONAL SECTION. 1961-69. 5 in.

Arranged in rough chronological order.

Correspondence, list of members of the National Section of the United States (1968), draft regulations (1961), a draft copy of a “statement in support of legislation to authorize [a] U. S. Contribution to the Pan American Institute of Geography and History” (1965), and a paper titled “Program Narrative - Pan American Institute of Geography and History.”

The records concern membership, organization, and objectives of the National Section, the nomination of Arch C. Gerlach to be Vice President of PAIGH in 1964, and discussion about the United States quota payment to the Institute.

75. RECORDS OF THE UNITED STATES NATIONAL SECTION OF THE COMMISSION ON CARTOGRAPHY. 1964-80. 10 in.

Arranged in four sections: correspondence, meetings, special projects, and progress reports, and thereunder in rough chronological order.

Correspondence, memorandums, minutes of meetings, lists of delegates, agenda, copies of the reports of the United States National Section to the Commission, and related records. The records concern the preparation of Section reports and exhibits, submission of technical papers, nominations for United States vacancies on committees and working groups of the Commission, discussion of proposed resolutions, formulation of work programs, and review of budget and administrative issues.

There are some reference materials dating from 1954 in the last folder.

76. RECORDS RELATING TO THE TECHNICAL CONFERENCE ON SPECIAL MAPS. 1965. 1 in.

Arranged by type of record.

Memorandums, programs, list of delegates, a captioned group photograph of participants, speeches, working group discussion guides, copies of technical papers, and a list of equipment owned by the Military Geographical Institute of Peru.

The conference was held January 18-26, 1965, in Ottawa, Canada.

Some of the records are in Spanish.

77. BOLETIN AEREO. 1955-72. 3 in.

Arranged as follows: the Spanish language original, from March 1955 to September-October 1972, and an English translation, from September-October 1967 to January-February 1971.

The newsletter disseminates a summary of the activities of PAIGH.
REFERENCE MATERIAL. ca. 1948-76. 5 in.

Arranged by meeting or name of organization.

Technical papers, agenda, programs, minutes of meetings, delegate and membership lists, printed reports and brochures, photographs, speeches, correspondence, and memorandums concerning meetings, conferences and symposiums sponsored by international organizations relating to cadastral surveys and mapping. The meetings include the First Pan American Conference on Cadastre (1971), Conference of Latin American Geographers (1970), I Symposium on the Natural Resources of Cuba (1958), North American Symposium on Urban Surveys and Mapping (1969), and United States National Working Group on Cartography (1961-62).

There is also a file concerning studies sponsored by the Division of Earth Sciences of the National Academy of Sciences (1960-61).
79. MAPS SHOWING THE LOCATIONS OF POST OFFICES. 1839. 2 items. [NWCS, maps and plans]

A map of Illinois and Missouri, and a map of Mississippi, Louisiana, and Arkansas showing the locations of post offices, post roads, canals, and railroads. The maps were compiled by David H. Burr.

80. MAP SHOWING ARMY DEPLOYMENT IN FLORIDA. 1856. 1 item. [NWCS, maps and plans]

A “Sketch showing the Positions and Communications Established by the Army in its Operations against the Seminole Indians South of Mosquito Inlet, Florida.”

81. MAP OF THE UNITED STATES. ca. 1880. 12 items. [NWCS, maps and plans]

A mounted oversize manuscript map of the United States in 12 sections. The large-scale map shows State and county boundaries, cities and towns, railroad lines, and Indian reservations.

82. PLATS OF TAXABLE LANDS IN MCCORMICK COUNTY, SOUTH CAROLINA. 1934. approx. 240 items. [NWCS, maps and plans]

The small tracings, which show land surveys, are arranged numerically by school district, 1 to 27, and thereunder by site. There are no folders for districts numbered 12, and 20 to 23. There are also two folders for unlisted sites and a folder containing alphabetical lists of land owners, taken from tax lists.

83. ORGANIZATION CHARTS AND AN ADMINISTRATIVE MAP. 1935-53. 24 items. [NWCS, maps and plans]

The series consists of charts showing organizational relationships within the USGS, a map showing the locations of the principal field offices of the agency (1953), and a historical organization chart for the Water Resources Division compiled in 1953.

84. MAPS THAT ACCOMPANIED A REPORT TO THE OFFICE OF THE NATIONAL PETROLEUM RESERVE. 1981. 2 ft. [NWCS, maps and plans]

Arranged in record cases Nos. 2 to 5.

Exploration maps and charts of areas in Alaska compiled as part of a Technical Services Contract. Included are depth, structure, isopach, and paleoenvironmental maps; correlation cross sections; and test charts and diagrams. There is no narrative report with these records.

In 1976 Naval Petroleum Reserve No. 4 was renamed the National Petroleum Reserve in Alaska. The Office of the National Petroleum Reserve in Alaska (ONPRA) was established in the Office of the Director of the USGS in 1977 to oversee and manage the program. In 1984 the Barrow gas fields, Walakpa gas discovery site, and other lands within the reserve were transferred to the North Slope Borough for exploration and development.
85. PHOTOGRAPHIC PRINTS OF VIEWS OF THE WESTERN UNITED STATES AND OTHER SUBJECTS. ca. 1864-1910. 23 items.

Arranged by NARA-assigned number. This is series MW (NWCS, still pictures).

The series consists of unidentified views of landscapes in the Western United States, including views of mountain ranges and bodies of water. The identified photographs include an autographed portrait of John W. Powell; a view of the Uinta Mountains; a prospector “mushing” the trail on the Fairbanks-Valdez Road in Alaska; Twin Falls of the Snake River, Idaho; a group portrait of USGS personnel taken about 1882; and a portrait of the members of the State Geological Survey of California, taken in 1864, which includes Clarence King.

86. PHOTOGRAPHIC PRINTS OF THE WEST BY WILLIAM HENRY JACKSON. ca. 1869-86. 1 ft.

Arranged by NARA-assigned number and thereunder roughly by size. This is series WJ (NWCS, still pictures).

Mounted prints that provide photographic documentation of the areas explored by the “Hayden Survey,” especially mountain ranges, canyons, waterfalls, and hot springs, in and adjacent to Yellowstone National Park. Other subjects include views of a Shoshone Indian village and its chief, Washakie, the Cimarron landslide in Colorado in 1886, and Chihuahua, Mexico.

Interspersed are some photographs stamped “W. H. Jackson Co.,” which were taken by Jackson after he established a commercial photography business in Denver in 1879.

Original negatives for some of the prints are described in series HS (entry 34).

87. THE JOHN K. HILLERS PHOTOGRAPHIC COLLECTION. ca. 1871-1900. 4 albums and loose items. 12 ft.

Arranged by format (mounted, unmounted, and glass-plate negatives), and thereunder unarranged. Most of the photographs have captions and dates. A caption list prepared by the agency is available for researcher use at the National Archives. This is series PS (NWCS, still pictures).

The photographs were collected by John K. Hillers (originally Johann Karl Hillers), a photographer with the “Powell Survey,” who joined the USGS in 1881 and served as Chief of its Photographic Laboratory, 1883-1900. Many of the photographs were taken by Elias O. Beaman, James Fennemore, and Hillers, photographers with the “Powell Survey.” The subjects include the Colorado and Green Rivers, and adjacent tributaries and canyons; geologic formations, landscape scenes, and panoramas; settlements and railroad stations; survey party members, camp sites, boats and other equipment; and Indian ruins.

Other photographs illustrate early activities of the USGS including scenes of damage caused by the 1886 Charleston earthquake; views of geologic formations near Baltimore and at the head of Chesapeake Bay; Niagara Falls and the New River, West Virginia; mountains, rivers, springs, waterfalls, mines, and quarries in the southeastern United States; Zion and Yellowstone National Parks; and wax models from a mountain-making laboratory experiment done by Bailey Willis in 1891.
88. PHOTOGRAPHS OF USGS PERSONNEL. n.d. 1 in.

Arranged in two sets - geologic staff and topographic staff. This is series OV (NWCS, still pictures).

Oval-portrait photographs (about 2.5 in. high) mounted on unbound album pages. The first set includes photographs of geologists, geologic aids, assistant geologists, palaeontologists, and statisticians. The second set includes photographs of topographers, assistant topographers, topographic engineers, junior engineers, and geographers. Most of the photographs are captioned with the name of the individual, position titles, and what may be dates of service.

89. PHOTOGRAPHS TAKEN IN THE FIELD BY GEOLOGISTS, HYDROLOGISTS AND OTHER PERSONNEL OF THE USGS. ca. 1871-1959. 18 ft. 140 albums.

Arranged by name of photographer (chiefly geologists) or subject. Some of the albums do not give the name of the photographer. Some of the albums have a table of contents. Many of the photographs are captioned. This is series GH (NWCS, still pictures).

Photographs taken by geologists include subjects such as geologic strata, natural rock formations, landscapes, and panoramic views; mines and mining facilities, miners’ homes, quarries, ore pits, mills, and processing plants; iron, manganese, sandstone, limestone, and bauxite deposits; beach ridges, corals and sand dunes; and undated aerial photographs of parts of the Potomac River and tributary streams near Washington D.C. and the New Jersey coastline. There are photographs from most regions of the United States, and Yukon Territory, the Panama Canal Zone, the Bahamas, Haiti, the West Indies, and Brazil. The photographers named on the album covers are Edwin H. Barbour, Ernest F. Burchard, Charles Butts, Robert R. Coats, C. Whitman Cross, Lincoln G. Eakins, Henry G. Ferguson, Ernest Howe, James Jackson, Willard D. Johnson, Philip B. King, Esper S. Larsen, Willis T. Lee, Hugh D. Miser, Fred H. Moffit, Louis M. Prindle, John R. Stacy, Lloyd W. Stevenson, Thomas W. Vaughan, Wendell P. Woodring, and Ralf R. Woolley. Other photographers are named on the captions that accompany many of the pictures.

Several USGS parties visited Alaska. Their photographs cover towns, mines, logging operations, and dog stations (Prindle, 1903); marble quarries (Burchard, ca. 1913); cabins, glaciers, mines and thin sections (Moffit, 1940); and native activities, USGS camps, and glaciers (Coats, 1940-47).

Of particular interest are photographs of Indian hogans and pictographs (Lee); photographs taken in 1959 of damage from an earthquake in Montana (Stacy); buildings made of local sandstone and granite (Burchard); homemade windmills in Nebraska in 1898 (Barbour); photographs in Switzerland and of the Jura Mountains in 1887 (Jackson); and a captioned group portrait of district engineers who attended a Water Resources Division Conference of District Engineers on October 17-23, 1923 (box 6).

Photographs taken by hydrologists chiefly document various surveys of the Grand Canyon and adjacent areas. Included are a collection of stereoscopic prints of boats and equipment, survey party members in camp, geologic formations, and landscapes attributed to Hillers taken during his service with the “Powell Survey,” 1871-72 (box 2); photographs showing river scenes, Indian pictographs, and landscapes taken by Eugene C. LaRue during a survey of the Grand Canyon, and Cataract and Glen Canyons in 1914-23 (8 albums); and photographs of the Grand Canyon area taken by Norman W. Carkhoff in 1901 while with a party of geologists that included Nelson H. Darton, Walcott, and Gilbert (box 1). One album contains photographs, taken in 1918-21, of constructed and proposed dam sites, power plants, reclamation and power project sites, waterfalls, lakes, rivers, and ranches located chiefly in Idaho, Montana, Utah, and Wyoming. Also included are photographs taken by Ralf R. Woolley during a survey of the Green River Basin, 1920-22; camp sites, dinosaur quarries, dams under construction, streams, power plants, reservoirs, and proposed dam sites located in the western United States, 1923-29; and scenes of Silver City, New Mexico, 1924, Chicago, Illinois, 1927, Ogden, Utah, 1929, and Rainbow, Utah, 1929. The Woolley photographs are in 3 albums.
Some of the these photographs are duplicated in other series held by the Still Pictures Division. These albums once were part of a large collection of albums held by the USGS. It is possible that there will be significant accretions to this series.

90. MISCELLANEOUS PHOTOGRAPHS. n.d. 8 items

Unarranged. [Filed with the textual records.]

Undated and untitled photographs including posed groups of individuals (one is annotated with the dates of the resignation, transfer or death of the pictured individuals), office scenes, and what appears to be a formal dedication of a building, perhaps the new Interior Department Building.
In the early years of the USGS, the Director administered the agency’s programs and supervised its personnel with the sometime assistance of an Executive Officer, a General Assistant, a Chief Disbursing Clerk, and a Chief Clerk, who was responsible for the preparation of USGS letters and reports, action on incoming letters, and preparation of forms and maintenance of other records relating to appointments and personnel. In 1894 the Director merged these and other functions in an Administrative Branch. The new branch included a Division of Documents, Correspondence, and Records; the Library; and a Division of Disbursements and Accounts. A decade later the Administrative Branch comprised three divisions--Executive, Disbursements and Accounts, and Illustrations--and the Library.

By 1920 the Administrative Branch was composed of the Executive Division, Division of Accounts, Division of Scientific and Technical Field Equipment, and the Library. In 1925 the Administrative Branch was abolished by Survey Order 116, but the functions and duties of the former Branch remained under the supervision of the Chief Clerk. In 1948 Survey Order 168 abolished the position of Chief Clerk and the Administrative Geologist temporarily assumed supervision of many of the Chief Clerk’s duties. That same year the position of Executive Officer was reestablished by Survey Order 169 as a staff position in the Director’s Office to advise the Director in matters relating to business management with supervision of functions formerly under the Chief Clerk. Supervision of the Library had been transferred to the Geologic Branch in 1947.

In 1953 Survey Order 222 established an Administrative Division under the Executive Officer comprised of the Budget Office, Organization and Management Office, Accounts Branch, Service and Supply Branch, and Rocky Mountain Service and Supply Branch, in Denver, Colorado (established in 1951). In the next two years the USGS established within the division a Pacific Coast Branch, in Menlo Park, California, a Mid-Continent Branch in Rolla, Missouri, and an Atlantic Branch, in Washington, D.C.

Records concerning Personnel, 1879-1965

91. APPLICATIONS REGISTER. Jan. 1879 - Apr. 1886. 2 in. 1 vol.

Arranged by year and thereunder by assigned number. The front of the volume contains an index to applicants. The index is divided into Ethnologic Applications and Geologic Applications.

Entries include the file number, name of applicant and residence, date of application, position applied for, by whom recommended, action, and remarks. Applications are filed with the records described in entry 44. The pages used in the volume are folios 1-120 and 200-202.

92. APPOINTMENTS REGISTER. 1879-90. 1 in. 1 vol.

Arranged by name of appointee. The front of the volume contains an index to appointees.

Entries include the name of the appointee, position, State of birth, State appointed from, date of appointment, where employed, compensation, and remarks. Notes concerning resignations and reappointments extend to 1895. No other appointments registers have been found.

Records relating to the appointment of USGS personnel, from 1879 to 1907 are part of the records of the Appointments Division, Record Group 48, Records of the Office of the Secretary of the Interior.
93. PERSONAL STATEMENTS. 1921-24. 5 in.

Arranged alphabetically by name of employee.

Statements completed by USGS employees showing their position and salary, date and place of birth, race (if colored), marital status, employment history and military service. Some forms also requested education information, and names and positions of relatives in U.S. Government service. Most of the forms were completed in 1922.

94. RECORDS RELATING TO PERSONNEL CLASSIFICATION. 1921-41. 5 in.

Arranged by subject or type of record.

Departmental and other circulars (chiefly issued by the Bureau of Efficiency, Civil Service Commission and Personnel Classification Board), memorandums, reports, and summaries of service ratings and final ratings for the Personnel Classification Board concerning the classification, efficiency ratings, and promotions of USGS employees. Most of the records date from 1923.

The Personnel Classification Board was established as an independent board under the provision of the Classification Act approved May 4, 1923 (42 Stat. L., 1488). The Board was abolished June 30, 1931 and its functions assumed by the newly created Personnel Classification Division of the United States Civil Service Commission.

95. PERSONNEL "NOTES." 1926-34. 3 in.

Arranged chronologically.

Processed issuances, usually compiled at one-week intervals, showing appointments, assignments and transfers, furloughs, changes of address, changes of name of newly married female employees, and retirements for central office and field staff.

96. TABULATIONS OF PERSONNEL ALLOCATIONS AND RELATED RECORDS. 1959-65. 8 in.

Arranged by year and thereunder by type of record.

The bulk of the series is consists of computer printouts titled “Detail of Personal Services,” 1959-65. The contents are arranged by organizational unit and thereunder in groups by grade of employee. Columnar information includes name of employee, grade, position title, organization code, and salary. A second set of computer printouts is titled “Payroll Master Listing,” 1964-65. The contents are arranged in rough alphabetical order by name of employee. Information about each employee includes their grade, salary, organization code, and date of birth.

Also included are completed oversized statistical tables titled “Summary of Obligations for Research and Development, R & D Plant and Data Collection; and Manpower Requirements for Research and Development.” The forms, completed in 1962, project data for fiscal years 1961-66 and 1970. The data was compiled for a study undertaken by the National Science Foundation for the Federal Council for Science and Technology.
Records concerning Administration, 1901-72

97. REPORTS. 1901-12, 1926-27, 1930. 2 ft.

Arranged by year, thereunder by type of report, and thereunder by USGS unit.

Monthly, annual, and administrative reports received by the Director of the USGS concerning the personnel, status of projects, projected program of work, and other subjects from organizational units and individuals in charge of field parties. Some reports are accompanied by statistical tables or lists. A few of the reports are edited and annotated. The 1926-30 (monthly) reports are from the Geologic Division. Also included are copies of a few reports from the Director of the USGS to the Secretary of the Interior.

98. ESTIMATES OF APPROPRIATIONS AND RELATED RECORDS. 1925-49. 2 ft.

Arranged chronologically by year, and thereunder by type of record.

Completed statements, and forms accompanied by justifications concerning annual budgets. The records were compiled 1925-1949 and concern fiscal years 1926-50. There are no records for fiscal year 1931 in the file.


Arranged in two segments: first (1932-45), chronologically by year and thereunder by type of record; and second (1946-69), chronologically by year and thereunder by assigned number.

In the second segment, the last two digits of the fiscal year in which the file was compiled precede the file number for files created to 1958; thereafter, the fiscal year follows the file number.

Budget estimates, summaries and justifications, allotment statements, tabular reports, directives, circulars and other administrative issuances, organization charts, graphs, correspondence, memorandums, and press releases. Also contains records concerning research and development, interagency, regional and State programs, foreign-survey projects, and personnel.

100. ORGANIZATIONAL RECORDS. 1925, 1944-69. 1.5 ft.

Arranged by type of record, organizational unit or subject.

Chiefly organization charts and Survey Orders (Nos. 150 to 252) and Amendments, but also including correspondence, memorandums, management studies, handwritten notes, minutes and meetings, and other records concerning the organizational structure and functions of the organizational units of the USGS. There are also records concerning the impact of the Interior Department’s regionalization program on the USGS. The records include a list of Survey Orders (1 to 252) that shows the date, subject, and status of each order.

There are no separate organizational files for the Water Resources or Alaska Divisions, although these units are discussed in memorandums and studies that are part of the records. The 1925 item is a USGS organization chart.
101. ADMINISTRATIVE ISSUANCES. 1950-72. 8 ft.

Arranged by type of issuance and thereunder chronologically as follows: Administrative Memoranda, 1950-56 [boxes 1 and 18]; Administrative Circulars, 1951-55 (Nos. 1 to 88) [box 1]; Manual Releases, 1956-72 (Nos. 1 to 1299) [boxes 2-12 and 19]; Survey Orders, 1951-59 (Nos. 212 to 251) [box 13]; and Administrative Digests, 1952-72 (Nos. 1 to 576) [boxes 13-17]. Revisions and amendments of numbered issuances are filed by approval date. These sets are not complete.

Chiefly draft and final copies of issuances, including related forms and charts, issued by the authority of the Director of the USGS, or an official designated by the Director, and were effective throughout the agency. Draft, background, and signed copies of the issuances are interspersed.

The Administrative Memoranda and Administrative Circulars interpreted policy regarding administrative actions and set forth the formal procedures for preparing and processing contracts, authorizations, travel orders, and other forms. Both issuances were replaced by the Manual Releases which gave notice of official changes in the official Manual of the USGS. Survey Orders supplemented the Manual in providing detailed explanations of organizational changes, definitions of unit functions and relationships, and the establishment of USGS boards, committees, and other advisory bodies. Administrative Digests were intended to inform succinctly USGS managers about all changes or actions that effected agency policy and programs.

102. DEPARTMENT OF THE INTERIOR PRESS RELEASES RELATING TO THE USGS. 1928-59. 10 in.

Arranged chronologically.

Processed press releases announcing the results of hydrologic and geologic investigations and the availability of maps and charts for public examination or for sale. A few of the press releases are accompanied by maps. This series does not contain press releases for 1929, 1930, 1936, 1937, and 1939.

Press releases relating to the USGS are found in several post-1907 series in Record Group 48, Records of the Office of the Secretary of the Interior.
In the early years of the USGS the Director, the Executive Officer, and the Chief Clerk oversaw the editing of the agency’s publications. By 1884 the volume of manuscript material to be reviewed prompted the Director to delegate regular editorial responsibility to an Editor. In 1894 a Publications Branch was established composed of an Editorial Division (thereunder Sections of Textual Publications, Geologic Maps, and Topographic Maps), a Division of Illustrations (thereunder a Photographic Laboratory), and a Division Engraving and Printing.

In 1912 the functions of the Branch were placed under the supervision of the Administrative Geologist. In 1953 Survey Order 223 established a Publications Office. In 1959, by Survey Order 252, that Office was succeeded by a Publications Division under the supervision of a Publications Officer. The Division consisted of the Office of the Division Chief, the Branch of Texts, the Branch of Technical Illustrations, the Branch of Map Reproduction, and the Branch of Distribution. In 1980 the Publications Division was abolished; its responsibilities for producing texts and maps were assigned, respectively, to the Geologic Division and the National Mapping Division. Responsibility for producing geologic maps later passed to the Geologic Division.

*General Records, 1879-1995*

103. **CATALOGS OF PUBLICATIONS OF THE USGS. 1879-1969. 9 vols. [NWCS, maps and plans]**

The first volume covers publications for 1879-1961. The remaining volumes are annual supplements. The supplements do not form a complete set.

104. **LISTS OF NEW PUBLICATIONS OF THE USGS. 1970-95. 99 items. [NWCS, maps and plans]**

Arranged by list number.

A monthly catalog.

105. **PUBLISHED CIRCULARS. 1970-87. 6 vols. and 3 items. [NWCS, maps and plans]**

Arranged by Circular number.

Circulars 601-C, 758, 810, 826, 1003, and 1011. These Circulars are not accompanied by separate maps. The map that accompanied Circular 780 is in this series, but that Circular is not in the series.
Illustrations Section, ca. 1874-1948

106. PRESS COPIES OF LETTERS SENT BY THE DIVISION OF ILLUSTRATIONS. August 19, 1891 - January 7, 1904, and November 26, 1904. 4 in. 4 vols.

Arranged chronologically. The dates overlap between the volumes. The first and last volumes contain indexes.

Letters sent to the Director of the USGS, the Government Printing Office, and authors of monographs and others concerning the processing and review of maps, photographs, drawings, and other illustrations published by the USGS in its official publications and annual reports. Also includes monthly and annual narrative reports to the Director about the work of the Division.

107. PRESS COPIES OF LETTERS SENT BY THE SECTION OF ILLUSTRATIONS. July 11, 1898 - July 6, 1938. 4 ft. 16 vols.

Arranged chronologically. Most of the volumes are indexed by subject.

Chiefly letters to the Director of the USGS recommending illustrations to be included in agency publications, annual reports on the work of the Section (beginning with fiscal year 1903), and requesting the transfer and assignment of personnel to the Section. Also includes letters to other USGS officials, the Government Printing Office, engravers, and authors of papers undergoing review, and copies of instructions that accompanied the illustrations concerning the type and method of reproduction. Beginning in 1904 the volumes contain mounted carbon copies of letters sent.

These volumes were begun by John L. Ridgway, who succeeded De Lancey W. Gill as Chief of the Section, when Gill resigned to become the Illustrator at the Bureau of American Ethnology.

108. RECORDS OF THE COMMITTEE ON ILLUSTRATIONS. 1900-1909. 5 in. 2 scrapbooks.

Arranged chronologically. The second volume (1904-9) contains an index to authors and subjects.

Includes minutes of committee meetings, memorandums, letters to the Director of the USGS recommending maps and other illustrations for monographs, publication summaries, bulletins and reports published by the USGS, regulations governing the transmittal of illustrations to the agency, and handwritten notes.

The committee, chaired by the Chief of the Illustrations Section, comprised representatives from the divisions that submitted proposed publications for review.

109. ILLUSTRATIONS FOR BULLETINS. 1884-1948. approx. 1500 items. [NWCS, maps and plans]

Arranged numerically from 4 to 960.

Chiefly mounted drawings, maps charts, photographs, graphs, and etchings, which accompanied bulletins of the USGS including information relating to paleontology, mineralogy, geology, geography, oceanography, petrology, and related sciences. Some earlier illustrations, have the same letter number and date of receipt stamps as the related original incoming correspondence was filed the letters received, entry 44.
110. ILLUSTRATIONS FOR MONOGRAPHS. 1890-1915. approx. 300 items. [NWCS, maps and plans]

Arranged numerically from 1 to 54. There are gaps in the records.

Mounted drawings, maps, photographs, photomicrographs, photoengravings, charts, geologic profiles, and other records relating mostly to paleontology, geology, mineralology, petrography, glaciology, and topography. There are a considerable number of records relating to the iron-bearing districts of the United States and many drawings illustrating paleontological discoveries. Of particular interest are the records for USGS Monograph 32, Part 2, “Geology of the Yellowstone National Park.” Most of the illustrations are captioned and the maps include color keys. A manuscript copy of a portion of Monograph 32, Part 1 is part of the records described in entry 146.

111. ILLUSTRATIONS FOR PROFESSIONAL PAPERS. 1902-38. approx. 700 items. [NWCS, maps and plans]

Arranged numerically from 2 to 215. There are gaps in the records.

Chiefly mounted photographs, diagrams, sketches, maps, photomicrographs, and charts. There are also instructions for reproduction of material.

112. ILLUSTRATIONS FOR WATER-SUPPLY PAPERS. 1905-48. approx. 600 items. [NWCS, maps and plans]

Arranged numerically from 140 to 999. There are gaps in the records.

Photographs, charts, graphs, diagrams, plans, drawings, maps, and other records.

113. ILLUSTRATIONS FOR ANNUAL REPORTS OF THE USGS. 1882-1932. approx. 200 items. [NWCS, maps and plans]

Arranged by date of publication. The illustrations are for the 2d to 53d annual reports of the USGS. There are no records for reports 5, 6, 10, 24 through 44, or 47 through 49.

Photographs, microphotos, diagrams, drawings (chiefly of fossils), graphs, sketches, maps and other records to accompany annual reports.

114. ILLUSTRATIONS FOR MISCELLANEOUS PUBLICATIONS. ca. 1874-1932. approx. 150 items. [NWCS, maps and plans]

Arranged according to a list that is with the records.


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Also included are illustrations relating to military camps; illustrations to accompany reports on the Cape Nome, Norton Bay, and Copper River areas; and the original and proofs of a special map made for President Harding’s trip to Alaska in 1923; and a copy of a map of Washington D. C. compiled for the Conference on the Limitation of Armaments.

115. ILLUSTRATIONS FOR CIRCULARS. 1933-34. approx. 50 items. [NWCS, maps and plans]

Arranged by Circular number 2, 6, 7, 8, and 9.

Maps, diagrams, graphs, photographs, and other records.

116. ILLUSTRATIONS FOR PRESS MEMORANDA. 1923-25. approx. 80 items. [NWCS, maps and plans]

Arranged according to a list that is with the records.

The series is comprised chiefly of maps, but also includes some diagrams, graphs, charts, copies of press notices, and other records illustrating geology, gas fields, oil, potash development, gold mines, coal beds, quicksilver deposits, cooperative geological surveys, wells, production of electric power, nonmetallic mineral resources, and the availability of water.

117. STOCK ORIGINALS. n.d. approx. 35 items. [NWCS, maps and plans]

This series includes a view of Mt. Rainier from Paradise Peak; a view of the Niagara River and vicinity; illustrations for an atlas of Texas; and an envelope of “stock cuts” for USGS Water-Supply Papers.

118. LISTS OF ILLUSTRATIONS. ca. 1917-33. approx. 200 items. [NWCS, maps and plans]

Unarranged.

Each oversized card lists the illustrations, usually by chapter, for one USGS publication. There are cards for Bulletins, Water-Supply Papers, Monographs, Professional Papers, and Guide Books. In addition to giving to publication series and number, the cards provide a brief description of each illustration, state the type of original illustration (photograph, drawing, tracing), furnish a record of the form of reproduction (zinc etching, halftone), state the printed size, and note the approval of proofs.

119. PHOTOGRAPHIC PRINTS. n.d. 3 in.

Arranged alphabetically by name of photographer and thereunder by subject. This is series ISC (NWCS, still pictures).

120.  **ILLUSTRATIONS.**  n.d. 3 items.

Unarranged.  This is series ISD (NWCS, still pictures).

The illustrations consist of an 11 in. x 14 in. mounted watercolor of a field which is signed by De Lancey W. Gill who was, according to the caption, in charge of the USGS Division of Illustrations; an 8 in. x 11.5 in. unmounted lithograph with the caption "view of The Black Forest, Mount Hope and Sierra Prieta," by E. Stout (taken from a sketch made by Albert H. Campbell for the topographical report of the Pacific Railroad Survey of the 35th Parallel); and a 3 in. x 7 in. unmounted watercolor of a tree-lined road with a caption on the reverse “found in Hersey Munroe's photo album[,] Wells probably painted this for Mr. Munroe, Topographer.”

121.  **PHOTOGRAPHIC PRINTS.**  ca. 1881-1941.  5 in.

Arranged by Professional Paper and thereunder by NARA assigned number. A few of the photographs have captions. This is series ISA (NWCS, still pictures).

Various sized halftone prints showing streams, ponds, geologic formations, and landscapes used as illustrations in USGS Water-Supply Paper 489, “The Occurrence of Ground Water in the United States, with a Discussion of Principle” (by Oscar E. Meinzer, 1923), and gaging stations used as illustrations in USGS Water-Supply Paper 871, “Summary of Yearly Discharge at Gaging Stations in North Atlantic Storage Basins” (anonymous, 1941).

122.  **PRINTS AND CORRESPONDING NEGATIVES OF PANORAMAS IN THE VICINITY OF THE COLORADO, GREEN, AND SAN JUAN RIVERS.**  ca. 1930. 0.5 in.

Arranged by agency assigned numbers. Narrative descriptions of the photographs accompany the records. This is series ISB (NWCS, still pictures).

Photographs taken by Harry A. Aurand, Consulting Geologist, showing mesas, plateaus, buttes, and geologic formations. The photographs are annotated with names of topographic and geologic features.

The photographs were sent to Roger W. Toll, Superintendent of Yellowstone Park, in 1935.
123. PRESS COPIES OF LETTERS SENT BY THE SECTION OF TEXTS. Oct. 29, 1887 - Dec. 31, 1906. 10 in. 5 vols.

Arranged chronologically. Volumes 3, 4, and 5 contain partial indexes.

Copies of letters sent to authors, printers, USGS officials, and other persons concerning the editing, processing, and printing of technical papers submitted to the Division for publication.

Also includes copies of periodic progress reports from the Section to the Director.


Arranged chronologically.

Monthly and annual reports to the Director on the status of USGS publications.

Arranged by subject, and thereunder roughly chronologically.

Correspondence, memorandums, circulars, statistical summaries, handwritten notes, a list of atlas sheets to be published, and other records concerning the production, distribution, and publicizing of the “Geologic Atlas of the United States” and its folios during 1893-97. There is also a report dated July 27, 1894, from a committee appointed by the Director “To prepare a plan for the distribution of the atlas folios.” The committee was comprised of Grove K. Gilbert, Samuel F. Emmons, and Bailey Willis. Included are a few documents relating to Monographs and Bulletins published by the USGS during 1895-99. Related records are described in entry 146.

In 1889 the USGS began the process of shaping the format of a proposed series of published geologic-atlas sheets. The folios were published from 1894 to 1945. In 1949 the Director discontinued the publication of the geologic-atlas folios and approved a new series of geologic-quadrangle maps.

126. GEOLOGIC ATLAS FOLIOS. 1894-1945. approx. 240 items. [NWCS, maps and plans]

Arranged by folio number.

Each folio contains a general introduction and an essay on the area covered by the atlas sheets. Some folios also contain topographic maps and copies of photographs. Most of the folios are bound.
In 1882 the USGS presented its plan of publication for its texts and maps, including general nomenclature, colors and symbols for geological cartography, and conventional characters for diagrams. By 24 Stat. L., 255 (August 4, 1886) Congress prohibited the USGS from preparing illustrations for or publishing its reports until appropriations were made for these purposes in response to the detailed estimates of the costs of engraving, printing, and binding required from the agency for Fiscal Year 1888 and thereafter. High-quality chromolithographs and other images from stone distinguished many of the visual products in the early years of the USGS and those of its four predecessor surveys, but the lowest-bid contracts required of the Public Printer also produced nonuniform maps and illustrations. In 1890 the USGS hired a Chief Engraver and established the Division of Engraving and Printing. In 1894 the division became a part of the Publications Branch.

The Division also did a considerable amount of lithographic work for other Government agencies. The outside work during slack intervals enabled the Division to maintain a large enough work force to expeditiously process USGS maps during times of heavy demand.

127. MAP REPRODUCTION CARDS. ca. 1901-13. 7 ft.

Arranged alphabetically by name of job.

Cards (4 in. x 6 in.), titled “Correction Sheet,” “Miscellaneous Work,” “Geology” or “Topographic Sheet,” that give information such as job number, dated entries tracing the progress of the job, and dates completed and delivered.

The cards show orders for a wide variety of items including mineral-survey plats, atlas sheets, index maps, cross-section rulings, charts, diagrams to accompany Presidential Proclamations, farm unit plats for reclamation projects, fire-escape signs, ledger sheets, and index circulars. In addition to filling requests for USGS offices, the unit also did work for the Bureau of Indian Affairs, Forest Service, Hydrographic Office, Weather Bureau, Interstate Commerce Commission, Territorial Governors, the Post Office Department, and other agencies.

128. SYMBOLS USED ON TOPOGRAPHIC AND GEOLOGIC MAPS. ca. 1890-1984. 7 items. [NWCS, maps and plans]

Brochures, tables, memorandums, and instructions showing lettering, conventional signs, symbols and features used on topographic and geologic maps.

129. PRINTING SAMPLES AND INSTRUCTIONS. ca. 1911-23. 34 items. [NWCS, maps and plans]

Arranged by format.

Mounted geologic sheets; photographs; drawings from photographs; and sketches of rock samples, geologic strata, flora, and fossils illustrating color-coding schemes and methods of color-enhancing photographs. The printed instruction sheets show the symbols to be used on maps.

130. SAMPLES OF TECHNIQUE. ca. 1947-48. approx. 30 items. [NWCS, maps and plans]

Included are examples of quadrangle maps compiled in the field, planimetric sheets showing contouring by field personnel, multiplex-compilation sheets, color separations, and metal mounts.
131. RECORDS CONCERNING PATENTS. ca. 1936-39. 3 in.

Arranged by patent.

Chiefly copies of patents obtained by Federal employees and others for plotting machines and processes of making maps from aerial photographs, aerial-photograph calculators, and other apparatus for compiling maps from photographs. Also includes correspondence regarding Charles Collier's patent for the "Slotted Templet Method" for making maps.

The original patents date as early as 1887.

132. GENERAL CORRESPONDENCE FILES. 1941-49. 2 ft.

The files are arranged by assigned number. A file title list appears as Appendix 6 in this inventory.

Chiefly correspondence, but also includes memorandums, reports, technical circulars, instructions for map-processing methods, maps, and other records concerning the organization and work of the Division, map publication and distribution, cooperation with other agencies and State geological surveys, and the development of map-processing methods.

133. PUBLISHED MAP PLATES AND CHARTS FROM BULLETINS. ca. 1904-78. approx. 240 items. [NWCS, maps and plans]

Arranged numerically by Bulletin number from No. 16 to No. 1451. A few of the maps are folded.

134. PUBLISHED MAPS FROM MONOGRAPHS. ca. 1934-64. 21 items. [NWCS, maps and plans]

Copies of maps that accompanied Monographs No. 11 to No. 64.

135. PUBLISHED MAPS FROM PROFESSIONAL PAPERS. ca. 1901-88. 10 vols. and approx. 600 items. [NWCS, maps and plans]

Arranged by number assigned to the Professional Papers.

Various sized maps that accompanied USGS Professional Papers numbered 20 to 1386B. There are also a few copies of the Professional Papers. Included are two copies of USGS Professional Paper 950, "‘Nature to be Commanded’: Earth-Science Maps Applied to Land and Water Management,” (1978). About one-third of the maps are folded.

136. MAPS THAT ACCOMPANIED WATER-SUPPLY PAPERS. 1914-72. 100 items. [NWCS, maps and plans]

Arranged by Water-Supply Paper from No. 338 to 2039-B.
The title of the report is “Potential for Aquifer Compaction, Land Subsidence, and Earth Fissures in the Tucson Basin, Pima County, Arizona.”
The major program areas of the USGS began in the Geologic Division’s ancestral units. In 1879 Director King organized the USGS in two thematic units (Mining Geology and General Geology) and four geographic-geologic divisions (Rocky Mountain, Colorado, Great Basin, and Pacific) west of the 100th Meridian. King planned to establish similar geographic units for the region east of that meridian as soon as Congress officially extended USGS work outside the public-land States and Territories. Geologists in these divisions studied and mapped stratigraphic sequences, geologic structures, and mineral deposits. They were accompanied in the field by topographers who produced the large- to small-scale cartography required as bases for the geologic maps. Investigations and mapping by the field parties generated data and analyses that informed the early work of the Land Classification Board.

By the late-1880's Director Powell had abolished King’s geographic-geologic divisions and their headquarters at Denver, Salt Lake City, and San Francisco. In their place he created a geologic unit of nine geographic and three thematic divisions, supported by eight divisions--six of paleontology, one of chemistry and physics, and one of petrography--all of which were centered at Washington, D.C. In 1889 Powell combined all these divisions in a Geologic Branch led by Grove K. Gilbert, who served as its “Chief Geologist” until 1892 when that position and the paleontologic units were discontinued. Charles D. Walcott, as “Geologist in charge of Geology and Paleontology” during 1893-94, abolished the remaining divisions and organized the staff as a single unit. Each experienced geologist and paleontologist was made chief of an independent field party, to carry out with younger aides geologic investigations within specific regions. These chiefs continued to report to Walcott after he became the third Director. In 1900 Walcott reorganized the Geologic Branch into eight thematic divisions, each in charge of a specialist, to separate the scientific and administrative control of the work. In 1902, Walcott united the Divisions of Areal Geology, Pleistocene Geology, Paleontology, Economic Geology or Metalliferous Deposits, and Economic Geology of Nonmetalliferous Deposits, as the Division of Geology and Paleontology. To head the new division, Walcott selected C. Willard Hayes, who led the nonmetalliferous unit, as the “Geologist in Charge.” In 1907, just before he became the Smithsonian Institution’s fourth Secretary, Walcott requested the Secretary of the Interior to change Hayes’ title to “Chief Geologist.” As Chief Geologist, Hayes led a Geologic Branch composed of the Geologic Division (also known as the Division of Geology and Paleontology), the Division of Alaskan Mineral Resources, the Division of Mining and Mineral Resources, and the Division of Chemical and Physical Research.

Reorganizations continued in the Geologic Branch after 1904. In 1944 the Geologic Branch was recast into three divisions - Administrative Division, Division of Economic Geology, and Division of Areal Geology and Basic Sciences. In 1946 the Division of Economic Geology comprised the sections of Metalliferous Deposits, Non-Metalliferous Deposits, Fuels, Trace Elements, and Foreign Geology. The Division of Areal Geology and Basic Sciences was composed of the sections of Engineering Geology, Areal Geology, Chemistry and Physics, Paleontology and Stratigraphy, Geophysics, Petrology, Military Geology, and Geologic Information and Reports.

The appropriations act of August 7, 1882 (22 Stat. L., 329), directed the USGS to undertake the collection of statistics relating to mines and mining, other than gold and silver. A core staff was formed to do the work. That staff became the Division of Mining and Mineral Resources. The statistical compilations prepared by the Division were published annually as “Mineral Resources of the United States.” The Division was transferred to the Bureau of Mines in 1926. In 1996 a portion of the disestablished Bureau of Mines joined the Geologic Division as its Minerals Information Team.

Chemical laboratories were established in the Denver and San Francisco field offices in 1880 and 1882, respectively, to conduct analyses of rock and mineral samples. The act of August 7, 1882, specifically directed the USGS to make chemical analysis of iron, coal, and oil. In 1883 a central laboratory was set up in Washington, D.C. under a Chief Chemist. By 1890 the two field laboratories were closed and all the analysis work was centered at headquarters. There are no records of the Division described in the inventory, but there are records concerning the Division in the central files of the Geologic Branch (entries 159 and 160).
Cooperative geologic mapping and research with the States began in 1899.

A Division of Alaskan Mineral Resources was established in 1903 and became an independent branch in 1922. The Land Classification Board was established in 1908 and became an independent branch in 1912.

In 1947 administrative oversight of the Library was transferred from the Office of the Chief Clerk to the Geologic Branch.

To handle increased administrative demands on the Chief Geologist and coordinate programs of the Division, the staff position of Executive Officer was established in 1947. In 1948 two Assistant Chief Geologists were appointed. In 1949 the Branch was renamed the Geologic Division and the Divisions were converted to Branches with subordinate sections. By 1953 many of the sections had been reorganized as branches. Several branches had been relocated to field offices, including the Engineering Geology and General Geology Branches in Denver, the Alaskan Geology Branch in San Francisco, and a small, but growing, branch of the Library in Denver.
Samuel F. Emmons joined the United States Geological Exploration of the Fortieth Parallel (“King Survey”) as a volunteer assistant geologist. When the USGS was created in 1879 Emmons was appointed one of the agency’s five principal geologists.

138. REGISTER OF LETTERS RECEIVED. July 16, 1879 - May 22, 1887. 2 in. 1 vol.

Arranged chronologically. There is an index at the beginning of the volume.

A register of letters received showing correspondent’s name, date of letter, date received, subject, and file number. The letters, which dealt primarily with administrative and support services, have not been found.

139. LETTERS RECEIVED. 1880-85. 3 in.


The letters concern geologic and topographic field work (a few letters constitute progress reports), publication of reports, compilation of statistical data concerning mineral resources for the Tenth Census, and assignment of personnel. Many of the letters in the miscellaneous file are from mining engineers, officials of mining companies, and academic geologists.

These letters are not entered in the register described in entry 138

140. LETTERS SENT. Sept. 1879 - Dec. 1887. 5 in. 2 vols.

The entries are arranged chronologically. Each volume contains a partial index.

Handwritten copies of outgoing letters signed by Samuel F. Emmons, Geologist in Charge, or Alfred M. Rogers, Disbursing Agent. The letters concern the geologic and topographic work of the Rocky Mountain Division. Many of the letters are scientific reports, narrative reports of monthly progress reports, or concern administrative matters.
Arnold Hague served as a salaried assistant geologist with the United States Geological Exploration of the Fortieth Parallel (“King Survey”). When the USGS was created in 1879, Hague was appointed one of the agency’s five principal geologists. In 1883 Hague headed a party, including geologist Walter Weed, physicist William Hallock, and chemist Frank Gooch, that mapped and studied the geologic structure, geysers, and hot springs of Yellowstone National Park and adjacent areas.

141. LETTERS RECEIVED. 1880-1916. 5 in.

Arranged in two groups: chiefly letters from the Director and Chief Clerk of the USGS, arranged chronologically (July 20, 1880 - February 26, 1906); and letters arranged alphabetically by correspondent's surname (1882-1916).

The first group also includes copies of letters from Hague to the Director of the USGS, and a letter from John W. Powell regarding the revision of regulations governing the publication of geologic-atlas sheets.

The second group consists of letters from (in most cases the files contain only one to a half-dozen items):

The letters primarily concern Yellowstone National Park, specifically topographic and geologic surveys, publications, analysis of waters from hot springs, and observations on eruptions of geysers. Included are letters from the Park Superintendent, Army officers posted at Yellowstone, USGS and academic geologists, Smithsonian Institution officials, and private persons commenting on articles about Yellowstone.

142. PRESS COPIES OF LETTERS SENT. 1881-1904. 16 in. 12 vols.

Arranged in two groups: eight volumes, dated 1881-93; and four volumes, dated 1887-1904. Most of the volumes contain partial indexes. The first volume contains a few letters dated 1886 and 1892.

Copies of typed and handwritten letters to USGS officials, members of professional societies, academic and foreign geologists, conservationists, publishers, Army engineers, Secretaries of the Interior, railroad company executives, mining engineers, members of Congress, and superintendents of Yellowstone Park. Included are reports on field work, information concerning publications, estimates of expenses, rock and mineral samples, legislation, status of Yellowstone Park, forest reserves, geologic nomenclature, and related matters. Many of the letters contain personal information about Hague but many of the handwritten letters are illegible.
For later letters, see entry 143.

143. **UNBOUND LETTERS SENT.** 1904-16. 1.5 in.

Arranged chronologically.

Typescript copies of letters sent by Hague to USGS officials, academic geologists, publishers, officials of the Smithsonian and others concerning publications about Yellowstone Park, proceedings of professional societies, and related matters. Earlier letters sent are described in entry 142.

144. **RECORDS CONCERNING NATIONAL FOREST POLICY.** 1890-97. 1 in.

Arranged in rough chronological order.

Correspondence, memorandums, reports, copies of legislative bills and congressional documents, and other records concerning management of the Nation's forest resources. Many of the records concern the work of a committee appointed by the National Academy of Sciences, as requested by the Secretary of the Interior on February 15, 1896, to consider and recommend a national-forest policy.

Arnold Hague served on the committee.

145. **BIOGRAPHICAL NOTES CONCERNING OTHNIEL CHARLES MARSH.** n.d. 1 in.

Arranged in two groups: handwritten notes and typewritten text.

Outlines, memorandums, and reminiscences concerning Marsh's life and career compiled for a biography, including a copy of an article published in the USGS's 21st Annual Report, pp. 189-204. There are notes on events in Marsh's life dating from the late 1860's. These records were found among Hague's official papers.

146. **WORKING PAPERS AND REFERENCE MATERIAL.** ca. 1883-1915, 1929. 3 ft.

Arranged by subject or type of record. See Appendix 7 in this inventory for a summary list of file contents. A detailed checklist of the series contents is with the records.

Handwritten and typed chapter drafts (by Hague and others), lists of rock and fossil specimens, abstracts of geologic field notebooks, illustrations, chapter outlines, correspondence, printed items, photographs, and other records gathered by Hague for use in compiling Parts I and II of U. S. Geological Survey Monograph 32, "Geology of Yellowstone National Park." Part II was published in 1899 as "Descriptive Geology, Petrography, and Paleontology," by Hague and six other authors. The series includes the nearly completed manuscript (22 of 23 chapters) for Part I, "General Geology," which was not published. The records concern geologic strata, hot springs and geysers, volcanic activity, plant life, geologic nomenclature, and related matters.

Also included are records concerning “The Geologic Atlas of the United States,” and geologic surveys in Cuba and Puerto Rico.
147. RECORDS RELATING TO YELLOWSTONE NATIONAL PARK AND OTHER MATTERS. 1883-1915.

Arranged chronologically.

Letters, memorandums, lecture notes, and other records concerning Yellowstone Park, the United States Geological Exploration of the Fortieth Parallel ("King Survey"), geographic names, James Bridger, and other matters.

148. ABSTRACTS FROM GEOLOGISTS FIELD NOTEBOOKS CONCERNING THE YELLOWSTONE REGION. 1883-97. 1.5 in.

Arranged in four intervals: 1883-89, 1884-91, 1893, and 1897, and thereunder by author or subject. The dates are those of the abstracted notebooks.

Typescript abstracts, including information on hot springs, geysers, glaciation, drainage, rock types, and climate. The region covered includes large areas outside the present-day boundaries of Yellowstone National Park.

Most of the original field notebooks and many related notebooks are part of the records described in entry 172. The abstracts are chiefly from notebooks 3832 through 3953.

149. METEOROLOGICAL DATA. 1885-89. 3 in.

Arranged in four sets: 1885-86, 1885-87, 1885-89, and 1888-89, and thereunder by location and date.

Temperature and barometric pressure observations taken by two Army surgeons posted at Camp Sheridan and three members of the USGS. Most of the data was collected at Mammoth Hot Springs. The records include an undated, unsigned report of precipitation and evaporation data recorded for areas in Yellowstone Park.

150. PUBLICATIONS. 1869-1912. 4 in.

Arranged by subject.

Chiefly published and reprinted monographs and articles by Hague and others concerning the exploration and geology of the Yellowstone area, annual reports of the Superintendent of Yellowstone National Park (1880, 1882-83, 1885-89, 1891-92, 1894-96, and 1903), and a tourist map of the Park based on explorations in 1882. Included is an offprint of an article titled "On the Discovery of Actual Glaciers in the Mountains of the Pacific Slope," by Clarence King, 1871, from The American Journal of Science and Arts. The dates given in the title line are publication dates.

151. PRESS COPIES OF LETTERS SENT CONCERNING DISBURSEMENTS. 1886-93. 2 in. 2 vols.

Arranged chronologically. Each volume has an index to surnames of addressees.

Letters and completed forms concerning expenses incurred by the field parties working in Yellowstone Park. The letters are signed by Hague, as Special Disbursing Agent. Most of Volume 2 was not used.
152. REFERENCE MAPS. 1867, ca. 1878-91, 1916. 76 items. [NWCS, maps and plans]

Included are triangulation maps, contour drawings, and sketches plotted and compiled by Henry Gannett in 1878 while he was with the “Hayden Survey”; General Land Office maps of Oregon, Washington, and Wyoming; maps showing geologic sections and strata; an undated blueprint map showing the layout of Fort Yellowstone; and undated drawings and maps of various geysers and basins.

The earliest item is a map, published in 1867, of the “Yellowstone and Missouri Rivers and their Tributaries “ as explored by Capt. William F. Raynolds in 1859-60. The map is color coded to show the approximate areas occupied by various indigenous Indian tribes, including the Sioux, Mountain Crows, Gros Ventres, [illegible], Mandan, Blackfoot, Blood, and River Crow. The 1916 item is a map of the glacier system of the Pacific Forestry Reserve.

153. ANNOTATED CONTOUR SHEETS. 1897. 4 items. [NWCS, maps and plans]

Annotated contour sheets, 2 each for the Crandall Creek and Ishawooa areas. Some of the annotations label topographic features and geologic strata. The name F[rankis]. P. King appears on the sheets.

154. YELLOWSTONE SURVEY TRACINGS. Oct. 19, 1885. 6 items. [NWCS, maps and plans]

Arranged by assigned number from 1 to 6. There is no number 5.

Tracings showing surveys of hotel sites at the Grand Canyon of Yellowstone Falls, Norris Geyser Basin, Upper Geyser Basin, and in the vicinity of Old Faithful Geyser. The tracings are signed “B. P. Tilden, Surveyor.”

155. ORIGINALS AND PROOFS OF A YELLOWSTONE FOLIO. ca. 1883-85. 48 items. [NWCS, maps and plans]

A bundle of materials consisting chiefly of parts of topographic-quadrangle maps (some are annotated); contour drawings; geologic maps; blueprint maps showing areas in and adjacent to Yellowstone National Park; caption lists; a narrative introduction; and a columnar sheet listing geysers, springs, rivers, and other water-sample collection points, giving the date of sample collection, temperature, the results of various chemical analysis, and remarks. Entries on the columnar sheet are dated 1883-85. The remainder of the records in this series are undated.

156. TRACINGS OF RIVER CHANNELS IN YELLOWSTONE NATIONAL PARK. ca. 1884. 7 items. [NWCS, maps and plans]

Cross-section and profile tracings of river and creek channels in Yellowstone National Park. Numbers assigned to streams on the tracings correspond to numbers on a rough drawn map of the waterways in the Park. A note states that these tracings were done by [William] Hallock.

157. REFERENCE FILE OF WILLIAM HENRY WEED. ca. 1878-83. 17 items. [NWCS, maps and plans]

The series consists of topographic and geologic maps and drawings used by William H. Weed as part of his work in Yellowstone National Park under Arnold Hague. Included are maps of Mammoth Hot Springs, Upper Geyser Basin, and other areas in Yellowstone National Park compiled by Henry Gannett when he was with the “Hayden Survey” and later when he served as Chief Geographer of the USGS; and an undated geologic map of the Upper Geyser Basin that is annotated “topography by Anton Karl, sketched by Joseph Bien, geology by Arnold Hague and William Henry Weed.”
158. INDEX TO THE GENERAL CORRESPONDENCE FILES (OF THE GEOLOGIC DIVISION). 1899-1915.
3 in.

Arranged alphabetically by subject. Entries for individual documents are arranged chronologically or by subject.

An incomplete index on 5 in. x 8 in. cards to the records described in entry 159. In addition to a file number, the entries include the date, author, and (or) subject of each document. There are no entries for individuals. There are entries for government agencies. Most of the entries date from 1902. There are cross references to a small card index which is not among the records in the National Archives. Some documents indexed in this series were not found in the records described in entry 159.

159. GENERAL CORRESPONDENCE FILES. 1890-1922. 18 ft.

The files are arranged by subject or surname of individual and arranged numerically. The contents of the files are in rough chronological order. Frequent gaps occur in the numbers. Most of the records are dated 1902-15. A partial index to these files is described in entry 158. A file title list appears as Appendix 8 in this inventory.

Includes correspondence, reports on projects and field work (many in the form of letters and memorandums); agreements between the USGS and State agencies; circulars, orders, and other administrative issuances; justifications for field work in certain regions and preparation of maps; minutes of meetings; legislative bills and congressional documents; lists of employees; newspaper clippings; annotated maps; drafts of research papers, field notes of mineral surveys; photographs; and faunal charts.

The records concern cooperation with State geological surveys; coordination of projects with other Federal agencies; USGS representation at international mapping conferences; contracts with private and academic geologists to conduct field work and compile map folios; composition and work of USGS geologic field parties; qualifications, examinations, appointments, salaries, and other personnel matters; administrative procedures; budgets and appropriations; printing and distribution of maps; expositions; topographic surveys; collection of rock specimens and fossils; geologic nomenclature; petrography, paleontology, seismology, and other geologic specialties; classification of coal and asphalt lands; examination of mining claims in forest reserves; chemical analyses; and appearances of USGS geologists as expert witnesses on behalf of the Justice Department in litigation involving mineral lands.

160. GENERAL CORRESPONDENCE FILES. 1899-1952. 75 ft.

Arranged according to a decimal classification scheme, and thereunder chronologically. A few subject classes are subdivided further by subject or by surname of correspondent. A file title list appears as Appendix 9 in this inventory.

Correspondence, memorandums, USGS and Departmental orders, periodic progress reports from Division units, annotated maps, minutes of meetings, cooperative agreements with States, justifications, estimates of expenses, financial statements and other fiscal records, lists of employees, printed and processed articles and monographs, core-sample analyses, lists of rock specimens transferred to the National Museum of Natural History, and geologic reports on strategic-mineral resources, dam and reservoir sites, and other subjects.
The records concern cooperation with State governments and Federal agencies; participation on interdepartmental committees and commissions; war-minerals investigations (World War I); appointments, assignments, and other personnel matters; administration and organization of the Geologic Division; oil, oil shale, and gas investigations; publication and distribution of maps, professional societies; metal, nonmetal, and fertilizer-resource surveys; glacial drift; and earthquakes, volcanoes, and other topics of geologic investigations.

Records dating from 1899 are in File 220, Plans, Estimates, and Allotments; records dating from 1910 are in File 321, Manuscripts submitted for Geological Survey Publications; records dating from 1911 are in File 410.4, Forest Service; and records dating from 1905 are in File 500, Cooperation with State Governments. Most of the records date from 1916.

161. RECORDS CONCERNING OTHNIEL CHARLES MARSH. 1885-99. 0.75 in.
   Arranged chronologically.
   Letters received, copies of letters sent, memorandums, essays, copies of journal articles, and newspaper clippings. The records concern the importance of paleontology as a research tool in conducting geologic surveys, Marsh's field work for the USGS as its vertebrate paleontologist from 1882, and the controversy surrounding Marsh's decision to retain fossils collected by him and his assistants during USGS-funded field work.

162. DATA COLLECTED BY COLLIER COBB CONCERNING SWAMPLAND, TIMBER, AND DRAINAGE. 1887. 1 in.
   Arranged by State: Florida, Georgia, North Carolina, and South Carolina.
   Replies to Cobb's questionnaire that requested data on swampland area, prevailing timber, and effect of drainage on health in the respondent's county. Some of the replies include data, others refer Cobb to more knowledgeable individuals. These records, donated by the Harvard University Archives, were compiled by Cobb while he was an undergraduate at Harvard. He was also a part-time assistant to Nathaniel S. Shaler, a Harvard professor and part-time geologist with the USGS.

163. MONTHLY WORK REPORTS. 1901-48. 30 ft.
   Arranged alphabetically by surname as follows: 1901-20, A to R; 1914-23, L to Y; 1923-28, R to W; 1931-33 L to W; 1934-48, C and D; 1901-48, R to Z; 1916-48, A to Z; 1931-51, D to Y; 1955-56, A to Z; and 1952-58, A to Z.
   Cards (5 in. x 8 in.) completed by geologists, assistant geologists, paleontologists, chemists, special agents and others, to describe duties and percentages of time spent on each. Some reports of field personnel include a diagram, with latitude and longitude, that show the portion of the quadrangle surveyed. Later cards sometimes include project title or number.

164. RECORDS CONCERNING DIVISION EMPLOYEES. 1930-53. 24 ft.
   Arranged alphabetically by surname. A list of the names appears as Appendix 10 in this inventory.
The records include correspondence, memorandums, reports, administrative issuances, draft manuscripts, cooperative agreements, copies of articles, press releases, transcripts of meetings, list of metallurgical samples, completed “Agreement for Mineral Exploration and Development” forms, handwritten notes, vouchers, telegrams, newspapers clippings, job applications, organization charts, and plats.

The records contain information about many of the research programs administered by the Geologic Division and offer substantive insight into the planning, staffing, administration, and progress of field projects. Projects discussed in these files include investigations of mines and ore-bearing strata, ore milling and production, deposits and reserves of strategic minerals (Page and Peoples files), thermal waters and hot springs, tectonics, analyses of mineral specimens, commodity resource studies, mineral-resource appraisal and exploration, and establishment of a national minerals policy (Lasky file).

The records also concern administrative matters such as field organization, field conferences, personnel appointments and assignments, publication of professional papers, appropriations, and cooperation with other Federal agencies, especially the Bureau of Mines, Atomic Energy Commission, Defense Minerals Administration, and National Park Service, State agencies, academic institutions, mining companies, and other private enterprises.

Most of the records date from 1940.

165. DIVISION “PERSONNEL” FILES. ca. 1946-55. 10 in

Arranged alphabetically by name of employee.

Contents of the files vary. Included are correspondence, memorandums, telegrams, service-record cards, efficiency ratings, completed job-application forms, position descriptions, clippings of newspaper obituaries, letters of recommendation for awards. There are files for geologists and administrative staff. Screened files can be made available to researchers.

The files were maintained by the Geologic Division and are not official personnel files.

166. RECORDS CONCERNING ORGANIZATION, MANAGEMENT, AND PROGRAMS. 1947-54. 2.5 ft.

Arranged alphabetically by organizational unit, program area, or other subject, and thereunder chronologically. Included are a few items dating from 1943.

Primarily correspondence and memorandums, but also includes Survey Orders and other administrative issuances, budget estimates and justifications, program plans and proposals, progress and other narrative reports, minutes of meetings, press releases, staff-function charts, processed reports and reprinted articles, drafts of scientific monographs, photographs, and maps.

The records concern the organization and functions of units in the Division, planning and coordination of projects, 10-year plans, status of mapping programs, and cooperation with States and other Federal agencies.

167. REPORTS AND OTHER RECORDS CONCERNING DIVISION PROGRAMS. 1945-69. 10 ft.

Arranged by subject.
Chiefly periodic reports, but also includes budget summaries, estimates, allotments and other fiscal records, summaries and minutes of meetings, correspondence, memorandums, project abstracts, organization plans, and copies of legislation concerning the allocation and administrative of Geologic Division personnel and financial resources. Also includes records concerning regional and interagency programs, cooperation with field and staff committees, and ongoing review and appraisal of Division programs.

168. PROJECT FILES. ca. 1948-70. 27 ft.

Arranged numerically. Most of the numbers up to 1256 are preceded by two letters identifying the divisional unit that administered the project. Many numbers are missing. Records concerning unnumbered projects are in the last box.

Documents typically found in each file include forms showing project description, project status, allotments of funds, project summary, and work plans. Memorandums and maps also form a part of some files. Some of the projects concern the development of new research techniques and equipment, but most concern domestic and international field work in areas such as geologic mapping; terrain-intelligence studies; oil, oil shale, and gas investigations; mineral-resource studies; compilation of permafrost and landslide data; aeromagnetic studies; and radioactive-waste disposal. Annotations on file labels show that a few projects were begun before 1900. Some of the projects were undertaken in cooperation with Federal and State agencies.

169. RECORDS RELATING TO COOPERATION WITH THE DEPARTMENTAL COMMITTEE ON ECONOMY AND EFFICIENCY. 1910-11. 1 in.

Unarranged.

Completed questionnaires, correspondence, memorandums, lists of employees, printed circulars, and other records concerning the organization and management of the Division in 1910. The Departmental Committee was the channel through which directives and reports flowed between Interior Department components and the President's Commission on Economy and Efficiency.

170. RECORDS CONCERNING DIVISIONAL REPRESENTATION ON COMMITTEES. 1949. 5 in.

Arranged by committee, and thereunder chronologically.

Chiefly minutes of meetings, but also includes reports, work program plans, and correspondence concerning interagency river-basin committees, departmental field committees, and the USGS' coordination committee.

171. ALLOTMENT LEDGERS. 1902-10, 1913-19. 5 ft. 21 vols.

Arranged by fiscal year, some years are in more than one volume, thereunder by allottee or account, and thereunder chronologically. The first volume has an alphabetical index. In the remaining volumes, the allotment accounts are arranged in rough alphabetical order.

A typical entry shows the allotment granted at the beginning of the fiscal year, the name or title of the allottee, the date and description of the expenditure, a voucher number, and a running balance. The expenditures included salaries, and office and field expenses.
172. GEOLOGISTS’ FIELD NOTEBOOKS AND RELATED RECORDS. 1867-1939. 1032 volumes and unbound records. 27 ft.

Arranged by assigned number (frequently notebooks by one geologist or for a geographical area have consecutive numbers), and thereunder, within each notebook, by date of entry, subject, type of data, or location. Some notebooks contain an index to their contents. Some numbers between 3483 to 3565 were assigned twice.

The unbound records are in envelopes or bundles and also have assigned numbers. A numerical list of the contents of this series appears as Appendix 11 in this inventory.

The field notebooks mostly contain observations on the geology of areas defined by geographical, geological, statutory (i.e., Yellowstone National Park), or other criteria. The notebooks include narrative entries on stratigraphic units and geologic structures, cross-sections and other sketches, maps of mine shafts and tunnels, lists of rock samples, chemical analyses of minerals, mine-production statistics, computations for dams and reservoirs, triangulation and angle-traverse data, and related information. Some notebooks contain mounted typescript notes, newspaper clippings, and printed materials.

The unbound records include correspondence, drafts of papers, photographs, sketches, maps (including annotated topographic maps), and (on note cards) bibliographies, geologic notes, and indexes (usually to field notebooks).

Many notebooks contain information on several geologic and geographic regions. Most of the notebooks were compiled in the Western United States, especially in the Bisbee (Arizona), Black Hills (South Dakota), Butte (Montana), Coeur d’Alene (Idaho), Globe (Arizona), Goldfield (Nevada), Leadville (Colorado), Mercur (Utah), and Tintic (Utah) mining districts. A few notebooks contain information on areas in the Eastern United States. Some of the notebooks were compiled during visits to Canada, Central and South America, and Europe.

Included are notebooks that predate the founding of USGS in 1879. Some of the geologists served with the direct predecessor surveys and with State geological surveys. There are a few notebooks compiled by hydrologists concerning probable locations for dams and reservoirs.

More than 20,000 additional USGS field notebooks are in the Field Records Library, Special Collections, USGS Library, Denver, Colorado, where they support the agency’s work-in-progress. Microfiche copies of some of the field notebooks in the Field Records Library are described in entry 173.

173. MICROFICHE COPIES OF GEOLOGISTS’ FIELD NOTEBOOKS. 1871-1969. 3 ft.

Arranged in two collections by assigned number. The first series of numbers were assigned to notebooks accessioned by the USGS Library up to 1953 when a new series of numbers was begun. The second collection is differentiated by the notation “No.” before each number. Often notebooks compiled by one individual or concerning one geographic area or project carry sequential numbers. Some notebooks contain an index to their contents. A list of the microfiche copies appears as Appendix 12 in this inventory. These copies are on negative diazo fiche.

The notebooks contain notes and narrative observations on geologic strata (often identified by quadrangle, atlas sheet, or geographic region), including correlations, profiles, and vertical-angle traverse measurements, topographic features, coal, petroleum, phosphate, iron, and other mineral deposits, mineral-land classification, well logs, and mining operations, including copies of data from mining company records, and sketches of mine workings.

Also included are itineraries, transmittal letters, memorandums, drafts of professional papers, lecture notes, lists (of rock specimens, thin sections, and photographs), newspaper clippings, index cards, notes taken from geological literature, and reports compiled by chemists and engineers.
There are sets of notebooks concerning geographic areas such as the goldbelt regions in California and Eastern Oregon, the Fort Peck Indian Reservation, coal fields in Montana, brown-iron areas in east Texas, mineral fuels in Colorado, Utah and Wyoming, and oil and gas fields in Oklahoma, Kansas, Colorado, and Kansas, and special projects such as railway guidebooks, the Black Hills Rim Project, and a study of the ecological features of the Sagadahoe Bay tidal flat (Maine). There are also notes concerning observations in British Columbia, Mexico, Cuba, Haiti, and Paraguay. The notebooks that predate the establishment of the USGS were compiled by geologists associated with the direct predecessor surveys.

The original notebooks are in the custody of the USGS Field Records Library in Denver, Colorado. The microfiche copies do not duplicate the original notebooks described in entry 172. Some notebook contents are typed. Many of the fiche are illegible and as a result compiler and content information on some of the fiche labels could not be verified by an examination of the fiche contents.
USGS Director Charles D. Walcott established a Committee on Geologic Names on February 17, 1899, “to consider all names of geologic formations or other divisions of rock classification with a view to determining whether they comply with the rules of nomenclature adopted for the Survey publications and to recommend such action as may be advisable in any individual case to secure unity of nomenclature under the rules.” Walcott selected Fred B. Weeks as the committee’s chairman; Weeks reported to Bailey Willis, the Assistant in Geology to the Director. Willis led the committee during 1901-3; he and subsequent chairpersons reported to the Chief Geologist. As its initial work, the committee compiled and published in 1902 (USGS Bulletin 191) a bibliographic, synonomic, and distributional list of North American geologic formations, a project begun by the “Hayden Survey” and continued intermittently by the USGS after 1879. This compilation led to the multivolume *Lexicon of Geologic Names of the United States*. As the Geologic Names Committee monitored and standardized geologic names and usage, it also acted as a forum for discussion and its members served on national and international committees responsible for the review of codes of stratigraphic nomenclature. The three regional review-staff offices established in 1961 became Geologic Names Subcommittees in 1995; their chairpersons now form the USGS-wide Geologic Names Committee, led by the agency’s Chief Paleontologist.

174. MINUTES OF MEETINGS OF THE GEOLOGIC NAMES COMMITTEE. 1899-1969. 8 ft. 16 vols. and unbound records

   Arranged chronologically.

   The folder in the first box contains letters to the Director from the Committee on Geologic Names, 1899-1900, concerning recommendations on geologic terminology. The 16 volumes contain only minutes of meetings and memorandums, 1901-31. The remaining records are chiefly minutes of meetings but also include correspondence, memorandums, handwritten notes, stratigraphic correlation charts, and related documents. Some minutes are accompanied by sound recordings (on flexible disks).

   The meetings concern the approval or disapproval of geologic names used in USGS publications. The USGS was concerned with ensuring that staff members used terminology that was in conformance with the Code of Stratigraphic Nomenclature adopted in 1933 and subsequently revised in 1961.

   The minutes dated 1940-42 (box 11) deal solely with the classification of Carboniferous and Permian rocks.

175. STRATIGRAPHIC SUMMARIES OF GEOLOGIC LITERATURE. n.d. 8 ft.

   Arranged alphabetically by State, and thereunder numerically by geographic area. For most States, a map is included whose areas are numbered to correspond to the summaries.

   The summaries, on 4 in. x 6 in. cards, include the title of the paper, publication or other source, name of the author, date of publication, and information concerning the geologic names listed. Maps, geologic tables, and correspondence are interspersed among the cards. The summaries, dating from 1894 to 1937 (a few extend to 1940), were abstracted by M. Grace Wilmarth, Secretary of the Committee on Geologic Names, in connection with the compilation of USGS Bulletin 896, “Lexicon of the Geologic Names of the United States (including Alaska),” published in 1938.
176. STRATIGRAPHIC SUMMARY OF "OUTSIDE" GEOLOGIC PUBLICATIONS. n.d. 16 ft.

Arranged alphabetically by State, Territory, or country, and thereunder chronologically by date of publication, from 1821 to 1937.

The summaries, on 6 in. x 8 in. cards, include the title of the publication, author, date, volume and page numbers, and the names of geologic units—with a description of their characteristics. The summaries also contain geologic tables and correlation charts. A few oversize maps and tables are included. The summaries are from USGS Bulletins, Professional Papers, and other publications, State geologic literature, and professional and scientific journals. These summaries were used in compiling correlation charts.

177. TENTATIVE CORRELATION CHARTS. ca. 1925-36. 121 items. [NWCS, maps and plans]

Chiefly handwritten tentative correlation charts of named geologic units and formations, compiled by M. Grace Wilmarth, Secretary of the Committee on Geologic Names. Also included is a printed chart titled "Stratigraphic position of the named subdivision of the Keweenawan Series of Michigan (June 1, 1929)."
In 1917 the USGS received a letter from the Department of State requesting an investigation of the mineral resources of Haiti, in accordance with the Treaty of September 16, 1915, between the United States and Haiti. The treaty stated that the United States would aid in the development of the agricultural industries and mineral resources of the Haitian Republic.

In 1917 the USGS also received a request from the head of the military government of the Dominican Republic soliciting the agency’s help in surveying the country’s topography, geology, and natural resources. The USGS in extending its search for war minerals to the Caribbean and Latin America in 1918, had sent geologist Henry G. Ferguson to the Dominican Republic. During the next spring USGS topographer Glenn L. Smith and USGS geologist T. Wayland Vaughan visited the Dominican Republic and Haiti to plan the surveys, to be made in cooperation with the Smithsonian Institution, Carnegie Institution, and the New York Botanical Garden. On July 1, 1919, the USGS Topographic Branch established a Division of West Indian Surveys, led by Smith, to organize, coordinate, and direct the work to 1923. Geologic Branch geologists were furloughed from the Section of Coastal Plain Investigations to conduct the geologic surveys in both countries. In Haiti USGS topographers, also furloughed from the agency, experimented with mapping from aerial photographs.

Records of the topographic portion of these USGS surveys of the Dominican Republic have been published as part of NARA Microfilm Publication T282, “Geological Survey and Marine Corps Surveys and Maps of the Dominican Republic, 1919-1923.”

178. RECORDS RELATING TO A GEOLOGIC SURVEY OF THE DOMINICAN REPUBLIC. 1917-23. 2 in.

Arranged by subject.

Correspondence, reports, summaries of surface-water and rock-sample analyses, copies of mining laws and regulations, handwritten notes, maps, and other records concerning geologic and topographic surveys done by USGS geologists at the request of the Military Government. The principal geologist was Henry G. Ferguson. Some of the preliminary field work was done by T. Wayland Vaughan, Chief of the Section of Coastal Plain Investigations. Included is information on fossil deposits, petroleum reserves, and mineral resources.

179. RECORDS CONCERNING A GEOLOGICAL SURVEY OF HAITI. 1917-25. 5 in.

Arranged by subject.

Correspondence, reports, copies of mining laws, forms for water-sample and rock-specimen analyses, other records concerning organization and management of the survey project, appointments, accounts, and expenditures, and publication of the final report. A few of the items are in French. The survey was planned and led principally by Wendell P. Woodring, appointed Geologist in Charge.
180. GEOLOGIC MAP OF THE UNITED STATES. 1932. 11 items. [NWCS, maps and plans]

A printed, color coded map, at 1:2,500,000, compiled by George W. Stose. The map is in sections with an appropriate legend for each section.

181. MAPS OF NORTH AMERICA AND THE UNITED STATES. 1893-1976. 7 items. [NWCS, maps and plans]


182. GEOLOGIC QUADRANGLE MAPS. 1939-96. approx. 1840 items. [NWCS, maps and plans]

Arranged numerically.

The maps are numbered from GQ-1 to GQ-1778. Most of the maps are folded.

183. GEOLOGIC MAP INDEXES. 1945-74, 1985, 1991. 150 items. [NWCS, maps and plans]

Arranged alphabetically by State.

Included is a computer-derived index to geologic maps of North Dakota (1985). Some are bound booklets.

184. STATE GEOLOGIC MAPS. 1872, 1909-92. 127 items. [NWCS, maps and plans]

Arranged alphabetically by State.

In addition to geologic strata some of the maps also show the locations of oil, gas, and coal deposits. The 1872 map is a “Preliminary Geological Map of Minnesota” by Newton H. Winchell, State Geologist.

185. COUNTY GEOLOGIC MAPS. 1900-1960. 20 items. [NWCS, maps and plans]

Maps for counties in Arizona (1957-60), California (1947, 1958), Hawaii (1938), Kentucky (1919, 1938), and Maryland (1900, 1902, 1911). The maps were compiled by State agencies with cooperation from the USGS.

186. LOCAL AREA SPECIAL PUBLISHED GEOLOGIC MAPS. ca. 1912-71. 39 items. [NWCS, maps and plans]

Arranged alphabetically by State.
Some of the maps are accompanied by geologic charts.

187. FOREIGN GEOLOGIC MAPS. 1872, 1944-74. 39 items. [NWCS, maps and plans]

Alphabetically by county or other location as follows - Antarctica (published in New Zealand) 1963; Brazil, 1944; Costa Rica, 1962; Cuba, 1947, 1954; Ethiopia, 1970; Guatemala, 1967; Malaya, 1948-66; Mexico, n.d.; New Zealand, 1963; Santo Domingo (copy of an 1872 map); Scotland, 1971, 1974; Sudan, 1958; Tanzania, 1974; Trinidad, 1947-61; Tunisia, n.d.; and Venezuela, 1950.

188. MAPS BY STATE AGENCIES. ca. 1910-77. 29 items. [NWCS, maps and plans]

Arranged alphabetically by State.

Geologic maps and correlation sections compiled by State geologic, mining, and other agencies.

189. MAPS BY THE GEOLOGICAL SOCIETY OF AMERICA. ca. 1953-65. 12 items. [NWCS, maps and plans]

The series consists of a tectonic map of the Alaska Peninsula, at 1:1,000,000 (GSA Memoir No. 99), geologic maps of the Alaska Peninsula, at 1:250,000 (GSA Memoir No. 99), a geologic map of the Beartooth Mountains in Montana and Wyoming, at 1:126,720 (GSA Bulletin, Volume 72), and geologic maps of areas in California, at 1:62,500 (GSA Memoir No. 35).

190. MINERAL INVESTIGATION RESOURCE MAPS. 1949-92. approx. 115 items. [NWCS, maps and plans]

A set of general maps (1949-53) followed by numbered maps from MR-1 to MR-96 (1952-71)

Geologic maps showing geologic strata, sedimentary formations, and other geologic features. Most of the maps are folded. An unnumbered “general resource map,” published in 1942 and reprinted in 1959, is at the end of the series with the folded materials.

191. MAPS SHOWING LOCATIONS OF FIELD PROJECTS. 1949-64. 4 items. [NWCS, maps and plans]

Maps showing the locations of geologic field projects in Alaska (1964) and the United States (1949, 1952). The latter maps have insets for Alaska, Hawaii, the Canal Zone, Puerto Rico, and the Virgin Islands.

192. MISCELLANEOUS INVESTIGATIONS SERIES MAPS. 1954-97. 11 vols. and approx. 3240 items. [NWCS, maps and plans]

Atlantic Continental Margin.” The map series was titled ‘Miscellaneous Geologic Investigation’ until 1974 when the series title was changed to ‘Miscellaneous Investigations.’ Most of the unbound maps are folded.

193. MAPS SHOWING THE STATUS OF GEOLOGIC MAPPING. 1951-55. 7 items. [NWCS, maps and plans]

Maps showing the status of geologic mapping in Alaska (1953, 1954, 1955), and the United States (1951, 1955). The United States maps have insets for Alaska, Hawaii, the Canal Zone, Puerto Rico, and the Virgin Islands. This series also includes a map showing “completed, current and proposed geologic mapping program - Navajo-Hopi Indian Reservations,” dated December 1, 1953.

194. MISCELLANEOUS FIELD STUDIES MAPS. 1951-96. approx. 1100 items. [NWCS, maps and plans]

The maps, which show mineral deposits and geologic sections, are numbered from MF-2 to MF-2355. This map series was titled “Mineral Investigations Field Studies Maps” until 1973 when the title was changed to “Miscellaneous Field Studies Maps.” Most of the maps are folded.

195. GEOLOGIC AND GEOGRAPHIC MAPS. 1968-81. 5 items. [NWCS, maps and plans]


196. GEOLOGIC MAPS OF ANTARCTICA. 1973-89. 7 items. [NWCS, maps and plans]

These published maps, numbered from A-2 to A-14, were compiled in cooperation with the U. S. Antarctic Research Program. One of the items is a geologic map of Antarctica showing the Pensacola and Thiel Mountains (Folio 12, Geology, Antarctic Map Folio Series) published by the American Geographical Society in 1969.

197. GEOLOGIC MAP OF THE EAST HALF OF THE UNITED STATES. 1974. 2 items. [NWCS, maps and plans]

The map’s scale is 1:2,500,000. The legend is on a separate sheet. The explanatory text that accompanied the map was published as USGS Professional Paper 901, “Explanatory Text to Accompany the Geologic Map of the United States” (by Philip B. King and Helen M. Beikman, 1974). The map is oversized. The map and text were reissued on CD-ROM as USGS Digital Data Series DDS-11 (by Paul G. Schruben, Raymond E. Arndt, and Walter J. Bawiec; software display by Russell A. Ambroziak, 1994).

198. MAPS OF THE CIRCUM-PACIFIC REGION. 1990-96. 8 items. [NWCS, maps and plans]

The maps, numbered from CP35 to CP44, were prepared as part of the Circum-Pacific Map Project, an activity of the Circum-Pacific Council for Energy and Mineral Resources.
199. HYDROGEOLOGIC MAP. 1991. 2 items. [NWCS, maps and plans]

Two copies of a map titled “Geothermal Resources of Montana,” at 1:1,000,000, showing locations of thermal springs and thermal wells. The map is designated HM-4.

200. GEOLOGIC MAP OF ARKANSAS. 1993. 1 item. [NWCS, maps and plans]

An oversized map at 1:500,000.

201. A MAP TITLED “THIS DYNAMIC PLANET: WORLD MAP OF VOLCANOS, EARTHQUAKES, IMPACT CRATERS, AND PLATE TECTONICS.” 1994. 2 items. [NWCS, maps and plans]

The map scale is 1:30,000,000 at the equator. The map is oversized.


The map, at 1:1,000,000, shows the northeastern States, the Great Lakes, parts of Southern Ontario, and the Atlantic Offshore Area.

203. GLORIA IMAGERY AND DATA FILES. n.d. 3 compact disks. [NWCS, maps and plans]

The compact disks are titled: “GLORIA Imagery and Bathymetry from the U.S. EEZ [Exclusive Economic Zone] off Washington, Oregon, and California”; “Gloria, East Coast, Disk A (Image Maps)”; and “Gloria, East Coast, Disk B (Data Files).” GLORIA is the acronym for Geological LOng-Range Inclined Asdic.
204. PHOTOGRAPHIC PRINTS DEPICTING GEOLOGICAL FORMATIONS AND FEATURES. ca. 1893-1906. 111 albums. 13 ft.

Arranged in alphabetical order by geologic feature or subject category. Each photograph is captioned and includes the surname of the photographer. Many of the photographs are dated. Albums 6 and 7 are bound together. A list of the features and subjects appears as Appendix 13 in this inventory. This is series SA (NWCS, still pictures).

Black and white photographs taken by geologists and other USGS personnel during field surveys. The geologic features shown in the photographs include anticlines and synclines, caves and caverns, craters, deltas, fault-zone structures, flood plains, glacial drainage and valleys, lava flows, oil fields, mountain peaks, potholes, quarries, rivers, shore topography, springs, terraces, volcanic features, and waterfalls.

Subjects include the Grand Canyon, Niagara Falls and Yellowstone Falls, mines and mining activities in the United States and foreign countries, views of fault lines and damaged buildings after the 1906 San Francisco earthquake, and oil fields in California.

Collateral subjects in a few of the photographs include street scenes and panoramic views of towns.
Investigations in paleontology have been an integral part of USGS missions since the establishment of the agency, whose organic law specified “reports upon general and economic geology and paleontology.” The statute also required the USGS to deposit its fossils and other scientific collections in the National Museum when the specimens were “no longer needed for work in progress.” Some of the early work by USGS paleontologists of identifying and correlating fossils to aid stratigraphic studies and geologic mapping continued investigations begun by the direct predecessor surveys. By the mid-1880's the USGS geologic unit contained five small-sized paleontologic divisions: vertebrates, Paleozoic invertebrates, Mesozoic invertebrates, Cenozoic invertebrates, paleobotany, and fossil insects. By 1894 these units had been replaced by a combined Division of Paleontology, which was retained during the reorganization of the Geologic Branch in 1900 and restyled a section in the Branch’s Geology and Paleontology Division in 1902. In 1907 the Section was renamed Paleontology and Stratigraphy. During the reorganization of the Geologic Branch in 1944, the Section became part of the new Division of Areal Geology and Basic Sciences. When the Geologic Branch became a Division in 1949, the Section was restyled the Branch of Paleontology and Stratigraphy and continued operations under that name until all of the Geologic Division’s branches were disestablished during the reorganization in 1995.

205. OFFICE FILES OF EDWARD OSCAR ULRICH. 1897-1939. 3 ft.


Primarily correspondence, but also includes memorandums, drafts of professional papers, minutes of meetings, drill-core logs, newspaper clippings, tables of geologic formations and tentative correlations of geologic formations, sketches of mine shafts, annotated geologic maps, photographs, a glass slide, and a glass vial containing a rock specimen.

The records concern investigations of lower Paleozoic formations by the USGS, State, and academic geologists, and critical analyses of their conclusions, to establish uniformity in stratigraphic classifications and nomenclature.

Ulrich was an Associate in Paleontology at the National Museum, 1914-44.
206. MANUSCRIPT REPORTS AND OTHER RECORDS RELATING TO GEOLOGIC INVESTIGATIONS. ca. 1904-52. 6 ft.

Arranged by subject or type of record.

Chiefly typed and handwritten manuscript reports, some accompanied by annotated topographic and geologic maps, but also including faunal and specimen lists, work reports, notes on field trips, and administrative issuances. Some of the records concern bauxite, zinc, and other strategic-minerals investigations.

207. RECORDS CONCERNING THE [CHRONOSTRATIGRAPHIC] OZARKIAN SYSTEM. ca. 1916-42. 2.5 ft.

Arranged by subject or type of record.

Chiefly copies of manuscripts, mostly by Edward O. Ulrich, Josiah Bridge, Charles L. Dake, and illustrations of tribolites. Also included is correspondence, handwritten notes, logs of test-well drillings, tables showing correlations of "Ozarkian" faunal zones, annotated geologic maps, and copies of Josiah Bridge's masters' thesis, "The Middle Ordovician Section in East Central Missouri," of 1922, his doctoral dissertation, "The Geology of the Eminence Region," of 1929, and a typewritten set of lectures by Thomas C. Chamberlain "Principles and Theories of Geology" course 60, 1916-17. The field investigations to "establish" the "Ozarkian System" were conducted primarily in Oklahoma and Missouri.

208. FIELD NOTEBOOKS. 1920, 1929-49. 2 ft. 25 vols. and unbound papers.

Arranged in rough order by geographic location.

Handwritten notes and sketches, usually daily, of field investigations in paleontology and stratigraphy, and transcribed drill-test logs and notes from other geological sources. Some notebooks also contain attached photographs and annotated geologic maps. Other notebooks contain inserted loose items, such as letters, note cards, and maps. Many of the notebooks, including the two labeled "1920 Ventura, Colo.," appear to have been compiled by Josiah Bridge.

209. OFFICE FILES OF JOSIAH BRIDGE. 1922-53. 4 ft.

Arranged in rough alphabetical order by surname of correspondent or subject. Most of the records date from 1930. A list of file title headings appears as Appendix 14 in this inventory.

Includes correspondence, drafts and critiques of professional papers, reports on field work, stratigraphic charts, lists of fossils from well cuttings, lists of specimens, newspaper clippings, catalogues, book lists, lecture and conference papers, Survey Orders and other administrative issuances, maps and sketches, and photographs. The records concern bauxite surveys, cooperation with State geologists and oil companies, and professional review of the analyses and correlation of stratigraphic units.

210. FIELD NOTES OF CHARLES LAWRENCE DAKE. 1930-31. 4 in. 2 vols.

The contents are arranged chronologically.
A bound typewritten compilation of "Field Notes on Studies of the Southwest Cambrian and Ordovician." A few sketch maps and fossil drawings are included. The second volume contains excerpts from the first.

211. **CHRONOLOGICAL FILE CONCERNING THE 1944 EDITION OF A TECTONIC MAP OF THE UNITED STATES.** 1934-46. 3 in.

Arranged chronologically.

Chiefly correspondence, but also includes memorandums, sketches of map symbols, and annotated maps. The tectonic map was prepared under the direction of the Committee of Tectonics, Division of Geology and Geography, of the National Research Council, and published by the American Association of Petroleum Geologists. The Chairman of the Committee was Chester R. Longwell of Yale University. The USGS representative (member) was Philip B. King.


Half of the records are arranged alphabetically by surname of addressee; the remainder are arranged in rough chronological order.

Correspondence, memorandums, progress reports, summaries of meetings, annotated maps, and press releases. Includes a few references to a proposed Tectonic Map of the World. The 1962 map, a revision of the tectonic map issued in 1944, was compiled and published cooperatively by the USGS and the Tectonic Map Committee of the American Association of Petroleum Geologists.


Arranged chronologically.

Typescript and processed reports of branch programs. Some working papers are interspersed through the file.

214. **STAFF MEMBERS MONTHLY ACTIVITY REPORTS.** 1950-52. 4 in.

Arranged alphabetically by name of staff member.

Completed forms with blocks for group or project number (later forms request the operating unit in this space), number of days on duty, approximate time at various activities, reports on referred collections, status of current reports, and summary of activities. The report sets are not complete for each staff member.

215. **TABLES OF HISTORICAL GEOLOGY.** n.d. 7 items. [NWCS, maps and plans]

The tables concern the following areas - Northern Rocky Mountains and Plains, Southern Midcontinent Region, Appalachian Basin, Southwestern United States, and North Central Region. All the tables bear the handwritten note "preliminary."
An act of March 2, 1895 (28 Stat. L., 939), appropriated funds specifically for “an investigation of the coal and gold resources in Alaska” by the USGS. Since 1889 Survey staff members had accompanied Coast and Geodetic, War Department, and privately sponsored expeditions to Alaska and gathered information about its geography and resources. Later acts of Congress increased the appropriations and expanded USGS work in Alaska.

The Division of Alaskan Mineral Resources was created in the Geologic Branch in 1903. The Division continued the work of preparing geologic and topographic maps of Alaska as part of the mineral-resource investigations. Later the Division also was made responsible for water-resources investigations, classification of its public lands, and the collection of mineral statistics in Alaska. In 1922 the Division was separated from the Geologic Branch as the Alaskan Mineral Resources Branch under a “Chief Alaskan Geologist.”

Other records concerning USGS work in Alaska are described in the records of the Staff Geologist for Territories and Island Possessions, entry 60; the records of the Alaskan Geology Branch, entries 258-265; records concerning the Aleutian Volcano Project, entry 249; records concerning the Alaska Terrain and Permafrost Section of the Military Geology Branch, entry 285; records of the Alaskan Branch, entries 680-686; and records concerning Land and Stream Classification, entry 675.

216. FISCAL RECORDS CONCERNING FIELD EXPENSES FOR ALASKA MINERAL INVESTIGATIONS, 1901-2. 1.5 in.

Arranged by type of record.

Summary appropriation forms, abstracts of disbursements, vouchers, payrolls, and related records maintained by Walter C. Mendenhall, Special Disbursing Agent.

217. RECORDS CONCERNING THE CUNNINGHAM COAL LAND CLAIMS. ca. 1905-7. 39 items. [NWCS, maps and plans]

The records consist of tracings; planetable sheets showing the locations of coal sections surveyed in 1905 (including a key map of Cunningham Claims); and a printed map titled “Map of the Bering River Coal Field,” which shows the distribution of the various kinds of coal and locations of coal sections.
Areal Geology became an operational division in the Geologic Branch in 1900. Two years later the division became a section of the Geology and Paleontology Division. Between 1913 and 1922 the unit was divided into the Section of Eastern Areal and Structural Geology and Section of Western Areal and Structural Geology. In 1927 the section was made part of a new Section of Areal Geology and the Geology of Nonmetalliferous Deposits, which in 1944 became part of the newly created Division of Economic Geology. In 1945 Areal Geology was separated and transferred as a section to the Division of Areal Geology and Basic Sciences. In 1947 Areal Geology was renamed General Geology. The section was responsible primarily for investigating the nature and extent of geologic structures; its studies also helped to establish regional stratigraphic frameworks. One of the principal goals of the work involved improving the geologic map of the United States.

218. RECORDS CONCERNING AREAL GEOLOGY. 1907-19. 5 in.

Arranged alphabetically by subject, and thereunder chronologically.

Chiefly correspondence, but also includes memorandums, progress and technical reports, statistical summaries, handwritten notes, and other records, concerning the Section of Western Areal and Structural Geology and the Section of Eastern Areal and Structural Geology. Information included relates to field examinations for mapping and other areal-geology projects; mapping for the folios of the “The Geologic Atlas of the United States” by USGS and contract geologists; allotments and expenditures for field examinations and folio projects; editing and publishing folios; and cooperation with the War Department and the Forest Service.
The “examination of the ... mineral resources ... of the national domain” was a part of the founding mission of the USGS and a Mining Geology Division was established in 1879 to administer the work. In 1894 the unit was reconstituted as the Division of Mineral Resources in the Geologic Branch. In the reorganization of the Geologic Branch in 1900 studies of mineral deposits were placed in a Division of Economic Geology, divided into the Section of Investigations of Metalliferous Ores and the Section of Nonmetalliferous Economic Deposits. Also called Metalliferous Deposits and Nonmetalliferous Deposits, two sections remained coherent entities under several organizational units. In 1947 Survey Order 163 merged the two sections as the Mineral Deposits Section in the reestablished Division of Economic Geology. The functions of the Section remained the same except for the addition of physical-exploration functions transferred from the Bureau of Mines. Surface work such as trenching was assigned to the Mineral Deposits Section. Functions associated with geophysical exploration were assigned to the Geophysics Branch. In 1949 the Mineral Deposits Section became a Branch.


Arranged according to a decimal classification scheme. A file title list appears as Appendix 15 in this inventory.

Includes correspondence, memorandums, periodic program-status reports, telegrams, budget-allocation forms and other fiscal records, Departmental circulars, Survey Orders and other administrative issuances, project summaries, information releases, minutes of meetings, reports on mineral resources by nongovernment organizations, drafts of professional papers, maps, charts, and photographs. The records concern the administration of Branch programs; cooperation with other units of the USGS, Departmental field committees, other Federal agencies, State agencies, and professional associations such as the American Society for Testing Materials; strategic-minerals surveys during World War II and other field investigations; and public-works projects.

220. ATLASES TO ACCOMPANY MONOGRAPHS. 1881, 1883, 1903. 4 vols. [NWCS, maps and plans]


221. MICROSCOPE SPECIMENS OF MINERALS FOUND IN GRANTS PASS QUADRANGLE, OREGON. 1908. 10 in.

Forty-one glass slides (1 in. x 1.75 in.) numbered from 7017 to 7077.

222. DESCRIPTIONS OF MINERALS FOUND ON THE FT. BELKNAP INDIAN RESERVATION AND IN THE JEFFERSON NATIONAL FOREST, MONTANA, WITH ACCOMPANYING MICROSCOPE SPECIMENS. 1921. 8 in.

Arranged numerically by assigned number.

Descriptive cards numbered from 1 to 121 give the locality where the sample was found, characteristics of the sample, and often on the reverse of the card, a description of the surrounding rocks where the sample was found. Each card has an attached envelope containing a slide specimen.
223. RECORDS CONCERNING MINERAL DEPOSITS. 1914-49. 10 in.

Arranged by mineral, geographic area, or by type of record.

Includes core logs of bore holes, reports on chemical analyses of soil samples, correspondence, maps, newspaper clippings, reports on field investigations, reprints of articles from professional journals, congressional documents, information bulletins, and photographs. The records concern efforts by Federal agencies, sometimes at the request of private individuals and mining companies, to ascertain the quality and extent of deposits of bromine, iodine, potash, saltpeter, sodium nitrates, and talc.

224. RECORDS OF GERALD FRANCIS LOUGHLIN CONCERNING MINING GEOLOGY IN LEADVILLE AND OTHER AREAS. 1901-23. 5 in.

Arranged by subject.

Handwritten notes, diagrams, plats, memorandums, correspondence, reports, photographs of rock specimens, and other records concerning coal and other minerals and mines.

225. MANUSCRIPT MAPS AND TABLES RELATING TO THE LEADVILLE AND TINTIC MINING DISTRICTS. 1884-1919. approx. 240 items. [NWCS, maps and plans]

Included are sketches, tracings, blueprints, and regional maps showing the locations of mines, geologic strata intersecting mine shafts, and mine-tunnel layouts, sometimes including raises and winzes; and columnar tables giving an analysis of ores from various mines for the years 1879-1912. Of particular interest is a map of the Leadville Mining District showing the town of Leadville and the locations of mine shafts as of 1911 in the vicinity of the town.

226. OFFICE FILES OF ERNEST FRANCIS BURCHARD. 1915-45. 10 in.

Arranged by surname of correspondent, official title, or subject.

Chiefly correspondence, but also includes memorandums, administrative issuances, and printed items concerning USGS programs and publications, cooperation with Federal and State agencies, and participation in the activities of professional associations. Of particular interest are records concerning USGS field investigations in Cuba.

Burchard served as Chief of the Section of Iron and Steel Metals from 1917 to 1944.

227. RECORDS CONCERNING STRATEGIC MINERALS. 1940-50. 1.5 ft.

Arranged by surname of geologist, subject, or type of record.

Includes correspondence, draft manuscripts, reports on field work, press releases, maps and mine-production statistics concerning USGS field surveys to locate workable deposits of strategic and critical minerals. Much of the work was undertaken in cooperation with the Bureau of Mines, the War Production Board, the Reconstruction Finance Corporation, and State geologists.
228. RECORDS CONCERNING IRON-ORE INVESTIGATIONS. 1941-45. 5 in.

Arranged in two sections—external correspondence and internal correspondence—and thereunder alphabetically by surname of correspondent or subject.

Chiefly correspondence with State and academic geologists, mining companies, other Federal agencies and USGS officials. Includes references to nickel and tungsten, and to bauxite and other minerals.

229. REPORTS AND RELATED RECORDS CONCERNING ARKANSAS BAXITE. 1942-46. 15 in.

Arranged alphabetically by name of ore deposit.

Chiefly War Mineral Reports from the Bureau of Mines that concern bauxite deposits in Arkansas. The reports include information on test drill holes, location, ownership, geology, reserves, value, and analyses. A few reports are annotated. Also includes some correspondence.

230. ORE-BODY REPORTS OF THE ARKANSAS BAXITE PROJECT. 1944-45. 10 in.

Arranged in rough alphabetical order by name of ore deposit.

Typescript reports by USGS geologists (including an abstract of each report). The contents of the reports follow the same format: deposit location, accessibility, surface conditions, exploration data, geology, stratigraphy, character of the ore, structure and origin of the deposit, reserves, and logs of drill holes.

231. RECORDS CONCERNING THE LOCATION OF ARKANSAS BAXITE DEPOSITS. 1941-43. 2 in.

Arranged by type of record.

Correspondence with mining companies, data furnished by mining companies concerning the ore deposits, laboratory-analysis reports, drill-hole data sheets, and handwritten notes. The records appear to have been gathered by the Bureau of Mines for use in compiling War Mineral Reports.

232. MAPS RELATING TO THE ARKANSAS BAXITE DISTRICT INVESTIGATION. 1942-45. approx. 1200 items. [NWCS, maps and plans]

Some of the items are arranged by mine or ore body.

Included are contour maps, maps of mine shafts and tunnels (including caved areas), planetable sheets, graphs, geologic cross sections, drilling plans, and deep drill-hole reports (on cards). The records concern investigations of the location, extent, and mineral and chemical composition of bauxite-ore deposits. There are also records concerning bauxite-ore processing. The last folder contains a memorandum, dated February 10, 1944, concerning the format and content of written reports on bauxite-ore deposits.

233. CORRESPONDENCE CONCERNING NONMETALLIFEROUS INVESTIGATIONS. 1942-47. 3 in.

Arranged alphabetically by surname of geologist.
Correspondence and related records that concern field surveys to locate deposits of calcite, corundum, mica, quartz, scheelite, talc, and other minerals.

234. RECORDS CONCERNING MAGNESITE INVESTIGATIONS. 1942-48. 4 in.

Arranged by subject or type of record.

Progress reports on field work, correspondence, and a draft copy of the final report on magnesite deposits, primarily those in Nevada and California. The draft report includes plats that show the locations of the deposits.

Eugene Callaghan, a commodity geologist with the USGS, supervised the investigations. The ultimate objective of the program was a comprehensive report on the commercially important magnesite resources of the United States. The records also contain frequent references to brucite deposits.

235. RECORDS CONCERNING WESTERN DOLOMITE INVESTIGATIONS. 1942-46. 2 in.

Arranged by type of record.

Monthly progress reports, preliminary reports of findings, and correspondence. The field work was conducted primarily in Washington, Idaho, and Montana, but the records also refer to field reconnaissances in other Western States. The chief aim of the program involved determining the location and extent of high-grade dolomite deposits.

236. REPORTS ON MINERAL EXPLORATION PROJECTS. 1946-51. 1.5 in.

Arranged by title of report: Southeast Phosphate Studies (Florida), Bear River Phosphate (Idaho), Maryland Clay (Maryland), Colorado Plateau Exploration, Tri-State Lead-Zinc District (Missouri, Kansas, Oklahoma), Mineral Resource Studies, and Geochemical Prospecting Unit.

Chiefly periodic progress and summary reports. Some reports are accompanied by other types of documents such as minutes of meetings, correspondence, expenditures forms, and maps.

237. RECORDS RELATING TO EMPLOYEES’ MILEAGE AND OTHER FIELD EXPENSES. 1949. 1 in.

Arranged by project number.

Chiefly memorandums or notes showing mileage and, sometimes, related expenses. Files C180 and C195 also include progress reports.

238. RECORDS OF THE SECTION OF COOPERATION. 1917-19. 15 in.

Arranged in two sequences alphabetically by subject, Federal agency, private firm, and correspondent's surname.

Correspondence, memorandums, statistical tables and summaries, monthly and technical reports, handwritten notes, publications, congressional documents, copies of Survey Orders, newspaper clippings, and other records concerning the administration, policies, and functions of the Cooperation Office during World War I.
The records primarily concern cooperation with Federal agencies (particularly the war agencies), foreign countries, and private firms to supply narrative and statistical data on minerals. Also included is information on Federal control of minerals, Geologic Division publication of compiled mineral data, personnel matters, and equipment and supplies. A few records are interspersed that concern the Joint Information Board on Minerals and Derivatives, established February 14, 1918, to coordinate mineral investigations and exchanges of information in the Federal Government. The geologist-in-charge of cooperation served as the Board's Executive Secretary.

239. ANNOTATED PRINTED MAPS SHOWING WORLD MINERAL DEPOSITS. 1918. 154 items. [NWCS, maps and plans]

Arranged alphabetically by country or region.

Most of the sheets are base maps from Stanford’s Library Map editions. Some of the maps are annotated to show the locations of oil, oil shale, coal, bauxite, iron, phosphate, and other minerals. The maps were published as part of the “World Atlas of Commercial Geology,” (Washington, D.C., 1921).

The atlas was published in two parts: Part I, Distribution of Mineral Production, and Part II, Water Power of the World. The compilation of the atlas was begun in response to a request from the Secretary of State in December 1917.

240. MAPS OF THE MISSOURI RIVER BASIN. 1945-51. 33 items. [NWCS, maps and plans]

Maps showing the findings of geologic mapping and mineral resource investigations. Some of the maps are part of the following series of maps - “Missouri Basin Studies, Sand and Gravel Deposits,” “Mineral Resources of the Missouri Valley Region,” “Missouri Basin Studies, Construction Materials and Non-metallic Mineral Deposits,” and “Missouri Basin Metallic Mineral Deposits.”
In 1946 a staff unit called the Base Map Control and Research Unit (also known as the Base Map Unit) was established in the Geologic Branch. The staff was responsible for maintaining an inventory of the base-map requirements of the Geologic Branch, providing a liaison with the Topographic Branch regarding technical problems relating to the use of aerial photographs in compiling geologic maps, and conducting research on the photogrammetric compilation of geologic data.

241. RECORDS CONCERNING THE BASE MAP UNIT. 1941-60. 2 ft.

Arranged by subject.

Correspondence; memorandums; maps; plats; technical reports; statistical tables and summaries; handwritten notes and calculations; bound reports; priority lists of the Geologic Division's mapping needs; completed order forms; price lists for maps; diagrams; circulars; press releases; a list of maps prepared and published by the Division; and other records relating to the administration, procedures, and policies of the Base Map Unit. Included is information concerning the procurement and distribution of maps within the Division; the priorities set and justifications made for mapping projects; cooperation with the USGS's Topographic Division and Federal units, such as the Department of Defense, Department of Agriculture, Bureau of Mines, and Soil Conservation Service; aerial-photo mapping; and contracts with private firms to furnish maps for the Geologic Division.

Also included are agendas, minutes of meetings, reports, memorandums, correspondence, and other records concerning the General Staff Committee, 1951-52. The Chief of the Unit was a member of the Committee.

The majority of the records date from 1946 to 1959. Many of the records dating from 1941-46 appear to be from the office files of Joseph W. Peoples, the geologist-in-charge of mapping for the Geologic Division before the Base Map Unit was established.
In 1944 a Committee for Cooperative Investigations Abroad was established to coordinate requests from other U.S. Government agencies and foreign governments regarding geologic work (especially on mineral resources) outside the continental United States and Alaska. The committee, composed of one representative from each section in the Division of Economic Geology, was responsible to the Chief of the Division of Economic Geology. In 1946 the committee was renamed the Section of Foreign Geology. Survey Order 171 merged the Foreign Geology Section with the Alaskan Section in 1948 and renamed it the Section of Alaskan and Foreign Geology (redesignated a branch in 1949). In 1952 Survey Order 216 established a separate Alaskan Geology Branch and the former Branch was renamed the Foreign Geology Branch. In 1969 the Foreign Geology Branch was restyled the Office of International Geology; it became an office-level unit in 1971, with two branches--Latin American and African Geology, and Middle Eastern and Asian Geology.

242. REPORTS AND RELATED RECORDS CONCERNING STRATEGIC MINERALS IN BRAZIL. ca. 1942-47. 14 ft.

The files are arranged by assigned number.

Correspondence with the State Department and local mine operators and agents, field-investigators' reports, maps and charts, photographs, and production and sales data concerning the purchase of strategic and critical minerals. Some of the records are in Portuguese.

The records were maintained in the Rio de Janeiro office of the U.S. Commercial Company. The company was incorporated in 1942 as a subsidiary of the Reconstruction Finance Corporation.

243. RECORDS CONCERNING THE QUARTZ COMMODITY PROGRAM IN BRAZIL. 1944-45. 10 in.

Arranged chronologically by date of report. Some general files are at the end of the series.

Chiefly narrative and statistical reports concerning mine development, contracts with owners, quartz production and sales. Also included are maps and charts, cross sections of quartz deposits, drawings of quartz crystals, and photographs.

The Quartz Commodity Program was administered by the Foreign Economic Administration.

244. REPORTS AND RELATED RECORDS CONCERNING THE MICA COMMODITY PROGRAM IN BRAZIL. 1943-46. 10 in.

Arranged by type of record.

Chiefly field reports, compiled jointly by USGS geologists Montis R. Klepper and David M. Larrabee, and a Brazilian mining engineer, that contain a description of mine workings (frequently illustrated by sketches), production data, and geologic setting. Also included are engineers' reports, monthly mine-production reports, correspondence, and photographs. Some records contain information on other minerals. A few of the records are in Portuguese.

The program was administered by the Foreign Economic Administration.

86
Theoretical Geophysics Branch, 1942-96

The functions that became the core work of the Geophysics Section of the Geologic Branch were transferred in 1936 from the Bureau of Mines under the provisions of 49 Stat. L., 1787, as originally recommended in 1933 by the Interior Department’s Science Advisory Board. Known originally as the Geophysical Prospecting Section, the unit became the Geophysics Section of the Division of Areal Geology and Basic Sciences in 1946, a year before additional functions relating to geophysical exploration were transferred to it from the Bureau of Mines. The Section conducted magnetic, electrical, gravimetric, seismic, and geothermal investigations. The Section, restyled a Branch in 1949, continued to exist as a unit through several reorganizations of the Geologic Division. In 1961 the Geophysics Branch was renamed the Theoretical Geophysics Branch; in the following year, the Branch was transferred from the Division’s Office of Geologic Processes to its new Office of Experimental Geology.

In 1945 the USGS began a study of volcanoes in the Aleutian Islands area. The work was initially funded by the Military Intelligence Division of the Office of the Chief of Engineers. After World War II funding was provided by the Office of Naval Research. At first the work was assigned to the Alaskan Branch. After the Alaskan Branch was abolished in 1946, and its geologic work was transferred to the Geologic Branch, the Aleutian volcano investigations were assigned to the Geophysics Section.

In 1948 the Geophysics Section, in cooperation with the United States Navy, conducted a preliminary gravimetric and oceanographic survey of a portion of the continental shelf in the Gulf of Mexico.

245. RECORDS CONCERNING PROJECTS. 1942-62. 4.5 ft.

Arranged by project, and thereunder either by type of record or chronologically.

Correspondence, tables, charts and maps, memorandums, progress and summary reports, draft and processed reports, budget allotments and justifications, and work plans.

The records concern projects such as gamma-radioactivity and seismic-refraction surveys done in conjunction with nuclear tests conducted by the Atomic Energy Commission in Nevada, geothermal profiles and permafrost studies of areas in Alaska, thermal and seismic investigations in the South Pacific, and proposed mineral-resource explorations of the continental shelf by the Bureau of Mines.

Also included is a list, compiled in 1956, of geophysical ground surveys, arranged by State, and with location maps, report lists, and references to unprocessed data.

The continental shelf records date from 1942. The remaining records date from 1950.

246. WORKING PAPERS OF IRWIN ROMAN. 1944-49. 15 in.

Arranged by subject or type of record.

Chiefly statistical tables and summaries, but also includes maps, plats, handwritten notes and calculations, and memorandums and diagrams that relate to gravity surveys in Missouri and Kansas, and the "Double Dip-Needle Project" in Woonsocket, Rhode Island. Also included are the reference materials, data, and preliminary report concerning an experimental survey near Shullsburg, Wisconsin, to test a method of interpreting electrical-resistivity measurements made by a form of the single-probe method.
247. RECORDS CONCERNING RADIATION INVESTIGATIONS.  1946-62.  3 ft.

Arranged by subject, and thereunder roughly chronologically.

Chiefly correspondence and memorandums, but also includes reports, statistical tables and summaries, completed work-plan and summary-of-expenditure forms, handwritten notes and calculations, annotated drafts of papers, publications, newspaper clippings, graphs, diagrams, and other records concerning the administration and programs of the Radiation Section of the Theoretical Geophysics Branch. Included is information relating to the plans, progress, and results of Radiation and Trace Elements investigations; and budget requests, allotments, and expenditures. Cooperation with other USGS divisions, Federal agencies, especially the Atomic Energy Commission, and foreign countries; research and use of radiation instruments and equipment; and personnel matters. Some of the projects include radon and helium investigations in Texas; gamma-ray spectrum studies; airborne radiation survey of Liberia; resistivity studies; uranium in core samples; the Atomic-Waste Disposal Program; and seismic exploration and research.

Also included are agendas, minutes, abstracts, copies of papers, and press releases concerning United Nations Conferences and other professional meetings.

248. GEOPHYSICAL INVESTIGATIONS MAPS.  1946-96.  approx. 910 items. [NWCS, maps and plans]

Unnumbered maps followed by maps numbered from GP-1 to GP-1016. The maps show the results of magnetic reconnaissance surveys. The series includes a map titled “Black and White Composite Magnetic Anomaly Map of the United States” (GP-960G), prepared in cooperation with the Society of Exploration Geophysicists. Most of the maps are folded.

249. RECORDS CONCERNING GEOPHYSICAL INVESTIGATIONS OF THE ALEUTIAN VOLCANO PROJECT.  1948-54.  1.5 ft.

Arranged by subject or type of record.

Included are reports, working papers, seismograph-report forms, data on the calibration of scientific instruments, and tiltmeter records. Also included are photographs of volcanic activity and aerial contact prints. The first box contains a 1952 summary of the work. The last box holds labeled envelopes containing artifacts (spear points) and rock fragments.

The Aleutian Volcano Project was a joint investigation of the USGS and the Office of Naval Research. Most of these records were compiled or gathered by Austin E. Jones, a member of the Volcano Investigations Unit based at Adak Island.

250. MAPS, CHARTS, AND GRAPHS CONCERNING MINERAL DEPOSITS IN MINNESOTA.  n.d.  31 items. [NWCS, maps and plans]

The records appear to show locations of ground magnetic readings.
Work on trace elements, which began in the Metals Section of the Division of Economic Geology, was assigned to the newly established Trace Elements Unit in 1945. Later the unit was renamed the Trace Elements Planning and Coordination Office (TEPCO). Briefly in 1949 and 1950 the office was under the immediate direction of the Trace Elements Planning Committee. TEPCO was organizationally a staff function in the Office of the Chief Geologist.

TEPCO was responsible for coordinating the scientific and technical assistance rendered to the Atomic Energy Commission by the Geologic Branch (later Geologic Division) in the exploration for and appraisal of sources of strategic minerals, particularly radioactive raw material under the provisions of the Atomic Energy Act of August 1, 1946 (60 Stat. L., 755), and the Defense Production Act of September 8, 1950 (64 Stat. L., 798). Much of the field work was done by the staff of the Mineral Deposits Branch.

251. RECORDS CONCERNING USGS EXPLORATION AND WITHDRAWAL OF MINERAL-BEARING LANDS. 1946-56. 5 in.

Arranged by subject, and thereunder chronologically.

Chiefly correspondence and memorandums, but also includes reports, statistical tables and summaries, handwritten notes, plats, and other records, concerning the withdrawal from entry of mineral lands bearing radioactive ores and their subsequent restorations in Colorado, Utah, Wyoming, and on the Navajo Indian Reservation. Recommendations regarding withdrawal and restorations were made to and acted upon by the Mining Branch of the Conservation Division under the provisions of the Atomic Energy Act of 1946.

Also contains information relating to USGS policies on field investigations, the release of drilling information to the public, and the agreements made between property owners and the Federal Government for drilling exploration.

252. ATOMIC ENERGY COMMISSION CHRONOLOGICAL FILE. 1947-62. 5 ft.

Arranged chronologically.

Chiefly correspondence and memorandums, a few of which are accompanied by reports, statistical summaries, handwritten notes, plats, and diagrams concerning cooperation between the TEPCO and the Atomic Energy Commission (AEC). The records contain information relating to the planning, progress, and results of cooperative projects, particularly uranium investigations; publication of reports; results of laboratory analysis; allotments and expenditures; and personnel matters. Related records are described in entry 253.

253. CHRONOLOGICAL FILES. 1948-60. 6 ft.

Arranged chronologically.

Correspondence and memorandums concerning the administration and programs of the TEPCO. Included is information relating to investigations of uranium and related trace elements, cooperation with the AEC, results of laboratory analysis, conferences and meetings, allotments and expenditures, and personnel matters.

For other records relating to cooperation with the AEC, see records described in entry 252.
254. **TRACE ELEMENTS PRELIMINARY RECONNAISSANCE REPORTS.** 1951-1955. 15 in.

Arranged alphabetically by State (including the Territory of Alaska), and thereunder chronologically. The first file contains an index to the reports that lists them by assigned number.

The reports include date; examiner's name; property name; owner, and location; mine workings; type of examination; type of counter used; type, age, and analysis, if a radioactive deposit was present; wall rocks, ore minerals, and gangue minerals of the mine; and potential production.

255. **RECORDS CONCERNING TEPCO-AEC CONFERENCES.** 1947-56. 1 in.

Arranged chronologically.

Correspondence, memorandums, and reports concerning conferences and meetings of the Trace Elements Planning and Coordination Office and the Atomic Energy Commission. Included is information relating to cooperative projects, such as radiation, uranium, and helium investigations, and nuclear irradiation studies; methods of research; land withdrawals for exploration; and allotments and expenditures.

256. **RECORDS CONCERNING THE BUDGET OF THE TRACE ELEMENTS PROGRAM.** 1955-56. 0.5 in.

Arranged chronologically.

Memorandums, statistical tables and summaries, and handwritten calculations concerning the budget for the Trace Elements Program" in Fiscal Years 1956 and 1957. The program was co-sponsored by the USGS Geologic Division and the Atomic Energy Commission's Division of Raw Materials. Also included is a "Report of the Committee on the Geologic Division's Future Nuclear Energy Program."

257. **MAPS THAT ACCOMPANIED TRACE ELEMENTS MEMORANDUMS.** 1954-59. 8 items. [NWCS, maps and plans]

Arranged by Trace Elements Memorandum number.

Maps prepared in cooperation with the Atomic Energy Commission showing locations of radioactivity anomalies.
The Alaskan Geology Branch was established in 1946 with headquarters located in San Francisco, California, and a coordination and liaison office in Washington, D. C. The branch was made responsible for all the functions of the Alaskan Section of the former Alaskan and Foreign Geology Branch. The new branch also assumed the functions and responsibilities of the Aleutian Investigations Unit of the Areal Geology Branch.

The Navy Oil Unit, also referred to as the Navy Oil Program, had been organizationally part of the former Alaskan Section, but was managed from the Director's Office. Beginning in 1944 USGS geologists mapped the surface geology, studied subsurface samples and geophysical data, and conducted airborne-magnetic surveys to improve their understanding of the geologic framework and assess the resources potential of areas within and adjacent to Naval Petroleum Reserve No. 4. In 1945 the Navy Department transferred a portion of an appropriation made to investigate the oil prospects to the USGS, whose personnel operated out of a field office and laboratory in Fairbanks, Alaska.

In 1945 an Operating Committee was formed, which functioned as a Board of Directors for the entire exploratory program. The committee was originally made up of the Director of Naval Petroleum Reserves, the Director of the USGS, the Project Manager of Arctic Contractors, a representative of Hoover, Curtice, and Ruby, a representative of the Secretary of the Navy, and a representative of the Bureau of Yards and Docks. A representative of the Army-Navy Petroleum Board was added later. Although funding for exploratory work ceased in 1953, geologists continued to work in the vicinity of the Reserve. Between 1977 and 1982 the USGS managed a Navy- and Interior-sponsored program of exploration to access the oil and gas potential of the entire reserve, which had been renamed in 1976 the National Petroleum Reserve in Alaska.

258. MINUTES OF MEETINGS AND RELATED RECORDS CONCERNING THE OPERATING COMMITTEE OF THE NAVY OIL UNIT. 1946-52. 3 ft.

Arranged by meeting (some nonconsecutive meetings are grouped together), and thereunder by type of record.

Includes agendas, minutes and transcripts of meetings, correspondence, reports presented to the committee, and maps depicting results of seismic surveys. Included are some working papers of the Executive Operating Committee. The minutes of the meetings do not form a complete set.


Arranged chronologically.

Weekly reports from the project manager, at Point Barrow, Alaska, to the Chairman of the Operating Committee, concerning the status of construction projects. Some reports are accompanied by financial statements, work schedules, test-well logs, and reports of technical personnel.

260. LOGS OF BRANCH DAILY CORRESPONDENCE. Jan. 2 - June 30, 1957. 5 in.

Arranged chronologically.

Chiefly copies of outgoing letters and memorandums concerning Branch programs, including activities of the Navy Oil Unit. There are also technical reports and forms showing the status of projects.
261. BRANCH RECORDS CONCERNING CORE SAMPLES. 1947-53. 6 in.

Arranged by type of record, test site, or type of test.

Chiefly core-analysis data forms and record sheets, but also includes some correspondence, memorandums, and charts of test wells.

262. BRANCH REPORTS. 1946-53. 4 ft.

Arranged by type of report--preliminary, special, and regular--and thereunder by assigned number.

Typescript and processed reports compiled by USGS geologists concerning investigations of the region in northern Alaska designated as Naval Petroleum Reserve No. 4. Most of the reports are accompanied by maps and charts.

263. MISCELLANEOUS RECORDS OF THE NAVY OIL UNIT. 1949-53. 2 in.

Arranged by subject.

Includes correspondence, memorandums, reports, maps information issuances, and maps concerning photogeology; status of Navy projects at Point Barrow, Alaska; stratigraphic nomenclature; and Operating Committee study programs.

264. PUBLISHED ALASKA QUADRANGLE MAPS. 1905-50. 77 items. [NWCS, maps and plans]

Arranged by series and thereunder by number.

The file contains “old series” maps numbered from 540A to 657, and “new series” maps numbered from 3 to 54. The series also includes index maps (1912 and 1927) to the “old series” items.

265. GEOLOGIC MAPS OF ALASKA. 1957, 1978. 5 items. [NWCS, maps and plans]

The maps are printed. The 1978 map is in sections.
Beginning in 1908 a number of organizational units were formed in the Geologic Branch to investigate the occurrence and extent of mineral-fuel deposits. In 1913 the two geographic-fuels units in the Section of Economic Geology were given separate status as the Sections of Eastern and Western Mineral Fuels. In 1917 these sections were recast by commodity as well as geography in three sections—the Geology of Eastern Coal Fields, the Geology of Western Coal Fields, and the Geology of Oil and Gas Fields. The two coal sections were merged as the Geology of Coal Fields in 1919. The coal and oil-gas units were consolidated in 1924 as the Geology of Fuels Section. In 1949 the Fuels Section was restyled the Fuels Branch. In the 1960's the Fuels Branch became the Branch of Organic Fuels and then the Branch of Organic Fuel and Chemical Resources. The latter unit again was divided by commodity in 1972 into the Branches of Oil and Gas Resources, Coal Resources, Chemical Resources, and Uranium-Thorium. The first two of these units retained their names after 1972. During the 1980's the Branch of Chemical Resources was renamed Sedimentary Mineral Resources before being merged with the Uranium-Thorium unit as the Branch of Energy Minerals.

266. STATISTICS CONCERNING INTERNATIONAL COAL IMPORTS AND EXPORTS. 1913-17. 2 in. 1 vol.

Entries are arranged by country or geographic area and thereunder by year. A table of contents appears inside the front cover.

The entries consist of three columns showing the amount of coal produced, imported, and exported. Often the county from which it was imported or to which it was exported is listed with the amount. Many counties listed have no entries.

The statistics may have been gathered as part of an analysis of the availability of coal at coaling ports for Allied ships during World War I. There is a particular emphasis on the importance of regional coal supplies, especially those supplies originating in the United States and Great Britain. An undated typescript copy of an article titled “The Strategic Importance of the World’s Coaling Stations” is inserted in the volume.

267. RECORDS RELATING TO FOSSIL-FUEL INVESTIGATIONS. 1921-49. 4.5 ft.

Arranged alphabetically by State or geographic area, and thereunder by region, project, or other subject. There are a few miscellaneous files boxed at the end of the series. Records concerning Utah date from 1930 and records concerning Wyoming date from 1921. The remaining records date from 1942.

The records consist of correspondence, memorandums, work plans, progress reports, logs of drill holes, press releases, maps and charts, expense statements, conference summaries, and printed reports.

The records concern the compilation of topographic and geologic maps to facilitate the discovery and assessment of coal, oil, oil-shale, tar-sand, and natural-gas reserves. Some field investigations were done in cooperation with the Navy Department, Bureau of Mines, and State agencies. Most of the records concern investigations initiated because of World War II.
268. GENERAL ADMINISTRATIVE FILES. 1925-53. 5 ft.

Arranged by numeric-subject file system. A list of file titles appears as Appendix 16 in this inventory. The Bureau of Mines file (3.b) contains records dating from 1925 and the Preparation of Maps and Reports File (20.e) contains records dating from 1931. The remainder of the records date from 1944.

Correspondence, memorandums, administrative issuances, budget justifications and other fiscal records, proposals for field work, periodic reports, minutes of meetings, conference summaries, annotated maps, Professional Papers, organization charts, press releases, copies of legislation, and cooperative agreements.

The records concern branch organization and programs; continental-shelf work; oil, oil-shale, natural-gas, and trace-elements investigations; cooperation with State agencies, and departmental and interagency committees; personnel matters; appropriations, allotments and budgets; and participation in the Fourth World Power Conference.

269. RECORDS CONCERNING EASTERN FIELD INVESTIGATIONS. 1923-55. 9 ft.

Arranged alphabetically by State or area, and thereunder chronologically--by project or geographic area. The larger files are titled Appalachian, Alabama, Arkansas, Florida, Kansas, Kentucky, Maryland, Michigan, Mississippi, North Carolina, Oklahoma, Pennsylvania, Tennessee, Texas, and Virginia. The State listed sometimes indicates only the location of the field office, not where the work was done. Most of the records date from 1944. The records concerning Kansas date from 1923 and the records concerning Mississippi date from 1936.

Correspondence, memorandums, periodic reports of progress, drafts of professional and technical papers, press releases and other information issuances, work plans and program proposals, cooperative agreements, summary reports on fossils, logs of drill holes, gas-production data and maps.

The records concern administrative matters such as the location of field offices and assignment of personnel; cooperation with States; and oil, oil-shale, coal, and natural-gas investigations.

270. RECORDS CONCERNING WESTERN FIELD INVESTIGATIONS. 1938-54. 12 ft.

Arranged alphabetically by State (California, Colorado, Idaho, Missouri, Montana, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Wyoming), and thereunder by project or geographical area. The Missouri file chiefly concerns the Missouri River Basin. Records concerning California and New Mexico begin in 1938. The remaining records date from 1943.

Correspondence, memorandums, press releases, progress reports on field work, allotment forms, program proposals, drafts of Professional Papers, summary reports on fossil deposits, logs of drill holes, and maps and sketches.

The geologic surveys were undertaken to determine the probable location and extent of oil, oil-shale, natural-gas, coal, and tar-sand deposits. The surveys frequently resulted in the revision of geologic maps.

271. MISCELLANEOUS ADMINISTRATIVE AND PROJECT FILES. 1949-54. 2 ft.

Arranged by subject.
Correspondence, memorandums, project progress reports, summaries of meetings and conferences, administrative issuances, personnel lists, work plans, and maps. The records concern the scope of branch programs and the status of individual projects.

272. PHOTOGRAPHS OF AN OIL-SHALE PLANT. ca. 1927. 22 items. 1 booklet.

Arranged by assigned number (from 62 to 85). Some numbers are missing. This booklet is filed with the textual records.

Mounted and black and white photographs are bound in a booklet titled “Supplement to Experimental Oil Shale Plant Pictorial Report.” The photographs show retorts, the crusher, hopper, condenser assembly and other equipment.

The location of the report is not known.

273. CENTRAL CLASSIFIED FILES. 1953-58. 8 ft.

Arranged according to the same subject-numeric file system used for the Central Classified Files, 1953-74, described in entry 52 (appendix 4).

Correspondence, memorandums, allotment forms and other fiscal records, press releases and processed issuances, proceedings of regional supervisors' conferences, project descriptions, and program plans.

The records concern the development and administration of branch programs, cooperation with State agencies, assignment of personnel, organization and location of field offices, and related matters. Most of the projects discussed in these files concern coal investigations.

274. MAPS SHOWING THE LOCATIONS OF OIL AND GAS FIELDS. 1914-64. 18 items. [NWCS, maps and plans]

An unnumbered series of printed maps titled “Oil and Gas Fields of the United States.” All of the maps are in two sections. All of the maps are at 1:250,000. The legend varies from map to map.

275. MAPS PUBLISHED IN THE OIL AND GAS JOURNAL. 1932, 1934. 3 items. [NWCS, maps and plans]

The maps are titled “The Oil and Gas Journal’s Map of Oil and Gas Pools in the United States and Canada,” and “The Oil and Gas Journal’s Map of Oil and Gasoline Trunk Pipe Lines in the United States.”

276. OIL AND GAS INVESTIGATION MAPS. 1944-92. approx. 270 items. [NWCS, maps and plans]

The maps numbered from 1 to 109 are preliminary maps. Maps numbered from 110 to 224-C on carry the prefix “OM.” Some of the maps are folded.
277. OIL AND GAS INVESTIGATION CHARTS. 1944-96. approx. 160 items. [NWCS, maps and plans]

The preliminary charts are numbered from 1 to 39. Charts numbered from 55 to 148 carry the prefix “OC.” About half of the maps are folded.

278. MAPS SHOWING THE LOCATIONS OF COAL FIELDS IN THE UNITED STATES. 1908-61. 18 items. [NWCS, maps and plans]

Most of the maps are in sections and some are accompanied by text.

279. COAL MAPS. 1935-49. 23 items. [NWCS, maps and plans]

Unnumbered maps showing areas in Alabama, Colorado, Georgia, North Carolina, Oklahoma, Utah, Washington, and Wyoming. Twelve of the maps are of Oklahoma and are dated 1935 and 1944.

280. COAL INVESTIGATION MAPS. 1950-95. approx. 180 items. [NWCS, maps and plans]

Arranged numerically from C1 to C146. Many of these maps are folded.

281. COAL MAP OF NORTH AMERICA. 1988. 2 items. [NWCS, maps and plans]

An oversized special geologic map at 1:5,000,000. The map is in two sections, north half and south half. The map is accompanied by a booklet of explanatory text.
The Geologic Branch established an informal unit in June 1942 to prepare “geologic reports for military use in areas of strategic importance.” The Military Geology Unit (MGU) was equivalent organizationally to a Section. The MGU operated under an interdepartmental cooperative agreement, formalized the following October, between the War and Interior Departments. With direction and funds from the Office of the Chief of Engineers, the MGU’s staff prepared intelligence reports about the terrain, engineering concerns, soils and geology, ground-water resources, and available construction materials on the areas selected by the Army Engineers. The MGU played a significant role in planning for the invasion of Sicily, but its work thereafter in World War II was focused on the Pacific.

The MGU was formalized as in 1946 and restyled a Branch in 1949. The Military Geology Branch (MGB) conducted a wide range of special studies for the U.S. Army and its Engineers, the U.S. Air Force, the Defense Intelligence Agency (DIA), and the Civilian Intelligence Agency. The MGB’s Strategic Studies (1945-72) contributed to the comprehensive, small-scale products of the National Intelligence Survey. Other Cold-War programs by the MGB included Pacific Engineer Intelligence (1959-65), Pacific Geologic Surveys (1946-62), Alaska Terrain and Permafrost (1947-65), USGS Team in Europe (1954-64), Austere Landing Sites (1956-70), Special Intelligence (1959-72), and Nuclear-Test Detection (1962-72). In 1960 the USGS established a Special Projects Branch (SPB); the SPB and the MGB reported to the Office of Interagency Programs and Special Services. Administrative control of the two branches passed to the Assistant Chief Geologist (ACG) for Engineering Geology in 1963 and to the ACG for Environmental Geology in 1969. Most of the MGB’s functions had been given to the DIA and other agencies before the Branch was disestablished in 1972. The SPB was discontinued in 1980.

282. GENERAL CORRESPONDENCE FILES. 1943-53. 2 ft.

Arranged by subject, and thereunder chronologically.

Primarily correspondence, but also includes project plans, reports, memorandums, minutes of meetings, conference agendas and summaries, lists of geographic names, charts, and graphs. The records concern the allocation of personnel, allotments and expenditures, and other administrative actions relating to terrain and permafrost investigations in Alaska, geologic surveys of the Pacific Basin, postwar topographic and mineral-resource surveys in Central Europe, and technical cooperation with the Joint Research and Development Board, created in 1946, and its successor, in 1947, the Research and Development Board (Department of Defense).

283. REPORTS ON GEOLOGIC INVESTIGATIONS OF WESTERN NORTH PACIFIC ISLANDS AND RELATED MATTERS. ca. 1947-64. 3 ft. 78 volumes and unbound papers

Arranged by subject.

Chiefly bound reports, catalogues, bibliographies, gazetteers, and technical manuals compiled by the Military Geology Branch (for the Office of the Chief Engineer, General Headquarters, Far Eastern Command) translating and summarizing Japanese geological literature. The subjects include mineral and fuel resources, terrain studies, soil surveys, geophysical-research methods, and related geologic studies. Some of the reports were prepared with the assistance of the Soil Conservation Service of the Department of Agriculture. There are also processed monographs concerning water supplies, harbor development, and construction of airstrips and storage depots. Geographic areas addressed include Ryukyu-Retto, the northern Ryukyus, Okinawa, the Palau Islands, the Mariana Islands, Formosa (Taiwan), and Japan. Some reports include maps and copies of photographs.
There are similar reports on areas in Korea, the Aleutian Islands, and Germany. A file of unbound material consists of questionnaires, correspondence, notes, and manuscript reports concerning water supplies for cities in Japan.

Related records are described in entry 628.

284. RECORDS CONCERNING PACIFIC GEOLOGIC SURVEYS. 1947-60. 5 ft.

Arranged by subject or type of record, and thereunder chronologically.

Correspondence, periodic reports of progress, memorandums, statistical data, drafts of technical papers and studies, drill-core analysis charts, meeting summaries, index maps, photostatic copies of maps compiled by Japanese geologists, and bibliographic lists concerning mineral resources, water supplies, sanitation, topography, and geology of areas that include Japan, Korea, Manchuria, the Ryukyu Islands, the U.S. Trust Territory of the Pacific Islands, and Guam.

The Pacific Geologic Surveys Section, located in Tokyo, also cooperated with United States military authorities, searched university libraries to compile lists of resource materials, translated technical papers, and maintained liaison with mining companies.

285. RECORDS OF THE ALASKA TERRAIN AND PERMAFROST SECTION. 1945-54. 7 ft.

Arranged alphabetically by project, surname of individual, agency, or other subject.

Correspondence, orders, circulars and other administrative issuances, minutes of meetings, financial statements, allotment summaries and other fiscal records, memorandums, program plans, progress and project status reports, analysis of drill cores and soil samples, and topographic and geologic maps. The records concern Alaska projects, such as the Aleutian volcano investigations, Arctic Research Laboratory, hydrologic surveys, land classification, naval petroleum reserves, and administrative matters relating to personnel assignments, cooperation with the Army Corps of Engineers, departmental field committees, and other USGS units, and publication of professional papers based on field work.

286. PRELIMINARY MAPS CONCERNING STRATEGIC-MINERALS INVESTIGATIONS. ca. 1940-46. 33 items. [NWCS, maps and plans]

Printed geologic maps and correlation charts showing geologic strata and deposits of minerals such as bauxite, and occurrences of copper, iron, lead, phosphate, tungsten, and zinc. Some maps are labeled “War Mineral Investigations.”

287. GERMAN-LANGUAGE GEOLOGIC MAPS. ca. 1918-44. approx. 4200 items. [NWCS, maps and plans]

Arranged by county or region, and sometimes thereunder by subject. Some maps concerning a city or area are in bound sets. About one quarter of the maps are folded to accompany booklets in file cases. Some maps are marked “Heringen Collection.”

Included are published maps, topographic and geologic maps, tracings, and what appear to be annotated air-photo maps. The maps, which generally concern military geology, economic geology, lithology, topography, and water
resources, center on specific subjects such as vegetation and soil types, locations of raw materials, industrial infrastructure, ground-water and surface-water resources, floods and canals, coastlines and river deltas, and highway and railroad systems. Some of the maps are in color.

The maps and booklets in the file cases also include information about geography; coordinates for aircraft; and charts of power stations, sub-stations, and generating systems. Some of the booklets dedicated to a region or country include information about the number of hotels, post office and telephone facilities, and kilometers to the nearest large city. Some of the counties and regions covered in these materials are France, Belgium and the Low Countries, the British Isles, Ireland, the Scandinavian counties, the Baltic States, Poland, the European portions of the USSR, Italy, Romania, Malta, Greece, Turkey, Yugoslavia, the Middle East, North African countries, and India.
Operations by the USGS Topographic Branch originated in part in the practice by the “King Survey,” from its beginning in 1867, of mapping topography and geology simultaneously in the field. The territorial surveys led by Hayden and Powell adopted this method early in the 1870’s. When Congress did not establish the proposed “Coast and Interior Survey” in 1879 to conduct all geodetic, land-parceling (cadastral), and topographic surveys, Director King began within the USGS a modest program of topographic mapping led by Chief Topographic Engineer Allen D. Wilson, who had served with the “King Survey” and the “Hayden Survey.” Wilson’s topographers provided the base maps the USGS required for the geologic mapping of mining districts and geologic regions in the West. Congress also did not approve restoring the “Wheeler Survey” or establishing an equivalent agency within the War Department for national mapping, but an act of August 7, 1882 (22 Stat. L., 329), provided increased funds to the USGS “to continue the preparation of a geological map of the United States.” As Congress had disapproved earlier resolutions to extend officially USGS work outside the public-land States and Territories, this statute was intended by its sponsors to authorize the agency’s operations nationwide.

Under the new law, Director Powell hired additional topographers and began the nationwide program of topographic mapping, supervised by Chief Geographer, Henry Gannett, a veteran of the “Hayden Survey” and the Tenth Census. The work and field organization of the USGS Geographic Branch (later Topographic Branch) was organized by geographic regions, “but controlled by geologic considerations.” Sections of drawing, astronomy and computing, and instruments supported the Branch’s geographic sections and subsections. In 1888 Congress began making specific line-item appropriations for topographic surveys.

Director Walcott reorganized the Topographic Branch into the Divisions of Triangulation and Topography and four geographic sections in 1894, placed its employees under civil-service rules, and improved the quality of their products. In 1896 Walcott transferred Gannett to other duties and took direct administrative charge of the Branch. In the same year Congress authorized the placement of bench marks by USGS topographers and the sale to the public of their topographic maps. Control of the Branch passed in 1900 to a Topographic Committee led by Richard U. Goode, whom King had appointed to the USGS in 1879. In 1907 the Branch was reorganized according to a plan prepared by a committee headed by Robert B. Marshall, who was made Chief Geographer in 1908. In 1919 the title of the Branch’s chief was restored to Chief Topographic Engineer. Claude H. Birdseye led the Topographic Branch between 1919 and 1929.

An act of March 3, 1891 (26 Stat. L., 1103), authorized the creation of forest reserves and placed them under the administrative control of the Interior Department’s General Land Office (GLO). In 1896 Director Walcott established within the Topographic Branch a Division of Geography and Forestry, administered by Gannett, to handle matters concerned with general geography, including the preparation of papers and the compilation of related maps. The act of June 4, 1897 (30 Stat. L., 34), directed the Secretary of the Interior to survey public lands that had been or might be designated as forest reserves. An act of February 1, 1905 (33 Stat L., 628), transferred the management of the forest reserves, renamed national forests, to the Department of Agriculture’s Bureau of Forestry, which had been established as a Division in 1881. The USGS shifted the classification of the national forests to the Bureau of Forestry, but retained as a separate line item the topographic and special surveys of the national forests until they were combined in 1918 with the general line item for topographic surveys. An act of March 4, 1907 (34 Stat. L., 1269), renamed the Bureau of Forestry the Forest Service.

The Topographic Branch continued to be organized chiefly by regions. In 1905 the Branch comprised the Divisions of Western Topography, Eastern Topography, and Geography. The field work, processing of field data, and map preparation was supported by Sections of Triangulation and Computing, Inspection of Surveying and Mapping, and Instruments and Records. In 1907 the Branch reformed its geographic units into Atlantic, Central, Rocky Mountain, and Pacific Divisions. By 1921 their support units were organized in sections responsible for computing, drafting, inspection and editing, relief maps, and photo mapping. Thomas P. Pendleton served as Chief of the Section of Photographic Mapping.
During and after World War I the Topographic Branch actively developed or refined techniques and instruments for improving aerial photography and using the products to compile maps. Chief Topographic Engineer Birdseye encouraged the Branch’s experiments with the new photogrammetric methods of mapping for surveys in the United States and in Haiti. In 1923 Birdseye led the second half of the USGS survey of the topography along, and the water-power, irrigation, and flood-control potential of, the Colorado River; subsequently, he supervised the ground and photogrammetric mapping of the site of Hoover Dam. In 1933 the USGS and the new Tennessee Valley Authority (TVA) began cooperative projects that included a multiplex-photogrammetric survey of the entire valley to provide coverage by first planimetric and then topographic maps. In World War II some of the TVA-project veterans continued the strategic-mapping program for the War Department, including aids to strategic and tactical bombing, and other operations in the combat theaters, and the strategic-mineral surveys. Branch personnel also developed the trimetrogon method of rapidly producing topographic maps, shaded-relief maps, and aeronautical charts of areas worldwide.

In 1946 the Topographic Branch established the Plans and Coordination Division and Research and Technical Control Division as headquarters-staff units to handle administrative matters and coordinate Branch functions. The two Staff Engineers appointed in 1945 became Assistant Chief Topographic Engineers in charge of these new divisions. They advised the Chief Topographical Engineer on matters relating to long-range planning and program development and those involving research strategies and technical standards. In 1949 the Topographic Branch was restyled a Division and its subordinate divisions became branches. In the same year, in response to increasing exploratory work on the continental shelf, the Division began including on its topographic maps that showed coastal and navigable waters information about underwater contours, certain obstructions, and other landmark features.

In 1980 the Topographic Division was reorganized and renamed the National Mapping Division. The Divisions received from the Director’s Office the Geography Program of its Land Information and Analysis (LIA) Office and the major portion of the discontinued Publications Divisions. LIA was renamed the Office of Earth Sciences Applications, but discontinued in 1982 and its Earth Resources Observation Systems Program passed to the National Mapping Division.
288.  GENERAL ADMINISTRATIVE FILES.  1879-1947.  57 ft.

Arranged numerically in subject categories, and thereunder in rough chronological order.  A few subjects are further subdivided alphabetically by surname of correspondent.  Records relating to some subjects were filed under several numbers.  As an example, files concerning the Forest Service are numbered 100.3 and 162.  A list of file titles appears as Appendix 17 in this inventory.

Correspondence; annual, project, and field inspection reports; memorandums; State and Federal legislative bills and related documents; minutes of meetings; circulars, Survey Orders and other processed issuances; allotment tables, financial statements and other fiscal records; plats and maps; lists of employees; and newspaper clippings.

The records document the functions and programs of the Topographic Division, particularly its mapping programs undertaken in cooperation with municipalities, counties, States, Federal agencies, interdepartmental committees, and other USGS units; development of systematic mapping symbols and uniform scales for government maps; and adoption of photogrammetric techniques and advanced map-making processes.  Also included are records relating to map editing and printing, the Board of Surveys and Maps, the Temple bill (Temple Act of 1925; 43 Stat. L., 1011), position classification and other personnel matters, and emergency-relief projects.  A compilation, prepared about 1910, shows the funds allocated by the USGS for topographic mapping from 1879 (File 19).  Many of the early records concern appropriations, expenditures and estimates, and USGS cooperation with States.  There are a few items dated after 1947.

289.  GENERAL ADMINISTRATIVE FILES.  ca. 1890-1953.  55 ft.

Arranged by subject according to a decimal-classification scheme, and thereunder chronologically.  Some subjects are subdivided by surname of correspondent, agency, company, State, geographic area, project, or type of record.  The file system was adopted from the one used for the General Classified Files, 1912-53, of the Office of the Director (entry 51).  A list of file titles appears as Appendix 18 in this inventory.

Correspondence, memorandums, departmental and USGS administrative issuances, estimates, justifications and other fiscal records, annotated maps and plats, USGS press releases, minutes of General Staff Committee meetings, legislative and other congressional documents, magazine and newspaper clippings, periodic reports of Division activities, telegrams, photographs, and resolutions, minutes of meetings and reports of professional organizations.

The records primarily concern administration of topographic-mapping programs; cooperation with States, USGS units, Interior Department agencies, departmental and interdepartmental committees, other Federal agencies, and foreign countries; development of mapping techniques and methods; appropriations; personnel matters; and liaison with professional associations.  A large segment of the records is designated File 571, Cooperation with States.  This file, which is arranged alphabetically by State or other area, contains many of the records in this series dated before 1947.  The earliest document is an cooperative agreement with Rhode Island in 1888.

The records also concern triangulation surveys and topographic mapping, and include cooperative agreements, State legislative bills and documents, reports on surveys (some reports include a history of topographic surveys in a State), and sketches of triangulation stations.  This file includes records concerning survey work in Cuba, Haiti, Hawaii, and Santo Domingo.  Other files document work in geographic areas: File 573, Alaska (the records date from 1900); and File 900, divided into the Atlantic, Central, Rocky Mountain, and Pacific Regions.

Earlier central files of the Division are described in entry 288 and later central files in entry 290.
290. CENTRAL CLASSIFIED FILES. ca. 1947-59. 84 ft.

Arranged according to a subject-numeric classification system, the same as that used for the central classified files, 1953-74, of the Office of the Director (entry 52). A list of file titles appears as Appendix 19 in this inventory. The primary subject headings are Accounting (from 1939), Budget, Buildings and Grounds, Committees, Communications (from 1939), Contracts, Cooperation (from 1944), Education, Equipment and Supplies, Forms, Information (from 1924), Inventories, Legal, Map Distribution, Map Production, Meetings, Organization and Management, Personnel (from 1939), Programs and Plans, Public Relations, Records, Reports and Statistics, Reproduction, Research, Security, Topographic Surveys (from 1938), Transportation, and Vehicles. The dates given in parentheses above show the date of the earliest document found in that subject category. Many subjects are further subdivided by project, USGS unit or region, committee, Federal agency, or State. Many files contain documents dating from 1947, but most of the records date from 1953.

Correspondence; memorandums; monthly narrative and statistical reports from Division units; reports on conferences, field trips, and mapping projects; minutes of meetings and reports of interagency committees, boards, and the General Staff Committee; newspaper clippings; press releases; Survey and departmental orders, and other administrative issuances; budget justifications, project authorizations, and other fiscal records; annotated maps; cooperative agreements; congressional bills and documents; and mapping instructions and specifications.

The records concern the administration of topographic survey and mapping programs; budgets and allocation of funds; cooperative projects; organization and management of the Division; mapping techniques and instruments; policies and procedures relating to the compilation, revision, and distribution of maps; and personnel matters.

291. HISTORICAL RECORDS COLLECTION. ca. 1879-1975. 25 ft.

Arranged by type of record or subject. A box list showing most of the series contents is in the first box. Records of a similar type or relating to the same subject are often, but not always, found together.

An eclectic collection of materials that relate to the personnel, programs, and history of the Topographic Division. Included are instructions, technical manuals, brochures, pamphlets, drawings, and photographs concerning aerial photography and apparatus (some items are in German, French, and Italian); newspaper clippings, lists, birth certificates, award citations, memorials, biographies, and other items concerning the appointment, service, and professional accomplishments of the Topographic Division personnel; notes, manuscripts, and correspondence concerning the history of the Division; memorandums, Survey Orders and other administrative issuances, organization charts, correspondence, copies of legislation, summaries of staff meetings and conference, and press releases relating to the organization and operation of the Division and the USGS.

This collection was gathered and maintained by Nell Carico, a member of the Topographic Division staff.

292. FISCAL RECORDS CONCERNING FIELD EXPENSES OF THE GEOGRAPHIC DIVISION. 1887-88. 6 in.

Arranged chronologically (2nd quarter of 1887 and 2nd quarter of 1888) and thereunder by type of document.

Vouchers, abstracts of disbursements, and other related records for salaries, transportation, lodging, equipment, and expenses of field parties—chiefly in California. The records were compiled by James C. Pilling, Special Disbursing Agent.
293. RECORDS OF CAPTAIN WILLIAM O. TUFTS. 1916-19. 2 in.

Arranged in rough chronological order.

Chiefly correspondence, completed forms, vouchers, lists of equipment, and other records relating to Tufts’ service with the 29th Engineers, American Expeditionary Forces, while on military leave from the Division. Tufts’ duties, while stationed in France, included delivering lectures on the interpretation of aerial photographs.

294. REFERENCE FILE. ca. 1917-41. 10 in.

Arranged by subject or type of record. A subject titles list accompanies the records.

Includes principally typescript, processed, and printed copies of articles, reports, and professional papers, but also contains correspondence, minutes of meetings, newsletters, and bulletins of the American Engineering Council, biographies of prominent topographers, congressional documents, and other records concerning mapping programs in the United States and other countries. The records include an author’s edition of a “Report of Geographical Field Work in the Yellowstone National Park,” (in 1878) by Henry Gannett. Of particular interest is a file containing recommendations made by the Board of Surveys and Maps regarding adoption of the Harriman Geographic Code System for the indexing of maps. These papers appear to have been collected by Claude H. Birdseye.

295. RECORDS CONCERNING COLORADO RIVER EXPEDITIONS. ca. 1917-29, 1938. 1 ft.

Arranged by subject. A list of file titles is part of the records.

Chiefly diaries, magazine excerpts, newspaper clippings, reports, press releases, lists of supplies, and other records concerning Claude H. Birdseye’s survey of the Grand Canyon in 1923. Also contains reports, copies of articles, and clippings concerning other Colorado River expeditions; printed brochures and other records relating to Hoover Dam and national parks; and reports, on post cards addressed to the Director of the USGS, made by Amos Burg during his Colorado River trip in 1938.

The early records and annotations to the records were added later by a member of the Division staff.

296. CORRESPONDENCE OF OFFICIALS IN CHARGE OF FIELD SURVEYS. 1918-49. 5 ft.

Arranged alphabetically by surname of official. A list of folder headings appears as Appendix 19 in this inventory. To aid researchers the field-office location of each individual as determined from the file contents is shown on the list. Some individuals were seasonal field personnel before becoming supervisors.

Included are letters received and copies of letters sent, instructions on the conduct of field work, reports on projects, memorandums, telegrams, completed forms showing allotments and balances of funds, annotated quadrangle maps, and photographs.

The records concern the funding and administration of cooperative-mapping projects, including the status of projects and proposed projects; cooperation with Federal, State, territorial, and municipal agencies, particularly the Land Classification Branch, National Park Service, Tennessee Valley Authority, and Public Works Administration;
field-office operations and personnel matters; discussions about types of field equipment; the disposition of field notes, computation books, photographs, and other records created in the course of projects; corrections to quadrangle maps; map symbols and colors; and evaluation of aerial-photographic methods.

This series is particularly valuable for information regarding the establishment of a photogrammetric unit in the USGS [Pendleton file].

297. REPORTS CONCERNING FOREST SERVICE MAPPING PROJECTS. 1934-38. 2 in.

Arranged by national forest as follows: Bitterroot and Nez Perce, Cabinet and Flathead, Cibola, Crook, Gila, Humboldt, Kaniksu and Coeur d'Alene, Lassen, Lincoln, Lolo, and Santa Fe.

Narrative reports, some with maps and photographs, of topographic surveys within selected areas of national forests. The positions of some personnel employed on the surveys were funded by various programs for emergency relief. The surveys were done by personnel of the Maps and Surveys Section of the Forest Service. Of interest is a report titled "Summary of the Field Activities of the Maps and Surveys Section of the Branch of Engineering of the Forest Service, Region 5."

298. SPECIAL MAGAZINE FILE. 1947-53. 4 in.

Arranged alphabetically by name of magazine, publisher, titles of articles, or surname of author.

Correspondence, copies of manuscripts, memorandums, copies of addresses and speeches, and USGS circulars. Chiefly concerning approval of technical articles written by Topographic Division staff members that were intended for publication in magazines and professional journals, and papers to be presented at professional meetings. There are also draft chapters for agency manuals.

The subjects of the papers include photogrammetry and aerial mapping, development of mapping techniques, equipment used for aerial mapping, the uses of topographic mapping to aid in river development and highway construction. There are a few papers by individuals not employed by the USGS.

299. PUBLICATIONS RELATING TO TOPOGRAPHIC SURVEYS AND MAPPING. 1920-55. 56 items. [NWCS, maps and plans]


Original illustrations relating to the Ridgway administrative publication are described in entry 114.

300. TOPOGRAPHIC MAP SPECIFICATION SHEETS. ca. 1955-70. 1.5 ft.

Arranged alphabetically by State or Possession and thereunder alphabetically by project name.
Completed “Specification Sheet for Mapping Project” forms. Information blocks include the project name, State, project number, area, aerial photography, quadrangles, controls, compilation, finishing, and remarks. Not all the blocks are completed on all the forms.

301. RECORDS CONCERNING “THE NATIONAL ATLAS OF THE UNITED STATES.” 1954-71. 7 in.

Arranged by subject, and thereunder chronologically.

Correspondence, memorandums, copies of authorizations, reports, newspaper clippings, press releases, and publications relating to the formulation, development, and publication of the National Atlas. Also includes the minutes of meetings and reports of the National Academy of Sciences' Committee on the National Atlas, 1954-61; and photographic prints of the Atlas project's staff, the completed Atlas, and the presentation of the Atlas to the Secretary of Interior, Rogers C. B. Morton.

The USGS began the National Atlas project in 1962, but had to suspend operations in July 1963 because of reductions in the Department of the Interior's appropriations. Refunded in 1965, the project continued under the guidance of Arch C. Gerlach until the Atlas was published in 1970. William B. Overstreet succeeded Gerlach as director of the project in 1967.


303. UNNUMBERED AND MISCELLANEOUS REPORTS. 1971-82. 4 items. [NWCS, maps and plans]

This series consists of the following items: a metric coordinate reader, with explanatory text; a bound booklet titled “Progress Report on the Cartographic Activities of the United States, January 1, 1977-December 31, 1981,” (for presentation to the XIV Pan American Consultation on Cartography in Santiago, Chile, March 22-April 3, 1982); a copy of Landsat Data Users NOTES, Issue No. 21, January 1982; and 7 maps concerning the “Terrain Analysis of the Lunar Equatorial Belt,” (preliminary report, July 1, 1964).
304. RECORDS CONCERNING COOPERATIVE-MAPPING PROJECTS. 1926-49. 6 ft.

Arranged by project, geographic area, State agency, and other subjects. A list of file titles appears as Appendix 20 in this inventory.

Correspondence, memorandums, reports, instructions, map and instrument specifications, telegrams, annotated maps, tracings, congressional documents, invitation and bid forms, allotment statements and other fiscal records, agreements, and photographs.

The records chiefly concern mapping projects undertaken in cooperation with municipalities, counties, State agencies, Army Corps of Engineers, Bureau of Indian Affairs, National Park Service, Forest Service, Department of Justice, Federal Power Commission, and units of the USGS. Some of the projects were funded with emergency-relief appropriations.

Most of the files are marked 212 and may have once been part of a larger file.

305. RECORDS CONCERNING JOSEPH HYDE PRATT. 1938-41. 2 in.

Arranged in rough chronological order.

Chiefly correspondence and reports relating to Pratt's efforts, as an Engineer Consultant with the Division, to formulate a policy of cooperation between the USGS and State governments to plan, fund, and administer topographic-mapping programs.

306. RECORDS CONCERNING THE CONFERENCES ON INTER-AMERICAN RELATIONS IN THE FIELD OF EDUCATION. 1939. 4 in.

Arranged by type of record.

Reports, speeches, lists of participants, program notes, and other records concerning the four conferences held in October and November 1939. Claude H. Birdseye attended the conferences.
307. RECORDS CONCERNING AERIAL MAPPING. 1927-48. 6 ft.

Arranged by Federal agency, private company, USGS organizational unit, geographic area, or other subjects. A list of file titles appears as Appendix 21 in this inventory.

Correspondence, memorandums, annotated plats and index maps, reports, fiscal records, invitation and bid forms, contracts, photographs, and specifications for photographic equipment and prints.

The records concern mapping programs undertaken in cooperation with, and based on aerial prints furnished by, the military air services, Soil Conservation Service, Forest Service, and other Federal agencies. One folder contains records dating from 1920 documenting the acquisition of aerial photographs from the Army Air Service [later the Army Air Corps]. An act of March 4, 1929 (45 Stat. L., 1595-1596) authorized the USGS to enter into contracts with private companies for aerial photographs. Many records also relate to the design, testing, and operation of aerial-photographic equipment, and concurrent developments in the methods and process of compiling maps from aerial prints.

Many of the files are marked 211 and may have once formed part of a larger file.

308. RECORDS RELATING TO THE AMERICAN SOCIETY OF PHOTOGRAMMETRY. 1925, 1938-41. 5 in.

Arranged by meeting or subject.

Minutes of meetings, programs, correspondence, memorandums, photographs of meetings, drafts of papers, articles, and other printed material concerning photographic instruments and techniques, and related records relating to the annual, semiannual, and Board of Direction meetings of the American Society of Photogrammetry. Also includes records concerning the work of several of the Society’s committees and other subjects. Most of the records date from 1938-40.

Claude H. Birdseye served as President of the Society and on several of its committees.

309. MAPS CONCERNING AERIAL PHOTOGRAPHY IN THE UNITED STATES. 1938, 1947-72. 25 items. [NWCS, aerial photography]

Color-coded index maps showing the areas photographed by government and commercial firms, 1947-72. The 1938 map shows areas photographed by certain types of single-lens and multiple-lens cameras, and quadruple cameras. The maps are accompanied by processed explanatory statements issued by the USGS’s Map Information Office that list the government agencies and commercial firms that maintain collections of aerial photographs, address the uses of index maps of photographs, discuss the availability of aerial photographs, and mention the principal types of photography obtained and used by photographers.

310. INDEXES FOR AERIAL PHOTOGRAPHY. ca. 1935-43. approx. 770 items. [NWCS, aerial photography]

Arranged in three sets - original negatives, 8 in. x 10 in. prints, and 20 in. x 24 in. prints, and thereunder within each set alphabetically by project symbol.
Indexes to aerial-photography projects principally for areas in Arkansas, California, Kansas, Kentucky, Maine, Massachusetts, Michigan, Missouri, New Hampshire, New Mexico, New York, Oregon, Rhode Island, Texas, Vermont, and Wisconsin. Most of the indexes are at scales of 1:20,000, 1:27,000, and 1:43,000.

311. AERIAL PHOTOGRAPHY. ca. 1935-43. 186 film cans. [NWCS, aerial photography]

Arranged on rollfilm by symbol and roll number. A film-can locator is available in the research room. There are also 105-mm positive aerial indexes arranged by entry number as found in Special List 25, “Aerial Records in the National Archives.”

The series related to aerial photography projects principally for areas in Arkansas, California, Kansas, Kentucky, Maine, Massachusetts, Michigan, Missouri, New Hampshire, New Mexico, New York, Oregon, Rhode Island, Texas, Vermont, and Wisconsin. Most of the photography was done at 1:20,000, 1:27,000, and 1:43,000.

312. MAPS SHOWING THE STATUS OF AERIAL PHOTOGRAPHY OF ALASKA. 1946-47. 4 items. [NWCS, maps and plans]

Maps showing the status of vertical and trimetrogon aerial photography of Alaska.

313. STATUS OF AERIAL MOSAICS OF THE UNITED STATES. 1947-73. 7 items. [NWCS, maps and plans]

Color-coded index maps of the United States showing areas for which aerial mosaics have been compiled by or for government agencies or commercial firms. The 1967 and 1973 maps include insets for Alaska, Hawaii, Puerto Rico, and the Virgin Islands.

314. COLOR-IMAGE PHOTOMAP QUADRANGLE MAPS OF UNITED STATES BOUNDARIES AND PORTS OF ENTRY. 1977-83. approx. 250 items. [NWCS, maps and plans]

All the maps are at 1:25,000. The series does not include any maps showing the Alaska-Canadian boundary.
315. TRIANGULATION RECORD BOOKS. ca. 1882-1906. 2 ft. 17 vols.

The first 11 volumes are arranged by subject or geographic area: Appalachian Party, New Mexico, Meridian Lines, Indian Territory (2 vols.), Montana, Black Hills, Atlantic, New York and Maine, Rocky Mountains, and Pacific. The remaining six volumes, which provide nationwide coverage, are arranged by assigned number. Each volume has an alphabetical index to triangulation stations.

The volumes were compiled from field notes and other primary sources. The entries include the geodetic location of triangulation stations, primary triangulation and primary traverse computations, and other observations. The data furnished control for topographic quadrangle maps. The Meridian Lines volume also includes a few drawings showing the location of the stations and ground marks, relative to nearby structures and natural features, that control the meridian line.

The Pacific Triangulation Book includes notes on sites in Alaska and observations made by the “Wheeler Survey.”

316. MICROFILM COPIES OF TOPOGRAPHIC SURVEY FIELD COMPUTATION NOTEBOOKS. 1882-1963. approx. 3750 microfilm rolls. [NWCS, maps and plans]

Arranged in two sets - 35-mm microfilm and 16-mm microfilm. The 35-mm microfilm is arranged numerically by microfilm roll numbers from 1 to 3658, assigned after the microfilm was accessioned by the National Archives, with gaps and additional numbers containing A and B suffixes. Roll numbers from 3594-3598 were used twice. There is a microfilmed list (on roll 3598) of the notebooks copied on rolls 1-1988, covering the period 1882-1947. The list shows, for each notebook, the microfilm number, book number, State, type of survey, observer, and year. No list has been found for the remainder of the rolls. The 16-mm microfilm is arranged by microfilm-roll numbers from C505 to C604, assigned by the USGS. The numbers appearing on the 16-mm microfilm rolls, from C505 to C604, continue one of the 35-mm microfilm lots previously accessioned by the National Archives.

Microfilm copies of topographic-survey notebooks containing field date and office computations relating to triangulation, transit traverse, and leveling. There are notebooks for Haiti (rolls 1960-1966) and Antarctica (roll 3593). Each microfilm roll covers several notebooks, not necessarily concerning the same area or recorded by the same surveyor. The microfilming was done by the USGS in lots with a separate sequence of roll numbers assigned to each lot. An index in the custody of the USGS may refer to the original roll numbers.

The contents of many of the rolls of microfilm deal with vertical and horizontal control are duplicated on the microfiche described in entry 317.

317. MICROFICHE COPIES OF HORIZONTAL AND VERTICAL CONTROL NOTEBOOKS. ca. 1947-73. 35 binders. [NWCS, maps and plans]

Arranged in two sets - horizontal-control notebooks and vertical-control notebooks, and thereunder by notebook number from AH-1 to AH-1319o (binders 1 to 8) and AV-1 to AV-1675c (binders 1 to 14). Chiefly transit traverse and electronic-traverse records. Each notebook is labeled with the State, project (sometimes), quadrangle, type of record, name of observer, and the year the record was made.

Many of the notebooks were also reproduced on the microfilm described in entry 316.
318. STATUS OF VERTICAL AND HORIZONTAL CONTROL IN THE UNITED STATES. 1948, 1952.
3 items. [NWCS, maps and plans]

Two sets of color-coded index maps (1st edition, 1948; 2d edition, 1952) showing the status of vertical control (levels) and horizontal control (triangulation and transit traverse) as reported by the USGS, Coast and Geodetic Survey, and other Federal agencies.
319. RECORDS CONCERNING PUBLIC WORKS TOPOGRAPHIC SURVEY PROJECTS. 1933-41. 10 in.

Arranged by subject.

Chiefly copies of rules and regulations, Executive orders, operating procedures and other processed issuances, memorandums, and correspondence concerning project planning, cooperative programs, appropriations and expenditures, status of projects, employment, and related subjects. The series also contains completed forms—“Project Report for Planning of Federal Construction and Repairs” (one set for each State including Alaska, Puerto Rico, and Washington, D.C.)—that outline a 6-year national mapping program (1938-43).

The projects were funded initially by the Emergency Relief Appropriation Act of April 8, 1935 (49 Stat. L., 115).

320. RECORDS CONCERNING TEMPORARY APPOINTMENTS. 1933-40. 5 in.

Arranged by name of appointee in two alphabetical sequences: one for appointees in South Carolina, and the second for all other appointees.

Copies of notifications of appointment, efficiency reports by supervisors, and internal memorandums concerning appointments and temporary personnel. The central office and field positions were funded by emergency-relief appropriations.

321. WEEKLY REPORTS CONCERNING TEMPORARY APPOINTMENTS. 1933-43. 5 in.

Arranged chronologically.

Tabular reports concerning changes in the number of appointments to temporary positions with the Division that were funded by the Public Works Administration.
322. MANUSCRIPT QUADRANGLE MAPS. ca. 1889-1945. approx. 62,000 items. [NWCS, maps and plans]

Arranged alphabetically by name of quadrangle.

Included are planetable sheets, metal mounts, annotated advance sheets, and corrected published quadrangle maps, often with the name of the editor and date of changes. Some of the manuscript maps are labeled “original drawing.”

323. MANUSCRIPT UNITED STATES BASE MAPS. ca. 1899-1914. approx. 80 items. [NWCS, maps and plans]

Contour and shaded-relief planetable sheets and tracings. Some are signed by William O. Tufts.

324. MANUSCRIPT STATE BASE MAPS. ca. 1902-24. approx. 60 items. [NWCS, maps and plans]

Arranged in two sets - numbered maps and maps arranged alphabetically by State.

The series consists of planetable sheets and tracings drawn to show drainage areas, contour intervals, and shaded relief. Some of the manuscripts were done by Gilbert Thompson and John H. Renshawe.

325. BOUNDARY INFORMATION MAP FILES. ca. 1853, 1889-1914. approx. 180 items. [NWCS, maps and plans]

Most of the maps are in bound sets. Areas covered are the international boundary between the United States and Canada from the Strait of Georgia to the Atlantic Ocean, the international boundary between the United States and Canada from Cape Muzon to Mount St. Elias, and the international boundary between the United States and Mexico. Also included is a copy of a map based on surveys made by Capt. William H. Emory in 1853 of the boundary between the United States and Mexico, accompanied by several loose maps showing that same boundary area dated 1889-1914.

326. TRIANGULATION-CONTROL PLANETABLE SHEETS. ca. 1887-1929. approx. 1150 items. (NWCS, maps and plans)

Arranged numerically from 1 to 1144.

Many of the sheets are metal mounts. Some of the sheets are annotated with the quadrangle name, scale, name of compiling topographer, and date.

327. PLANETABLE SHEETS OF COUNTY SURVEYS. 1888, 1906-21. approx 280 items. [NWCS, maps and plans]

Arranged by State, not alphabetically, and thereunder by county.

The series consists of planetable sheets and tracings for counties in the States of Alabama, Florida, Georgia, Hawaii, Louisiana, Mississippi, North Carolina, Pennsylvania, South Carolina, Texas, and Virginia. Many of the
sheets for counties in the southeastern United States, Mississippi, and Texas were compiled as part of soil surveys. The 1888 sheets are for areas in Texas.

328. PLANETABLE SHEETS OF THE CUSTER BATTLEFIELD NATIONAL CEMETERY. ca. 1891. 2 items. [NWCS, maps and plans]

The maps show the location of the cemetery and the approximate positions of troop commands at the Battle of the Little Big Horn in Montana Territory in 1876.

329. MISCELLANEOUS PLANETABLE SHEETS. 1896-1921. 44 items. [NWCS, maps and plans]

The records consist of 16 sheets showing a survey of Oahu Island, Hawaii, by the Army Corps of Engineers in 1913; 4 sheets of the Idaho National Forest, ca. 1921; 6 undated and untitled sheets showing parts of Clallam and Jefferson Counties, Washington; and 18 sheets showing primary traverses in Tennessee, 1896.

330. PLANETABLE SHEETS OF MINING DISTRICTS. ca. 1907-8. 50 items. [NWCS, maps and plans]

The records concern the Virgilina Copper District in Virginia and North Carolina, and the Gold Hill Mining District in North Carolina.

331. PLANETABLE SHEETS OF THE VIRGILINA [NORTH CAROLINA-VIRGINIA] SPECIAL SHEET. 1908-9. 24 items. [NWCS, maps and plans]

The scale is 1:24,000

332. SURVEYS OF MILITARY FORTS. ca. 1911-18. 90 items. [NWCS, maps and plans]

Included are planetable sheets showing surveys of Mulberry Island, Virginia (part of Camp Abraham Eustis), and Camp Bragg, North Carolina; a blueprint map of Fort Monroe, Virginia, and vicinity; manuscript sheets showing Fort Hancock, Georgia; an annotated published map of the Fort Omaha Balloon Field; and five envelopes containing completed printed note sheets that record information about the location and condition of wagon bridges, railway stations, railway bridges, roads, and aviation fields in the vicinity of Fort Omaha.

333. MAPS OF THE IDAHO-MONTANA BOUNDARY. n.d. 7 items. [NWCS, maps and plans]

Six manuscript maps and one tracing showing the entire boundary.

334. MOUNTED MANUSCRIPT CONTOUR MAPS OF THE WASHINGTON-IDAHO BOUNDARY LINE. ca. 1911. 1 item. [NWCS, maps and plans]

The map was published as part of USGS Bulletin 466, “Retracement of the Boundary Line Between Idaho and Washington from the junction of Snake and Clearwater Rivers Northward to the International Boundary” (by Robert B. Marshall, 1911).
335. MANUSCRIPT CONTOUR MAPS OF PYRAMID LAKE AND VICINITY, NEVADA. ca. 1912. 33 items. [NWCS, maps and plans]

336. METAL-MOUNT RELIEF MAPS. ca. 1913-23. 15 items. [NWCS, maps and plans]

Colored relief maps of the following areas - Lock Haven, Pennsylvania, San Francisco, California, Cleveland to New York City, the District of Columbia with portions of adjacent Virginia and Maryland, New York City and vicinity, Rocky Mountain National Park, Seven Devils, Idaho, Grand Canyon National Park, Glacier Peak National Park, Mesa Verde National Park, Mount Rainier National Park, and Yosemite National Park. Some of the maps are labeled J[ohn]. H. Renshawe and some are dated.

337. SHADED-RELIEF METAL BASE MAPS. ca. 1914-25. 13 items. [NWCS, maps and plans]

Included are maps of Yellowstone National Park; Kentucky, New Mexico, New York and Long Island, central North Carolina, Ohio, and West Virginia; and irrigated areas in northern California.

338. MANUSCRIPT CONTOUR MAP OF BENNETTS WELL, CALIFORNIA. n.d. 2 items. [NWCS, maps and plans]

The map’s scale is 1:40,000 and it is accompanied by a photographic overlay.

339. METAL-MOUNT FIELD SHEETS. ca. 1942-57. 231 bundles. [NWCS, maps and plans]

Each bundle is labeled with the State and thereunder the areas or quadrangle names of the enclosed sheets.

340. PHOTOGRAMMETRIC COMPILATION SHEETS. ca. 1942-54. approx. 6,000 items. [NWCS, maps and plans]

Arranged by State and thereunder by sheet title.

Each sheet is stamped with a task record showing dates and names of individuals making corrections, control checks, stereo compilations, and related operations. Sheets for Puerto Rico and the Virgin Islands are at the end of the series.

341. ANNOTATED QUADRANGLE MAPS. ca. 1976-90. approx. 15,000 items. [NWCS, maps and plans]

Arranged in sets by State.

Published 7.5-minute topographic quadrangle maps annotated with names of geographic features; historic sites and ruins; ponds, lakes, reservoirs, dams, ditches, and canals; towns and schools; and other subjects. The annotated maps were used in the Phase II compilation of the National Geographic Names Data Base.

The series includes annotated maps for Washington, D.C., American Samoa, Guam, and the Virgin Islands.
342. SPECIAL TOPOGRAPHIC MAP SERIES. 1865, 1886-1983. approx. 930 items. (NWCS, maps and plans)

Arranged alphabetically by subject or map title. Oversized maps are filed separately. See appendix 22 in this inventory for a list of the series contents.

Included are shaded-relief, panoramic, and land-classification maps. Areas covered included those administered by the National Park Service, mining districts, national forests, cities and counties, military camps and forts, experimental farms, naval petroleum reserves, and prison sites. The 1865 item is a map of Yosemite Valley; a notation on the map states that it was drawn by “J[ames]. T. G[ardiner].”

Most special topographic maps relating to Alaska and Hawaii are in separate series.

343. MICROFILM COPY OF HISTORIC REFERENCE FILE OF TOPOGRAPHIC QUADRANGLE MAPS. 1884-1977. 260 rolls. [NWCS, maps and plans]

The 35-mm microfilm is arranged in two sets: maps dated 1884-1972 are on rolls 1 to 193, and maps dated 1973-77 are on rolls 194 to 260. Notes filed with the microfilm indicate that the National Cartographic Information Center has computer-sorted catalogs designed to be used with this microfilm.

344. “ATLAS OF MASSACHUSETTS.” 1884-90. 1 vol. [NWCS, maps and plans]

A bound set of maps at 1:62,500 plus an index map compiled by the USGS in cooperation with the Topographical Survey Commission of the Commonwealth of Massachusetts. A cover page states that the set consists of 54 maps. Only 50 maps were found at the time this inventory was compiled.

345. “TOPOGRAPHIC ATLAS OF THE UNITED STATES: PHYSIOGRAPHIC TYPES.” 1900. 1 vol. [NWCS, maps and plans]

A set of folio maps and descriptive text, compiled by Henry Gannett, describing a coast swamp, a graded river, an overloaded stream, appalachian ridges, ozark ridges, ozark plateaus, hogbacks, volcanic peaks, plateaus and necks, alluvial cones, and a crater. The map scales vary.

346. “PHYSICAL GEOGRAPHY OF THE TEXAS REGION.” 1900. 1 vol. [NWCS, maps and plans]

The maps, compiled by Robert T. Hill, are part of a series - “Topographic Atlas of the United States.” The maps are preceded by descriptive text. The atlas contains illustrations of topographic forms, types of mountains, plains and scarps, rivers and canyons; and a map of Texas and adjacent Territories.

347. PROGRESS MAPS. 1888, 1917, 1934. 4 items. [NWCS, maps and plans]

Arranged as described below.
A negative photostatic copy of an index map showing the areas covered by aerial mapping in southwestern Louisiana in 1934; a color-coded map, dated 1888, of the United States showing locations of topographic surveys of interior areas and the coastline, triangulation work done by the USGS and the U.S. Coast and Geodetic Survey (USC&GS), and the location of astronomic stations for the USGS and the USC&GS; an index map, dated 1917, showing areas covered by topographic mapping (including insets for Alaska and the Sacramento and San Joaquin Valleys of California) west of the 97th Meridian; and a second index map, dated 1917, showing topographic and geologic surveys in that part of the United States lying east of the 97th Meridian.

348. “LAND FORMS OF THE UNITED STATES.” ca. 1891. 14 items. [NWCS, maps and plans]

A stapled 14-page set of sample quadrangle maps showing landforms designated as: youth, maturity, old age, rejuvenated region, young volcanic mountain, moraines, drumlins, river flood plains, a fiord coast, and barrier-beach coast. The contour intervals vary from map to map. Four pages of explanatory text precede the maps.

349. MAP SHOWING AREAS TRAVERSED BY THE DEATH VALLEY EXPEDITION. 1892. 1 item. [NWCS, maps and plans]

A printed map showing parts of California, Nevada, Arizona, and Utah traversed by a Division of Economic Ornithology and Mammalogy (later the Bureau of Biological Survey) party under the direction, successively, of Theodore S. Palmer and C. Hart Merriam in 1891. The map, which shows captioned topographic features, was compiled by Charles H. Fitch, a topographer with the USGS.

350. MAPS OF THE UNITED STATES. 1899. 2 items. [NWCS, maps and plans]

A relief map and a contour map of the continental United States compiled by Henry Gannett. Both are September 1899 reprints of the edition of December 1896.

351. PUBLISHED STATE MAPS. 1889-1990. approx. 840 items. [NWCS, maps and plans]

Arranged alphabetically by State. Oversized maps are filed separately.

Topographic, relief, geologic, and index maps. Some of the maps are in sections. There are maps dated before 1900 for Connecticut, Massachusetts, and Oklahoma (Indian Territory). About one-third of the maps are oversized. There are maps for Tutuila Island and the Manua Islands, American Samoa, at the end of the oversized segment.

352. PUBLISHED COUNTY TOPOGRAPHIC MAPS. 1902-95. approx. 540 items. [NWCS, maps and plans]

Arranged alphabetically by State, Arkansas, California, Colorado, Connecticut, Illinois, Iowa, Kansas, Kentucky, Maryland, Michigan, Minnesota, Missouri, New Mexico, Ohio, Pennsylvania, Utah, Virginia, Washington, Wisconsin, and West Virginia, and thereunder by county.

Most of the maps are at 1:50,000 and 1:100,000. The earliest maps are Jefferson County, Kentucky, 1912; Topography of Election Districts, Maryland, 1902; and Muskingum County, Ohio, 1912.

There are also oversized maps for counties in the States of California, Connecticut, Pennsylvania, and Virginia.
353. MAP OF CADDO COUNTY, OKLAHOMA. 1903. 2 items. [NWCS, maps and plans]

A topographic map in two sections showing locations of lands reserved for various school purposes, locations of lands reserved for various Indian purposes, and locations of proposed and completed bridges.

354. PUBLISHED METROPOLITAN AREA MAPS. 1885-1974. approx. 170 items. [NWCS, maps and plans]

Arranged alphabetically. The oversized maps are filed separately.

Included are aerial maps and topographic-atlas sheets. There are maps dated before 1904 for Boston, Pittsburgh, New York, St. Louis, and Washington, D.C. Some of the maps were compiled by city agencies. A few of the maps are in sections. Almost half of this series consists of oversized maps.

355. MAPS SHOWING MAJOR PHYSIOGRAPHIC PROVINCES AND REGIONS OF THE UNITED STATES. 1916-46. 4 items. [NWCS, maps and plans]

Printed maps showing physiographic divisions (1919, 1946) and provinces (1916, 1941) of the United States. Division and province outlines and names were suggested by the Association of American Geographers.

356. “MAP OF MILITARY ACTIVITIES.” 1918. 1 item. [NWCS, maps and plans]

A printed map of the contiguous United States showing military department boundaries and locations of military installations, including posts, depots, hospitals, schools, aviation fields, and chemical-warfare sites. The map was compiled by “A[cheson] F. Hassan, Captain, Engineers.”

357. “SPECIAL REPRINT OF THE CITY PORTION OF THE MAP OF WASHINGTON, D.C., AND VICINITY.” 1918. 1 item. [NWCS, maps and plans]

A map bearing printed annotations chiefly showing the locations of Federal and District government agencies; but also labeling recreation fields, parks, and municipal bathing pools; headquarters of service organizations; steamboat wharves; electric-railroad stations; and other sites. The map was part of a brochure that was produced for the Conference on the Limitation of Armaments, November 11, 1921. A copy of the brochure is with the records described in entry 114.

358. TOPOGRAPHIC MAPS OF THE REPUBLIC OF HAITI AND THE DOMINICAN REPUBLIC. ca. 1919-20. 25 items. [NWCS, maps and plans]

Arranged by county and thereunder by geographic area or quadrangle.

The series consists of printed maps in Spanish (Dominican Republic) and French (Haiti).
359. **STATUS OF TOPOGRAPHIC MAPPING AND INDEX OF QUADRANGLE MAPS.** 1922-78. 1 vol. and 40 items. [NWCS, maps and plans]

   Arranged in rough alphabetical order by State. Some States are grouped together regionally.

   Included are maps concerning the status of orthophotoquad, topographic, and intermediate mapping; a bound set of topographic-quadrangle-map indexes (1937); index maps and 7.5 sheets, for the San Joaquin Valley, California, 1914; and a map titled “Status of Topographic Mapping in the United States,” accompanied by a handwritten note stating that “this map shows defense zone as described by War Department, September 2, 1942.”

360. **PLANNING MAPS.** ca. 1934. 2 items. [NWCS, maps and plans]

   Two base maps titled “Administrative Planning Map of the United States,” undated, and “Proposed Plan for Completion of Topographic Mapping of the United States,” 1934. Both maps show 15-minute-quadrangle subdivisions and include inserts for Alaska, Hawaii, the Philippine Islands, the Canal Zone, Puerto Rico, and the Virgin Islands.

361. **PUBLISHED MAPS OF THE UNITED STATES.** ca. 1890-1987. approx. 150 items. [NWCS, maps and plans]

   The series includes base, outline, relief, and contour maps at scales from 1:10,000,000 to 1:2,500,000. Also included are a map of the southeastern United States prepared for the Tennessee Valley Authority (1:1,000,000), and a map showing the physical divisions of the United States (1:7,000,000).

   Many of the maps in this series are oversized. Included among the oversized maps is a relief map by John H. Renshawe dated 1920 (1:3,168,000).

362. **MAPS OF AREAS ADMINISTERED BY THE NATIONAL PARK SERVICE.** 1939-93. 12 items. [NWCS, maps and plans]

   Topographic and relief maps of national parks, a national monument, and a national recreation area.

363. **“MOUNT HOOD AND VICINITY, OREGON-WASHINGTON.”** 1984. 1 item. [NWCS, maps and plans]

   A contour map at 1:100,000.

364. **MAP SHOWING THE NATIONAL WILDERNESS RESERVATION SYSTEM.** 1987. 2 items. [NWCS, maps and plans]

   Two copies of a map of the United States showing areas designated as part of the National Wilderness Reservation System. A map of Alaska is on the reverse.

365. **MAP OF ISLE ROYALE NATIONAL PARK, MICHIGAN.** 1987. 1 item. [NWCS, maps and plans]

   The scale is 1:62,500. This map is oversized.
366. MAP OF THE NATIONAL WILD AND SCENIC RIVER SYSTEM. 1990. 1 item. [NWCS, maps and plans]

A map of the United States showing segments of rivers classified as wild, scenic, or recreational. On the reverse is a map of Alaska.

367. PUBLISHED MAP OF INDIAN LAND AREAS. 1992. 1 item. [NWCS, maps and plans]

The map shows the boundaries of Federal Indian Reservations, locations of State reservations, and boundaries of Alaskan Regional Corporations.

368. “SPECIAL DEDICATION ISSUE, VIENNA QUADRANGLE, VIRGINIA.” July 12, 1974. 1 item. [NWCS, maps and plans]

A 7.5-minute topographic map bordered by photographs illustrating USGS mission areas.

369. INDEXES TO PUBLISHED QUADRANGLE MAPS. ca. 1911-89. 890 items. [NWCS, maps and plans]

Arranged in three sets - new editions, old editions, and folded indexes, and thereunder in alphabetical order by State within each set.

The new edition indexes, labeled “current” on the drawers, are dated about 1976 to 1989 and include indexes for Antarctica and the United States. The old edition indexes are dated about 1916 to 1979 and include indexes for Antarctica, Puerto Rico, the Virgin Islands, and the United States. The folded indexes, in the last drawer, are dated about 1916 to 1982, and also include indexes for Antarctica.

370. PUBLISHED INTERNATIONAL MAP OF THE WORLD TOPOGRAPHIC SHEETS. 1912-76. 110 items. [NWCS, maps and plans]

Arranged alphabetically by name of sheet.

Many of the maps bear the statement “this map follows the sheet lines and numbering system of the International Map of the World, but does not conform to the specifications for the series in all respects.” Indexes to topographic maps of the United States published at 1:1,000,000 are in the first drawer.

371. INDEXES TO TOPOGRAPHIC AND OTHER MAPS. ca. 1980-95. 119 items. [NWCS, maps and plans]

Arranged alphabetically by State. These maps are folded and stored in boxes. State map lists are at the end of the series.

372. PUBLISHED 1:250,000-SCALE QUADRANGLE MAPS. ca. 1889-1989. approx. 2000 items. [NWCS, maps and plans]

Arranged alphabetically by State and thereunder alphabetically by name of quadrangle.
373. PUBLISHED 1:250,000-SCALE QUADRANGLE MAPS OF CANADA. ca. 1954-66. 12 items. [NWCS, maps and plans]

Arranged alphabetically by sheet name.

374. PUBLISHED 1:125,000-SCALE QUADRANGLE MAPS. ca. 1886-1949. approx. 2100 items. [NWCS, maps and plans]

Arranged alphabetically by State and thereunder by name of quadrangle.

375. PUBLISHED 1:100,000-SCALE QUADRANGLE MAPS. ca. 1974-94. approx. 2000 items. [NWCS, maps and plans]

Arranged alphabetically by State and thereunder by name of quadrangle.

376. PUBLISHED 1:63,360-SCALE QUADRANGLE MAPS OF ALASKA. ca. 1948-94. approx. 2800 items. [NWCS, maps and plans]

Arranged alphabetically by quadrangle name.

377. PUBLISHED 1:62,500-SCALE QUADRANGLE MAPS. ca. 1888-1967. approx. 15,000 items. [NWCS, maps and plans]

Arranged alphabetically by State and thereunder alphabetically by quadrangle name.

378. PUBLISHED 1:48,000-SCALE QUADRANGLE MAPS. ca. 1906-50. approx. 40 items. [NWCS, maps and plans]

Arranged alphabetically by State and thereunder alphabetically by quadrangle name.

This series includes 1 oversized item.

379. PUBLISHED 1:31,680-SCALE QUADRANGLE MAPS. ca. 1908-49. approx. 1825 items. [NWCS, maps and plans]

Arranged alphabetically by State and thereunder alphabetically by quadrangle name.

380. PUBLISHED 1:24,000-SCALE QUADRANGLE MAPS. ca. 1908-94. approx. 102,000 items. [NWCS, maps and plans]

Arranged alphabetically by State and thereunder alphabetically by quadrangle name.

Most of the maps date from about 1930. Some of the maps are provisional editions.
381. Published 1:24,000-scale quadrangle maps of Guam and the Virgin Islands. 1954-82. 40 items. [NWCS, maps and plans]

Arranged by island group and thereunder alphabetically by quadrangle name.

382. Oversized published 1:24,000-scale quadrangle maps. 1949-92. 17 items. [NWCS, maps and plans]

Arranged as follows - Juneau and vicinity, Alaska; Del Mar, Imperial Beach, Imperial Beach-Baja California Norte (experimental edition), La Jolla, and Oxnard, California; Wilson, Florida; and Mentor, Ohio.

383. Published 1:25,000-metric-scale quadrangle maps. ca. 1978-93. approx. 260 items. [NWCS, maps and plans]

Arranged alphabetically by State and thereunder alphabetically by quadrangle name.

The States covered in the series are - Alaska, California, Hawaii, Massachusetts, Michigan, Nevada, New Hampshire, New York, Rhode Island, South Dakota, Vermont, and Washington.

384. Topographic and relief maps of Hawaii. ca. 1910-57. 22 items. [NWCS, maps and plans]

All the maps are at 1:62,500. Some of the editions were reprinted at a later date.

385. Topographic quadrangle maps of South Carolina. 1918-19. 34 items. [NWCS, maps and plans]

All the maps are at 1:21,120. A few are reprints of the editions of 1918 and 1919.

386. Topographic maps of Puerto Rico. 1935-82. 377 items. [NWCS, maps and plans]

Arranged roughly by scale and thereunder alphabetically by name of quadrangle.

387. Topographic map of the island of Guam. 1953. 1 item. [NWCS, maps and plans]

The map is at 1:62,500.

388. Topographic maps of American Samoa. 1963. 3 items. [NWCS, maps and plans]

The maps show Tutuila and Manua Islands at 1:24,000.
389. MAP OF THE “TRUST TERRITORY OF THE PACIFIC ISLANDS.” 1973. 1 item. [NWCS, maps and plans]

The map is at 1:4,000,000. There are insets for islands, island groups, and atolls.

390. STATUS OF TOPOGRAPHIC MAPPING OUTSIDE THE CONTINENTAL UNITED STATES. 1957. 3 items. [NWCS, maps and plans]

The areas shown are Alaska, Hawaii, Wake, Midway, American Samoa, Guam, the Canal Zone, Puerto Rico, and the Virgin Islands.

391. MAPS OF AN ARCTICA. ca. 1956-93. 174 items. [NWCS, maps and plans]

A series of reconnaissance maps, dated 1959-88, at 1:250,000, forms the largest part of this series. There is also a set of maps, dated 1956-60, at 1:500,000, showing the Australian and African quadrants of Antarctica. Other items consist of topographic maps, satellite-image maps, and photomaps.

392. AN ARCTIC SKETCH MAPS. ca. 1960-67. 35 items. [NWCS, maps and plans]

The scale is 1:500,000. The maps were compiled in cooperation with the National Science Foundation in support of scientific activities of the U.S. Antarctic Research Program.

393. SATELLITE-IMAGE MAPS. 1972-94. 57 items. [NWCS, maps and plans]

The regular sized maps are arranged as follows: Pakistan, ca. 1992; Antarctica, 1973-92; and the United States, 1972-94. The last group includes maps showing the conterminous United States, vegetation types, biodiversity management status, Central United States earthquakes, 1974-91, and Bay Area earthquakes, 1972-89. The oversized maps, which are filed separately, show McMurdo Dry Valleys, Antarctica; the Washington D.C. area; and a satellite-image mosaic map of Florida.

Some of the maps were produced with an experimental-printing technique that consisted of a silver-ink overprint of feature names.

394. RADAR IMAGE MAPS OF UGASHIK, ALASKA. 1980. 12 items. [NWCS, maps and plans]

Consisting of radar-image, radar-image-mosaic, and radar-stereo maps, and maps done under contract using “Synthetic Aperture Radar Imagery (SAR System).”

395. RECORDS CONCERNING AND USING MAP PROJECTIONS. 1982-94. 2 volumes and 1 item. [NWCS, maps and plans]

396. LAND-USE AND LAND-USE COVER MAPS. 1969-83. approx. 230 items. [NWCS, maps and plans]

Arranged numerically from L-1 to L-203. An index accompanies the maps.

The maps show urban or built-up land, agricultural land, rangeland, forest land, water, wetland, barren land, tundra, and perennial snow and ice. Some of the maps are folded.

397. VEGETATION AND LAND-COVER MAPS. 1987. 7 items. [NWCS, maps and plans]

The maps are numbered from L-205 to L-211. These maps are folded.

398. RECORDS RELATING TO DIGITAL-CARTOGRAPHIC DATA FILES. 1985-87. 3 vols. [NWCS, maps and plans]

The volumes are titled “Digital Line Graphs from 1:1,000,000-Scale Maps,” and “Digital Line Graphs from 1:2,000,000-Scale Maps.”

399. SPECIAL-PROJECTS MAPS. ca. 1994. 2 items. [NWCS, maps and plans]

The series consists of a color-coded map, titled “Ground Shaking in San Francisco,” showing the relative shaking hazard to buildings of varying heights built on different rock types; and a map titled “Alaska National Interest Lands, Conservation Act, December 2, 1980, P.L. 96-487,” that shows boundaries of areas administered as part of the National Wildlife Refuge System, National Park System, Bureau of Land Management System, National Wild and Scenic Rivers System, and National Forest System.
**General Photographs, ca. 1880-1900**

400. JOSEPH HENRY WHEAT ALBUM OF MISCELLANEOUS VIEWS. ca. 1880-1900. 1 album. 1.5 in.

Arranged by NARA-assigned number. This is series MA (NWCS, still pictures).

Mounted photographs that vary in size from 8 in. x 6 in. to 10 in. x 13 in., and chiefly showing streams, farms, cities, and towns; a few depict industrial infrastructure in North Carolina and Tennessee. Also included are views of sites in Yellowstone National Park. A few of the photographs are captioned and dated.

A few of the photographs are duplicated in series PS (entry 87).

The photographs were collected by Joseph H. Wheat, a topographer with the USGS, and given to Claude H. Birdseye, USGS Chief Topographic Engineer (1919-29), for the agency’s permanent files.

The photographic records described in entries 401 to 403 concern Robert B. Stanton’s survey of the Colorado River in 1889 and 1890. Stanton, acting Chief Engineer of the Denver, Colorado Canyon, and Pacific Railroad, conducted a survey of the Colorado River for the purpose of establishing a railway route from coal fields in Colorado to the Pacific Coast. Many of the photographs were entered as Exhibit No. 176 in the case of the United States vs. Utah (284 US 534). An original copy of the diary Stanton compiled during the trip is in the New York Public Library. It contains some information about the locations where some of the photographs were taken. Many original photographic items from the “Stanton Survey” were donated to the USGS for Claude H. Birdseye’s use in planning an expedition down the Grand Canyon in 1923. The records described in entry 295 concern Birdseye’s survey of the Colorado River.

401. GLASS NEGATIVES. 1889-90. 11 items. 1 in.

Arranged by NARA-assigned number. This is series RSA (NWCS, still pictures).

Copies of lithographic views (8 in. x 10 in.) of the Colorado River, a copy of a sketch showing the steamboat *U.S. Explorer* (Ives Expedition, 1857-58), and portraits of John Hislop, Assistant Engineer, and Frank M. Brown, President of the Denver, Colorado Canyon, and Pacific Railroad Company.

402. PAPER NEGATIVES AND CORRESPONDING CONTACT PRINTS. 1889-90. 2 in.

Arranged by record format and thereunder by NARA-assigned number. The images are not captioned or dated. This is series RSB (NWCS, still pictures).

The images show views of the Colorado and Green Rivers, natural rock formations, and members of the survey party on the trail and in camp.

403. PHOTOGRAPHIC PRINTS AND CORRESPONDING ORIGINAL NEGATIVES. 1889-90. 7 albums and negatives. 3 ft.

Arranged by record format and thereunder by agency assigned number. Some prints have captions. This is series RS (NWCS, still pictures).
Mounted 7.5 in. x 5.5 in. prints showing the Colorado and Green Rivers, El Dorado Canyon, the Cottonwood and Mojave Valleys, natural rock formations, plant and animal life, members of the survey party, camp sites, the Daniel Bonelli family, Fort Mojave, Arizona, U.S. Cavalry troopers, and Indians.

The photographs were taken by Stanton and Franklin A. Nims.
404. MOTION-PICTURE FILMS RELATING TO TOPOGRAPHY AND MAPPING. 1947-74. 16 reels.

Arranged by item number. The film is in the custody of NWCS, motion pictures.

The fifteen films are titled: Mapping the Earth’s Surface (1969); Earth Resources, Mission 73; The Tellurometer, A Microwave System of Precise Distance Measurement; Topographical Mapping by Photogrammetric Methods [2 films carry this title]; Negative Scribing for Map Reproduction, A Training Film; Precise Leveling for Topographic Mapping; An Introduction to Photo Interpretation for the Discovery and Evaluation or Natural Resources; Preparation of Topographic Manuscripts for Reproduction, A Training Film (ca. 1951); Supplemental Control for Topographic Mapping, A Training Film (ca. 1952); Transit Traverse for Topographic Mapping, A Training Film (ca. 1950); Leveling for Topographic Mapping, A Training Film (ca. 1950); Triangulation for Topographic Mapping, A Training Film; What on Earth, #5 Maps for Man (1974); and Global Concepts in Maps (1947). When determined the copyright date appears in parenthesis after the film title. All the films are in color and include a sound track. The first film is on two reels. The remaining films are one reel each.
The Plans and Coordination Division (later Branch) was established as a staff unit in the Topographic Branch as part of a reorganization in 1946. The Branch was composed of four sections - Map Information Office, Estimates and Plans, Production Control, and Liaison and Coordination. The Branch had general responsibility for budget estimates, planning for mapping programs, production schedules, liaison with Federal and State officials on mapping matters, and coordination of operations with the Topographic Branch.

405. ADMINISTRATIVE FILES. 1942-60. 8 ft.

Arranged by subject, and thereunder in rough chronological order. Similar subject headings appear in several places. Most of the files are clamped together. Oversize items and bound reports are inserted between the files. A list of file titles appears as Appendix 23 in this inventory.

Letters sent, letters received, memorandums, narrative and statistical reports, budget justifications and other fiscal records, transcripts of meetings and conferences, press and radio releases, contract and bid forms, regulations, technical memos of instruction, departmental orders, personnel bulletins and other administrative issuances, maps, and congressional documents.

The records concern cooperation with other units of the USGS, departmental committees, and Federal agencies, and States; coordination and management of USGS mapping projects; and allocation of resources for long-term and special projects.
In 1919 Executive Order 3206 created the Federal Board of Surveys and Maps, composed of one representative each of 14 Federal Agencies and commissions, to coordinate the making of maps, standardize results, and avoid unnecessary duplication of work. The Board was instructed to create a central information office in the USGS to collect, classify, and furnish to the public information concerning all map and survey data available from Federal and other sources. The Topographic Division established a Map Information Office (MIO) to conduct these operations. Four other Federal agencies and 23 nonfederal organizations were added to the Board before it was abolished in 1942 by Executive Order 9094 and most of its functions transferred to the Bureau of the Budget. In 1945 the Branch reorganized the MIO to continue the central-information function. In 1974, the National Cartographic Information Center succeeded the MIO and continued to act as an interagency center to facilitate access to the cartographic holdings of Federal, State, and county government agencies, and those of private organizations.

406. RECORDS CONCERNING NATIONAL MAPPING PLANS. 1934-36. 5 in.

Arranged by subject.

Correspondence, minutes of meetings of the Federal Board of Surveys and Maps and its Special Committee on Map Planning (1934), memorandums, press releases and other processed issuances, magazine and newspaper clippings, questionnaires to and responses from Federal and State agencies and professional organizations regarding current mapping projects and anticipated mapping needs, draft reports of the Special Committee, and other records concerning national mapping programs.

Most of the records concern the Special Committee on Map Planning (1934), which formulated a 10-year national mapping plan; the Special Committee on the National Mapping Plan of 1936, established pursuant to Senate Resolution 281, 74th Congress, to prepare a revision of the 1934 national mapping plan; the Pendleton Plan; and a mapping program sponsored by the American Engineering Council.

Claude H. Birdseye, as Chief of the Division (1919-29), represented the USGS on the Federal Board of Surveys and Maps, and served as Chairman of the 1934 and 1936 Special Committees.

407. THE NATIONAL CARTOGRAPHIC INFORMATION CENTER NEWSLETTER, 1975-78. 11 items. [NWCS, maps and plans]

The newsletter is a technical publication intended to inform the cartographic community about the activities of the National Cartographic Information Center.
In 1906 the USGS changed the name of its Hydrographic Branch to the Water Resources Branch. The Branch continued to be supervised by a Chief Hydrographer, who administered three major divisions—Hydrographic, Hydrologic, and Hydro-Economic. In 1907 the Hydrographic Division became the Surface Water Division, the eastern and western sections of the Hydrologic Division were merged as the Ground Water Division, and the Hydro-Economic Division was renamed the Quality of Water Division. Under these names the three divisions conducted thereafter the major long-term work of the Branch. Between 1913 and 1963 the Water Resources Branch was led by a Chief Hydraulic Engineer In 1963 the title was changed to Chief Hydrologist. The Branch was renamed a Division in 1949 and its divisions became branches.

Other functions were given organizational-unit status within the Water Resources Branch. After the passage of an act of February 19, 1909 (35 Stat. L., 639), to provide for enlarged homesteads, and an act of December 29, 1916 (39 Stat. L., 862), to provide for stock-raising homesteads, Branch personnel made field classifications of areas of the public lands that were or might be applied for under the laws and reported their findings to the USGS Land Classification Board. In 1925 the Water Resources Branch’s Division of Land Classification Investigations, the Land Classification Branch (restyled in 1922), and the mineral-leasing and related regulatory functions received from the Bureau of Mines were joined to form the Conservation Branch.

The establishment and functions of the Divisions of Power Resources and Water Utilization are described with the records of those units.

In 1948 the Water Resources Branch was reorganized. The Water Utilization Division was renamed the Technical Control Division and a Program Control Division was established as a second staff unit to handle increased administrative demands in the Central Office. The Program Control Division included Interagency, Field Relations, and Fiscal Control Sections.

The growth of separate field organizations for each of the operating Branches in the Water Resources Division prompted the creation of Water Resources Councils in 1949. The Councils, established in all States or geographic regions where they linked two or more district offices, coordinated the Division’s field programs and facilitated the cooperative programs with States and local agencies. In the mid-1960’s the Division’s local offices in each State were consolidated into single Division-type districts.

The Division underwent extensive reorganizations in the 1950’s and 1960’s. In 1956 the Offices of Assistant Chief Hydrological Engineers for Program and Development and for Operations, Regional Hydrologists for the Pacific Coast, Rocky Mountain, Mid-Atlantic, and Atlantic Coast areas, and six administrative and research Sections in the Central Office that included Foreign Hydrology (founded in 1952) and Radiohydrology (founded in 1947) were established or modified. The Technical Coordination Branch was renamed the General Hydrology Branch. From 1967 the Chief Hydrologist was aided by three Assistant Chiefs—Administration and Technical Services (later Operations), Reports and Data Processing (later Scientific Publications and Data Management), and Research and Technical Coordination. This reorganization terminated the Branches of General Hydrology and Program Control; their functions passed to the Research and Technical Coordination Office, which retained administrative control of the Branches of Surface Water, Ground Water, and Quality of Water, and the Offices of Remote Sensing and Radiohydrology. The Foreign Hydrology Section was renamed the Office of International Activities; the Section, the Office of Water Data Coordination (created in 1965), and the Regional Hydrologists reported to the Chief Hydrologist. Reorganizations of the Division in the 1980’s and 1990’s added to the number and modified the responsibilities and titles of the Assistant Chief Hydrologists.

Entry 508 lists the three published volumes and the three completed but unpublished volumes in “A History if the Water Resources Division, U. S. Geological Survey” that cover the years to 1966.
Records of the Irrigation Survey and Hydrographic Division, 1888-99

The Irrigation Survey (also known as the Powell Irrigation Survey) was established in the USGS under the provisions of an act of October 2, 1888 (25 Stat. L., 526). The act was passed “for the purpose of investigating the extent to which the arid region of the United States can be redeemed by irrigation, and the segregation of the irrigable lands in such arid region, and for the selection of sites for reservoirs and other hydraulic works necessary for the storage and utilization of water for irrigation and the prevention of floods and overflows, and make the necessary maps . . . the work to be performed by the Geological Survey under the direction of the Secretary of the Interior.” The Irrigation Survey was organized with two major units: a Topographic Survey, led by Almon H. Thompson, to prepare maps of areas under investigation; and a Hydraulic Survey, led by Clarence E. Dutton, to gage streams and identify suitable sites for irrigation systems, and to design dams, canals and other necessary structures. The Irrigation Survey undertook a systematic program of streamflow measurement. On August 30, 1890 (26 Stat. L., 391), Congress repealed that portion of the act of 1888 that created the Irrigation Survey. After 1890 some limited stream-gaging work continued, and ground-water studies began, respectively, in the USGS Topographic and Geologic Branches.

On August 18, 1894 (28 Stat. L., 398), Congress appropriated funds specifically “For gauging the streams and determining the water supply of the United States, including the investigation of underground currents and artesian wells in arid and semiarid regions.” To conduct the work a Hydrographic Division, led by Frederick H. Newell, a veteran of the Irrigation Survey, was formed in the Topographic Branch. The new unit was transferred to the Geologic Branch in 1895. Cooperative hydrographic surveys with the States began in 1895; co-funded work dates from 1900. Following the passage of the Reclamation Act on June 17, 1902 (32 Stat. L., 388), the Hydrographic Division was made a Branch equivalent to the other major line units of the USGS, with Newell as it Chief Hydrographer. In 1903 the Branch contained a Division of Hydrography for stream-gaging activities, a Division of Hydrology for ground-water investigations, Division of Hydro-Economics for analyses of water quality and economic potential, and the Reclamation Service. Director Walcott led the Reclamation Service, established in 1902, and Newell served as its Chief Engineer. In 1906 Newell left the Hydrographic Branch to spend more time with the newly independent Reclamation Service. Walcott hired Marshall O. Leighton as Chief Hydrographer and his Branch was renamed the Water Resources Branch. On March 9, 1907, the Reclamation Service, led by Newell, was separated from the USGS and established as an Interior Department agency; the Service was renamed the Bureau of Reclamation in 1923.

408. RECORDS CONCERNING FIELD OPERATIONS. 1889-90. 3 in.

Arranged chronologically.

Correspondence, reports, telegrams, newspaper clippings, graphs, and charts concerning surface-water studies in the arid regions west of the 100th meridian. Specific records include: "A Report on Fieldwork in Bear River Valley, 1889," by USGS hydrographer Robert Robertson, which includes a sketch map of the Cache Valley, and a draft "Report on the Irrigation of the Espanola Valley, 1889," also by Robertson; correspondence and reports received by Clarence E. Dutton from Robertson regarding his irrigation studies in the Utah and Arkansas Divisions; correspondence between Frederick H. Newell, Hydraulic Engineer in charge of the Rio Grande Division, and hydrographer Harold M. Dyar, including Dyar’s report on stream gaging in the Rio Grande Division; correspondence relating to precipitation studies received by Newell from climatologist George E. Curtis, including a statistical summary of the yearly precipitation in Colorado, 1884-1889; and a progress report from Newell outlining the hydrographic work completed in Montana, Colorado, New Mexico, and Texas in June 1890.

Of particular significance is John W. Powell’s report that outlines his principles and policies regarding irrigation, and his analysis of attitudes and events, from 1867 to about 1890, that influenced the development of United States water policy.
409. REPORTS ON IRRIGATION. 1893-98. 5 in.

Arranged by author's name, and thereunder chronologically.

Reports, which include correspondence, statistical summaries, diagrams, sketches, maps, published reports, and newspaper clippings, relating to irrigation studies in Nebraska, Oregon, and Idaho. Included are the reports of William P. Trowbridge, a USGS topographer, concerning irrigation studies in Oregon and Idaho in 1893, and a report by Charles P. Ross, a civil engineer and Chairman of the Nebraska Commission of the National Irrigation Congress, concerning his measurements in 1894-95 of the North Platte River in Nebraska. The majority of the reports (1894-98) were written or compiled by Oscar V. P. Stout, a Professor of Civil Engineering at the University of Nebraska, and relate to the water supply in Nebraska. Specific reports discuss the gaging of Nebraska streams and measurements of water-well heights, particularly across the Platte River Valley at Kearney, Nebraska.

410. DISBURSEMENT LEDGERS. Nov. 1888 - Dec. 1889. 1 in. 2 vols.

Arranged in two chronological periods. The first ledger covers the period November 30, 1888 to June 30, 1889; the second ledger, July 1 to December 30, 1889. The entries in each ledger are arranged by administrative unit, and thereunder chronologically.

Individual entries give the date, voucher number, the amount, to whom paid, and disbursement classification. Entries are classified as: instruments, services, supplies, subsistence, field expenses, hired transportation, travel, bonded railroads, and stock. These classifications are explained in the front of the first ledger. Both ledgers include entries for supplemental allotments and summary accounts. The corresponding vouchers have not been found.


Arranged for the most part chronologically. Entries for August to December 1894 are arranged by State, and thereunder chronologically.

Individual entries give the date, to whom paid, purpose of expenditure, and amount. Beginning with the second volume (July 1896), a register number is also included. These registers have not been found. Beginning with the third volume (August 1897), a voucher number is given. The corresponding vouchers have not been found.
412. GENERAL CORRESPONDENCE FILES. 1907-53. 22 ft.

Arranged alphabetically by subject. A list of file titles appears as Appendix 24 in this inventory.

Correspondence, reports, memorandums, bulletins, circulars, directions, requisitions, vouchers, copies of contracts, copies of rules and regulations, copies of court decisions, automobile-accident forms, legislation, press releases, newspaper clippings, articles, publications, pamphlets, statistical summaries, graphs, charts, plats, and other records regarding the administration, policies, programs, and operations of the Water Resources Division. Of particular interest are the reports documenting the investigations of the water resources of California, also called the "Marshall Plan"; 1921, the Red River Basin, 1948-53 (in the Canadian Government file); the quality of water in Forestville and Suitland, Maryland and McLean, Virginia, 1919 (in the Investigations file); and a proposal to construct hydroelectric facilities below Great Falls and the Potomac River, 1921 (in the Levering Correspondence file). The file concerning the Southwest Drought of 1951 contains compiled tables showing precipitation, runoff, ground- and surface-water measurements, and reservoir contents. Other records, such as the collection of statements from District Engineers in response to the question "Why Continuous Stream Gaging?" in 1928, show the development of Division policy.

These records also show the cooperation of the Division with other USGS units, other Federal agencies, especially the Bureau of Indian Affairs, Fish and Wildlife Service, National Park Service, Bureau of Reclamation, War Department, Weather Bureau, States, municipalities, independent bodies, such as the Tennessee Valley Authority and the National Research Council, and foreign countries. Also included are correspondence, reports, memorandums, agendas, minutes, speeches, seminar papers, conference papers, published reports, press releases, attendance lists, and other records regarding the Division's participation in meetings, seminars and conferences.

Interspersed are photographic prints, including those of various Division exhibits at fairs and expositions, equipment, and an illustrated report on the water supply in Shenandoah National Park in 1935 (in the National Park Service file).

413. "CONFIDENTIAL CORRESPONDENCE." 1922-35, 1942-49. 10 in.

Arranged chronologically.

Correspondence, memorandums, and reports deemed confidential by the Chief of the Division that concern personnel problems, theoretical or technical disagreements between staff members, internal and external complaints regarding the Division's work or staff members, and questions about cooperative agreements and funding.

Responses were usually prepared by the Chief Hydraulic Engineer, the Assistant Chief, or other staff members with specialized knowledge of the problem area. Of particular interest are a collection of reports written by the Division's district engineers outlining stream gaging completed in 1925 in cooperation with the Bureau of Indian Affairs.

414. CENTRAL CLASSIFIED FILES. 1945-76. 137 ft.

Arranged in two subseries and thereunder according to a subject-numeric classification, the same as that used for the central classified files of the Office of the Director (entry 52). The primary subject headings are Accounting, Budget, Buildings and Grounds, Committees, Communication, Computation, Contracts (2nd subseries), Cooperation,

Correspondence, memorandums, directives, reports, issuances, circulars, bulletins, press releases, publications, pamphlets, requisitions, vouchers, copies of contracts, copies of rules and regulations, statistical charts and summaries, graphs, plats, diagrams, and other records regarding the administration, policies and programs of the Water Resources Division. These records also show cooperation with other USGS units, other Federal agencies, especially the Department of the Army, the Atomic Energy Commission, the Bureau of Reclamation, and independent bodies, such as the Tennessee Valley Authority and the National Science Foundation. Includes agendas, minutes, and other records regarding the Division's participation on regional, international, and interagency boards and committees. Also contains catalogs and price lists relating to equipment and supplies, copies of applications and diagrams regarding inventions, copies of contracts of easement for access to land, personnel requests for action, drafts of articles and reports submitted for publication, and photographic prints of USGS offices and labs, and other subjects.

Of particular interest is a collection of membership reports, compiled in 1963, that give the name of committees on which the Division was represented, the basis for establishing the committees, their purpose and type, conditions for their meetings and reports, and the committees' termination dates (in the Committee, Membership Reports file - 1st subseries).

415. CIRCULAR LETTER FILE. 1918-53. 7 ft.

Arranged alphabetically by subject. A list of file headings appears as Appendix 25 in this inventory. The records contain an index that outlines the subject classification of the circulars.

Circulars and memorandums prepared by the Water Resources Division or received from other USGS units, the Office of the President, the Office of the Secretary of the Interior, and other Federal agencies that were intended to guide the Division's policies and programs. Also contains bulletins, pamphlets, booklets, correspondence, copies of forms, reports, publications, statistical summaries, plats, and photographs that accompany the circulars.

416. ADMINISTRATIVE ORDERS, CIRCULARS, AND MEMORANDUMS. 1915-55. 6 ft.

Arranged in two segments and thereunder alphabetically by name of office, title of official, subject or type of record. A list of file title headings appears as Appendix 26 in this inventory.

The first segment (white and green folder labels) contains administrative issuances and memorandums from the Secretary of the Interior and other departmental officials. The second segment, and bulk of the series (yellow folder labels), contains administrative issuances and memorandums from the Director, Division and Branch Chiefs, and Chief Clerks. Also included are correspondence, budget summaries, copies of legislation and congressional documents, copies of forms, reports, minutes of meetings, conference papers, newspaper clippings, lists of contracts, statistical charts, vouchers, maps, and photographs.

The records concern the organization and management of the Water Resources Division, particularly administrative procedures, budget and payroll, fair employment practices, employee assignments, travel, and publications; intraagency and interdepartmental committees, cooperation with other Federal agencies and State governments; Alaska investigations; the Columbus Development Laboratory; and tax exemptions for some oil companies.
417. RECORDS REGARDING CONTRACTS. 1939-56. 5 ft.

Arranged alphabetically by city, frequently the city where the documents were filed (the duty station of the Division official) rather than the city receiving the contract. The series also contains a file for Alaska, filed in alphabetical sequence, and files for other subjects located at the end of the series: Thetford, Vermont; University of Alabama; Miscellaneous (Washington, D.C. and Virginia); and Miscellaneous (statistical data for 1940 regarding gaging stations).

Contracts, certificates of award, bid and acceptance forms, copies of leases, correspondence, memorandums, statistical summaries, and specification outlines regarding new or renewed contracts by the Water Resources Division for service, equipment, leased space, and rights-of-way through private property. Occasionally, the contracts are accompanied by purchase orders, rate charts, copies of forms, pamphlets, advertising bulletins, plats, diagrams, and photographic prints.

418. RECORDS RELATING TO THE PRESIDENT’S WATER-RESOURCES POLICY COMMISSION. 1950. 3 in.

Arranged by river basin - Ohio, Tennessee, Connecticut, Alabama, Delaware, and Potomac - or subject.

Chiefly reports and statements prepared by the Eastern Field Committee, State water boards and commissions, and the Water Resources Division and submitted to the Commission for use in its reports “A Water Policy for the American People” and “Ten Rivers in America’s Future.” The series also includes correspondence and memorandums.

419. RECORDS CONCERNING THE TOPOGRAPHIC NEEDS OF THE WATER RESOURCES DIVISION. 1950-56. 10 in.

Arranged by subject or type of record: Topographic Needs; Summary of Topographic Mapping Procedures; a group of files arranged alphabetically by State or Territory; Division Report, March 1954; and index cards.

Memorandums, recommendation reports, justification reports, priority lists, circulars, statistical summaries, and maps regarding the Division’s need for topographic maps. Also included are topographic-map indexes for each State that delineate the mapping status of the quadrangles in the States; two sets of topographic-map indexes for the United States, one that outlines published maps and the other quadrangle names; published-map lists and bulletins; a reprinted article on Federal surveys and maps; a paper presented to the Public Documents Committee of the American Library Association about the USGS Map Information Office and a set of 3 in. x 5 in cards recording water studies that were scheduled or in progress.

420. OFFICE FILES OF GLENN LANE PARKER. 1930-49. 5 in.

Arranged alphabetically by subject.

Correspondence, memorandums, reports, legislation, publications, statistical tables, maps, and photographic prints relating to water-resources investigations, particularly those of the Gila River, the Colorado River, and the Fontana Dam Project of the Tennessee Valley Authority; and a "Report of Referee" concerning litigation to divert ground water found in the Raymond Basin in California. Also includes agendas, minutes, and circulars regarding the Munitions Board Water Committee and records relating to internal personnel problems.
Of particular interest is a memorandum by John C. Hoyt, dated September 13, 1934, regarding the development and use of water-stage recorders by the USGS.

Parker served as Chief Hydraulic Engineer of the Division from 1939 to 1945.

421. OFFICE FILES OF CARL GUSTAVE PAULSEN. 1946-60. 10 in.

Arranged alphabetically by subject.

Correspondence, memorandums, copies of speeches, conference papers, programs, and other records relating primarily to addresses written and delivered by Carl G. Paulsen, Chief Hydraulic Engineer of the Division from 1946 to 1957. Of particular interest is the file relating to the celebration of the USGS 75th Anniversary in 1954. There are also reports, press releases, agenda, minutes, and statistical summaries relating to Paulsen's role as the USGS representative between 1951 and 1959 on a number of boards and committees, which included the Columbia River Engineering Board, and the Interior Department's Special Board for Reviewing Principles for Exchange of Water and Power between the United States and Canada.

For records relating to Paulsen's tenure as Chairman of the Arkansas River Compact Administration, 1957-60, see the records described in entry 486.

422. OFFICE FILES OF LUNA BERGERE LEOPOLD. 1960-65. 10 in.

Arranged alphabetically by subject.

Correspondence, memorandums, progress reports, legislation, resolutions, press releases, copies of newspaper clippings, agendas, speeches, attendance lists, published bulletins and reports, directories, statistical summaries, and other records relating to Luna B. Leopold's participation on the American Meteorological Society's Committee on Water Resources, 1961 to 1965, and his chairing of the Water Task Force of the Potomac Project in 1965. Also includes records regarding research proposals.

Leopold served as Chief Hydraulic Engineer from 1957 to 1963, when the position title was changed to Chief Hydrologist. He continued as Chief Hydrologist until 1966.

423. BRANCH NEWSLETTERS. 1918-25. 10 in. 8 vols.

Arranged by month, and thereunder by district office.

Copies of monthly Branch newsletters, which contain narrative reports, statistical tables and summaries, reprinted correspondence, lists of applications before Federal Power Commission, copies of congressional bills concerning appropriations and allotments, and photographic prints. Also included are reports on Branch projects in the districts and Washington office, personnel matters; status of reports and publications, and other subjects of interest to Branch employees.

Arranged alphabetically by State, thereunder by type of report, and thereunder roughly by report number.

Printed and processed reports concerning water-resource management plans, water-quality assessments, flood investigations, chemical composition of rain samples, ground-water flow, wells and springs, and related subjects.

At the time this inventory was compiled this series had not been processed and reboxed by the National Archives staff.

For related maps see the records described in entries 137 and 555.
JOURNAL OF EXPENSES OF THE HYDROGRAPHIC DIVISION. May 1897 - Feb. 1904. 7 in. 7 vols.

Arranged for the most part chronologically, with a few disbursements arranged by subject.

Individual entries give the date, to whom paid, purpose of expenditure, voucher number, and amount. After April 1, 1901, the voucher and ledger numbers are excluded for the most part and the volume title changes to "Gaging Streams." The corresponding vouchers and ledgers have not been found. The volume for the period March 23, 1903, to February 23, 1904, includes a list of staff members of the Division of Hydrology's Eastern Section.

LEDGER OF STREAM-GAGING EXPENSES. July 1902 - Dec. 1903. 2 in. 1 vol.

Arranged by name of payee or subject, and thereunder chronologically. An incomplete index, arranged alphabetically by name, is in the front of the volume.

Individual entries give the date, to whom paid, purpose of expenditure, amount, and (what may be a) register number. The corresponding registers have not been found.

OPERATIONS LEDGER. July 1901 - July 1905. 1 in. 1 vol.

Arranged by category as follows: New York, Maine, New York City, Office of Indian Affairs, North Carolina, Nevada, Forestry, and Oklahoma Territory.

Individual entries give the date of daily disbursements, to whom paid, purpose of expenditure, and amount that relates to daily disbursements. Many of the disbursements concern expenses incurred in the examination of forest reserves and the revenues obtained from the sale of town lots in Oklahoma Territory. Also included are a memorandum attached to a page in the Forestry section that outlines the duties and authorizations of the field officials participating in forestry examinations, and a letter of April 16, 1903, from Frederick H. Newell to Mrs. Jennie T. Davis (a statistical expert with the Division of Hydrography), regarding the condition of the account for the examination of forest reserves.

DISBURSEMENT LEDGER. July 1903 - Feb. 1905. 2 in. 1 vol.

Arranged by State, administrative unit of the Hydrographic Division, or name of payee, and thereunder chronologically. An index, arranged alphabetically, is in the front of the volume.

Individual entries give the date, to whom paid, purpose of expenditure, amount, and (what may be) register and voucher numbers relating to administrative expenditures of the Hydrographic Division. The corresponding registers and vouchers have not been found. Inside the front cover is a statement of account from Herbert M. Wilson, dated March 12, 1904.

DISBURSEMENT LEDGER FOR STREAM GAGING. July 1904 - June 1906. 3 in. 2 vols.

Arranged by payee, State, region, or administrative unit, and thereunder chronologically. An index, arranged alphabetically, is in the front of each volume.
Individual entries in Volume I (Fiscal Year 1905) give the date, to whom paid, purpose of expenditure, date span of expenditure, amount, and (what may be) voucher and register numbers. Attached to the inside front cover is a list summarizing allotments and expenditures for the States, regions and offices. Page 221 contains a letter and a list of expenses, dated August 17, 1905, from Grove K. Gilbert to Frederick H. Newell regarding Gilbert's expenditures for fiscal year 1905. Individual entries for Volume II (Fiscal Year 1906) give the date, charge-sheet number, voucher number, to whom paid, by whom paid, amount, and purpose of expenditure. The corresponding vouchers, registers, and charge sheets have not been found.

430. APPROPRIATIONS LEDGER. July 1907 - June 1908. 2 in. 1 vol.

Arranged by appropriation account, and thereunder chronologically. An index, arranged alphabetically by subject, State, and agency is in the front of the volume.

Individual entries give the date, to whom paid, purpose of expenditure, amount, and monthly total balance for such accounts as river measurement, ground water, quality of water, debris investigation, and land drainage and cooperative work with State and Federal agencies. Individual entries for transportation requests give (what may be) a voucher number, date, charge sheet number, to whom paid, place of departure, destination, method of travel, amount, and account charged. The corresponding vouchers and charge sheets have not been found.

431. DISBURSEMENT LEDGERS FOR STREAM-GAGING APPROPRIATIONS. July 1907 - June 1910. 2 in. 3 vols.

Arranged by appropriation account, and thereunder chronologically. Indexes, arranged alphabetically by subject, State, district, and agency, are in the front of Volumes II and III.

Individual entries give the date, to whom paid, voucher number, amount, balance, and monthly balance for such accounts as river measurements, ground-water and debris investigations, and cooperative work with the States and on the Moqui and Navajo Reservations. Each volume is for a fiscal year. Correspondence, memorandums, and quarterly statements, regarding transfer of funds, credits, debits, adjustments to accounts, and recommendations, are in the front of Volumes II and III. Volume III also has loose papers appended to the ledger pages throughout the volume showing expenditures for fiscal year 1911.

432. APPROPRIATIONS LEDGER. July 1911 - Sept. 1912. 2 in. 1 vol.

Arranged by account name.

Individual entries give the date, to whom paid, voucher number, charge sheet number, transfer of expenditures, direct expenditures, total expenditures, and monthly credit and disbursement summaries for water-resources activities in certain States and regions and the Territory of Hawaii. Included are accounts for stream gaging, pumping investigations, chemistry of underground water, cooperation with States and Federal agencies, and administrative costs. Correspondence and financial statements from Thomas G. Gerdine to John H. Lewis regarding the transfer of vouchers and expenditures of the Deschutes River investigation are inserted in the volume.
433. CORRESPONDENCE CONCERNING DISTRICT ENGINEERS AND OTHER DIVISION EMPLOYEES. 1908-57. 31 ft.

Arranged alphabetically by surname. A list of file titles appears as Appendix 27 in the inventory.

Correspondence and memorandums relating to personnel matters, such as appointments, leave, transfers, military service, recommendations, and retirement. These files appear to have been maintained as an informal personnel file by the Division. Most of the files concern district engineers, hydraulic engineers, and geologists. There are also files for aids, administrative staff, and consultants.

Also included are circulars, investigative reports, conference papers, publications, newspaper clippings, copies of legislation, statistical charts, plats, diagrams, photographs, and other records relating to Division programs including water-power and irrigation development, artesian wells, swamp lands, flood investigations and prediction, and stream gaging, including joint international gaging stations along the United States-Canadian border; well-drilling machinery and methods, current meters, and water-stage recorders; and land entries under the Cary Act, Enlarged Homestead Act, and Stock-Raising Homestead Act. The records also document Division cooperation with the States and other Federal agencies, particularly the Bureau of Reclamation, Forest Service, National Park Service, Bureau of Indian Affairs, Weather Bureau, and Federal Power Commission.

Of particular interest is a report done for the Electric Bond and Share Company, titled “The Utilization of the Boundary Waters of Northern Minnesota,” by H. N. Sullivan, Consulting Engineer, Los Angeles, CAECA, 1927. Ralf R. Woolley asked that the report be retained in the Division’s files. It was placed in his file.

The records include files for three Division employees who, as of 1938, held dual appointments with State agencies: Max H. Carson (Hawaii), Lynn Crandall (Idaho), and Joseph J. Dirzulaitis (Virginia). The dual-employment status of these employees was approved, in accordance with Executive Order 7796, by the Secretary of the Interior on March 10, 1938.

Most of the records are dated 1911-46.


Arranged for the most part alphabetically by district or field office, and thereunder chronologically. Alaska materials appear in alphabetical sequence. The first two files are general files apparently maintained in the office of the Chief of the Surface Water Branch.

Chiefly correspondence and memorandums to and from the district engineers, but also includes reports, press releases, newspaper clippings, statistical summaries, plats, graphs, and other records regarding the administration, operations, and projects of the district and field offices of the Surface Water Branch. Included is information on allotments and estimates for field activities, the compilation and submission of field data, the status of stream-gaging and river-survey projects, personnel and payroll matters, and cooperation with other Federal agencies, States, and municipalities.

435. RECORDS CONCERNING THE FIELD OFFICES OF THE GROUND WATER, QUALITY OF WATER, AND WATER UTILIZATION BRANCHES.  1946-53.  2.5 ft.

Arranged alphabetically by district or field office, thereunder by Branch, and thereunder chronologically.

Chiefly correspondence and memorandums to and from the district engineers and geologists, with some reports, agendas, minutes, handwritten notes, statistical summaries, and other records regarding the administration, operations, and projects of the district and field offices of the Branches of Ground Water, Quality of Water, and Water Utilization.

Included is information on allotments and estimates for field activities, compilation and submission of field data, personnel and payroll matters, proposed projects, studies for the Department of Defense, and cooperation with other Federal agencies, States, and municipalities. There is also a file from a field office in Agana, Guam, concerning a cooperative agreement with Guam for water-resources investigations, including water-feasibility studies and installation of gaging stations.

436. CASE FILES RELATING TO OFFICE SPACE FOR DIVISION FIELD OFFICES.  1921-53.  3 ft.

Arranged alphabetically by name of city, followed by a file for Alaska and two general files.

Correspondence, memorandums, completed “Space Summary for Building” and “Occupancy Confirmation” forms, floor plans, telegrams, handwritten notes, newspaper clippings, and other records that concern the leasing of office, laboratory, and storage space for field and district offices. The files include information about negotiations for space in buildings on university campuses.

437. PROCEEDINGS OF A BRANCH CONFERENCE OF ENGINEERS.  Dec. 1914.  2 in.

Unarranged.

Copies of the papers delivered on such subjects as the functions of the central and district offices, progress and utilization reports, manuscript preparation and illustrations, automatic gages, the Stevens continuous water-stage recorder, Friez's improved automatic water-state register, measurement of drainage areas, classification of land, and accuracy of streamflow data. There is also an introductory statement.

438. ANNUAL REPORTS.  1933-47.  3 ft.

Arranged chronologically by year. For each year, a Branch report precedes District reports arranged alphabetically by field office or engineer's surname. There are no District reports for 1947.

Narrative reports, statistical summaries, correspondence, memorandums, personnel lists, and other records concerning Branch programs and projects, including cooperation with Federal agencies, States, and municipalities.

439. QUARTERLY REPORTS.  1943-48.  1.5 in.

Arranged chronologically.

Narrative reports, accompanied by statistical summaries and lists of personnel, regarding personnel changes, investigations, publications in progress, and other Branch activities. Reports for 1943-March 1946 are quarterly
reports of the Branches with some Division level information. Reports for the quarters 1947-48 are Division-level reports. Not all quarters are represented.


Arranged chronologically, and thereunder by Division and alphabetically by field office.

Narrative reports, with statistical summaries and tables, concerning the status of projects, public-works programs, and other cooperative investigations; internal reports and laboratory work; gaging stations; Division publications; and personnel matters.

441. RECORDS CONCERNING SIX-YEAR CONSTRUCTION AND REPAIR PLANS FOR FEDERAL PUBLIC WORKS. 1937, 1939, and 1941. 4 in.

The records for the first six-year plan, 1939 to 1944 (compiled in 1937), are arranged by subject, and thereunder alphabetically by State; records for the second six-year plan, 1941 to 1946 (compiled in 1939), are arranged by subject. A separate memorandum, dated 1941, is attached to the second set of plans.

Report forms, statistical summaries, and memorandums regarding the plans, estimates, and justification for proposed Federal Public Works projects during two six-year periods. The plans, submitted in 1937 and 1939, cover construction and repair projects relating to the work of the Water Resources Division.

442. BUDGET FILES. 1929-53. 2.5 ft.

Arranged chronologically.

Each file usually contains reports, statistical summaries, correspondence, memorandums, lists, circulars, copies of legislation, and other records regarding budget estimates, justifications, appropriations, allotments, and limitations for fiscal years 1931 to 1953. Also included are copies of applications for funds, statistical summaries, and other records concerning appropriations made by the Federal Civil Works Administration and the National Emergency Council for Division projects from 1933 to 1936.

443. ADMINISTRATIVE RECORDS OF THE FISCAL MANAGEMENT SECTION. 1947-56. 4 ft.

The general files at the beginning of the series are arranged by subject; the remainder are arranged by Surface Water and Ground Water areas, thereunder by district or field office, and thereunder roughly chronologically.

Chiefly correspondence and memorandums, but also includes lists of projects, statistical summaries, vouchers, and other records regarding estimates, allotments, and transfer of funds for the Division's programs in the field; project authorizations; correspondence and memorandums concerning cooperative agreements; discrepancies in district accounts; damage claims; and purchase of equipment. Two items in the Iowa City, Iowa file are dated 1942.

444. RECORDS OF THE FISCAL MANAGEMENT SECTION CONCERNING COOPERATIVE AGREEMENTS. 1945-63. 13 ft.
Arranged in two time segments, 1947-57 and 1945-63; thereunder by Branch, then alphabetically by State or Territory, and thereunder chronologically.

Copies of cooperative agreements, completed "cooperative agreement transmittal-program description" forms, "fiscal abstract" forms, "advise of allotment" forms, correspondence, memorandums, statistical tables and summaries, and other records relating to the Division's cooperative agreements with States, counties, municipalities, water districts, tribal councils, and universities. The agreements concern water-resources investigations; recommendations and approvals for projects; and estimates, allotments, modifications, reimbursements, and transfer of funds for cooperative projects.

The files in the first time segment (1947-57) ceased to be administratively active in 1952, although documents were added up to 1957. This part of the series also contains a greater number of project descriptions. The majority of the records in the second time segment (1945-63) date from 1951, include more cooperative agreements, and contain documentation on combined investigations by the branches.

445. MONTHLY PROGRESS REPORTS OF DISTRICT ENGINEERS CONCERNING CONSTRUCTION AND MAINTENANCE. April 1950 - May 1951. 5 in.

Arranged chronologically.

Statistical reports collected by the district engineers for the Bureau of Labor Statistics, Department of Labor, showing the cost of construction and maintenance at the field offices.

446. RECORDS CONCERNING ANNUAL ESTIMATED EXPENDITURES FOR CONSTRUCTION AT THE FIELD OFFICES. 1957-59. 3 in.

Arranged chronologically.

Statistical reports, memorandums, correspondence, and lists regarding the estimated expenditures for construction at the field offices for calendar years 1957 and 1958.

447. ESSENTIAL-DOCUMENT INVENTORIES FROM FIELD OFFICES. Feb. 1951. 4 in.

Arranged alphabetically by State.

Listing of inventory reports compiled by the field offices in response to a Division Circular, dated January 29, 1951, directing offices to identify documents deemed indispensable to the USGS in the event of a major disaster. Most reports include office name, brief description of the records, priority level, location of records, linear feet, cabinet and floor-space requirements, and recommendations for microfilming or additional security measures. Also included with some of the reports are related indexes, memorandums, and handwritten notes.

448. RECORDS CONCERNING THE ORGANIZATION OF THE DIVISION. ca. 1932-56. 3 ft..

Arranged by subject or alphabetically by State in which field offices are located.

Memorandums, reports, drafts of reports, correspondence, handwritten notes, press releases, lists of Division field offices and USGS committees, statistical summaries, organizational charts, graphs, completed questionnaires, and other
records regarding the activities, organization and reorganization of the Division. Also included are reports, memorandums, statistical summaries, and other records concerning various special committees, established by the Division to study its organization and make recommendations, and the USGS Committee on Organization and Management; and reports, statistical summaries, and sample registers regarding the Division's "obligation registers" (a day-to-day record, arranged chronologically by date of project, of the Division's obligations and expenditures). Most of the records date from 1942.

449. RECORDS CONCERNING GENERAL STAFF COMMITTEE REVIEW OF FIELD PROJECTS.
1953-57. 1.5 ft.

The first eight files are arranged by subject, and thereunder chronologically; the remainder of the series is arranged alphabetically by field committee, and thereunder chronologically.

Correspondence, memorandums, reports, minutes, attendance lists, administrative circulars and bulletins, statistical summaries, newspaper clippings, handwritten notes, and other records relating chiefly to decisions and recommendations made by the USGS General Staff Committee concerning the work of various field committees. Included is information relating to members of the committees; committee activities, meetings, projects and funds; and the General Staff Committee's review of their projects and reports. The records also reflect subjects of concern to the General Staff Committee, including Alaska development, reviews of reports by the Soil Conservation Service and Army Corps of Engineers, and legislation affecting water-resources policy.
Records concerning Cooperation, 1903-66

450. MISCELLANEOUS CORRESPONDENCE FILES CONCERNING THE INTERNATIONAL JOINT COMMISSION ON UNITED STATES-CANADIAN WATER INVESTIGATIONS. 1917-56. 10 in.

Arranged chronologically.

Correspondence; memorandums, reports, statistical summaries, press releases, newspaper clippings, transcripts of meetings, lists of gaging stations, copies of legislation, plats, photographic prints of gaging stations, and other records concerning the International Joint Commission, the International Engineering Committees and Boards (chiefly the Souris-Red River Engineering Board, the Columbia River Engineering Committee, and the Interior Board on International Water and Power), joint management of international streams, power development, and gaging measurements on boundary waters, and meetings and conferences regarding joint investigations. Also includes a series of reports titled “Water Power Resources of Canada,” dated from 1942 to 1956, written by the Dominion Water and Power Bureau (of the Canadian Department of Mines and Resources) and later the Water Resources Division (of the Department of Northern Affairs and National Resources).

The International Joint Commission was created in 1912 under the provisions of the Boundary Waters Treaty of January 11, 1909, which provided that the governments of the United States and Canada agree to refer requests for investigations and reports on waters of common interest to the Commission.

451. FINANCE AND BUDGET FILES. 1940-57. 6 in.

Arranged chronologically.

Correspondence, memorandums, statistical summaries and tables, handwritten notes, copies of legislation, transcripts of statements made before the House Appropriations Committee, and other records relating to estimates, allotments, and distribution of funds for the International Joint Commission's investigations, and USGS participation in these projects.

452. RECORDS CONCERNING THE ADMINISTRATION OF INTERNATIONAL WATERWAYS. 1914-63. 15 ft.

Arranged geographically by waterway from east to west in the following order: St. John River, Passamaquoddy River, St. Croix River, St. Lawrence River, Niagara Falls, Great Lakes, Roseau River, Souris-Red River, Pembina River, Sage Creek, Frenchmen River, Battle Creek, Lodge Creek, St. Mary and Milk Rivers, Deer and Miner's Creeks, Kootenai River, Osoyoos Lake, Columbia River, Yukon River; and thereunder chronologically or by type of document.

Correspondence, memorandums, reports, statistical summaries, press releases, newspaper clippings, minutes, copies of speeches, transcripts of proceedings of Commission meetings, handwritten notes, plats, diagrams, processed reports and pamphlets, and other records concerning the joint operation of international streams between the United States and Canada, power development on international rivers, gaging measurements from stations on boundary waters, commission investigations, and commission and engineering-board meetings concerning the waterways.

Of particular interest are the bound reports on the Passamaquoddy Tidal Power Project (1950-63), correspondence concerning the conservation of Niagara Falls (1953), and a set of inspection reports concerning the "Utilization of Water in the Milk River Basin within the Blackfeet Indian Reservation, Montana" (1960-63). Also included are a set of annotated aerial-mosaic contact prints of Sage Creek and glass slides and photographs, undated, that appear to be of a Rosseau River flood and flood damage.

453. RECORDS CONCERNING COOPERATION WITH STATE AND TERRITORIAL GOVERNMENTS. 1903-30. 6 ft.

Arranged alphabetically by State, Territory or subject, and thereunder chronologically. The subject files are Hetch Hetchy (with the California files) and Washington Irrigation and Development Company. Also included, at the end of the series, is a list of State Geologists, and other cooperative program officials for the years 1915 to 1936, that gives names, addresses, occupations, and the USGS organizational unit involved.

Chiefly correspondence, but also includes memorandums, reports, handwritten notes, statistical summaries, copies of legislation, plats, cooperative agreements, vouchers, and other records regarding the Division's cooperation with the governments in water-resources investigations. Included is information relating to various cooperative projects, reimbursements, transfer of funds and sharing costs, allotments and estimates, and the assignments of local officials and Division employees.

454. RECORDS CONCERNING RIO GRANDE JOINT INVESTIGATION. 1935-37. 3 in.


Correspondence, memorandums, reports, and statistical summaries concerning a study sponsored by the National Resources Committee to survey the available water supplies of the Upper Rio Grande River to determine an equitable allocation of water to Colorado, New Mexico, and Texas. The Public Works Administration allotted the funds to the National Resources Committee at the request of the Rio Grande Compact Commission. Includes information on surface-water, ground-water, and quality-of-water investigations, distribution of funds, and personnel matters.

455. RECORDS CONCERNING INTERSTATE RIVER COMPACTS AND REGIONAL PROJECTS. 1923-54. 3 ft.

Arranged alphabetically by name of river, region, or project. See Appendix 28 in this inventory for a list of file titles.

Correspondence, copies of legislation, minutes of meetings, draft and final copies of compacts, conference and other memorandums, telegrams, copies of compact resolutions, maps, lists of gaging stations, budget estimates and justifications, copies of articles and other printed items, reports, newsletters, and other records relating chiefly to USGS oversight of stream-gaging stations required for the operations of compacts and projects. Other subjects include appropriations, the formation of compacts and the role of the Federal representative on compact administrations, and cooperation with International Commissions, State agencies, private corporations and Federal agencies such as the Bureau of Reclamation, and the Army Corps of Engineers.
456. RECORDS CONCERNING RIVER INVESTIGATIONS. 1938-53. 1.5 ft.

The first file is titled General Compact Commissions. The remaining files are arranged alphabetically by river and thereunder chronologically.

Correspondence, reports, memorandums, agendas, minutes and proceedings of technical meetings and conferences, drafts of compact agreements, publications, statistical summaries, newspaper clippings, and other records concerning the administration, funding, plans and programs of the Bear, Delaware, and Pecos River Joint Investigations and the Boise River Silt Project. Also includes a correspondence file concerning the release of USGS data on the Columbia River flood of May 1948 to the Department of Justice. The file on general-compact commissions contains correspondence and memorandums regarding Federal representation on interstate-compact commissions.

457. RECORDS RELATING TO STATE LAWS FOR COOPERATION IN WATER RESOURCES INVESTIGATIONS. Feb. - Apr. 1941. 6 in.

Arranged by State or type of document.

Correspondence, memorandums, and copies of State legislation and publications received from district engineers by the Chief Hydraulic Engineer. These documents were submitted in response to a circular, dated February 6, 1941, that requested information about State water laws, particularly those provisions granting States the authority to cooperate with the USGS on water-resources investigations. Includes copies of State laws and publications for Arkansas, Maryland, Minnesota, Missouri, New England States, New Jersey, North Dakota, Oklahoma, Oregon, South Dakota, Virginia, and Wyoming.

458. RECORDS CONCERNING STATE WATER-RESOURCES COUNCILS. 1949-57. 4 ft.

Arranged alphabetically by State or Territory followed by two regional files - New England Council and Pacific Northwest Council, and thereunder chronologically.

Chiefly minutes, but also includes correspondence, memorandums reports, agendas, newspaper clippings, and other records. The earlier records usually contain more information about problems faced by the Councils at their inception. Both sequences contain information on the organization, objectives, administration, plans, projects, and recommendations of the State Councils. There are a few items dating from 1946.

The Division set up State Water-Resources Councils (Water Resources Division Circular dated May 6, 1949) to facilitate coordination between the various field offices of the Division's Ground Water, Surface Water, and Quality of Water Branches administered by the branches' field supervisors. The Councils were established to plan and coordinate projects, negotiate cooperative agreements with State and municipal agencies, and to supervise the consolidation of administrative services in the Branch offices.

459. RECORDS CONCERNING COOPERATION WITH OTHER FEDERAL AGENCIES. 1916-52. 2 ft.

Arranged alphabetically by name of agency or subject.

Correspondence, reports, memorandums, congressional documents, copies of articles, processed issuances, budget summaries and maps, plans, public notices, and other records concerning cooperation with the Departments of
Commerce, Agriculture, Army, and State, the Army Corps of Engineers, the Bureau of Standards, the U.S. Board on Geographic Names, the Coast and Geodetic Survey, and other agencies.

The cooperative projects included the determination of ground-water supplies for agricultural-experiment stations, cemetery maintenance, and military installations; maintenance of stream-gaging stations for flood control, mining operations, hydroelectric-power production, and irrigation; Alaska stream investigations; stream-gage and water-meter calibration tests; USGS participation in the European Recovery Program; and assistance to international river commissions.

460. RECORDS CONCERNING COOPERATION WITH THE ARMY CORPS OF ENGINEERS. 1915-45. 5 in.

Arranged chronologically.

Chiefly correspondence, but also includes reports, memorandums, circulars, minutes, proceedings, attendance lists, statistical summaries, maps, and other records concerning cooperation with the Corps of Engineers in water-resources programs, particularly the intercoastal waterway, flood control, stream gaging, and field tests of measurement devices.

461. CORRESPONDENCE WITH DISTRICT ENGINEERS CONCERNING COOPERATION WITH THE ARMY CORPS OF ENGINEERS. 1928-44. 15 in.

Arranged alphabetically by field office, and thereunder chronologically.

Consists for the most part of correspondence between the Chief Hydraulic Engineer and district engineers, but also includes reports, memorandums, statistical summaries, lists, maps, and other records regarding cooperation with the Corps of Engineers in water-resources programs, particularly stream-gaging and flood-discharge measurements.

462. RECORDS CONCERNING COOPERATIVE STREAM-GAGING PROGRAMS WITH THE ARMY CORPS OF ENGINEERS. 1928-31; 1936-43; 1951-66. 4.5 ft.

Arranged in rough chronological order and thereunder by geographical area or district office.

Correspondence, memorandums, reports, statistical summaries, tables, lists of cooperative stations, completed report forms on river gages, copies of legislation, vouchers, handwritten notes, plats, maps, and other records regarding cooperation with the Corps of Engineers in the construction, maintenance, and operation of gaging stations; estimates, allotments, and appropriations for cooperative programs; special studies prepared by the Division for the Corps of Engineers; and proposals and recommendations by the district engineers for new stations and equipment. Also contains some information relating to cooperative stream-gaging projects with the Weather Bureau.

463. CORRESPONDENCE WITH THE ARMY CORPS OF ENGINEERS CONCERNING EQUIPMENT. 1933-41. 1 in.

Arranged chronologically.

Correspondence, memorandums, and other records containing information about the acquisition and cooperative use of equipment.
464. REPORTS FROM DISTRICT ENGINEERS CONCERNING COOPERATIVE FUNDS AND ESTIMATES. 1940. 2 in.

Arranged alphabetically by surname of the district engineer, and thereunder chronologically.

Correspondence, reports, and statistical summaries regarding funds available for cooperative stream-gaging work for the Army Corps of Engineers and the USGS during fiscal year 1940, and estimates of funds required to finance stream gaging in the districts during fiscal year 1941.

465. RECORDS CONCERNING BRANCH PARTICIPATION IN A PIG-IRON SURVEY. 1942. 6 in.

Arranged by subject or type of record.

Correspondence, memorandums, bulletins, copies of regulations, lists of foundries, copies of "Preference Rating Orders", pamphlets, statistical summaries and tables, and other records relating to the branches' participation in a survey of the use of pig iron. The War Production Board's Division of Industry Operations requested the survey. The National Park Service and the General Land Office also participated in organizing the survey.

466. WAR-SERVICE REPORTS. 1944-45. 0.5 in.

Arranged by type of record.

Chiefly final summary reports, for the interval from July 1 to September 2, 1945, from District Engineers in response to Water Resources Division Circular of October 25, 1945. The reports usually contain information about types of projects, name of agency or applicant, and information gathered. Also included are statistical summaries, covering the period January-August 1945, of requests for assistance by Federal, State, and other applicants prepared in the central office, apparently based on monthly reports.


Arranged chronologically.

Chiefly correspondence, but also includes memorandums, reports, statistical summaries, maps, and other records relating to rainfall and runoff studies made by the USGS for the Mississippi Valley Committee of the Public Works Administration.

The first page of this file states that this material comprises Volume 1 and refers to a Volume 2. No Volume 2 has been found.

468. RECORDS CONCERNING STREAM-FLOW STUDIES IN THE MISSISSIPPI RIVER VALLEY. Nov. 1933-Dec. 1934. 4 in.

Arranged chronologically.

Chiefly correspondence, but also includes memorandums, reports, statistical summaries, diagrams, and other records relating to stream-flow studies to aid navigation and flood control in the Mississippi River Valley. The USGS
undertook these studies in cooperation with the Mississippi Valley Committee and its successor, the Water Section of the Technical Committee of the National Resources Board. The Mississippi Valley Commission (Army Corps of Engineers), the Section of Hydrology of the American Geophysical Union, and the Flood Protection Data Committee of the American Society of Civil Engineers, advised and collaborated with the USGS on the work.

469. RECORDS RELATING TO FEDERAL EMERGENCY-RELIEF PROJECTS. 1933-38. 2 ft.

Arranged by subject, and thereunder chronologically or alphabetically by the surname of the district engineer.

Correspondence, memorandums, employment reports, project reports, copies of legislation, statistical summaries, graphs, and other records concerning applications, proposals, estimates, allotments and transfer of funds, purchases of equipment, and recommendations for relief projects supervised by the USGS and financed by the various Federal relief agencies. Includes information on Public Works Administration's studies of the floods of 1936, analyses of water samples, and construction of stream-gaging stations; Civil Works Administration projects to assemble and analyze stream-flow records and repair stream-gaging stations; Works Progress Administration projects to repair or replace stream-gaging stations and equipment damaged or lost in floods; and Federal Emergency Relief Administration projects to assemble and tabulate streamflow data, to establish stream-gaging stations, and to investigate drought relief.

470. RECORDS CONCERNING FUNDING OF PUBLIC-WORKS PROJECTS. 1933-38. 5 in.

Arranged by subject, and thereunder chronologically or by State.

Memorandums, correspondence, statistical summaries, reports, applications for funds, completed forms, and other records regarding the Division's allocation of estimates and allotments for public works projects. The completed forms, compiled in 1934, show estimates of public-works funds for new river-measurement stations by State, with river and location, and type of structure and equipment. Other forms compiled at the same time give the estimated cost of rehabilitation of existing river-measurement stations showing river and location, and specifying type of structure and equipment.

Also includes lists of counties for which Division projects were being financed with public-works funds; a report on the possible establishment of a Department of Conservation; and a report on the floods of 1935-36 in New York State by Arthur W. Harrington and Hollister Johnson.

471. CORRESPONDENCE AND OTHER RECORDS CONCERNING WEATHER BUREAU STREAM-GAGING STATIONS. 1933-34. 3 in.

Arranged in rough alphabetical order by the surname of the district engineer.

Chiefly correspondence between the district engineers and the Chief Hydraulic Engineer, but also includes some reports, lists, and other records relating to recommendations and estimates for the construction and repairs of gaging stations for the Weather Bureau, installation of recorders at cooperatively maintained stations, and other cooperative activities concerning the rehabilitation of gaging stations with Public Works Administration funds.

472. REPORTS AND RELATED RECORDS CONCERNING MAINTENANCE OF WEATHER BUREAU STREAM-GAGING STATIONS. 1934-35. 6 in.

Arranged alphabetically by the surname of the district engineer, and thereunder chronologically.
Chiefly reports from District Engineer concerning the replacement or rehabilitation of gages. Each report concerns one gaging station and usually contains the following information categories: location, date of original establishment of station and responsible agency, drainage area, type of gage, bench marks, control, type of measurement, flood history, winter conditions, regulations and diversions of the stream, anticipated accuracy of the record, cooperating agency, and a sketch showing the location of the gage. The series also includes correspondence, statistical summaries, plats, drawings, photographs, and other records relating to the inspection, rehabilitation, and replacement of Weather Bureau stream-gaging stations by funds provided by the Public Works Administration.

473. RECORDS CONCERNING FUNDING AND MAINTENANCE OF WEATHER BUREAU STREAM-GAGING STATIONS. 1933-37. 5 in

For the most part arranged alphabetically by the surname of the district engineer, and thereunder chronologically. Two general files at the beginning of the series are arranged chronologically.

Correspondence, memorandums, reports, lists, statistical summaries, drawings, and other records concerning installation of wire-weight gages and recorders, and the construction inspection, and repair of gaging stations for the Weather Bureau with Public Works Administration funds. Also includes information regarding the allotment and transfer of PWA funds, and the loan of equipment between the Weather Bureau and the USGS.

474. RECORDS RELATING TO PROPOSED WORKS PROGRESS ADMINISTRATION PROJECTS. 1935-42. 5 in.

Arranged alphabetically by State, and thereunder chronologically.

Correspondence, memorandums, reports, project applications, completed proposal forms, statistical summaries, diagrams, and other records regarding estimates of cost, work schedules, and the status of proposed projects. Typical projects to be supervised by the USGS included the construction, repair, and improvement of stream-gaging stations, and the installation of cableways across streams.

475. RECORDS CONCERNING WORKS PROGRESS ADMINISTRATION PROJECTS. 1936-38. 7 in.

Arranged alphabetically by the surname of the district engineer, and thereunder chronologically.

Chiefly correspondence, but also includes memorandums, project-authorization forms, lists, and other records concerning Works Progress Administration allotments and expenditures for repair and replacement of stream-gaging stations and equipment damaged or lost in floods.

476. WEEKLY AND SEMIMONTHLY REPORTS CONCERNING WORKS PROGRESS ADMINISTRATION EMPLOYMENT AND PAYROLLS. 1936-37. 5 in.

Arranged by week or semimonthly periods, and thereunder by district office.

The reports include completed forms and statistical summaries. Also includes memorandums relating to the allotments made for Works Progress Administration employment, the number of employees on WPA payrolls, and the amount expended.
477. RECORDS CONCERNING PUBLIC WORKS ADMINISTRATION PROJECTS. 1938-40. 1 ft.

Arranged for the most part alphabetically by the surname of the district engineer, and thereunder chronologically. A few general files are found at the beginning of the series.

Correspondence, memorandums, circulars, reports, lists, and statistical summaries regarding appropriations, allotments, expenditures, and the status of projects supervised by the USGS, as authorized by the Public Works Administration Act of 1938. Projects supervised included surveys of flood and drought conditions, and the construction, repair, and improvement of stream-gaging stations.

478. RECORDS CONCERNING COOPERATION WITH THE SOIL CONSERVATION SERVICE. 1933-44. 5 in.

Arranged for the most part chronologically. The file at the end of the series is arranged alphabetically by the surname of the resident engineer.

Chiefly correspondence, but also contains circulars, lists, statistical summaries, an undated Soil Conservation Service Directory, photographs of a "silt sampler" (1936), lists of projects and maps, and other records regarding USGS cooperation with the Soil Conservation Service on various projects, including the measurement of streamflow and silt, publication of the results of various investigations, and the sharing and dissemination of information. Also contains information on expenditures and transfer of funds for cooperative projects.

479. CORRESPONDENCE WITH DISTRICT ENGINEERS CONCERNING COOPERATION WITH THE SOIL CONSERVATION SERVICE. 1933-42. 2 ft.

Arranged alphabetically by the surname of the district engineer, and thereunder chronologically.

Chiefly correspondence, but also includes some memorandums, between the district engineers and the Chief Hydraulic Engineer, regarding cooperation with the Soil Conservation Service (SCS) on projects to construct, repair, and improve stream-gaging stations and surveys of floods and droughts. Includes information regarding estimates, allocations, expenditures, the status and results of projects, inspection of SCS projects by USGS district engineers, cooperative use of equipment, and requests for supplies.

480. REPORTS OF RESIDENT ENGINEERS ON SOIL CONSERVATION PROJECTS. 1934-39. 10 in.

Arranged in monthly groups varying from 5 to 12 months, thereunder alphabetically by the surname of the district engineer or State, and thereunder chronologically.

Chiefly weekly reports submitted by resident engineers, with some interspersed correspondence and three annotated photographs taken in 1935 of Coon Creek, Wisconsin. The records relate to USGS soil-erosion control projects. Includes information on stream and silt measurements, silt analyses, local precipitation, and runoff data. 152
481. RECORDS CONCERNING COOPERATION WITH THE SOIL CONSERVATION SERVICE.  
1954-57.  10 in.  

Arranged by subject, and thereunder chronologically.  

Correspondence, memorandums, reports, administrative issuances, handwritten notes, newspaper clippings, copies of legislation, agendas, minutes, attendance lists, statistical summaries, maps, and other records regarding USGS cooperation with the Soil Conservation Service in the Watershed Protection and Flood Prevention Program, watershed demonstration projects and the processing and publishing of project records, and the compilation of the SCS Watershed Handbook. Also includes information on USGS cooperation in the compilation of the Department of Agriculture's National Inventory of Soil and Water Conservation Needs--published in 1962 in the "Basic Statistics of the National Inventory of Soil and Water Conservation Needs" (Statistical Bulletin 317).

482. RECORDS OF BRIGADIER GENERAL HANS KRAMER CONCERNING NEGOTIATION OF THE ARKANSAS RIVER COMPACT.  1945-49.  15 in.  

Arranged alphabetically by subject, and thereunder chronologically.  

Correspondence, memorandums, reports, minutes, transcripts of meetings, membership lists, drafts of compacts, copies of signed compacts, copies of legislation, certificates of ratification, press releases, newspaper clippings, and other records relating to Kramer's official duties, negotiation of the compact, operation of the John Martin Reservoir, and cooperation with the Federal Power Commission, Department of Agriculture, and the Army Corps of Engineers. Includes correspondence, reports, and statistical summaries, and tables regarding investigations conducted by the "Committee on Engineering Data and Studies of the Colorado," which the Commission established on March 26, 1946, to assemble and analyze engineering data needed to formulate the compact. Also contains a 1943 report of the Special Master (a judicial official) concerning the U.S. Supreme Court case, "The State of Colorado vs. The State of Kansas and the Finney County Water Users' Association."  

Many of the transcripts of the Commission's meetings also are in entry 484.

483. RECORDS OF BRIGADIER GENERAL HANS KRAMER AS CHAIRMAN OF THE ARKANSAS RIVER COMPACT COMMISSION.  1949-60.  2 ft.  

Arranged by subject, and thereunder chronologically.  

Correspondence, memorandums, computed reports, annual reports, statistical summaries, newspaper clippings, copies of rules and regulations, agendas, minutes of meetings, attendance lists, schedules, committee reports, photographs, plats, graphs, and other records concerning the organization, operation, and investigations of the Arkansas River Compact Administration (ARCA). Includes files relating to a study on the feasibility of establishing a permanent fishpool in the John Martin Reservoir, the investigations of Caddo Reservoir, and the Frying Pan-Arkansas water-diversion project in Colorado. Also contains information on the ARCA's cooperation with and review of the Army Corps of Engineers' John Martin Reservoir Project; the Department of Agriculture's Fountain River Watershed Project, the Bureau of Reclamation's Purgatoire River Project, Trinidad, Colorado. Other records relate to the ARCA's cooperation with the Arkansas-White-Red Basin Inter-Agency Committee and its subcommittee. The majority of records date from 1949 to 1956, but also include the daily reports of the operation of Caddo Reservoir, from January 1957 to April 1960, and copies of the minutes from the meetings in 1959 and 1960 of the Arkansas-White-Red Basin Interagency Committee. Many of the minutes from ARCA's meetings also are in entry 485.

Arranged chronologically.

Brigadier General Hans Kramer's copies of the transcripts of ARCA's meetings, generally held every 2 or 3 months. Copies of many of these transcripts also are in entry 482.

485. MINUTES AND OTHER RECORDS OF THE ARKANSAS RIVER COMPACT ADMINISTRATION. 1949-55. 5 in.

Arranged chronologically or by subject.

Chiefly minutes of ARCA's regular, annual, and special meetings, but with some minutes of meetings that predate congressional approval of the compact in 1950. Also includes copies of regulations, plats, and Brigadier General Hans Kramer's report to Congress in 1949 regarding the Arkansas River Compact. Copies of some of these minutes also are in entry 483.

486. RECORDS OF CARL GUSTAVE PAULSEN AS CHAIRMAN OF THE ARKANSAS RIVER COMPACT ADMINISTRATION (ARCA). 1957-60. 3 in.

Arranged chronologically.

Minutes of meetings, correspondence, memorandums, reports, annual reports, and other records relating to the implementation of the compact's provisions.

For earlier records relating to Arkansas River Compact Administration, see entries 482-485.

487. GENERAL RECORDS OF THE LAKE MEAD AND LAKE HEFFNER PROJECTS. 1947-56. 3 ft.

Arranged by subject or type of record, and thereunder chronologically.

Correspondence, memorandums, drafts of reports, completed reports, press releases, handwritten notes, newspaper clippings, statistical summaries, photographs, plats, and other records regarding the administration and operations of the Lake Mead and Lake Heffner projects. Also includes vouchers, purchase orders, completed "bill of lading" forms, and summaries of expenditures relating to estimates and allotments, transfer of equipment, and travel and expenses of personnel; and correspondence and memorandums regarding cooperation with other departments and with the Bureau of Reclamation, Weather Bureau, and reports from conferences on the Lake Mead project; and reproductions of Lake Heffner data. It should be noted that records concerning both projects appear in many of the files, contrary to the information given on the file labels. Records concerning the Lake Mead project date from 1947. Records concerning the Lake Heffner project date from 1950.

The Lake Mead project, in cooperation with the Bureau of Reclamation and the Navy Department, investigated the sedimentation, salinity structures, and water budget for Lake Mead, Nevada. The Geologic and Topographic Divisions also participated in the Lake Mead project. The joint Federal study of seepage and evaporation in Lake Heffner, Oklahoma, determined and evaluated water losses.

Related records are described in the following three entries and entry 637.

154
488. REPORT CONCERNING THE LAKE MEAD PROJECT. Feb. 1954. 2 in.


489. VOLUME AND AREA COMPUTATIONS FOR THE LAKE MEAD PROJECT. 1948-49. 1 in.

Most of the computation tables are numbered consecutively, and followed by a few loose papers.

Working statistical summaries, charts, tables and graphs, and other records.

490. RECORDS CONCERNING THE LAKE MEAD SEDIMENTATION SURVEY. 1948-49. 1 ft. 4 vols. and unbound material. [NWCS, maps and plans]

Arranged by subject and sometimes thereunder by site.

Included are handwritten notes, level notes, graphs showing water-temperature measurements and water-level data, triangulation and other control-coordinate sheets, lists of triangulation-station locations, and notebooks and note cards with sounding observations.


The records are in envelopes arranged by assigned number, from 1 to 56. See Appendix 29 in this inventory for a list of the maps found in the records. The appendix gives each map number (1 to 79), river basins and drainage areas covered by each map, and the envelope number where the map and related records can be found. The map numbers do not correspond to the envelope numbers. Many files contain information on several maps.

Chiefly annotated maps and statistical summaries showing the priority rating of each station for river basins and drainage areas. These records were compiled by the work groups of the Subcommittee. Also includes correspondence, lists of proposed hydrologic stations, copies of instructions, memorandums, and minutes of meetings relating to the proposals and recommendations of subcommittee members for gaging stations and ground-water investigations; and computer print-out sheets of the processed data regarding proposed hydrologic stations. The last box contains a typed summary arranged by map number giving the locations of stations, a justification for each station, State, and priority rating.

The Subcommittee included representatives from the following agencies: USGS, Army Corps of Engineers, Bureau of Reclamation, Weather Bureau, Bureau of Indian Affairs, Forest Service, Soil Conservation Service, Fish and Wildlife Service, Bureau of Land Management, Federal Power Commission, International Boundary and Water Commission, Public Roads Administration, Public Health Service, Southwest Power Administration, and the Tennessee Valley Authority. Each agency presented its general needs and uses for hydrologic data at regional conferences of the Subcommittee. The river-basin work groups then considered the needs of each agency in setting priorities for the establishment of each proposed river station.


Arranged in two chronological sequences: 1908; and 1910-12.

155
The records for 1908 include correspondence, reports, memorandums, statistical summaries, and newspaper clippings regarding the amount of electricity, coal, and gas used by the Federal and District governments in the District of Columbia.

Of particular interest is a report by Marshall O. Leighton, Chief Hydrographer, on "The Use of Power by the General and District Governments in the District of Columbia," and a report by a U.S. Assistant Attorney on the legal rights of the United States and the District to the waters of the Potomac and power privileges at Great Falls.

The records for 1910-12 include correspondence, reports, memorandums, statistical summaries, plats, diagrams, maps, handwritten notes, and other records concerning the USGS study of the practicability of developing water power on the Potomac River at or near Great Falls, to supply energy for the District's street lights and other artificial-lighting needs.

493. RATING TABLES FOR SINGLE-POINT AND COMBINATION METER MEASUREMENTS TAKEN AT CHEVY CHASE, MARYLAND. 1909-12. 0.5 in.

Unarranged.

Completed forms, apparently used in comparison tests of these two meters.
NOTEBOOKS RECEIVED FROM THE BUREAU OF RECLAMATION. 1892-1928. 8 in. 9 volumes

Arranged in chronologically by date of compilation.

The notebook contents are: field notes on Pecos River meanderings (Reed, 1892); administrative notes and diary entries on travel in western states (Newell, 1894); notes on triangulation sites (location and author not given, 1899); level notes on Menominee drainage, Michigan (Herdman, 1919); level notes on the Lake Waccamaw tract, North Carolina (Bissell, 1928); and notes on the Potillas Canal, Damsite and Reservoir, and Upper Millinea Reservoir, Puerto Rico (Pace, n. d.).

FIELD NOTEBOOKS CONTAINING HYDROLOGICAL DATA. 1907. 4 in. 8 volumes and an index.

Arranged by assigned number. The index to the notebooks is arranged by county, and thereunder alphabetically by town.

Notebooks compiled by Stephen R. Capps and Frederick G. Clapp that contain data on underground water in northern Indiana. A typical notebook contains rough topographic sketches showing the location of wells or springs; narrative description of areas where sites are located, type of well, depth, and nature of geologic strata; and well-record tables, showing the name of the owner, county, town, name of the driller, depth, method of construction, year, size, depth to water, volume of flow, type of pump, yield, and other information.

STATISTICAL REPORTS FOR THE DIVISION'S PROGRAM OF 1949. 5 in.

Arranged by type of document in three sets, thereunder by State or district office, and thereunder by Branch.

The first set of reports show the estimated number of daily and periodic stream-gaging stations and the sources which funded their operations. The second set shows the estimated distribution of staff time by activity. The third set shows an analysis of the 1949 program by activity interests.

RECORDS RELATING TO FORMULATION OF THE ANNUAL BUDGET FOR 1951. 1949-50. 5 in.

Arranged by type of record, thereunder by Branch, and thereunder by field office or project.

Forms, completed for Fiscal 1950, showing estimates of the type and number of water records collected by the States under various sources of funds, schedules of projects begun or ongoing, estimates of obligations by functions, statistical summaries, and other records. The records were compiled in accordance with Fiscal Order 49-16 of June 20, 1949, and Fiscal Instruction 22.2, dated June 22, 1949.

ANNUAL STATISTICAL REPORTS CONCERNING HYDROLOGIC DATA COLLECTED AND PROJECT INVESTIGATIONS. 1950-53. 1.5 ft.

Arranged chronologically, thereunder by Branch, and then by district or field office.

Reports, accompanied by a few memorandums, and oversized statistical tables, giving the annual statistics for the hydrologic data collected by the Division in cooperative and other programs, a brief description of the investigations by the branches, their sources of funding, and plans for publication.
499.  MONTHLY AND QUARTERLY REPORTS ON DATA REQUESTED.  Apr. 1951-June 1952.  2 ft.

   Arranged chronologically: reports for April 1951 to September 1951 are arranged by month; the remainder by quarter, and thereunder by Branch, and thereunder by district or field office.

   Copies of "Report of Data Requested" that give statistical summaries for the sources of requests (other Federal agencies, States, municipalities, other local units, commercial firms, and individuals). Includes the major use of the data, the types of requests and data furnished, and the adequacy of replies; and the "Record of Data Requested," which gives narrative summaries of the requests and replies. Also contains a few memorandums and oversized statistical tables.

   The requests were received by the Division from Federal agencies, States, municipalities, countries, water districts, and private firms for information relating to streamflow records, the design and operation of water-supply systems, pollution and flood investigations, and the general development of water resources.

500.  RECORDS CONCERNING "THE DYNAMICS OF WINDMILLS," BY J. ALFRED GRIFFITHS.  1898-99, 1901.  3 in.

   A complete copy of Griffiths’ manuscript including statistical summaries and graphs computing the efficiency of windmills; an 1899 letter (19 pages) from Thomas O. Perry to Frederick H. Newell, Hydrographer, giving a detailed critical review of the manuscript; and a 1901 letter from Griffiths inquiring about publication of the manuscript. The series also contains two partial annotated copies of the manuscript.

501.  UNPUBLISHED MANUSCRIPTS.  1904-6.  9 in.

   Arranged in the order given below.


502.  ANNOTATED "SUMMARIES OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES BY SECTIONS." ca. 1909.  5 in.

   Arranged by geographical sections of the United States.

   A set of Weather Bureau publications containing summaries of climatological data including narrative reports, tables, and maps. Many of the maps have annotations by Henry Gannett, a member of the Topographic Branch staff.

503.  PLANS AND DIAGRAMS RELATING TO EQUIPMENT FOR THE COMPILATION OF HYDROLOGIC DATA IN CANADA.  1911.  7 items.

   Plan for a current-meter rating station and diagrams of a (cable) car for a station at Calgary, Alberta (3 items); and the rating curves for Gurley's electric meters (4 items). The plans and diagrams were prepared by the Irrigation Office of the Department of Interior, Dominion of Canada.
504. RECORDS CONCERNING STREAM-GAGING STATIONS IN WEST VIRGINIA, OHIO, AND KENTUCKY. 1915-16. 2 in.

Arranged by State, as listed above, and thereunder by river, stream, or creek.

Reports (describing river stations), graphs, and printed maps concerning stream-gaging stations, rating curves, and topography of streams.

505. REPORTS OF DAILY GAGE READINGS AT THE PUMPING STATION IN MEMPHIS, TENNESSEE. July 11, 1922 - August 29, 1923. 5 in.

Arranged chronologically.

Completed forms showing hourly gage readings and other data, sometimes accompanied by comments. Some forms include numerical information about the operation of the engine, pumps, and boilers.

506. TABLES OF AREA OF WATER BODIES IN THE MERRIMACK AND CONNECTICUT RIVER BASINS. Undated. 21 pages.

Information on the Merrimack River tables is arranged geographically, beginning with the East Branch of the Pemigewasset River, and progressing down the basin in the order in which the tributaries empty into the Merrimack River; information on the Connecticut River tables is arranged geographically, beginning with the Third Connecticut Lake and progressing down the basin.

Tabular data concerning the area of all the principal water bodies in the Merrimack River Basin (lakes, ponds, and reservoirs). Data for each water body include its name (when known), longitude and latitude, mean sea-level elevation, area of water surface in acres, and an approximate description of its location. Also included is a summary table for all principal tributaries.

507. BACKGROUND DATA FOR WATER-SUPPLY PAPERS. 1935-40. 19 ft.

Arranged numerically by Water-Supply Paper, 771, 772, 796F, 796G, 798, 799, 800, 837, 838, 839, 842, 843, 844, 867, 869, 915, 966, and 1066, thereunder by subject, surname of correspondent, or type of data.

Working and printed copies of statistical summaries and tables, annotated manuscripts and maps, graphs, charts, narrative and bound reports, published articles, oversized statistical tables, plats, copies of offset sheets, photographic prints, and other records that appear to have been used in the preparation of water-supply papers. These records relate chiefly to the effects of storms and floods on river-basin areas. The statistical data contain hydrological and meteorological information, including precipitation, runoff, and discharge measurements, riverflow computations, measurements of ocean-wave height, and ground-water analyses.

Also includes correspondence, memorandums, and minutes of meetings regarding the plans and progress of project investigations, collection of data, transfer of funds, loan of data and supplies, recommendations to correct or amend the water-supply papers, and publication of the papers.

Many of the publications were prepared with the aid of funds from the Works Progress Administration and Public Works Administration. Information was received from a number of cooperating sources, including the Weather Bureau, Army Corps of Engineers, Soil Conservation Service, National Resources Planning Board, and State agencies.
Of particular interest are records relating to an investigation by the National Resources Planning Board's Subcommittee on the Gila Basin, which was asked to report on the relationship between land-improvement practices and quality and quantity of water in the Gila Basin in Arizona and New Mexico. The Subcommittee was established in 1940 after a report that the Department of Agriculture's soil-conservation practices had harmful effects on streamflow that resulted in losses to the San Carlos Indian Reservation and surrounding area. These records appear to have been added as a follow up to USGS Water-Supply Paper 796-F, "Geology and Ground-Water Resources of the Valley of the Gila River and San Simon Creek, Graham County, Arizona" (by Maxwell M. Knechtel, 1938).


Arranged by volume, followed by a general reference file.

Annotated manuscripts of the three unpublished volumes of Follansbee's history of the Water Resources Branch: Volume 2, "Years of Increasing Cooperation, July 1, 1919 to June 30, 1928"; Volume 3, "Years of 50-50 Cooperation, July 1, 1928 to June 30, 1939"; and Volume 4, "Years of World War II, July 1, 1939 to June 30, 1947." The general file contains memorandums concerning the manuscripts, and photographic prints of Nathan C. Grover, staff, field laboratories, gaging stations, wells, and equipment.

A cloth copy of Follansbee’s Volume 1, "A History of the Water Resources Branch of the United States Geological Survey, to June 30, 1919," donated by the estate of Charles S. Howard, a pioneer in water-quality investigations, has been placed with the records. The volume was formally published by the U.S. Government Printing Office in 1994 as a USGS Special Book.

White Mountains Investigation, 1896-1932

The collection of waterflow and precipitation data in the White Mountains region was undertaken under the provisions of the act of March 1, 1911 (36 Stat. L., 962), known as the “Weeks Act,” in cooperation with the National Forest Reservation Commission.

509. SUBJECT FILES OF THE SURFACE WATER DIVISION OFFICE IN NORTH WOODSTOCK, NEW HAMPSHIRE. 1911-12. 15 in.

Arranged alphabetically by subject or surname of correspondent, and thereunder roughly chronologically.

Chiefly correspondence, but also includes reports, monthly reports, memorandums, completed contracts and employment forms, vouchers, account sheets, receipts, statistical summaries, a ledger of nonexpendable property, catalogs, publications, plats, diagrams, and other records regarding the White Mountains Investigation. The correspondence is chiefly between the Engineer-in-Charge, John C. Hoyt, or the Assistant Engineers, Charles R. Adams and Guy C. Stevens, and various Junior Engineers, assistants, and goods suppliers. Included is information on the progress of the investigations, the collection and analyses of data, instructions and recommendations, field employees, expenses, and the purchase of supplies.

510. DATA FILES. 1906, 1911-12. 2 ft.

Arranged as follows: Ammonoosuc River, Anderson Brook, Burnt Brook, Covert Brook, Fabyans (meteorological observations at various sites), Flume Brook, Gibbs Brook, Mad River (at Waterville), Mad River (West Branch), Shoal Pond Brook, and Zealand River, followed by three general files.

Statistical summaries, sometimes accompanied by charts and correspondence, of the data collected as part of the White Mountains Investigation. The statistical summaries, sometimes termed field notes, give river-height observations, precipitation and runoff data, and the mean figures for the snow and water equivalent of drainage sites. There are also a few pages of correspondence concerning hydrographic work in the White Mountain region dated 1906 in the last folder.

511. RECORDS CONCERNING DISTRIBUTION OF EXPENSES. May 1911- March 1913. 3 in.

Arranged in two parts: the first by month, and thereunder chronologically; the second by drainage project.

Completed charge sheets showing the distribution of expenses incurred from the White Mountains Investigation; each sheet gives the date, to whom paid, and total amount and purpose of expenditure. Also includes completed account sheets for various drainage projects that give voucher number, date, to whom paid, and purpose of expenditure.

The corresponding vouchers have not been found.


Arranged in numerical order by voucher number.
Individual entries give the voucher date, voucher number, to whom paid, date forwarded, amount, purpose of expenditure, contract field number, contract data, and remarks. Some of the corresponding contracts can be found in entry 509.

The corresponding vouchers have not been found.

513. ADMINISTRATIVE RECORDS. 1911-13. 4 in.

The first two files are arranged by subject; the remaining files are arranged chronologically by month.

Correspondence, handwritten notes, lists of property (purchased, loaned, and abandoned or lost), ledger sheets, bills, vouchers, and statistical summaries regarding the purchased, rented, and abandoned or lost equipment and property of the White Mountains Investigation, the loan of equipment from the Weather Bureau and Forest Service, the payment of storage and rental fees, and housing and expense accounts for the members of the Investigation.

514. RECORDS CONCERNING PRECIPITATION DATA. July - December 1911. 10 in.

Arranged by the following streams or gaging sites: Ammonoosuc, Crawfords, Waterville, North Woodstock, East Branch, and Zealand, and thereunder by location of recorded observations.

"Gage Height Observations" notebooks that contain dates, observer's name, precipitation data, and remarks on meteorological and rain-gage conditions.

515. DATA COMPILATIONS AND OTHER RECORDS. 1896, 1903-6, 1911-13. 10 in.

Arranged by subject, but not all the documents that pertain to a subject are found together.

Statistical summaries, charts, drafts of reports, completed reports, plats, correspondence, and photographic prints that were apparently compiled and maintained by the North Woodstock Office. Includes data on precipitation measurements, the ratio of flood period to crest, runoff analyses, and flood intensity; reports on soil studies, spring runoff, and the relations of forests to streamflow; and narrative descriptions of gaging stations. Also contains some runoff data from 1896, some correspondence dated 1904, a report on the hydrography of the White Mountains region during September 1903 to October 1906, and lists of photographs taken by various observers in 1912.

516. WATER-DISCHARGE MEASUREMENTS AND CURRENT-METER NOTES. August 1911 - August 1912. 10 in.

Arranged alphabetically by river station, and thereunder chronologically.

Discharge-measurement notes taken for the White Mountains Investigation that include date, location, width, area and mean velocity of water at station site, discharge measurements, time of measurement, method of suspension, and notes on weather and station conditions.

517. FIELD NOTES CONCERNING GAGING STATIONS AND READINGS. 1911-12. 1 ft.

Arranged by the surname of the engineer, and thereunder chronologically.
Daily narrative entries by the field engineers of the White Mountains Investigation that include information on their work procedures, installation and maintenance of gaging stations, meteorological conditions, and gage readings. Some of the field notes include statistical data.

518. RECORDS OF RIVER STATIONS. 1911-12. 4 in.

Arranged alphabetically by river station or other site: Ammonoosuc River near Breton Woods, Ammonoosuc River near Twin Mountain, Halfway Brook, Jackman Brook, Lost River, Mad River above Flume Brook, Mad River below Flume Brook, Moosilauke River below Pike Brook, North Woodstock Meteorological Station, Osceola Brook, Pemigewasset River at Plymouth, Middle Branch Pemigewasset River at North Woodstock, Pike Brook near mouth, Shoal Pond, and Stillwater Meteorological Stations.

Chiefly statistical summaries that include data for meteorological observations, rain-gage measurements, gage-height observations, precipitation intensity, and discharge and runoff measurements taken at various river stations in New Hampshire. Many files also contain blueprint copies of forms describing the station including information such as station location, drainage area, type of gage, channel, date established, and a sketch showing the location of the gage.

519. ORIGINAL GURLEY PRINTING-GAGE RECORDS. February-November 1912. 25 spools.

Arranged by brook, and thereunder chronologically.

Original print-out tapes from Gurley stream gages for Anderson Brook, Burnt Brook, and Shoal Pond Brook. Each spool of tape is annotated to show the place and time span of measurements.

520. REPORTS AND OTHER RECORDS CONCERNING THE HYDROGRAPHY OF THE WHITE MOUNTAINS IN NEW HAMPSHIRE AND OTHER REGIONS. 1911-13, 1932. 5 in.

Arranged roughly by subject.

Chiefly reports, but also includes correspondence, statistical summaries, tables, photographic prints and negatives, and other records relating chiefly to the hydrographic investigations of the White Mountains. Included are the original annotated draft and a 1960 reproduction of the final report of the investigation, "The Relation of Forests to Stream Flow," and an undated digest of the report; photographic prints and negatives of timber land in the White Mountains region; a preliminary report, dated 1904, of the hydrographic work in the White Mountains region; and a list of gaging stations and a report on the hydrographic investigations in the Appalachian Park region. Also includes correspondence, dated 1932, regarding the transfer of White Mountains records by the district engineer to the central office of the USGS.

521. CONTOUR MAPS [RELATING TO THE WHITE MOUNTAINS INVESTIGATION]. 1911-12. 19 items. [NWCS, maps and plans]

Arranged by watershed or stream.

The maps show the locations of stream-gaging stations, snow scales, and rain gages. The maps were compiled in cooperation with the National Forest Reservation Commission. There is an original and a copy of each map. The series is accompanied by later topographic-quadrangle maps of the area, which were probably added to the collection for reference purposes.
522. **MISCELLANEOUS STREAMFLOW DATA.** 1903-25. 4 in.

Arranged by subject.

Statistical tables and summaries, reports, correspondence, and handwritten notes concerning water resources in the White Mountain area. Includes information relating to streamflow data, storage reservoirs, and forest conditions. Interspersed in the files concerning the Connecticut River at Oxford, New Hampshire, and Ten Mile River are correspondence, statistical tables, and graphs, dated 1913-25, concerning inquiries and analyses on the waters of this region.

523. **PHOTOGRAPHS RELATING TO THE WHITE MOUNTAINS INVESTIGATION FROM THE JOHN CLAYTON HOYT COLLECTION.** 1911-12. 1 album. 1 in.

Unarranged. Each print is captioned and dated. This is series JCH (NWCS, still pictures).

Black and white prints, varying in size from 3.25 in. x 4.25 in. to 3.25 in. x 5.5 in., show snow scales, stream-gaging stations and drainage basins. The streams show are Anderson, Burnt, Flume, Gibbs, and Shoal Pond Brooks, and the Ammonoosac, Mad River and West Branch Mad River. There are also a few photographs showing logging operations and members of the study party at the Stillwater Camp.

Negatives for the photographs bearing numbers preceded by the letter “A” are described in series WMN (entry 525).

A note found with the photographs states that these items were salvaged from Hoyt’s collection.

524. **PHOTOGRAPHIC PRINTS.** 1911-12. 2 albums and unmounted photographs. 6 in.

The photographs in the albums are unarranged. The unmounted photographs are arranged in two sets “A” and “B” and thereunder by agency assigned number. Many of the prints carry titles and dates. This is series WM (NWCS, still pictures).

Black and white prints showing gaging stations, snow-scale sites, erosion scars, cut-over land, forest growth and scrub cover, and panoramic views of watersheds and drainage basins. The streams shown in the photographs are the Ammonoosuc River, Anderson Brook, Burnt Brook, Covert Brook, Flume Brook, Gibbs Brook, Halfway Brook, Jackman Creek, Lost River, Mad River, Moosilauke River, Pike Brook, West Branch Mad River, Shoal Pond Brook, and Zealand River. Most of the photographs were taken in 1912.

Negatives for many of the prints with numbers preceded by the letters “A” and “B” are described in series WMN (entry 525).

525. **PHOTOGRAPHIC NEGATIVES.** 1911-12. 10 in.

Arranged in two sets “A” and “B,” and thereunder numerically by agency assigned number. This is series WMN (NWCS, still pictures).

Black and white negatives (4 in. x 6 in.) corresponding to the photographs described in series JCH (entry 523) and WM (entry 524).
Records concerning the Superpower Survey, 1918-23

The Sundry Civil Expenses Act of June 5, 1920 (41 Stat. L., 911), included provisions for an investigation by the USGS of the electrical-power requirements of the industrial region between Boston and Washington, D.C., and the preparation of a report on the benefits of establishing a comprehensive system to provide electricity to industrial users in the region. The investigation also was known as the Superpower Survey. The Water Resources Division provided administrative support for the work. The findings of the survey were published in 1921 as USGS Professional Paper 123, “A Superpower System for the Region between Boston and Washington,” by William S. Murray and others.

526. RECORDS CONCERNING THE ORGANIZATION OF THE SUPERPOWER SURVEY. 1918-20. 1 in.
Unarranged.

Chiefly copies of letters from utilities, industries, railways, engineering associations, newspaper editors, and others to the USGS, Interior Department officials, and members of Congress justifying a superpower investigation. Also includes copies of data, a project budget, and background statements prepared by the Water Resources Division for the use by the USGS Director during appearances before congressional committees.

527. ADMINISTRATIVE FILES. 1918-22. 5 in.
Arranged by subject.

Correspondence, processed reports, and other records concerning the organization and expected benefits of the superpower survey, publication of the survey report, and coordinated hydroelectric development based on recommendations in the report. Also includes a reply (from the Secretary of the Interior) to an inquiry from Col. Joseph H. Pratt, North Carolina Geological and Economic Survey, regarding a survey of superpower potential in the Southeast, and a draft of a proposed Federal Charter to incorporate the North Atlantic Superpower Company, prepared by Edward G. Buckland, a member of the Superpower Survey Advisory Board.

528. CORRESPONDENCE WITH SUPERPOWER-SURVEY STAFF AND OTHERS. 1919-23. 5 in.
Arranged chronologically.

Mostly copies of letters sent by the Chief Hydraulic Engineer and other USGS officials and letters received from the Chairman, William S. Murray, Engineer-Secretary, Henry Flood, Jr., and Chief Clerk, John J. Madigan of the Superpower Survey, concerning the organization and responsibilities of the survey team, appointments, requests for information and related topics. Also includes correspondence with other individuals interested in the superpower survey and copies of reports, memorandums, and statistical tables depicting river flow and amounts of power generated by utilities.

529. CORRESPONDENCE OF THE CHAIRMAN, WILLIAM SPENCER MURRAY. 1920-21. 5 in.
Arranged in rough alphabetical order by subject, name of correspondent, or organization.
Chiefly correspondence with engineering associations, newspaper editors, and others concerning engineering problems associated with the development of hydroelectric resources, and the impact and anticipated benefits of the superpower-survey report. Also includes copies of articles, reports, speeches and printed items.


Arranged in rough chronological order.

Correspondence and telegrams relating to appointments, travel, expenses, and related matters.

531. ENGINEERING-STAFF CORRESPONDENCE AND DATA FILES. 1920-21. 2 ft.

Most of the files are arranged alphabetically by name of utility, railway, or other subject. Three untitled files are at the end of the series.

Chiefly maps showing the areas served by utilities. Also including maps showing the location of railway lines and the generating stations serving the lines, tables and graphs, annual reports of utilities, reports on survey-team field trips, and other records.

532. MINUTES OF THE ADVISORY BOARD. 1920-21. 3 in.

Arranged chronologically.

Minutes of eight meetings, held in New York and Washington, D.C., between Sept. 24, 1920, and June 23, 1921. Also includes minutes of an Engineering Staff meeting on May 29, 1921, and an executive session of the Advisory Board after a special meeting on May 13, 1921.

533. STATISTICAL COMPUTATIONS FOR HYDROELECTRIC DEVELOPMENT. 1918-21. 5 in. 3 binders.

Arranged by name of river.

Tables, diagrams, and graphs showing the discharge of water at power sites, comparative flow of tributaries, average and minimum years' duration of flow, elevation of crest, and kilowatt-days of power available from natural flow. Many measurements date from 1909 interspersed with some data from the 1880's. The computations are for the Delaware, Hudson, Black, Raquette, Potomac, Susquehanna, Lehigh, St. Lawrence, and Connecticut Rivers.

534. SUPPORTING DATA FILES. 1919-21. 10 in.

Arranged by subject.

Contains steam-electric-power analysis sheets, data regarding the hydroelectric potential of various rivers (contains some data from the 1890's), lists of electric-power utilities in the northeast superpower region, progress reports, tabulated data, memorandums, correspondence, tables, graphs, and other records used to compile the superpower-survey report. There is also a set of replies to letters sent out by Lorin E. Imlay, Division Engineer, Power and Transmission, to electric power companies, cable companies, and manufacturers of transmission equipment.

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requesting information about experience with and opinions about power-station capacity and transmission circuits, transmission of electric power over long distances, continuity of transmission line service and related questions.

535. DRAFT REPORT OF THE SUPERPOWER SURVEY. 1921. 5 in.

An incomplete, edited, annotated draft of the superpower-survey report. Some of the appendixes have different titles and numerical designations than those with the final report, which was published as USGS Professional Paper 123, "A Superpower System for the Region between Boston and Washington" (by William S. Murray and others, 1921). Also includes correspondence concerning the content and format of the report.

536. NEWSPAPER CLIPPINGS. 1920-22. 3 in. 1 binder and unbound papers.

The unmounted clippings are arranged alphabetically by name of the newspaper; the clippings in the binder are unarranged.

The unmounted clippings concern the superpower-survey proposal and formation of the survey team. The remaining clippings concern public reaction to the superpower-survey report.
Planning Section, 1953-71

The Planning Section was established in 1956 as part of a general reorganization of the Water Resources Division. The Section succeeded the Program Control Branch, which had been established in 1948 as a staff unit. The functions of the Section included administration and coordination of programs, allocation of funding to the operating branches, and negotiation of agreements and oversight of cooperative projects. The Section reported to the Assistant Chief Hydrologist for Program and Development.

537. PROGRAM FORMS AND OTHER RECORDS FROM THE PLANNING SECTION CONCERNING COOPERATION WITH FEDERAL AGENCIES. 1953-70. 3.5 ft.

Arranged chronologically in three blocks: 1953-60, 1959-64, and 1963-70, and thereunder alphabetically by Federal agency or unit. The 1963-70 material forms the largest segment of the files.

Completed "Yearly Work Plan," "Project Description," and "Summary of Program" forms that provide objectives, descriptions, justifications of the cooperative programs, estimates and allotments, personnel information, and plans for publication. Also includes progress reports, lists of projects, memorandums and statistical summaries relating to proposals for new or further investigations review of projects, and estimates and allotments.

538. PROGRAM FORMS AND OTHER RECORDS FROM THE PLANNING SECTION CONCERNING COOPERATION WITH STATES AND LOCAL UNITS. 1956-68. 5 ft.

Arranged in the following three chronological segments: 1956-59, arranged alphabetically by State or Territory; 1960-61, arranged by region, thereunder chronologically, and then roughly alphabetically by State; and 1962-68, alphabetically by State (only includes Maryland through Wyoming).

Completed "Summary of Program" (including preliminary and revised versions), "Cooperative Agreement Transmittal-Program Description," and "Yearly Work Plan" forms that cover objectives, descriptions, and justifications of cooperative programs with States, countries, municipalities, water districts, Indian tribes, and other associations, estimates and allotments, personnel information, and plans for publication. Some of the forms are accompanied by memorandums, reports, and plats.

539. PROGRAM FORMS AND OTHER RECORDS FROM THE PLANNING SECTION CONCERNING FEDERAL PROJECTS COMPLETED OR TERMINATED. 1957-67. 14 in.

Arranged chronologically.

Chiefly completed "Yearly Work Plan" or "Project Description" forms, but also includes correspondence, memorandums, copies of work proposals, project reports, statistical summaries, completed project-review forms, newspaper clippings, handwritten notes, and other records relating to Federal projects completed or terminated by the Division. Contains recommendations to continue, terminate, or revise certain projects, and information regarding program allotments. Also includes a few memorandums, dated 1969, regarding the Lake Mead Evaporation Study and recommendations for recalibration.
Arranged by type of form in two segments: “Project Descriptions” and “Summary of Program,” and thereunder alphabetically by State. At the end of the first segment there are four additional files: Headquarters, Atlantic Coast Region, Rocky Mountain Region, and Pacific Region.

Chiefly completed “Project Description” (included revised versions) and “Summary of Program” forms that give objectives, descriptions, justifications of the cooperative programs, estimates and allotments, personnel information, and pleas for publication. Some of the forms are accompanied by “Project Proposal” statements, “Scope and Method” memorandums, maps, project outlines, and press releases. Of particular interest is a “Project Description” form concerning a cooperative project with the National Aeronautics and Space Administration to study erosion on the lunar surface (Rocky Mountain Region file).

Arranged in numerically by assigned number.

Chiefly project proposals completed for fiscal years 1968 and 1969. Also included are memorandums, reports, handwritten notes, work plans, copies of legislation, publication, newspaper clippings, statistical summaries, and other records concerning proposals, allotments, expenses, and Division cooperation with the States and other Federal agencies. A few items date from 1952.
542. MANUSCRIPT MAPS OF RIVERS, RESERVOIRS, DAM SITES, AND RELATED AREAS. ca. 1903-43. approx. 1700 items. [NWCS, maps and plans]

Arranged alphabetically by river, river basin, reservoir, dam site, lake, pond, quadrangle name (Grand Coulee), area (Red Lake Indian Reservation, lower portion), or topographic feature (Nisqually Glacier).

Chiefly planetable sheets interspersed with a few tracings. Some of the manuscripts are accompanied by transmittal letters. Many of the manuscript maps were compiled in the field by topographers with the Conservation and Water Resources Divisions of the USGS, the Army Corps of Engineers, and State agencies. Some maps are based on drawings made by the Hydrographic Branch in the 1880's. Most of the maps are in sets.

543. PUBLISHED MAPS OF RIVER SURVEYS. 1912-69. approx. 1090 items. [NWCS, maps and plans]

Arranged alphabetically by name of river.

Most of the maps are in sets, which often include plan sheets, dam-site sheets, and profile sheets.

544. PUBLISHED MAPS OF DAM AND RESERVOIR SITES. 1926-71. approx. 160 items. [NWCS, maps and plans]


Some of the maps show the locations of gaging stations, and depict river profiles. Some sets of maps are stapled together.

545. MAPS OF THE UINTA INDIAN RESERVATION. 1899-1900. 18 items. [NWCS, maps and plans]

Two sets of manuscript maps: the Indian Reservation, showing a 20-ft. contour interval, and the canal line on the reservation showing a 5-ft. contour interval. The surveys were done by Cyrus C. Babb, a hydrographer with the USGS.

546. RIVER-BASIN BASE MAPS. 1912-50. 8 items. [NWCS, maps and plans]

The areas covered are the “Southwest River Basins,” “Colorado River-Great Basin - Pacific Central Areas,” “Colorado River Valley Surveys,” and “Roseau River Valley.”

547. CONTOUR MAP OF THE STORAGE RESERVOIR OF THE BIG HORN CANYON IRRIGATION AND POWER COMPANY. 1916. 1 item.

A blueprint map showing a segment of the Big Horn River in Wyoming and Montana and a detailed contour map of a small section of the river located on the Crow Indian Reservation. There is also a table giving the calculated storage area between the contours. The map was compiled by the company and submitted to the Billings, Montana,
Land Office in 1917. The map is marked “Exhibit J(1), Duplicate.” It is not known how the map became part of the records of the USGS. This map is filed with the textual records.

548. MISCELLANEOUS WATER RESOURCES DIVISION MAPS. ca. 1918-78. 10 items. [NWCS, maps and plans]

The maps are arranged as follows: low-water-table contour map of the sump area in the Closed Basin of the San Luis Valley, Colorado, 1946, with a transmittal letter; map to accompany a report “The Live Stock Industry and Grazing Conditions in Arizona,” 1918, with textual material; water-level change maps showing locations of observation and irrigation wells, and irrigation wells used as observation wells, Utah, about 1962; a map titled “South Lake Tahoe Folio: Flood and related Debris Flow Hazards Map,” 1978; and a “Map of the Platte-Republican Divide Area, Nebraska,” showing contours of the water table and depth to water below the land surface, 1948.

549. ADMINISTRATIVE MAPS. 1927-69. 11 items. [NWCS, maps and plans]

Six of the maps show district boundaries and locations of field offices (1927-48). The remaining maps, titled “United States Water Resources Development” (1958 and 1969), show surface water and related land-resources development completed or under construction.

550. MAPS OF THE TENNESSEE RIVER BASIN. 1933. 3 items. [NWCS, maps and plans]

Maps titled “Mineral Resources of the Tennessee River Basin and Adjacent Areas” and “Tennessee River Basin.” The second map shows locations of river-gaging stations, principal dam sites, and locations of constructed power dams.

551. MAP OF RIVER-MEASUREMENT STATIONS IN GEORGIA. 1940. 1 item. [NWCS, maps and plans]


552. MAP SHOWING THE NORMAL ANNUAL PRECIPITATION FOR COLORADO. 1931-60. n.d. 1 item. [NWCS, maps and plans]

This oversized map is at 1:500,000.

553. HYDROLOGIC-INVESTIGATIONS ATLAS MAPS. 1954-96. approx. 780 items. [NWCS, maps and plans]

The maps are numbered from HA-1 to HA-739. Some maps are bound or stapled into sets. Most of the maps are folded.

554. HYDROLOGIC UNIT MAPS. ca. 1974-90. 63 items. [NWCS, maps and plans]

Arranged alphabetically by State. Some States are grouped by region.

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The maps show regional, subregional, and cataloging unit boundaries. Most of the maps are folded.

555. WATER-RESOURCES INVESTIGATION REPORT MAPS. ca. 1976-87. 54 items. [NWCS, maps and plans]

The maps are numbered from WRI 76-77 to WRI 86-4079. Some of the maps related to waste disposal in the State of Washington. Most of the maps are folded.

Related Water Resource Investigation Reports are described in entry 424.

556. INDEXES TO WATER RESOURCES INVESTIGATIONS. 1976-79. 45 items. [NWCS, maps and plans]

Arranged alphabetically by State. Indexes to reports, maps, and other USGS publications.
Stream gaging, the original and basic function of the Surface Water Division (later Branch), began as part of the work if the Irrigation Survey in 1888, but was not mentioned specifically in its authorization. The Irrigation Survey was abolished in 1890. Frederick H. Newell joined the Topographic Branch as a topographer and continued thereafter some limited work in stream gaging. The act of August 18, 1894 (28 Stat. L., 398), appropriated funds specifically for stream gaging. Under the Irrigation Survey the collection of data on streamflow was carried out only in the Western States. In the 1890's, in response to serious flooding and concerns about the availability of water for municipal purposes, stream-gaging stations were established in several Eastern States and the District of Columbia.

In 1902 the Division of Hydrography was given branch status as the Hydrographic Branch. A Division of Hydrography conducted the stream-gaging work for the new Branch, which in 1906 became the Water Resources Branch. In 1907 the Division of Hydrography was renamed the Surface Water Division. By 1920 the USGS had entered into cooperative agreements with the Bureau of Reclamation, the Office of Indian Affairs, the National Park Service, the Weather Bureau, the Forest Service, the Office of the Chief of Engineers, and many States to conduct stream-gaging work and share data.

557. CENTRAL CLASSIFIED FILES. 1950-63. 6 ft.

Arranged according to the same subject-numeric classification scheme used for the central classified files, entry 52, and thereunder roughly chronologically. The file classifications are: Accounting, Committees, Communications, Education, Equipment and Supplies, Information, Meetings, Organization and Management, Personnel, Programs and Plans, Records, Reports and Statistics, Reproduction, Transportation, Water - General, and Water - Surface.

Memorandums, reports, correspondence, circulars, minutes of meetings, pamphlets, handwritten notes, newspaper clippings, printed articles and other publications, copies of Survey Orders, manuscript contributions to "Water Resources," the Division newsletter (1955-61), completed work-proposal and personnel-action forms, statistical tables and summaries, graphs, diagrams, and other records concerning the administration, policies, and programs of the Surface Water Branch. The primary subject areas concern appropriations and allotments, publications, personnel matters, and Division and Branch research.

Of particular interest are the "Organization and Management" files that document the reorganization of the Water Resources Division in 1956. Also included are agendas, programs, and reports of meetings of the "Speaker's Club" (1956-61); applications, lecture outlines, and study guides relating to courses given by the USGS and other Federal agencies and institutions; and photographic prints of equipment used by the Branch.

Other records relating to specific program areas are in the Central Classified Files of the Division (entry 414) and in records concerning the Branch's specific programs and projects.

558. RECORDS CONCERNING STUDIES OF THE OHIO RIVER BASIN. 1904-17. 2 ft.

Arranged by type of record.

Correspondence, memorandums, reports, statistical tables and summaries, handwritten notes, lists of illustrations, maps, newspaper clippings, published reports, and other records concerning studies of the Ohio River and its tributaries for the "Ohio River Special Paper," which was "to preserve and present, in available form, the many long-time records of gage heights collected by the Army Corps of Engineers, the Weather Bureau and others." Includes 17 field notebooks that contain data on runoff, discharge, gage heights, and precipitation; columnar sheets showing gage
heights, dating from 1938; reports relating to droughts, forest conditions, and rainfall and runoff conditions; 4 in. x 6.5 in. reference cards concerning gage-height data published between 1872 and 1907 (each card gives the gage location, ownership of gage, and duration and publisher of record). Also contains photographic prints of rock carvings ("Indian picture rocks") at Smith's Ferry, Pennsylvania, Wellsonville, Ohio, and Jackson County, Ohio; and photographs of Water Works Gage at Cincinnati, Ohio, and the Chattanooga and Tennessee Rivers Power Company's plant.

An envelope contains a rock from the bottom of the Ohio River at Smith's Ferry, as an example of those on which picture writings were made by the Indians. The files do not contain a copy of the "Special Paper."

559. SCRAPBOOK RELATING TO FLOODS. 1912-14. 2 in. 1 vol.

Arranged in rough chronological order; the front of the volume contains a table of contents.

Includes newspaper clippings, pamphlets, publications, reports, transcripts of articles from newspapers, and congressional documents relating to floods and flood prevention. Among the specific rivers mentioned are the Mississippi, Scioto, Miami, Dayton, and Ohio. Of particular interest are the records concerning the Ohio flood of March and April 1913. The scrapbook appears to have been compiled by Albert H. Horton, District Engineer in charge of surface-water investigations in the Ohio River Basin.

560. RECORDS OF THE PLANS AND OPERATIONS SECTION CONCERNING GAGING STATIONS. 1928-52. 15 in.

Arranged by subject, and thereunder chronologically.

Chiefly statistical summaries and tables, but also includes correspondence, memorandums, circulars, handwritten notes, lists of suggested gaging stations, and other records relating to estimates and allotments for the cost installation, operation, and maintenance of gaging stations, recommendations for new stations, and the status of existing stations.

561. GENERAL CORRESPONDENCE AND RECORDS OF THE PLANS AND OPERATIONS SECTION. 1947-60. 5 ft.

Arranged chronologically by year, and thereunder when appropriate by subject or State.

Correspondence; memorandums; statistical tables and summaries; reports; circulars; completed allotment-ledger forms, "allotment advice forms," "cooperative agreement transmittal forms" (1957-60 only), and "program description forms"; vouchers; maps; plats; computer-printout sheets; and other records regarding the obligations, appropriations, and allotments for cooperative and noncooperative programs of the Branch, and its district and field offices; proposals and recommendations for research and development; and the installation and maintenance of gaging stations. Cooperative programs documented are those for the Bureau of Reclamation, Army Corps of Engineers, Federal Interagency River Basin Committee, Missouri River Basin Committee (1953), and the Northeastern States for flood investigations (1955-56).

562. DATA SHEETS FOR STANDARD CURRENT METERS. ca. 1923-62. 15 in.

Arranged in two sets by the serial number assigned to each meter.

Chiefly "rating curve" and "observations and rating curve" charts, "observation sheets," and "comparisons of ratings" forms completed by the National Bureau of Standards. The forms variously show the type of meter, manufacturer, condition of the meter, method of rating, numerical and charted test results, and date and test number.
Also included are transmittal forms describing meters being shipped, which give the title of the agency that owned the meter, correspondence and memorandums. Most of the meters were the property of or used by the Army Corps of Engineers, Bureau of Indian Affairs, Fish and Wildlife Service, Department of Agriculture, California State Division of Water Resources, municipalities, irrigation districts, electric utilities, and research institutes.

563. RECORDS CONCERNING METERS AND METER RATINGS. 1930-56. 16 in.

Arranged by subject.

Correspondence, reports, statistical tables and summaries, handwritten notes and calculations, diagrams, graphs, photographic prints of meters, and other records concerning the cost, design, and use of meters; observation and rating curves; Branch recommendations regarding the use of certain meters; and other data for current meters. Pygmy Current Meters, Miniature Current Meters, Ice Experimental Meters, Ott Meters, and Experimental "AA"-Type Current Meters are discussed in the records.

564. OFFICE FILES OF JOSEPH VAN BRUNT WELLS, CHIEF OF THE SURFACE WATER BRANCH. 1949-59. 10 in.

Three general files precede nine files arranged by subject.

Chiefly correspondence and memorandums, but also includes newspaper clippings, minutes of meetings and other records relating to personnel matters, activities of professional staff members, suggestions submitted by employees for improving the Branch, and personal activities of Joseph Wells. Several files contain correspondence, memorandums, minutes of meetings, copies of citations, completed personnel-history forms, and forms for the "Report of Compensation Advancement in Recognition of Superior Achievements" that relate to Incentive and Honor awards for the Branch staff.

565. PHOTOGRAPHS RELATING TO A GEOLOGICAL SURVEY OF THE GREEN AND COLORADO RIVERS. 1914, 1915, 1921. 2 albums. 2.25 in.

Arranged by agency assigned number. All photographs are captioned and dated. Each album is accompanied by hand-drawn maps showing where the photographs were taken. This is series GC (NWCS, still pictures).

Black and white photographs taken by Eugene C. LaRue, a hydraulic engineer with the USGS, and others during a 1921 survey down the Green and Colorado Rivers from the town of Green River, Utah to Marble Canyon, near the site of the proposed Lees Ferry dam. A large number of the photographs show the proposed location of a major dam and power station at Lees Ferry. Other photographs include panoramic views of the town of Green River, distant mountains, the Colorado River and adjacent plateaus, tributary streams, and Rainbow Bridge; an Indian cliff house, pictographs, and artifacts; and the survey party traversing rapids and in camp.


Arranged by subject.

Correspondence, memorandums, reports, statistical tables and summaries, graphs, plats, copies of legislation, publications, and other records concerning the accuracy of stream-gaging procedures and stream-flow records;
construction, operation and maintenance of stream-gaging stations; and the measurement of stream and flood flow. The Colorado, Coosa, San Juan, Deschutes, Mouse (Souris), Columbia, and Snake Rivers are mentioned by name. Also included is information relating to cooperation with other Federal agencies, States, municipalities, water districts, and research institutions on stream-gaging projects; the New England floods of 1927; a report by Joseph T. Pardee, about 1927, on the "Geology of Damsites on Skagit and Sauk Rivers, Washington"; and correspondence and other records concerning the work of the Run-Off Committee of the Boston Society of Civil Engineers (1920-23).

567. RECORDS CONCERNING GAGING PROJECTS ON STREAMS CONTIGUOUS TO THE UNITED STATES AND MEXICO. 1925-33. 2 in.

Arranged chronologically.

Correspondence, memorandums, reports, press releases, vouchers, statistical summaries, handwritten notes, plats, and other records concerning stream-gaging projects and seepage investigations on the water boundary between the United States and Mexico. The funds for these projects were allotted by the American sections of the International Water and Boundary Commissions. Includes information relating to the distribution of funds; coordination of stream-gaging work with Mexico; and the construction, operation and maintenance of gaging stations in boundary waters.

568. REPORTS AND OTHER RECORDS SENT TO THE TECHNICAL STANDARD SECTION CONCERNING THE HIGHWAY PROGRAM. 1940-62. 6 in.

Arranged alphabetically by State and thereunder alphabetically by stream or river.

Chiefly reports, with statistical tables and summaries, plats, and diagrams which discuss flood-flow characteristics at proposed bridge sites in Minnesota, South Carolina, and Washington. Also includes memorandums concerning technical and editorial comments and recommendations. These records may have once been part of a larger series and were retained as a sample.

569. FIELD NOTEBOOKS CONCERNING DRAINAGE AREAS IN THE UNITED STATES. ca. 1908-44. 10 in. 30 vols.

Arranged by drainage area and thereunder, when appropriate, by subject or type of data.

Annotated field notebooks of USGS engineers which contain compilations of drainage-area acreage, runoff, and water-power potential. The first nine volumes concern a study of runoff and horsepower in the United States, prepared for the Conservation Commission in 1908 and summarized in USGS Water Supply Paper 234, “Papers on the Conservation of Water Resources” (by Henry Gannett and others, 1909). Other field notebooks include information on drainage areas of the Ohio River Basin (ca. 1909-16); Santa Ynez River (1924); Salton Sea (1932); Potomac River Basin (1920, 1930); Delaware and Raritan River Basins (1922-44); and Kanawha River Basin (1935-36).

The related maps are described in entry 570.

570. MAPS OF THE DELAWARE, POTOMAC, AND NEW-KANAWHA RIVER BASINS. ca. 1920-22. 2 in.

Arranged by river basin. These maps are filed with the textual records.
Chiefly quadrangle maps. Some of the maps are annotated. Also included is a 1922 chart showing stream-gage readings from sites in the Delaware River Basin.

571. RECORDS CONCERNING THE NEW-KANAWHA RIVER STUDIES. ca. 1933-36. 15 in.

Arranged by subject or type of record.

Statistical tables and summaries, reports, correspondence, memorandums, copies of testimony, copies of "Bill of Complaint," maps, handwritten notes, newspaper clippings, and other records concerning the data collected by the Surface Water Division on the New-Kanawha River at the request of the Federal Power Commission. The USGS was asked to furnish expert testimony regarding stream flow at certain points in the New-Kanawha River Basin for the court case "United States vs. Appalachian Electric Power Company." The U.S. Government sought to compel the power company to procure a Federal Power Commission license for a power project on the New River, in the vicinity of Radford, Virginia.

Included in the records are drainage and stream-flow measurements; gage-height records; and a notebook for June-July 1936, maintained by Charles H. Pierce, a Senior Hydraulic Engineer with the Division, who compiled much of the data for this case and appeared as an expert witness.

572. REFERENCE FILE CONCERNING HYDRAULIC RESEARCH AND DEVELOPMENT. ca. 1930-49. 7 ft.

Arranged by subject.

Correspondence, memorandums, drafted and final reports, statistical tables and summaries, circulars, bulletins, pamphlets, brochures, printed articles, publications, newspaper clippings, handwritten notes, annotated manuscripts, diagrams, graphs, plats, maps, price lists for equipment, and other records. These materials appear to have been maintained as a general-reference file on research and development by the USGS and other Federal agencies that related to hydraulics, particularly surface-water issues. Includes records on the projects of the National Hydraulic Laboratory of the Bureau of Standards and research proposals submitted by Surface Water Division members; the USGS Manual on stream-gaging procedures (Water-Supply Paper 888); research on the role of the engineer in discharge measurements by wading; and artificial controls, equipment, and structures used, recommended, or criticized by the Division. Also contains information on the scientific research in the Federal Government, including a series of essays on the origins and development of research in various agencies. Includes some photographic prints of USGS exhibits, artificial controls, and equipment.

573. RECORDS RELATING TO THE 1955 CONFERENCE OF THE SURFACE WATER BRANCH. 1955-57. 2 in.

Arranged by type of record.

Agendas, minutes, correspondence, and a copy of a speech by Arthur A. Baker, USGS Administrative Geologist, delivered to the Conference of Supervisory Personnel of the Surface Water Branch. The conference was held October 17 to 20, 1955, in Denver, Colorado.
In 1893-94 geologists Nelson H. Darton and Grove K. Gilbert began separate investigations of ground-water resources, partly in connection with their stratigraphic and structural studies of the High Plains and Rocky Mountains. The “investigation of underground currents and artesian wells in arid and semi-arid sections” was authorized by the act of August 18, 1894 (28 Stat. L., 398), that required the USGS to determine the Nation’s water supply. Ground-water work was administered by the Geologic Branch’s Division of Hydrography until 1902, when the Division became the Hydrographic Branch. The Eastern and Western Sections of the Branch’s Hydrologic Division were merged in 1907 to form the Ground Water Division. An act of August 21, 1916 (39 Stat. L., 518), added to the Division’s responsibilities the location, development, and protection of watering places on the desert and arid portions of the public lands. The Division was renamed the Ground Water Branch in 1949.

574. ADMINISTRATIVE CORRESPONDENCE FILES. 1919-43. 59 ft.

Arranged in four time sequences: 1919-1939; 1940-1941; 1942; and 1943; and thereunder alphabetically by State, subject, or surname of individual. A list of file-title headings appears as Appendix 30 in this inventory.

Chiefly correspondence, memorandums, and reports (weekly, bi-weekly, and monthly), but also includes statistical tables and summaries, copies of cooperative agreements, minutes of meetings, critical reviews of manuscripts, circulars, handwritten notes, bound reports, vouchers, completed contracts, newspaper clippings, advertisements, graphs, charts, plats, maps, and other records concerning the administration, policies, programs, and operations of the Ground Water Division and its district and field offices. The records show cooperation with the National Park Service, Veterans Administration, Bureau of Mines, Army Corps of Engineers, other Federal agencies, State agencies, and organization such as irrigation districts. The records document the Branch's participation in various projects, such as the Columbia Basin Irrigation Project, Delaware River Drainage Basin Project, Pecos River Joint Investigation, Rio Grande River Joint Investigation, investigations in the Platte River Valley, and various soil erosion projects.

Of particular interest are completed interview forms (boxes 27, 28, and 93) compiled by Branch staff members of Federal government and nongovernment experts on subjects such as ground-water conditions, water supplies, and wells. The forms give the date, name and address of the interviewee, name of the staff member who conducted the interview, information and advice offered, publications cited, and sometimes references to related correspondence.

For later administrative correspondence see entry 575.

575. ADMINISTRATIVE CORRESPONDENCE FILES. 1944-53. 33 ft.

Arranged in three parts: 1944-47, in which each year is divided into two segments, alphabetically by State or Territory, and alphabetically by subject or surname of individual; 1948-53, arranged alphabetically by State or Territory; and 1948-53, arranged alphabetically by subject or surname of individual. A list of file titles appears as Appendix 31 in this inventory.

Chiefly correspondence, memorandums, and reports, but also includes statistical tables and summaries, circulars, handwritten notes, bound reports, vouchers, completed employment-compensation forms, completed contracts, newspaper clippings, advertisements, graphs, charts, plats, maps, and other records, concerning the administration, policies, programs, and operations of the Ground Water Branch and its district and field offices. Included are records documenting the Branch’s participation in Alaska ground water research, the Colorado River Basin Project, Missouri River Basin Project, Navajo Indian Reservation Project, Passanaquiddy Tidal Power Project, Upper Embayment Mississippi Investigation, and Project Mahoney (to prepare a report demonstrating the need for an accelerated program.
of research in the Nation’s water resources). These records also show cooperation with other USGS units, such as the Pacific Northwest Water Resources Council; other Federal agencies, especially the Bureau of Reclamation, Army Corps of Engineers, Bureau of Land Management, Bureau of Indian Affairs, Fish and Wildlife Service, and Federal Power Commission; interagency units such as the Arkansas-White-Red Interagency Committee, Interagency River Basin Committee, and Interagency Committee on Hydrologic Data; States; municipalities; water districts; independent bodies, such as the Conservation Foundation; and professional associations.

Of particular interest is a file containing correspondence, statements, copies of articles and other records (1947 - Congressional Hearings, Material) gathered to support an appropriation for ground water investigations. The appropriation had been dropped from the 1948 Interior Department appropriation bill and replaced with a clause in the “gaging streams” section prohibiting the USGS from making any more ground-water investigations.

The series also includes correspondence, memorandums, reports, programs, agendas, minutes, conference papers, and other records that relate to meetings, seminars, and conferences in which the Branch participated including the United Nations’ Scientific Conference on the Conservation and Utilization of Resources.

For earlier administrative correspondence see entry 574.

576. REFERENCE FILE OF DAVID GROSH THOMPSON. 1921-38, 1940-41. 6 in.

Arranged by subject.

Correspondence, reports, statistical tables and summaries, graphs, handwritten notes and statistical calculations, pamphlets, printed articles, and other records (many of which were compiled by Thompson) that relate to analyses of hydrologic problems, particularly concerning ground water and artesian wells. Also includes annotated drafts of papers written by Thompson, and correspondence and memorandums concerning ground-water laws.

577. CORRESPONDENCE AND OTHER RECORDS CONCERNING DAVID GROSH THOMPSON'S STUDY OF THE UTILIZATION OF GROUND AND SURFACE WATER IN THE UNITED STATES. 1930-33. 2 in.

Arranged, for the most part, alphabetically by State; followed by a general file arranged roughly chronologically.

Chiefly correspondence between Thompson and State officials and interested specialists that relates to requests for information on the consumption of ground and surface water in the United States, for use by Thompson in several reports and a professional paper. Also included are handwritten notes, publications, a list of correspondents, and a statistical table of the Public Works Supply Systems in the United States, compiled by Thompson.

For much of the data received by Thompson see entry 578.

578. RECORDS CONCERNING PUBLIC WATER SUPPLIES IN THE UNITED STATES. ca. 1930-39. 5 in.

Arranged for the most part alphabetically by State; the last file is arranged by type of record.

Chiefly statistical tables and summaries, maps, and publications compiled by David G. Thompson for use in his study of the utilization of ground and surface water in the United States. Also includes copies of “Waterworks News-Record” for June 13, 14, and 15, 1939, printed tables, and a few pieces of correspondence. Much of the data was furnished by States and interested specialists, at Thompson's request; see entry 580.
579. RECORDS OF DAVID GROSH THOMPSON CONCERNING THE COMMITTEE ON UNDERGROUND WATERS OF THE AMERICAN GEOPHYSICAL UNION. 1932-42. 3 in.

Arranged alphabetically by surname of correspondent, and thereunder chronologically.

Correspondence, circulars, handwritten notes, and reports concerning Thompson's participation in the American Geophysical Union, as chairman of its Committee on Underground Water. Includes information on ground-water studies, compilation of an international bibliography by the committee, publications, committee membership, and meetings and symposiums.

580. RECORDS CONCERNING USGS RESPONSES TO GROUND-WATER-RELATED INQUIRIES. ca. 1939-51. 17 in.

Arranged alphabetically by State. Two files arranged by subject are at the end of the series.

Chiefly correspondence sent to district officials from drilling companies, private individuals, and State and municipal officials acknowledging information supplied or services rendered by the USGS. This correspondence was gathered by the district offices and sent to the Chief Hydraulic Engineer in response to a request by the House Appropriations Subcommittee in February 1947 for the names and addresses of well drillers who have requested information from the USGS, the nature of the information requested, and complimentary letters regarding ground-water investigations. USGS district officials continued to send this type of correspondence to the Washington Office until 1951. Also contains interdepartmental correspondence and memorandums, address lists of well drillers, and other records. A general file includes correspondence sent to the Washington Office from foreign officials, Federal agencies, private firms, and individuals concerning cooperation, and an file of "acknowledgments" for 1946 that shows the receipt of publications or information by public officials or private individuals.


Arranged chronologically by month, and thereunder alphabetically by State.

Memorandums and narrative reports that describe significant monthly events, such as meetings, status of projects, personnel actions, and professional activities, in the district and field offices. A list at the front of each file gives the State and date the reports were received from June to November 1954.

582. PROJECT RECORDS FROM DISTRICT AND FIELD OFFICES. 1942-48. 10 in.

Arranged alphabetically by State or Territory, and thereunder chronologically.

Copies of "Summary Report on Investigations in Progress" that give project title, date started, percentage statistics of field work completed, computations and reports completed, and remarks. These reports are for varying lengths of time.

583. MONTHLY PROGRESS REPORTS. 1914-42. 4 ft.

Arranged chronologically.
Copies of monthly reports containing narrative and statistical tables and summaries sent to the Chief Hydraulic Engineer from the Ground Water Division concerning projects, publications, personnel action, and professional activities of staff. Also includes copies of "Summary Report on Investigations in Progress." Includes district and field-office reports, and individual service reports, dating from the 1930's.

584. RECORDS CONCERNING PERSONNEL. 1943-51. 1.5 ft.

Arranged alphabetically by surname of individual.

Chiefly correspondence and memorandums, but also includes reports, copies of itineraries, completed personnel forms, and other records concerning various ground-water personnel. Included is information on field-work and research projects, preparation of papers and reports, professional activities, and personnel matters. This appears to have been a part of the administrative correspondence; for similar information on other ground-water personnel see the Administrative Correspondence files, 1919-53, described in entries 574 and 575.

585. RECORDS CONCERNING MINERAL WATERS IN THE UNITED STATES COLLECTED BY ALBERT CHARLES PEALE. ca. 1890-1904. 1.5 in.

Completed questionnaires arranged chronologically, accompanied by a few pieces of correspondence and reports.

Primarily completed questionnaires, dated 1899 to 1901, sent by the Division of Mineral Resources to the owners of various springs, that give the name, location, and owner of spring, the estimated number of gallons sold in 1899 and 1900 (about half the forms give data for 1899 and the remainder cover 1900), and whether or not the spring was used as a resort. The correspondence and reports concern the chemical analyses of particular springs. These records were collected by Peale, a geologist who served with the "Hayden Survey" (1871-79), the USGS (1883-98), and the U.S. National Museum (1898-1914).

586. RECORDS CONCERNING MINERAL WATERS IN THE UNITED STATES. ca. 1895-1930. 8 in.

The records are arranged alphabetically by State, followed by two general folders.

Chiefly advertising pamphlets, brochures, and broadsides that relate to mineral-spring water and resort springs, some of which include chemical analyses of the water and are annotated. Also includes correspondence and reports concerning the chemical analyses of spring water, a typescript list of mineral springs in the United States for 1906 compiled by the Bureau of Chemistry (Department of Agriculture), some reprinted articles regarding mineral springs and resorts in the United States, and other records.

587. RECORDS RELATING TO SALINITY STUDIES IN THE CONNECTICUT RIVER BASIN. 1934-39. 15 in.

Arranged by type of record.

Progress and other reports, statistical summaries and tables, graphs, diagrams, drawings, correspondence, plats, printed articles, tide tables, State publications, and other records relating to studies sponsored by the Works Progress Administration and the Connecticut State Water Commission.

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588. REFERENCE FILE ON THE SALINITY OF WATER. ca.1907-36. 2 in.

Arranged by type of record.

Primarily printed material that concerns the salinity of ocean water. Also includes a typed report, "Memoranda on the Composition of Sea Water," which contains reprints and synopses of articles and statistical summaries dated 1873 to 1912. The material in this memoranda appears to have been collected by Richard B. Dole. Also includes a few items concerning mineral springs in the United States and Europe.

589. "DIARIES" OF TRAVEL BY OSCAR EDWARD MEINZER. 1938, 1939, 1944. 3 in. 2 binders and 1 folder.

Arranged by trip and thereunder in rough chronological order.

"Diaries" that include daily entries, itineraries, correspondence, memorandums, names and addresses of people met on the trips, newspaper clippings, photographic prints, maps, and other records concerning Oscar E. Meinzer's official travel to the Western States, June 5 to July 11 and August 27 to October 9, 1938; a meeting in New York City, December 29, 1938, to January 1, 1939; Southern States, October 6 to November 21, 1939; and Southeastern States, October 5 to 28, 1944.

590. RECORDS CONCERNING THE VOLUME ON "HYDROLOGY" OF THE NATIONAL RESEARCH COUNCIL'S "PHYSICS OF THE EARTH" SERIES. 1937-43. 2 ft.

Arranged by chapter.

Correspondence, annotated drafts, lists of illustrations, diagrams, plats, photographic prints, and handwritten notes relating to the fifteen chapters of the "Hydrology" volume (IX) that is part of the National Research Council's series on the "Physics of the Earth," published by McGraw-Hill. Oscar E. Meinzer edited this volume.

591. RECORDS CONCERNING OSCAR EDWARD MEINZER'S PARTICIPATION IN PROFESSIONAL ORGANIZATIONS. 1937-48. 17 in.

Arranged alphabetically by subject or surname of correspondent, and thereunder roughly chronologically or alphabetically.

Correspondence, memorandums, circulars, programs, agendas, minutes of meeting, reports, membership and mailing lists, and other records relating to Oscar E. Meinzer's participation in the American Geophysical Union, particularly its Section of Hydrology, the Commission on Subterranean Water of the Association of Scientific Hydrology of the International Union of Geodesy and Geophysics, and their various committees and commissions. The records pertain to Meinzer's role as a representative of the USGS and as a member of these organizations, and contain information relating to meetings, conferences, and activities of the organizations, publication of papers, elections, membership drives, financial matters, and travel. Also includes statistical summaries outlining the cooperative funds of the Ground Water Division from 1908 to 1938, and correspondence relating to Meinzer's paper, "Our Water Supply," which was read before the Washington Academy of Sciences in March 1937, and later reprinted in many journals. Some of the records are in French and Spanish.
592. CIRCULARS OF THE HYDROLOGY SECTION OF THE AMERICAN GEOPHYSICAL UNION. 1931-33. 0.5 in.

Arranged chronologically.

Circulars issued by the Section concerning its formation, organization, purpose, membership, and interest in the publication of hydrological papers and bibliographies.

Oscar E. Meinzer served as Chairman of the Section during these years.

593. CORRESPONDENCE AND OTHER RECORDS RELATING TO THE INTERNATIONAL COMMITTEE ON UNDERGROUND WATER. 1936-46. 5 in.

Arranged alphabetically by country or geographic area.

Oscar E. Meinzer's correspondence with hydrologists in other countries concerning the International Committee on Underground Water (of the International Association of Scientific Hydrology, a part of the International Union of Geodesy and Geophysics). Includes requests for delegates to the Committee; recommendations for conference topics and papers; and information concerning Meinzer's travel abroad, international hydrologists' visits to the United States, and the exchange and publication of papers. Also contains some mailing lists of scientists interested in the study of ground water for Africa, Australia, Great Britain (in the England folder), the Soviet Union (in the Russia folder), and Sweden; a list of papers to be presented by the Section of Scientific Hydrology of Japan at the 1939 General Assembly of the International Union of Geodesy and Geophysics; and a report on the "Economy of Groundwater" by M. Wegenstein, a Swiss engineer. Some of the correspondence is in German, French, and Spanish.


Arranged in two binders, and thereunder according a table of contents.

Reports, programs, minutes of meetings, circulars, copies of papers, statutes (by law), lists of delegates, and other records concerning the Seventh Assembly of the International Association of Scientific Hydrology, and its Commission on Subterranean Water, of the International Union of Geodesy and Geophysics held in Washington, D.C., September 4 to 15, 1939. Some of the records are in French, Spanish, and German.

For related records see entry 598.


Arranged by type of record.

Circulars, correspondence, copies of papers, lists of delegates, and a mailing list concerning the Eighth Assembly of the International Association of Scientific Hydrology (IASH), held in Oslo, Norway, August 19 to 28, 1948. Also includes a list (in French) of members of the IASH, statutes (bylaws) of the International Union of Geodesy and Geophysics, and a 1937 report (1 page) of the Commission on Underground Water.

Arranged alphabetically by country.

Oscar E. Meinzer's correspondence with hydrologists in other countries concerning the Assembly of International Association of Scientific Hydrology (IASH), held in connection with the International Union of Geodesy and Geophysics, in Oslo, Norway, August 19 to 28, 1948.

Includes requests for papers, recommendations for topics of papers, and information concerning publication of the papers. Also contains copies of papers, accompanied by plats, diagrams, and statistical tables; circulars; handwritten notes; and copies of the proposed program for the 1948 Assembly and IASH's statutes (bylaws).

Some of the correspondence and papers are in French and German.

PROGRAMS AND CIRCULARS RELATING TO INTERNATIONAL GEOLOGICAL CONGRESSES.
1933, 1938-39. 0.5 in.

Arranged chronologically.

Programs for the International Geological Congresses in 1933 in Washington, D.C. (16th Session), and in Amsterdam (scheduled for 1938, but not held); a list of registrants for the 1933 Congress; and circulars concerning the 1940 Congress in London (18th Session, but not held until 1948).

MISCELLANEOUS FILES. 1939, 1947-48. 0.5 in.

Arranged roughly chronologically, and thereunder by type of record.

Chiefly information on the 1939 and 1948 assemblies of the International Association of Scientific Hydrology, and its Commission on Subterranean Water of the International Union of Geodesy and Geophysics that includes correspondence, circulars, tentative proposals for meeting topics, lists of members and invitations to delegates, mailing lists, and copies of George W. Musgrave's paper on the infiltration of ground water.

For related records see entry 594.
In 1901 Frederick H. Newell expanded hydrographic investigations to include quality-of-water studies concerned
with the pollution of municipal water by sewage. A Division of Hydro-Economics was established in 1903 within the
Hydrographic Branch to study the quality, composition changes, pollution, and economic potential of water. In 1907
the Division was renamed the Quality of Water Division. In 1910 analysis of polluted water was transferred to the
Public Health Service. The Division remained responsible for analyzing the mineral composition of surface and
ground waters to determine their value for domestic and industrial use. The Division was merged with the Ground
Water Division in 1910 and 1918. The Quality of Water Division’s Washington office closed in 1908; when the
Division regained its separate organizational identity, most of the laboratory work was done under contract.
The Quality of Water Division was restyled a Branch in 1949.

599. CENTRAL CLASSIFIED FILES. 1941-63. 21 ft.

Arranged according to the same subject-numeric classification scheme used for the Central Classified Files,
entry 52, and thereunder roughly chronologically. The file classifications used for these files are: Accounting, Budget,
Committees, Education, Equipment and Supplies, Forms, Information, Inventions, Map Distribution, Mapping
Techniques, Meetings, National Defense, Organization and Management, Personnel, Programs and Plans, Publications,
Public Relations, Records (cross reference sheet only), Reports and Statistics, Research, Scientific and Professional
Organizations, Security, Sedimentation and Erosion, Transportation, Vehicles, Water (General), and Water (Quality).

Correspondence, memorandums, progress and technical reports, statistical tables and summaries, handwritten
notes, bulletins, pamphlets, printed articles and other publications, monthly and quarterly reports, copies of bids and
contracts, purchase orders, completed requisition forms, price lists, newspaper clippings, plats, maps, and other records
concerning the administration, operation, policies, and programs of the Branch. A large portion of the records
comprise "Program and Plan" files that document cooperative projects with other agencies, such as the Bureau of
Reclamation and Soil Conservation Service, interagency River Basin Commissions and Committees; States; and
institutions. Other subject areas concern estimates, appropriations, allotments and expenditures; publications;
personnel matters; and equipment and supplies. Of particular interest are the records relating to Saline Water Research
(Programs and Plans files).

Also includes programs, agendas, minutes of meetings, conference proceedings, annotated papers, lists of
attendees, and other records relating to Branch, interagency, and professional meetings and conferences.
The majority of records date from 1952.

5 in.

Arranged by type of report as described below.

Quarterly “Chemical Quality” analysis reports (1955-58), which give number of samples analyzed and "total
adjusted complete analyses” for USGS projects, other Federal agencies, and States; biannual statistical and narrative
reports (1955-58) summarizing Division investigations in progress or completed stating source of funds, estimates of
personnel used, percent of project completed, and publication plans; quarterly statistical reports (1949-58) on sediment
analyses completed for cooperative projects that show the project name, number of bottles analyzed, and total analyses
made for concentrated and particle-sized, suspended-sediment or depth-integrated samples.
601. RECORDS CONCERNING FIELD OFFICES AND LABORATORIES. 1939-52. 7 ft.

Arranged alphabetically by State, Federal agency, or subject, and thereunder roughly chronologically. A list of file titles appears as Appendix 32 in this inventory.

Chiefly correspondence and memorandums, but also contains reports, statistical tables and summaries, handwritten notes, completed water-analysis forms, cooperative agreements, copies of contracts, purchase orders, requisition forms, vouchers, blueprint floor plans and photographic prints of the Ohio Regional Laboratory, diagrams, plats, newspaper clippings, and other records, concerning the administration, operation, policies, and programs of the Branch's field offices and laboratories. The records include information on proposals and plans for projects; progress of field and laboratory work; allotments, appropriations, and expenditures; equipment and supplies; publications; personnel matters, and meetings of the Arizona Water Resources Council (Colorado River Basin File). Many of the Branch's projects were undertaken in cooperation with other units of the Water Resources Division and the USGS; Federal agencies, such as the Bureau of Reclamation, Fish and Wildlife Service; the Departments of the Army and Air Force; State agencies; and universities.

Also contains correspondence, memorandums, agendas, programs, lists of attendees, abstracts and copies of papers, and other records concerning participation in the professional meetings and conferences of the American Chemical Society and American Water Works Association. The Alaska-General file contains records dated 1918-50. Most of the remaining records date from 1946.

602. OFFICE FILES OF WILLIAM DENNIS COLLINS. 1913-46. 10 in.

Arranged alphabetically by subject, and thereunder roughly chronologically.

Correspondence, memorandums, reports, handwritten notes, copies of papers, pamphlets, printed articles and other publications, statistical tables and summaries, vouchers, one photographic print each of the Colorado River (near Grand Canyon, Arizona) and Grand Coulee Dam, and other records concerning Collins' participation in and supervision of water-quality studies. Primarily investigations of arsenic poisoning, industrial poisoning, tuberculosis (in cooperation with the Public Health Service), radioactivity, salinity of larger coastal rivers and tidal waters, and rainwater. Also includes an annotated manuscript from 1927 by Collins, and others, on the "Chemical Character of Waters of Rhode Island"; and information on Collins' professional activities during 1940 in the American Chemical Society and at the Eighth American Scientific Congress.

Collins served with the Surface Water Division until 1909 when he became the Food Investigation Chemist for the Bureau of Chemistry in the Department of Agriculture. In 1920 he rejoined the USGS as the Chief of the Quality of Water Division. He remained in that post until 1946.

603. CORRESPONDENCE AND OTHER RECORDS CONCERNING A COOPERATIVE STUDY OF DISSOLVED SOLIDS IN AND HARDNESS OF GEORGIA WATER. 1937-39. 2 in.

Arranged chronologically.

Primarily correspondence, but also includes statistical summaries, memorandums, and other records concerning a cooperative project with Georgia's Division of Mines, Mining, and Geology to investigate the public-water supplies. Part of the project involved a study, assisted by the State Department of Public Health, of the chemical character of the larger sources of public-water supplies. This was the first of a planned series of 48 studies by the Quality of Water Branch of all the public-water supplies of the United States.
604. RECORDS CONCERNING THE ST. FRANCIS RIVER SILT PROJECT. 1939-40. 1 in.

Arranged by type of record, and thereunder chronologically.

Correspondence, graphs depicting silt computations, memorandums, and other records relating to a stream-gaging and silt investigation of the St. Francis River, Missouri.

605. RECORDS CONCERNING A STUDY OF SEDIMENTATION AND QUALITY OF WATER IN THE MISSOURI RIVER BASIN. 1945-49. 8 in.

Arranged chronologically.

Chiefly correspondence and memorandums, but also includes progress and technical reports, statistical summaries, handwritten notes, newspaper clippings, publications, vouchers, maps, and other records relating to sediment and quality-of-water studies made in cooperation with the Missouri Basin Interagency Committee. Includes information on research proposed and in progress, research data and analyses, installation and operation of sediment stations, personnel matters, allotments and appropriations, equipment, and supplies. The Missouri Basin Interagency Committee was established on May 5, 1945.

606. RECORDS RELATING TO LABORATORIES, SPACE, AND EQUIPMENT. 1945-46. 1 in.

Arranged by subject, and thereunder roughly chronologically.

Correspondence, completed requisition forms, purchase orders, statistical summaries, diagrams, and other records relating to space and equipment for the central and branch chemical and sediment laboratories, and the installation and operation of sediment-sampling equipment for a study of sedimentation and quality of water in the Missouri River Basin.

607. RECORDS RELATING TO THE MISSOURI BASIN FLUME CONTRACT. 1948. 1 in.

Arranged by type of record, and thereunder roughly chronologically.

Diagrams, completed bidding forms, memorandums, completed requisition forms, and some correspondence received from Paul C. Benedict, the district engineer at Lincoln, Nebraska, relating to the contract for the construction of a reinforced-concrete flume and gage well on the Middle Loup River, at Dunning, Nebraska.

608. RECORDS CONCERNING RESEARCH AND DEVELOPMENT. 1946-52. 2 in.

Arranged chronologically.

Memorandums, reports, correspondence, statistical tables and summaries, handwritten notes, completed "Abstract of Research and Development Projects" forms, printed articles, and other records relating to research and development in the Branch and its field offices. Includes information on estimates and allotments, distribution of funds, and proposed, recommended, and completed research projects.
INVENTORY FORMS AND INDEX CARDS CONCERNING PUBLISHED AND UNPUBLISHED ANALYSES OF SURFACE WATERS USED FOR IRRIGATION.  1947-48.  2 ft.

Divided into forms printed on 5 in. x 8 in. cards arranged by drainage area, and thereunder by name of river; and 3 in. x 5 in. cards arranged alphabetically by author, Federal or State agency, irrigation district, and others.

The first set of cards are completed "Inventory of Published and Unpublished Analyses of Surface Waters of Irrigation" forms that give name of drainage basin and stream, stream location, drainage area above station, duration of record, availability of drainage records, number of analyses, frequency of sampling, composite period, analytical values reported, reference number, remarks, and date and source of information. Some of the information dates from 1905. These forms were compiled for the Subcommittee on Hydrologic Data of the Federal Interagency River Basin Committee. The 3 in. x 5 in. cards give references to published and unpublished reports and data concerning surface waters for irrigation and the quality of those surface waters.
During World War I the Water Resources Branch was made responsible for preparing a weekly report of the power production and consumption by the States. In 1918 the Division of Power Resources was established to continue the collection of those statistics and the preparation of periodic reports. The Division also provided engineers to conduct field investigations on behalf of the Fuel Administration. The Fuel Administration was created in 1917 to compile statistics on the production, distribution, and consumption of coal, and to devise plans for the conservation of power. The Division also gathered statistics for regions of the world relating to developed water power.

In 1936 the Federal Power Commission took over responsibility for compiling and distributing information about the production and consumption of power in the States. When the Division of Power Resources was abolished in 1945, the Water Utilization Division assumed functions relating to the collection of information about developed water power by the States and the compilation of an annual report based on the collected data.

610. RECORDS CONCERNING FEDERAL POWER COMMISSION PROJECTS. 1921-47. 5 ft.

A general file followed by files arranged numerically by project number (1 to 1854). These project numbers appear to have been assigned by the Federal Power Commission.

Chiefly correspondence and memorandums, but also includes USGS “Semiannual” and “Annual” reports to the Commission regarding stream-gaging field work; progress reports; statistical tables and summaries; copies of applications for permits and licenses sent to the Commission; copies of Commission agreements; diagrams; graphs; plats; and other records relating to USGS assistance in the review and approval of Commission projects. Most of the work completed by the USGS concerned investigations for the Commission relating to applications to construct water works, supervision over construction of stream-gaging stations by licenses, inspection of those stations, confirmation of licensee compliance in the maintenance of stream data, and supervision of the construction and operation of transmission lines.

611. MINUTES OF MEETINGS AND OTHER RECORDS CONCERNING THE FEDERAL POWER COMMISSION. 1921-29. 4 in.

Arranged chronologically.

Chiefly minutes of Federal Power Commission meetings, but also includes press releases, lists of applications for licenses, memorandums, and other records concerning the authorization, extension, and rejection of permits and licenses under the Federal Water Power Act of June 10, 1920 (41 Stat. L., 1063). Also included is a printed copy (1921) of the "Tentative Draft of Rules and Regulations for the Establishment and Maintenance of a System of Accounts of Licensees Under the Federal Water Power Act.”

612. REPORTS AND CORRESPONDENCE. 1943-44. 18 pages.

Arranged chronologically.

Annual reports of the Division for 1943 and 1944; quarterly reports for January, March, and June 1944; and correspondence concerning publications of the USGS on water power.
613. REPORTS AND OTHER RECORDS CONCERNING DEVELOPED AND POTENTIAL WATER POWER AND TOTAL CAPACITY OF WATER WHEELS IN THE UNITED STATES. 1922-44. 2 in. 1 binder.

Arranged chronologically, with the exception of the last three items. A table of contents accompanies the records.

Statistical and narrative reports concerning the developed and potential water power in the United States (1922, 1925-30), and the capacity of water wheels at water-power plants in the United States (1931-41). Also includes statistical data relating to developed water power in the United States in 1908 that was published in USGS Water-Supply Paper 234, “Papers on the Conservation of Water Resources” (by Henry Gannett, and others, 1909); a statistical and narrative report (ca. 1940) on the total capacity of water wheels in the United States from 1869 to 1917; and a press release showing water-power development in the United States and Canada during 1940-44.

614. REPORTS AND PRESS RELEASES CONCERNING DEVELOPED AND POTENTIAL WORLD WATER POWER. ca. 1924-45. 3 in.

Arranged by subject or type of record, and thereunder chronologically.

Annual statistical and narrative reports and press releases concerning the developed and potential water power of the United States and the world. Some of the reports were issued by the Federal Power Commission.

615. REFERENCE FILE OF ALBERT HOWARD HORTON. 1918-32. 4 in.

Arranged by type of record.

Publications, statistical summaries, and handwritten notes concerning hydroelectric power and power potential in the United States. Includes bound copies of USGS Professional Paper 123, “A Superpower System for the Region between Boston and Washington” (by William S. Murray and others, 1921) and maps relating to the Northeastern Superpower Survey (one copy is annotated).

Horton was Chief of the Power Resources Division from 1919 to 1945.

616. RECORDS CONCERNING PRODUCTION OF POWER. 1919-28. 8 in. 5 binders.

Arranged in two sets of binders (1919-24 and 1924-28), and thereunder arranged by subject. A table of contents begins each set.

Reports, memorandums, correspondence, statistical tables and summaries, handwritten notes and calculations, diagrams, graphs, and other records concerning developed and potential hydroelectric power; consumption and cost of coal and oil; output of electricity in the United States; operation of power plants; generator capacity of public-utility power plants; and other subjects related to power production.

617. REPORTS CONCERNING PUBLIC UTILITY PLANTS. 1919-37. 10 in.

Arranged chronologically.

Statistical and narrative monthly and annual reports, including graphs, compiled by the Division concerning the production of electricity and consumption of fuel by public-utility plants in the United States. The Federal Power
Commission compiled the statistics for the monthly reports, beginning in July 1936, and those for the 1937 annual report.

Annual reports from 1920 to 1926 were published in USGS Water-Supply Paper 579, “Power Capacity and Production in the United States” (by Carroll R. Daugherty and others, 1928).

618. RECORDS CONCERNING DEVELOPED WATER POWER OF THE UNITED STATES. 1920-40.  
2 ft.

Arranged alphabetically by State or Territory, and followed by one general file.

Chiefly copies of "Report on Developed Water Power" that give the name of stream and power plant, location and operator of the plant, number of water wheels and generators, use of power, and average number of hours the plant is in operation. Also includes statistical reports for water-power plants of 100 horsepower or more, lists of plants in operation, memorandums, a 1939 congressional report on plants in the United States (76th Cong., 1st Sess., Sen. Doc. 123), and other records. Most of the records date from 1933.

619. REFERENCE FILE CONCERNING PRODUCTION AND CONSUMPTION OF POWER. 1922-40.  
3 in.

Arranged alphabetically by subject.

Printed articles and other publications, handwritten notes and calculations, statistical tables and summaries, correspondence, press releases, diagrams, and other records concerning consumption and efficiency, coal resources and rates in the United States, interstate transmission of power, water power, and other subject areas related to power production and consumption. Also included is a processed issuance: "A List of References on the United States Geological Survey and Its Work," a 1934 bibliography compiled by James T. Ruby, an undated conference proof copy of a paper delivered at the First World Power Conference in Holland titled “Latest Developments in the Use of Electricity for Heating Purposes in general and especially for Domestic Purposes,” and a booklet titled “Instructions for Measurement of Water” compiled in 1930 by John F. Deeds for use by Oil and Gas Supervisors employed by the Conservation Division.


Arranged alphabetically by subject.

Reports, statistical tables, hand calculations and summaries, correspondence, memorandums, and other records concerning the consumption of fuel and comparable fuel rates; capacity of electric generating plants and prime movers in the United States; and production of electricity by public utility plants, and pumped water for power.

Also includes printed articles and a copy of a speech by George O. Smith, Chairman of the Federal Power Commission, relating to public-utility regulation; a pamphlet and congressional document concerning the St. Lawrence Treaty; and a copy of the newspaper Appleton Post-Crescent for Thursday, September 29, 1932, that was issued in celebration of the “Fiftieth Anniversary of the World's First Hydro-electric Central Station."
621. REPORTS CONCERNING ELECTRIC POWER RECEIVED FROM OTHER AGENCIES. 1925, 1927, 1932, 1938-45. 7 in.

Arranged by subject.

Chiefly processed monthly and annual reports and statistical summaries, and other records compiled by the Federal Power Commission concerning the production of electricity and consumption of fuel, capacity of generating plants, electric-power supply in the United States, and transmission of energy across State and international boundaries.

Also includes printed reports (1927, 1932, and 1937) from the Bureau of Census (Department of Commerce) on electric-light and power stations, and a printed report (1925) from the Committee on Farm Power (Department of Agriculture) that concerns power used on farms in the United States.

622. STATISTICAL REPORTS AND OTHER RECORDS OF THE EDISON ELECTRIC INSTITUTE. 1943-46. 2 in. 1 binder.

Arranged by type of report, and thereunder chronologically.

Printed reports of "Weekly Electric Power Output" that give statistical data on the amount of electrical energy distributed by the electric-light and power industry; monthly reports on sources and disposal of energy; and a printed statistical bulletin for 1944 ("The Electric Light and Power Industry in the United States"), and two press releases (1944 and 1945) on the electric-light and power industry.

623. CONSULAR REPORTS AND OTHER RECORDS CONCERNING FOREIGN WATER SUPPLIES. 1913-41. 1.5 ft.

Arranged alphabetically by country, and thereunder alphabetically by city when appropriate. A partial listing of the foreign publications accompanies the records.

Narrative and statistical reports concerning the amount, chemical characteristics, and use of public-water supplies in foreign countries. These reports were prepared in the U.S. consulate offices of the respective countries in reply to a memorandum and questionnaire, dated September 1924, sent by the Department of Commerce's Bureau of Foreign and Domestic Commerce. Also includes publications, some of which are in Spanish, French, German, Italian, Portuguese, Dutch, and Swedish; correspondence; maps; plats; handwritten notes; and other records. Most of the records date from 1925 to 1935.

624. CONSULAR REPORTS AND RECORDS CONCERNING NEW CONSTRUCTION AND OPERATION OF FOREIGN WATER-POWER PLANTS. 1938-41. 2 ft.

Arranged alphabetically by country, and thereunder chronologically.

Narrative and statistical reports, correspondence, foreign publications, press releases, handwritten notes, maps, questionnaires, and other records from U.S. consular officers concerning the new construction and operation of water-power plants and hydroelectric-power facilities. Also includes statistical data compiled by consular officers on water-power plant construction, annual questionnaires, and streams; locations of plants; total capacity of water wheels; heights of water head of dams; and notations of new plants or extensions of old ones. The 1938 questionnaires were submitted by the Bureau of Foreign and Domestic Commerce of the Department of Commerce and forwarded to the
USGS for processing; the 1939 to 1941 forms were submitted directly to the USGS. Some of this data was used for yearly articles on world power written by the USGS for the Encyclopedia Britannica (see entry 626).

625. RECORDS CONCERNING FOREIGN WATER SUPPLIES. ca. 1936-39. 4 in.

Arranged alphabetically by name of country, and thereunder alphabetically by name of city. Two general files are at the end of the series.

Chiefly a handwritten draft of a report on available water supplies of foreign countries compiled from information gathered from about 1919 to 1939. Also includes a copy of “Water Works and Sewage” (April 1933); typed notes obtained from the Quality of Water Division; and a memorandum on the public-water supplies in South America.

626. RECORDS CONCERNING DEVELOPED WATER POWER OF THE WORLD. ca. 1936-44. 10 in.

Arranged alphabetically by subject.

Narrative and statistical reports, correspondence, annotated drafts of articles, completed forms that "Report on Developed Water Power," publications, clippings from the Encyclopedia Britannica, lists of consular-district posts, maps, graphs, foreign copies of Reclamation Era for 1937 and 1938, Service Directories for 1940 and 1941, and other records concerning developed water power throughout the world. Some of the reports were compiled from data sent by consular officers in foreign countries (see entry 624) for yearly articles on world power in the Encyclopedia Britannica. Also includes copies of speeches by Millard F. Bowen relating to the St. Lawrence Ship Canal.

627. REPORT TITLED "HARDNESS OF WATER SUPPLY IN EUROPE, NORTH AFRICA, AND THE MIDDLE EAST." 1943. 1/8 in.

Copy of a narrative and statistical report prepared by the Office of Strategic Services.

This report has been classified and is labeled "Restricted."

628. REPORTS CONCERNING THE WATER SUPPLIES OF JAPANESE CITIES. ca. 1946. 0.25 in.

Arranged by name of city: Gifu, Kobe, Kokura, Kyoto, Okayama, Osaka, Sakai, and Wakayama.

Narrative and statistical reports written by Frederick S. Blach, a water-supply consultant. Includes information that relates to sources of water; clean reservoirs; pumping stations; and the capacity, quality, distribution, consumption, and projected development of water supplies.

Related reports are described in entry 283.
The Water Utilization Division was established in 1910 to conduct the field examinations of public lands associated with the investigation of water-power sites, right-of-way, Carey Act segregations, and enlarged homesteads for the Land Classification Board. The Division also made similar field examinations on Indian Reservations. In 1917 the Division was merged with the newly established Division of Enlarged and Stock-Raising Homesteads, which became the Land Classification Investigations Branch in 1922. In 1925 the field employees who were assigned to investigations relating to enlarged and stock-raising homesteads were transferred to the Conservation Branch. In 1931 the Water Utilization Division was reestablished, but most of its field work was done by employees of the Surface Water Division.

When the Division of Power Resources was abolished in 1945 the Water Utilization Division assumed functions relating to the collection of information about developed water power by the States and the compilation of an annual report based on the collected data. In 1948 the Water Utilization Division was renamed the Technical Coordination Branch, which became the General Hydrology Branch in 1956.

629. **LETTERS SENT AND MEMORANDUMS. 1933-40. 2 ft.**

Arranged chronologically, and thereunder by assigned number.

Copies of letters sent and memorandums chiefly from the Chief Hydraulic Engineer, the Hydraulic Engineer in charge of the Water Utilization Division, the Director of the USGS, and the USGS staff concerning Division projects, estimates, and allotments, staff reports, Division publications, and personnel matters. The records also show cooperation with the International Joint Commission, Canada's Dominion Water Power and Hydrometric Bureau, the Federal Power Commission, Works Projects Administration, Soil Conservation Service, Bureau of Reclamation, Army Corps of Engineers, the Mississippi Valley Committee, and State agencies. The last file contains letters sent, from 1936 to 1940, by the USGS Chief Clerk, in response to requests for information on floods, flood control, and USGS publications.

630. **BUDGET FILES. 1940-44. 5 in.**

Arranged chronologically.

Copies of "allotment ledger" sheets that give allotments, reimbursements for division projects from other Federal units, and summary statements; completed ledger sheets that show division expenditures; completed purchase orders, requisition and voucher forms, and statistical summaries; and tables of salary distribution. Includes correspondence and memorandums concerning allotments and expenditures, a list of Division reports on floods; and one copy of an "allotment ledger" sheet that gives the Division's financial statement at the close of June 30, 1944.

631. **PHYSIOGRAPHIC DATA RELATING TO FLOOD FLOW. 1939-41. 6 ft.**

Arranged according to a numeric system: files whose number sequence begins with 1 pertain to the New England and Mid-Atlantic States; files whose number sequence begins with 3 pertain to Pennsylvania, West Virginia, and Ohio. The last file is unnumbered and contains an annotated manuscript by Walter B. Langbein. No file sequence begins with the number 2.
Statistical tables, statistical summaries, handdrawn maps, annotated printed maps, and graphs showing base data, land slope, stream densities, discharge measurements, precipitation data, land elevations, and other physiographic data. Also includes oversized statistical tables that summarize the topographic and discharge characteristics of New England river basins; and Langbein's annotated manuscript titled "Topographic Characteristics of Drainage Basins and their Hydrologic Significance," accompanied by some edited parts of the manuscript and a memorandum from the editor. The manuscript was published as USGS Water-Supply Paper 968-C, “Topographic Characteristics of Drainage Basins” (1947).

These records were compiled as part of a cooperative project with the Works Progress Administration (Project O.P. No. 765-23-3-6) to collect topographical data in the Northeastern and North-Central States, as a basis for studying the topography's effect on stream flow and flood flow. Langbein supervised the project, under the general direction of the Water Utilization Division. Headquarters were established in Boston and Pittsburgh.

632. RECORDS CONCERNING HYDROLOGIC STUDIES DIRECTED BY WILLIAM GLENN HOYT AND WALTER BASIL LANGBEIN. 1924-25, 1933-42. 15 in.

Arranged by subject.

Chiefly correspondence and memorandums, but also includes reports, statistical tables, plats, charts, diagrams, printed articles, and other records concerning cooperative projects directed by William G. Hoyt and Walter B. Langbein. The projects include a study of flood peaks on Massachusetts streams; a WPA-funded study of flood volumes; an investigation of surface-water hydrology of metropolitan New Jersey; and a study of the quality and quantity of water in the Upper Gila Basin, Arizona. Also contains records relating to Hoyt's chapter on "Storage" prepared for a volume on hydrology for the National Research Council; drafts of an article (1942) by Hoyt about "John Wesley Powell, Pioneer Conservationist"; and records concerning USGS sponsorship of a project to standardize the methods of rating rivers for the American Standards Association. When the USGS ended its sponsorship of the standardization project in 1941, the USGS kept the records for 1924-25 and 1933-43, but gave the American Standards Association the records for 1926-32.

For other records relating to the Upper Gila Basin project, see entry 507; for other records relating to the National Research Council's volume on hydrology, see entry 590.

633. ADMINISTRATIVE RECORDS CONCERNING RALF RUMEL WOOLLEY. 1939-49. 5 in.

Arranged in rough chronological order. A file on the Colorado River-Great Basin in Utah in 1940 is at the end of the series.

Correspondence, memorandums, staff reports, newspaper clippings, statistical summaries, plats, and other records maintained by Ralf R. Woolley regarding the administration of USGS water-utilization programs in Utah. The correspondence is chiefly between Woolley and the Washington office of the Water Utilization Division. Also includes reports and conference papers written by Woolley, and programs and minutes relating to his participation in conferences.

Of particular interest is Woolley's paper on "Water Utilization Development--Jurisdiction over Water Resources." The article outlines the history of water-rights legislation; projects in California, Idaho, Nevada, Oregon, Utah, and Wyoming; and the involvement of the Federal Government. The paper also contains a bibliography of the principal reports concerning water utilization prepared by the USGS between 1890 and 1943.

Woolley joined the USGS in 1917 as a hydraulic engineer. By 1939 he was in charge of the Water Utilization Division at Salt Lake City, Utah; by 1942 he also chaired the Colorado River Basin Committee. He served with the USGS in Utah until his death in 1948.
Arranged chronologically by year, thereunder by subject, and when appropriate thereunder by the surname of the district engineer.

Correspondence, memorandums, reports, statistical tables and summaries, graphs, plats, newspaper clippings, handwritten notes, pamphlets, photographic prints of floods and flood damage, and other records concerning the investigations of floods in the United States between 1935 and 1942. Special floods studied include those in New York, July 1935; Northern California, December 1937; Southern California, Boston, Massachusetts, and Texas, 1938; Kentucky and the Lower Colorado River, 1939; Southeastern States, August 1940; and Pennsylvania, June 1941 and July 1942.
The General Hydrology Branch, successor to the Technical Coordination Branch, was established in 1956 to examine the fundamental problems of hydrology and to conduct research and prepare studies in fields that were not part of the responsibilities of the other operational units. The Technical Coordination Division (later Branch) (successor to the Water Utilization Division), established as a staff unit in 1948, was responsible for coordinating the research activities and field investigations of the operational units in the Water Resources Branch. The General Hydrology Branch was abolished in 1967.

635. MANUSCRIPT COPY OF "HYDRAULIC INVESTIGATIONS OF SLUICE-GATES AND ORIFICES." ca. 1930-33, 1949, 1951. 1 in.

An undated annotated draft of a paper by Robert E. Horton, Harry R. Leach, and Roswell D. Trimble. Also includes some original drawings, diagrams, tables, and photographic prints dated 1930 to 1933. Correspondence, dated 1949 and 1951, concerns the publication of the report accompanies the manuscript. The paper describes and gives the results of a series of experiments carried out in August 1929 at the Hydraulic Laboratory of the University of Iowa.

636. GENERAL CORRESPONDENCE FILES. 1920-59. 7 ft.

Arranged by subject or surname of the individual, and thereunder roughly chronologically or alphabetically. A list of file title headings appears as Appendix 33 in this inventory.

Chieffly correspondence and memorandums, but also includes statistical summaries and tables, graphs, vouchers, purchase orders, bound reports, publications, handwritten notes, photographic prints, and other records concerning the administration, finances, policies, and programs of the General Hydrology Branch, and its predecessors (the Technical Coordination Branch and the Water Utilization Division). These records also show cooperation on runoff investigations with other units of the USGS; other Federal agencies, especially the Bureau of Reclamation, Bureau of Land Management, Bureau of Indian Affairs, the Interior Department's Office of Land Utilization, and the Army Corps of Engineers; and independent bodies, such as the Bonneville Power Administration and the University of Washington. Also included are agendas, minutes and other records relating to branch participation on interagency interdepartmental, regional, and international boards and committees; and employment applications, position-description forms, and other records relating to employees of the branch. Also contains "reservoir inventories" for Northern Michigan, Idaho, and California that include the reservoir name, location, date completed, height and area, capacity, uses, and owner.

637. RECORDS CONCERNING PROGRAMS AND PROJECTS. ca. 1915-58. 15 ft.

Arranged by subject, and thereunder roughly chronologically. A list of file title headings appears as Appendix 34 in this inventory.

Correspondence, memorandums, reports, statistical tables and summaries, plats, charts, abstracts, and minutes of meetings, attendance lists, printed reports and bulletins, newspaper clippings, legal briefs, manuscripts, handwritten notes, photographic prints, and other records regarding the programs and projects coordinated by the General Hydrology Branch. A large part of the records relate to Branch cooperation with the International Joint Commission on investigations of the Waterton-Belly, Columbia, Kootenai, Red, Souris, Roseau, St. Mary and Milk, and other rivers; the International Boundary and Water Commission's investigations of waterways contiguous to Mexico; the Interior Department's Board on International Water and Power; the Pacific Northwest Governors' Policy Committee; and the Interagency Water Resources Policy Review Committee.
The series also contains records concerning the Water Loss Research Program, which includes the Lake Hefner, Lake Mead, and Bruning, Nebraska, Evapotranspiration Studies; the Soil and Moisture Program; and the Interchange of Persons Program with Japan.

Other records relating to the Lake Hefner and Lake Mead Studies are described in entries 487-490.

638. REPORTS AND OTHER RECORDS CONCERNING WATER SOURCES FOR LIVESTOCK. 1942-59. 3 ft.

The files are arranged by year and thereunder by report; the five files at the end of the series are arranged by subject. A list of the reports appears as Appendix 35 in this inventory.

Chiefly narrative reports, accompanied by plats, graphs, statistical summaries, correspondence, and memorandums, prepared by Division geologists, regarding water sources for livestock in grazing districts in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, and Wyoming. The subject files include correspondence, memorandums, lists of reports, handwritten notes, press releases, statistical summaries, and other records relating to the preparation and transfer of the reports, proposals for new or further investigations, descriptions of active projects, and personnel matters.

Studies of stock-well sites were compiled in response to requests from the Bureau of Indian Affairs, Bureau of Land Management, and the National Park Service. The Division of Water Utilization coordinated the investigations and reports until 1949, when the responsibilities were assumed by the Technical Coordination Branch. In 1956 the duties were transferred to the General Hydrology Branch.

639. GENERAL FILES OF THE REPORTS SECTION. 1889-1966. 9 ft.

Arranged according to a numerical system (1800 to 6011). A list of file-title headings appears as Appendix 36 in this inventory.

A wide range of records comprise these files. Some, but not all, of the following documents are found in each file - correspondence, memorandums, statistical tables and summaries, technical and progress reports, annotated articles and manuscripts, publications, graphs, diagrams, plats, handwritten notes, newspaper clippings, completed 3 in. x 6 in. cards that record discharge measurement, field notebooks, copies of congressional bills, photographic prints, and other records which appear to have been maintained as a reference file by the Reports Section. The files contain both administrative records and technical data relating to the reports and publications of the Division. Most of the records relate to surface-water issues, although other types of water studies are represented. Includes information on stream-gaging procedures, measurements, and equipment; accuracy of discharge and runoff records; available water resources and power in the United States; water-resources investigations in various States; compilation of data for reports; and the proofreading and publication of Water-Supply Papers and Division reports.
A Section of Radiohydrology was established in 1947 to coordinate Division investigations funded by the Atomic Energy Commission (AEC). Most of the work of the Section concerned cooperation with the AEC (including its Division of Reactor Development and Division of Military Applications) and the Office of Earthquake Research and Crustal Studies in the study of reactor-development technology and other issues including the location and construction of reactors, the storage and disposition of radioactive gases and other waste by-products of reactor operations, thermal pollution, and the effects of activities associated with weapons testing and the PLOWSHARE Program. The research sites included the Hanford Reservation in Washington, the Los Alamos Scientific Laboratory in New Mexico, the Nevada Test Site, the Savannah River Plant in South Carolina, the Knoll Atomic Power Laboratory in New York, and the National Reactor Testing Station in Idaho.

The Section also investigated the occurrence of radioactivity and selected radioelements in natural waters. In 1963 the Section was abolished and its functions were transferred to the Ground Water Branch. In 1966 the Section was organizationally reestablished and in 1967 became an Office.

640. RECORDS CONCERNING RADIOACTIVITY OF WATER RESOURCES PROJECT. 1947-58. 3 ft.

Arranged by subject, and thereunder roughly chronologically.

Correspondence, memorandums, technical and progress reports, statistical tables and summaries, completed “Statement of Water Analysis” forms, completed “Radioactivity of Natural Water--Sample Record” forms, reports on water samples by National Bureau of Standards, handwritten notes, newspaper clippings, printed articles and other publications, diagrams, and other records concerning cooperative investigations of the radioactivity of natural waters of the United States. The radioactivity investigations involved branches of the Water Resources Division and the Geologic Division; the Atomic Energy Commission (AEC); and the National Bureau of Standards. Includes information on proposals and plans for research; research progress; estimates, allotments, and expenditures; data collected; equipment and supplies; and personnel matters. Also contains records that document the AEC's program on radioactive-waste disposal.

641. RECORDS RELATING TO RADIOACTIVE-WASTE DISPOSAL. 1947-75 6 ft.

Arranged by subject.

The records include correspondence, project proposals, memorandums, copies of articles, handwritten notes, annotated topographic maps, charts and graphs, drafts of technical papers, lists of reports, newspapers clippings, work plans, “Summary of Program” forms, and “Request for Project Authorization” forms. There are also fiscal records relating to program funding, salaries, budgets, and reimbursable accounts that include completed “Obligation of Funds” forms, ledger account pages, “Adjustment Voucher” forms, “Estimates of Appropriations” narrative forms, and budget justifications.

There are also correspondence, reports and other records relating to negotiations with the governments of Colorado, South Carolina, and Oregon by Chem-Nuclear Services to operate nuclear-waste burial sites in those States; and manuscript copies of research papers relating to aquifer investigations, exploratory test holes, disposition of radioactive effluents, evaluations of seismic risk, ground-water flow rates, gas injection, and other hydrologic and geologic studies.

Most of the records date from the interval 1961-71.
The first-named responsibility of the USGS in its establishing legislation was “the classification of the public lands.” Director King decided, and the Public Lands Commission of 1879-80 confirmed, that land classification by the USGS was not intended to supercede the pre-sale classifications of the General Land Office. Instead King “concluded that the intention of Congress was to begin a rigid scientific classification of the national domain for the general information of the people of the country.” King planned “a series of land maps” to “show all those features upon which intelligent agriculturists, miners, engineers, and timbermen might hereafter base their operations” and also to “be of the highest value for all students of the political economy and resources of the United States.” USGS geologists, topographers, and hydrologists, as part of their programmatic field work, collected information about the character of the public lands, including therein the fossil fuels that also formed the basis of much of the agency’s subsequent work in pre-disposition classification.

USGS contributions to the pre-sale classification of the public lands began in the summer of 1905 when the General Land Office (GLO) asked the USGS to examine some contested coal lands in Utah. The USGS had just added to its scientific investigations of coals and lignites the study of their efficiency as fuels. Continuing USGS classifications of the coal and other natural-resources lands began in 1906, under a cooperative agreement between the GLO, in response to the President’s request to the Secretary of the Interior to determine which coal deposits were so valuable that their lands should be withdrawn from entry. The USGS reported its findings to the GLO for action, a working arrangement that remained generally the same for many years.

In 1908 the Land Classification Board was established as a section in the Geologic Branch’s Division of Geology. The close relationship between the Board and the Geologic Branch is evident by the number of early records found in the Conservation Division files marked with Geologic Branch file numbers. The Land Classification Board was administered by a Geologist.

In 1912 the Land Classification Board was separated from the Geologic Branch and made organizationally equivalent to a branch. The Land Classification Board was now organized in two divisions--Division of Mineral Classification and Division of Hydrographic Classification--each of which were made up of a number of classification boards. The boards made decisions regarding the classification of land based on information furnished by the Geologic, Topographic and Water Resources Branches. All correspondence with other agencies of the Federal Government regarding land classification matters was handled by the Board.

In 1920 some functions relating to applications for rights-of-way and the preparation of agreements to develop power on public lands were transferred to the Federal Power Commission. The Land Classification Board continued to assemble information regarding potential water power on public lands and to make recommendations regarding the segregation of lands valuable for water-power development.

Until 1921 the Land Classification Board had been financed by assessments on funds appropriated for the other three operating units of the Survey. Beginning in 1917 the Land Classification Board received line-item appropriations for examination and classification. In 1922 the Land Classification Board was renamed the Land Classification Branch.

The Oil Leasing and Mineral Leasing Divisions of the Bureau of Mines were transferred to the USGS in 1925. The responsibility for administering the Mineral Act of 1920 and supplemental and amended laws, including the collection of royalties, formerly assigned to the Bureau of Mines, were made the responsibility of the Land Classification Branch, then renamed the Conservation Branch. The new Branch comprised the Mineral Leasing, Mineral Classification, Homestead, and Power Divisions. In 1926 the Branch began receiving line-item appropriations for mineral-lease enforcement.
Another major change in the responsibilities of the Branch came from the transfer of the field employees from the Division of Enlarged and Stock-Raising Homesteads of the Water Resources Branch. The employees formed the first field staff of the Branch. The functions transferred from the Water Resources Branch were combined with those of the Homestead Division to form the Division of Agricultural Use Classification, later called the Agricultural Division.

In 1933 instructions supplemented Departmental Order 659 for cases concerning petitions for enlarged or stock-raising homesteads and GLO requests regarding public lands containing a spring or water hole where the Conservation Branch could not act without further field examination. The USGS was instructed to refer these cases to the Division of Investigations in the Office of the Secretary of the Interior for the necessary field examinations. The Division of Investigations prepared a report based on the examination for the USGS for action in the case of the homesteads and submitted a report to the GLO, with a copy to the USGS, in cases concerning water holes.

In 1935 the functions of the Agricultural Division were transferred to the newly established Division of Grazing (later the Grazing Service). Those functions included action on applications for agricultural classification, public-water reserves, and water holes, requests for reports from the operational units of the USGS, preparation of orders of withdrawal, and related actions concerning enlarged homesteads, stock-raising homesteads, and Nevada ground-water reclamation. In 1946 the GLO and the Grazing Service were merged to form the Bureau of Land Management.

In 1948 the staff position of Chairman of the Unit Plan Committee was created in the Conservation Branch. In 1949 the Conservation Branch was renamed the Conservation Division and the subordinate organizational units that had been Divisions were designated Branches.

An Executive Order in 1945 placed the natural resources of the Continental Shelf under the jurisdiction of the Secretary of the Interior. The Submerged Lands Act (67 Stat. L., 29), and the Outer Continental Shelf Lands Act (67 Stat. L., 462) were passed in 1953 to encourage the exploration and development of the oil, gas, and other mineral resources of the Outer Continental Shelf. Beginning in 1954 the Conservation Division administered the mineral-leasing laws on the Outer Continental Shelf.

In 1982 the Minerals Management Service (MMS) was created by Secretarial Order 3071, under the authority of Section 2 of Reorganization Plan 3 of 1950. The USGS Conservation Division’s administrative functions relating to leasing responsibilities for the Outer Continental Shelf were transferred to the new agency. The following year revenue-management responsibilities of the Conservation Division were also transferred to the MMS. Onshore-leasing responsibilities on public and Indian lands were transferred to the Bureau of Land Management.
General Records, 1901-80

642. MISSION CONTROL FILES. 1901-80. 213 ft.

Arranged in two chronological segments dated 1901-75, and 1976-80. There are two early items, dated 1887 and 1899, in the files. A list of file-title headings appears as Appendix 37 in this inventory.

Correspondence, memorandums, reports, statistical tables and summaries, copies of legislation, handwritten notes, newspaper clippings, press releases, copies of agreements, leases and contracts, copies of briefs, depositions, and court decisions, transcripts of hearings, computer-printout sheets, completed forms for "Log of Oil and Gas Wells" and "Lessee's Monthly Report of Sales and Royalty," lists of coal reserves by States, microfiche copies of reports, and other records concerning the administration, policies, and programs of the Division. Includes information concerning Federal contracts to sell gas, oil, helium, and coal; storage of gas and leasing of tar sands; government litigation and Division involvement in giving testimony and preparing reports; meetings and conferences to discuss and plan Division programs, and recommendations to other agencies and Congress on programs and policies; and cooperation with other Federal agencies, especially the Atomic Energy Commission (AEC), Department of Defense, General Land Office (and its successor the Bureau of Land Management), Bureau of Indian Affairs, and Forest Service. Includes records relating to the Division's cooperation in the AEC's PLOWSHARE Program for developing peaceful applications of nuclear energy, and participation in Project Rulison to assess the commercial feasibility of stimulating a natural-gas reservoir by using nuclear explosives. There are also records relating to USGS oversight of oil and gas exploration on the Outer Continental Shelf and investigation of disasters such as the Santa Barbara oil spill.

Also includes agendas, minutes, attendance lists, transcripts of meetings, reports, lists of members to various committees, and other records relating to the Division's participation in field, interdepartmental, interagency, congressional, and advisory committees. Of particular interest are the files on Indian-land regulations dating from 1901 that include correspondence and copies of rules and regulations relating to leasing Indian lands for oil, gas, and coal mining; royalties accrued by Indian lands; and the sale of those lands.

A few files on the file-title list consist of cross references to the Royalty Accounting Office and Administrative Office. The records of those offices are not in the National Archives.

643. RECORDS OF CONSERVATION BRANCH ATTORNEY GEORGE WEST HOLLAND. 1922-31. 0.25 in.

Arranged in rough chronological order.

Chiefly telegrams, letters, and memorandums concerning George W. Holland's travel and expenses. Also included is information relating to Holland's trips to Florida to investigate phosphate withdrawals.


Arranged alphabetically by name of utility, company, or other permittees, and thereunder roughly chronologically. A list of file-title headings appears as Appendix 38 in this inventory.

Narrative and statistical annual reports submitted to the USGS in compliance with the acts of February 15, 1901 (31 Stat. L., 790), and March 4, 1911 (36 Stat. L., 1253, 1254). In lieu of these reports, the permittees often sent copies of their reports prepared for the Federal Power Commission, State Regulatory bodies, and stockholders.
Also includes completed USGS forms for “Schedule for Annual Report”; correspondence; transcripts of hearings; printed articles; newspaper clippings; and other records concerning the development of waterpower resources on the public domain by public utilities and other organizations operating under Federal power permits or grants. Contains information that relates to the generation, distribution, and delivery of electric energy; use and alterations made of structures located on land under permit or grant; sources of power; total energy sold and revenues accrued; and operation and maintenance expenses of hydroelectric plants.

645. RECORDS CONCERNING RED RIVER OIL OPERATIONS. 1924-26. 2.5 ft.

The records are divided into two sets: the first part is arranged according to a decimal classification scheme; the second part is grouped alphabetically by subject. Thereunder, both sets are arranged chronologically. Oversized well-production records, arranged chronologically by month, follow the first two sets.

Chiefly correspondence, statistical tables and summaries, but also includes memorandums, reports, vouchers, copies of contracts, bank-deposit slips, canceled checks, handwritten notes and calculations, congressional and court documents, completed “Statement of Disbursing Account” forms, maps, and other records concerning the administration of the Red River Oil Operations in Oklahoma. Contains information that relates to the disbursement and expenditure of funds; oil produced and sold; bids for and purchase of government oil produced; equipment and supplies; personnel matters; insurance for and maintenance of wells; and claims for land rental. Also includes completed (oversize) forms for "Recapitulation Daily Gages" that give well numbers, tank numbers and size, gage reading, and barrels produced.

The Red River Oil operation was established by an act of March 4, 1923 (42 Stat. L., 1448), to administer the Red River oil fields in Oklahoma that had been placed under Federal receivership as a result of a suit between Texas and Oklahoma in the U.S. Supreme Court. Managed initially by the Bureau of Mines, the operation was transferred to the USGS on July 1, 1925. The operations were terminated on December 1, 1925, when the land was turned over to the claimants.

646. RECORDS CONCERNING COOPERATION WITH THE FEDERAL POWER COMMISSION. 1917-49. 15 in.

Arranged by subject, and thereunder chronologically.

Correspondence, memorandums, statistical tables and summaries, technical and annual reports by the USGS for the Commission, copies of Commission reports, regulations, decisions, and printed procedures, press releases, a list of Commission projects, and other records concerning USGS cooperation with the Federal Power Commission. Includes information relating to Division supervision over power projects with permits or licenses under construction and subsequent operations; appropriations, allotments, and expenditures; applications to the Commission for permits and licenses; completion of forms and reports by district engineers on Commission projects; and USGS investigations for court cases involving the Appalachian Power Company (1935-36) and the New-Kanawha Power Company (1934-40). Also contains a list of applications for preliminary permits and licenses (Serial No. 1 to 2032, for the years 1920-49) that gives the serial number, date, name of applicant, project title and description, and proposed use of project.

647. RECORDS CONCERNING THE SALES OF GOVERNMENT ROYALTY OIL TO SMALL REFINERIES. 1946-62. 3 ft.

Arranged numerically by contract-offer number (1 to 17). Offers 1 to 9 are arranged first by preliminary correspondence and then by refining company, and thereunder roughly chronologically; offers 11 to 17 are arranged chronologically. There is no contract offer No. 10.
Chiefly correspondence, but also includes memorandums, statistical tables and summaries, bid reports and summaries, abstracts of bids, copies of agreements and specifications for sales, copies of briefs, lists of eligible refineries and submitted applications, handwritten notes, and other records concerning the purchase and sale of government royalty oil to small refineries under the Small Refinery Preference Act of July 13, 1946 (60 Stat. L., 533). Includes information on the specifications and bids; applicants; rejections of bids; termination of royalty oil contracts; and protests by individuals or refining corporations concerning discontinued sale of certain fuels, and the awards of purchase to certain companies.
648.  MAPS SHOWING STATIONS AND TRANSMISSION LINES.  ca. 1921-22.  2 items. [NWCS, maps and plans]

Maps for Pennsylvania (1920) and West Virginia (1921) showing “stations and transmission lines used in public service.”

649.  MAPS OF INDIAN RESERVATIONS IN OKLAHOMA.  1929-34.  4 items. [NWCS, maps and plans]

The maps are titled “Map of the Cheyenne and Arapaho Indian Reservation, 1933; “Map of Restricted Indian Land - Cheyenne and Arapaho Reservation,” 1929; “Map of Restricted Indian Land - Iowa, Kickapoo, Sac & Fox, and Pottawatomie-Shawnee Reservations,” 1934; and “Map of the Wichita, Kiowa, Comanche, and Apache Reservations,” 1933.
Mineral Classification Division, ca. 1900-1980

The Division of Mineral Classification was established in 1912 within the Land Classification Board when the Board was separated from the Geologic Branch and made organizationally equivalent to a branch. The Board was renamed the Land Classification Branch in 1922. When the name of the Branch was changed to the Conservation Branch in 1925, the Mineral Classification Division remained as an organizational unit. The Division was responsible for the classification of the public lands with respect to their mineral resources, in accordance with the provisions of the Mineral Leasing Act of February 20, 1920 (41 Stat. L., 437), and later supplemental and amending legislation, and preparation of reports advising the General Land Office (later the Bureau of Land Management) on actions to be taken regarding the disposition lands under the public-land laws. Field examinations were done chiefly by the Geologic Branch. In 1949 the Conservation Branch was restyled a Division. The functions of the Division were transferred to the Geologic Division in 1982 when the Conservation Division was abolished.

650. LAND-CLASSIFICATION INDEX CARDS. ca. 1900-1922. 16 ft.

Arranged by State or Territory, thereunder by principal meridian and quadrant, thereunder by range, and thereunder by township.

Cards (5 in. x 8 in.) labeled coal, coal - noncoal, mineral - nonmineral, oil - nonoil, phosphate, and oil shale. Each card shows one township. On most of the cards, sections are colored in to delineate land withdrawn pending classification, classified coal land, classified noncoal land, and land restored without classification. Narrative information includes dates of letters to the Register and Receiver, orders, classification, and examination, usually with the name of the examiner.

651. INDEX TO WITHDRAWAL, MODIFICATION, AND RESTORATION ORDERS. ca. 1910-66. 15 in.

Arranged by type of order, thereunder by coal, helium, oil shale, phosphate, potash, petroleum, and mineral land, and thereunder alphabetically by State or Territory.

Cards (3 in. x 5 in.) showing the date of the order and legal land description or number of acres. Sometimes the dates of Land Classification Board minutes and actions also are given.


Arranged in eight sets: coal withdrawals, restoration, and classification, 1906-9 (3 volumes), coal classifications, 1910-24 (4 volumes), coal restorations, 1910-21 (5 volumes), coal withdrawals, 1910-13 (2 volumes), petroleum reserves - withdrawals, 1903-24 (2 volumes), petroleum reserves - restorations and modifications, 1909-15 (1 volume), phosphate reserves, 1908-15 (1 volume), and phosphate restorations, 1908-15 (1 volume). The contents of the volumes are arranged chronologically. Some of the volumes have a table of contents.

Chiefly copies of letters, with township lists, to the Commissioner of the General Land Office and the Secretary of the Interior describing lands affected by orders of withdrawal, modification of withdrawal, or restoration. There are also a few similar letters to the Commissioner of Indian Affairs and the Forest Service. The volumes also contain a few annotated maps, township diagrams, and memorandums. Many of the letters and lists are annotated. Some of the letters bear handwritten file numbers and appear to have once been part of the General Correspondence Files, 1890-1922, (entry 159) of the Geologic Division.

Chiefly color-coded township plats showing the location of land reported as coal-bearing (there are a few plats that also show iron- and oil-bearing land), land withdrawn pending classification, classification status of land, and dates of withdrawal and restoration orders. Some plats also indicate the monetary value of mineral-bearing land.

Arranged by type of record or subject and thereunder in rough chronological order.

Chiefly correspondence, transmittal letters and coal-land classification orders, but also including minutes of the Coal Classification Board, memorandums, circulars, newspaper clippings, copies of articles, regulations, proclamations, and instructions. Many of the records relate to the procedures drafted and adopted by the Coal Classification Board to examine, classify, and assign value to coal-bearing lands. The procedures extended to the compilation and format of reports submitted to the Board including the designation of symbols to be used on maps accompanying the reports. Other records concern the implementation of policies established by the Secretary of the Interior and the Director of the USGS, cooperation with other units of the USGS, the General Land Office, the Bureau of Indian Affairs, and the Forest Service, coal-land leases, oil- and gas-prospecting permits, and designations under the stock-raising homestead act.

Arranged chronologically.

Chiefly correspondence, memorandums, and lists of land but also including copies of withdrawal and restoration orders, reports on oil-field examinations, depositions, telegrams, and photographs. The records concern the examination and classification of oil-bearing lands, principally in the Sunset-Midway, McKittrick, and Coalinga Oil Districts, cooperation with the Department of Justice in a suit to recover oil lands patented to the Southern Pacific Railroad Company, and establishment of Naval Petroleum Reserves. The correspondence is with other units of the USGS, the Secretary of the Interior and the First Assistant Secretary, Department of Justice attorneys, the Commissioner of the General Land Office, oil company executives, and private consultants.

There are two untitled and undated oversize maps at the end of the series. One appears to show the rough location of the McKitterick and Sunset Oil Districts. The second map, stamped “Ralph Arnold” (a geologist with the USGS), covers that part of California from San Jose to the International Boundary. It is annotated to show the location of proven, probable, and possible oil fields.

The files are organized in two parts. The coal-land files are arranged alphabetically by State or Territory and thereunder by order number. The remaining files are arranged by State, mineral, or type of order.
Chiefly correspondence, memorandums, and withdrawal, modification, and restoration orders, but also includes handwritten notes, diagrams and sketches showing the locations of mineral-bearing lands and leases, annotated printed maps showing withdrawn mineral-bearing tracts, completed coal-prospecting permits, monthly reports of coal-prospecting permits, photographs, and geologic reports.

The records concern the withdrawal and restoration of mineral-bearing lands, operations of mining companies and individual prospectors, and cooperation with the General Land Office (and its successor the Bureau of Land Management), the Bureau of Mines, the Forest Service, and the Bureau of Indian Affairs.

There is also a file concerning the mineral character of lands in the diminished Crow Indian Reservation.

Some minutes of the Coal Classification Board are part of the records described in entry 654.

657. RECORDS CONCERNING THE CLASSIFICATION OF NORTHERN PACIFIC RAILROAD GRANT LANDS. 1909-26. 5 in.

Arranged in four sets as described below and thereunder chronologically.

The first set, 1909-17, 1924, is comprised chiefly of correspondence with the General Land Office, but also includes correspondence with geologists in the field, the Secretary of the Interior, and attorneys for the railroad, memorandums, lists of classified land, copies of land-classification reports, and annotated maps and township plats. The two 1924 items concern General Land Office (GLO) Circulars 930 and 931. The records concern the examination and classification of land as to its mineral or nonmineral character under the acts of February 26, 1895 (28 Stat. L., 683), and June 25, 1910 (36 Stat. L., 739).

The second set, 1910-17, is comprised of letters from the GLO transmitting lists of lands within the limits of the railroad grant and requesting examination and classification of those lands. There is also a list of lands involved in the “Garfield Agreement.”

The third set, 1911-22, consists of letters from the GLO regarding land classified as nonmineral.

The fourth set, 1911-26, consists of copies of letters to the GLO transmitting exhibits showing the classification of railroad-grant lands. Copies of the exhibits are not in the file.

658. MINUTES OF THE METALLIFEROUS-LAND CLASSIFICATION BOARD. March 1, 1912 - May 19, 1913. 0.5 in.

Arranged chronologically.

The minutes concern the classification of Northern Pacific Railroad grant lands, compilation of State “Safety Maps,” which show areas classified as mineral, nonmineral, or not yet classified, and the legal and geologic phases of land-classification work, especially with regard to Indian-reservation lands. Included is a draft of a paper titled “Principles Governing Mineral Land Classification,” by Frank C. Calkins, April 17, 1912, accompanied by critical notes from readers. It is not known if this series comprises a complete set of the minutes.

659. RECORDS CONCERNING INDIAN-LAND CLASSIFICATION. 1912-17. 3 in.

Arranged by name of Indian Reservation.
Chiefly copies of letters sent to the Commissioner of Indian Affairs comprising reports “as to the mineral character and power site or reservoir possibilities” of Indian lands. A separate file contains correspondence and minutes of meetings of the Metalliferous Board, April 25 and July 22, 1912, concerning iron deposits in the Blackfoot Reservation, Montana.

660. CROSS-REFERENCE SHEETS CONCERNING LAND CLASSIFICATION. 1912-16. 0.25 in.

Arranged chronologically.

Land-description summaries shown by township and range indicating lands classified as mineral or nonmineral in character. The summaries were directed chiefly to the Office of Indian Affairs, but also to the General Land Office, the Secretary of the Interior, and the Secretary of Agriculture. Each sheet carries a reference to a complete list of lands. Those lists have not been found.

661. OVERSIZE MAPS SHOWING LOCATIONS OF SEGREGATED COAL LANDS AND COAL FIELDS
1929, 1935. 8 items

Arranged by county or land district: Carbon and Emery Counties, Utah (1929); Stigler-Poteau District (2 maps), Howe District, Wilburton District, McAlester District, and Lehigh District, Oklahoma (1935); and Huerfana and Los Animas Counties, Colorado (n.d.). The maps are filed with the textual records.

All the county and district maps show coal-bearing land and location and names of companies operating coal mines. Some of the maps also show railroad lines, gas wells, and other features.

662. INDEX TO PUBLIC-LAND ORDERS. 1942-47. 6 in.

Arranged numerically by order number, 1-393. Some numbers do not appear in the index.

Cards (4 in. x 6 in.) showing State or Territory, Federal Register citation (volume, number, page), date of order, purpose, and sometimes the legal-land description.

There are two sets of cards at the end of the series: the first lists the orders as they appeared in the Federal Register, and the second organizes the orders by State or Territory.

663. A MAP SHOWING MAPPING AND CLASSIFICATION PROGRESS TO JANUARY 1964. 1 item

An oversized color-coded map of the United States showing geologic-mapping area in progress, geologic mapping completed, classification minutes submitted, classification minutes approved, areas being classified from subsurface data or published reports, and areas containing withdrawn mineral lands. The map is filed with the textual records.
Oil and Gas Leasing functions were transferred from the Bureau of Mines in 1925 and assigned to the newly established Mineral Leasing Division. In 1932 a separate Oil and Gas Leasing Division was established. The Division was renamed the Oil and Gas Leasing Branch in 1949. The Branch was responsible for supervising the prospecting, development, and production of oil and gas from leases on Federal, Indian, and certain naval-petroleum-reserve lands. In 1959 the Branch was renamed the Branch of Oil and Gas Operations. The functions of the Branch were transferred to the Bureau of Land Management in 1983.

664. RECORDS MAINTAINED BY HALE BRYAN SOYSTER CONCERNING PROPOSALS TO CONSERVE OIL AND GAS. 1934-43. 5 in.

Arranged by subject, and thereunder chronologically.

Chiefly correspondence, but also includes memorandums, reports, statistical tables and summaries, copies of testimony, hearing proceedings and speeches, handwritten notes, newspaper clippings, copies of House bills, and other records relating to Hale B. Soyster's cooperation with committees concerned with petroleum conservation. Soyster completed studies and testified before the Petroleum Sub-Committee of the House Interstate and Foreign Commerce Committee (also known as the "Cole Committee"). This committee undertook investigations of the oil industry, and proposed a bill (H.R. 7372, 76th Congress, 1st Session) to conserve petroleum and control the production of oil and natural gas.

Soyster also testified before the National Resources Board's Temporary National Economic Committee regarding the conservation of petroleum on the public domain and Indian lands.

Soyster served as the Chief of the Oil and Gas Leasing Division from 1932 to 1943, and as Chief of the Conservation Branch from 1943 to 1944.

665. RECORDS CONCERNING BRANCH CONFERENCES. 1930-68. 1.5 ft.

Arranged chronologically.

Copies of papers, minutes, correspondence, memorandums, transcripts of proceedings, handwritten notes, newspaper clippings, and other records relating to Branch conferences and meetings that concern the policies and procedures of the Branch's oil- and gas-leasing programs. Also included are "Flexograph" recordings of the Oil and Gas Supervisor's conference of April 1949, and Harold G. Barton's (Chief of the Branch) notebook from the Supervisor's Conference in September 1956.

666. RECORDS CONCERNING OIL- AND GAS-LEASING FORMS AND REGULATIONS. ca. 1920-52. 1.5 ft.

Arranged by subject, and thereunder roughly chronologically.

Correspondence, memorandums, reports, copies of blank leases, leasing and operating regulations, Federal codes, and congressional bills, statistical tables and summaries, minutes of meetings, transcripts of conference proceedings, newspaper clippings, handwritten notes, bulletins, and other records that concern revisions of leasing forms (particularly those applying to Indian lands) and regulations for oil and gas operations. Includes information relating to proposed and accepted oil- and gas-leasing forms and operating regulations, active oil-leases on Indian lands and USGS
supervision over work on these lands; lack of compliance with leasing and operating regulations; and changes in oil-lease bidding rules and royalty rates as leasing forms were amended.

667. NATURAL-GAS GASOLINE STATISTICS. 1923. 0.5 in. 1 oversized volume.

The entries are arranged by State, thereunder alphabetically by county, and thereunder by name of oil company or operator. Each entry has an assigned number. The significance of the numbers is not known.

The folio-style columnar sheets are divided into two sections. Column headings in the “consolidated statement” section include stocks - January 1, 1923, production, purchased consumed by company, sales, losses, stocks - December 31, 1923, and total quantity of raw natural-gas gasoline. Column headings in the “detailed statement” include list of plants operated, name of plant, location of plant, daily capacity of plant (gallons), quantity and value of gasoline produced, price per gallon, quantity and yield of gas treated, and quantity of raw product.

668. STATISTICAL DATA CONCERNING OIL AND GAS OPERATIONS IN THE UNITED STATES. 1934-59. 1.5 ft.

Arranged by subject, and thereunder chronologically.

Chiefly statistical tables and summaries, but also includes correspondence, memorandums, reports, copies of articles, graphs, maps, handwritten notes and calculations, and other records concerning oil and gas resources in the United States. Contains data that relates to estimated oil and gas reserves; wildcat-drilling operations; royalty accruals from public lands; and the production of oil, gas, coal, and other minerals in the United States.


Arranged chronologically by month, and thereunder by district.

Narrative monthly reports from the district offices of the Branch that also contain statistical tables and summaries, correspondence, graphs, diagrams, plats, and photographic prints. Includes information on the number and status of oil- and gas-prospecting permits and new oil leases on public, Indian, and military lands, naval reserves, and the Outer Continental Shelf; number of wells drilled for oil and gas; U.S. Government royalties accrued from oil, gas, and gasoline produced from government lands; recommendations for investigations; and personnel matters.

The first three volumes (volumes 2 and 3 are bound together) were compiled by the Bureau of Mines.

670. MAPS CONCERNING THE LOCATIONS OF OIL-FIELD LEASES. ca. 1934. 16 items. [NWCS, maps and plans]

Included are maps that appear to have accompanied a letter dated January 26, 1937, to the Secretary of the Interior from the Texas Pipeline Company and signed by L. E. Burrows. One of the maps is titled “The Texas Pipeline Company Map of Midcontinent Oil Trunk Pipe Line Systems,” January 1, 1934. The other unlabeled maps appear to show oil leases in Louisiana, New Mexico, and Texas.

Other items in this series are a “Geologic and Structure Contour Map of the Osage Oil Field, Weston County, Wyoming,” 1935; a printed undated drawing of the “Inner Harbour [and] Navigation Canal of the Greater Port of New Orleans;” and an undated item titled “An Index of Sheets Issued by various Governments on a Uniform Scale of 1:1,000,000” for sale by the International Map Company, Inc.
The Mining Division was established in 1930 to exercise functions formerly administered by the Oil and Gas Leasing Division. The Mining Division was responsible for the application of various mineral-leasing laws regarding operations and activities concerned with the prospecting, development, and production of various minerals, fuels, and fertilizers under leases on Federal and Indian lands. The Mining Division was renamed the Mining Branch in 1949. The name of the Branch was changed to the Branch of Mining Operations in 1959.

671. REPORTS AND OTHER RECORDS CONCERNING EMERGENCY-RELIEF-FUNDED MINE-SAFETY PROJECTS. 1933-35. 6 ft.

Arranged by Federal-project number (No. 55 to 66), and thereunder chronologically.

Chiefly monthly progress and final reports that include correspondence, statistical summaries, newspaper clippings, plats, and photographic prints concerning civil- and public-works projects to preserve and protect mines on the public domain and Indian reserves. Includes projects to eliminate health hazards at mines, safeguard mine openings, fill abandoned mine shafts, prevent the flooding of mines, and control outcrop fires.

Entry 674 contains additional information about some of these projects.

672. RECORDS CONCERNING COOPERATION ON PUBLIC WORKS PROJECTS. 1933-36. 7 in.

Arranged by State as follows: California, Colorado, Montana, North Dakota, Oklahoma, Utah, and Wyoming, and thereunder chronologically.

Chiefly correspondence, but also includes memorandums, statistical summaries, reports, plats, newspaper clippings, photographic prints, and other records concerning Public Works projects to control and extinguish coal-outcrop fires at mines, and safeguard mine openings. Includes information on appropriations, allotments and expenditures, progress of projects, personnel matters, and location of mines. Also contains records that relate to the plugging and abandonment of sodium-prospect wells in California and a study of rock formations and their relation to the occurrence of oil and gas in Osage County, Oklahoma.

Some of these projects are discussed in entry 671.

673. RECORDS CONCERNING PUBLIC WORKS PROJECTS ON INDIAN COAL LANDS IN OKLAHOMA. 1933-37. 5 in.

Divided into the McAlester and Miami Districts, and thereunder roughly chronologically.

Chiefly correspondence, but also includes memorandums, reports, statistical summaries, handwritten notes, copies of articles, photographic prints, and other records concerning Public Works projects on restricted and segregated Indian coal lands in Oklahoma. The projects were begun to reduce the hazards of mine fires and floods. Includes information on appropriations, allotments and expenditures, progress of projects, personnel matters, and supplies.
RECORDS CONCERNING COOPERATION WITH NEW-DEAL AGENCIES ON MINES AND MINE SAFETY. 1933-41. 5 in.

Arranged by subject.

Correspondence, memorandums, reports, statistical tables and summaries, newspaper clippings, handwritten notes, circulars, and copies of the National Industrial Recovery Act (NIRA) of June 16, 1933 (48 Stat. L., 195). NIRA codes and Public Works Administration (PWA) rules and regulations, copies of articles, plats, photographic prints and other records concerning the Division's cooperation with the National Recovery Administration, Civil Works Administration, and PWA. Includes information on the Division's work on the mining lands of the public domain and on Indian reserves; appropriations, allotments, and expenditures for cooperative projects; personnel matters; and specific projects such as safeguarding mine openings from fires, protection of Indian mines from natural hazards, and inspection of coal leases. Also contains a copy of the agendas, minutes, codes, and bylaws resulting from the American Mining Congress meeting on June 26, 1933 concerning cooperation under the NIRA; and completed PWA project reports for 1938.
A Division of Hydrographic Classification was created when the Land Classification Board achieved branch status in 1912. The Division was renamed the Power Division when the Land Classification Branch (1922) was renamed the Conservation Division in 1925. By 1940 the unit had been renamed the Water and Power Division. The Division was renamed the Water and Power Branch in 1949. The Branch was responsible for classifying the public lands with regard to their water-power and water-storage possibilities. The Branch was renamed the Branch of Waterpower Classification in 1959.

675. RECORDS CONCERNING LAND AND STREAM CLASSIFICATION. 1894-1961. 54 ft.

Arranged according to a numeric system. A list of file headings appears as Appendix 39 in this inventory.

Chiefly narrative and statistical reports, but also includes publications, congressional reports, statistical tables and summaries, plats, maps, completed USGS forms for "Water Power Development" and "Power Classification," completed permit applications to appropriate State waters, correspondence, memorandums, photographic prints and negatives, diagrams, press releases, newspaper clippings, handwritten notes, and other records concerning investigations of lands and streams on the public domain and Indian reserves to determine waterpower and storage possibilities. Includes reports that relate to potential and available power resources, sufficiency of water for irrigation and municipal uses, use of water and power by industries, proposed and existing dam and reservoir sites, utilization and improvements of existing water and power supplies, and recommendations for withdrawal of land for power purposes.

Many of these reports evaluate the feasibility of proposed water-power projects being considered for permits and licenses by the Federal Power Commission. Similar reports also were prepared for the Forest Service; the General Land Office, and its successor, the Bureau of Land Management; the Bureau of Reclamation; the Army Corps of Engineers; and the Bureau of Indian Affairs.

Most of the records date from 1910.

676. LAND-CLASSIFICATION MAPS AND RELATED RECORDS. 1899-1934. 68 items. [NWCS, maps and plans]

The series consists of maps of the following areas and subjects: Mt. March and vicinity, 1899, 1904; Utah, 1931; the Central Great Plains, undated; the Northern Great Plains, undated; Northwest Colorado, 1930; Southwest Colorado, 1930; Washington, 1902 (4 parts); water resources of the Snake River Basin, 1932 (2 parts); the Pine Region of Minnesota, 1899 (6 parts); Northwest Wyoming, about 1934; and Southwest Wyoming, about 1934.

The maps are accompanied by processed issuances titled “Land Classification of Western Colorado,” 1933; “Utilization of Water Resources of [the] Snake River Basin,” 1932; and “Land Classification of the Central Great Plains,” 1931 (bound in 4 parts).

677. ADMINISTRATIVE-CONTROL MAPS. ca. 1901-46. 6 vols. [NWCS, maps and plans]

Bound sets of maps grouped as follows: Arizona, California, Colorado and Idaho, Montana, New Mexico and Oregon, and Nevada.
The maps show original plottings and drawings of rights-of-way and easements granted under the acts of February 15, 1901 (31 Stat. L., 790), and March 4, 1911 (36 Stat. L., 1253). Shown are the locations, ownership, and serial numbers of each permit or grant for proposed and existing railroads, highways, telegraph and telephone lines, pipelines, transmission lines, reservoirs, tunnels, and canals associated with irrigation and power projects. The maps are at 1:250,000. The handwritten annotations are very small and difficult to read without a magnifying glass.
In 1958 activities relating to enforcement of the Connally (“Contraband [or ‘Hot’] Oil”) Act of February 22, 1935 (49 Stat. L., 30), were transferred from the Office of Oil and Gas in the Office of the Secretary of the Interior to the USGS and placed in the Office of the Chief of the Conservation Branch. In 1963 all functions of the Federal Petroleum Board relating to the Connally Act were transferred to the newly established Branch of Connally Act Compliance. The branch was abolished in 1966.

678. RECORDS CONCERNING THE ADMINISTRATION OF THE CONNALLY ACT. ca. 1940-69. 9.5 ft.

Arranged alphabetically by district office, and thereunder numerically by case number. The district office records are followed by files arranged by subject.

Case files, including correspondence, memorandums, copies of briefs and complaints, transcripts of hearings, statistical tables and summaries, well-production and well-status reports; copies of forms for "Producer's Monthly Report" and "Refiner's Monthly Report," newspaper clippings, handwritten notes, plats, diagrams, printed court documents, and other records concerning the investigations and litigation resulting from noncompliance with the Connally "Contraband Oil" Act. Many of the records in these files were compiled as evidence and exhibits for the litigation proceedings.

Also includes records relating to the enforcement of subpoenas, budget appropriations for Connally Act enforcement, Connally Act compliance activities in 1966, and oil fields exempt from reporting requirements under Connally Act regulations (1962). Also statistical summaries of tanker and barge commercial shipments of petroleum products from the Gulf Coast (1947-64); a publicity file for 1965-66 that includes photocopies of newspaper clippings; and a binder containing a compilation of certain pleadings and decisions from contested Connally Act litigation, assembled to present pertinent issues raised in the administration and enforcement of the act.

679. GENERAL RECORDS. ca. 1937-71. 4 ft.

Arranged by subject or type of record.

Correspondence, memorandums, handwritten notes, statistical summaries, monthly reports, speeches, press releases, handbooks, aerial photographs, and other records concerning implementation of Connally Act regulations, amendments to the regulations and re-delegations of authority; cooperation with other Federal Agencies, especially the Department of Justice; slant-well and trucking investigations; management and staffing of district offices; and transfer of the functions of the Federal Petroleum Board to the Branch of Connally Act Compliance in 1963.

Also included is a case docket showing the disposition of Connally Act violation cases (K-05000 to K-05935); exhibits and background material relating to a "Mineral Disposal Study" (1966) compiled by a task group studying the pricing and disposal of federally owned mineral resources; and records concerning the suspension of enforcement of Connally Act regulations by the Federal government and subsequent disposition of records maintained by the district offices. Most of the inquiry letters received after the branch was abolished were filed in this series.
The Division of Alaskan Mineral Resources, established in 1903 within the Geologic Division, was the only major unit of the USGS organized to work in a specific geographic area. In 1922 the Division was separated from the Geologic Branch and given branch status. The title of the new Branch’s chief was changed from Geologist-in-charge to Chief Alaskan Geologist. The Branch of Alaskan Mineral Resources was renamed the Alaskan Branch in 1925 by Survey Order 118. As the unit’s field parties conducted geologic and topographic studies, and then water-resource investigations, in effect it was a small version of the USGS. The Alaskan Branch was abolished in 1946 and its functions in geology, topography, water resources, and public-land classification were distributed to the appropriate operational units of the USGS. In addition to the Branch records described below, records concerning USGS work in Alaska are described in the records of the Staff Geologist for Territories and Island Possessions, entry 60; the records of the Division of Alaskan Mineral Resources, entries 216 and 217; records concerning the Aleutian Volcano Project, entry 249; the records of the Alaskan Geology Branch, entries 258-265; records concerning the Alaska Terrain and Permafrost Section of the Military Geology Branch, entry 285; and records concerning Land and Stream Classification, entry 675.

680. CENTRAL FILES OF THE ALASKAN BRANCH. 1899-1952. 2.5 ft.

Arranged according to a decimal-classification scheme, and thereunder roughly chronologically. A file concerning the termination of the Branch follows the main files.

Correspondence, memorandums, monthly and annual reports, technical and progress reports, statistical tables and summaries, handwritten notes, completed field-work report forms, press releases, newspaper clippings, lists of manuscripts and maps in preparation, travel vouchers, maps, and other records concerning the administration and programs of the Alaskan Branch. Specific projects covered are Public Works Projects No. 69, special mapping work, and No. 162, for mineral-resources surveys; an aerial-survey expedition in 1926 in cooperation with the Navy Department; and land surveys at Yakutat and Annette Island in 1940 in cooperation with the War Department. Also contains records on mapping activities in Alaska furnished by the USGS to the Federal Board of Surveys and Maps and the Science Advisory Board's Committee on Mapping Services; and reports of meetings from the Board of Surveys and Maps (1931-39).

Of particular interest are the monthly and annual reports, and reports of field work, dating from 1899, that concern geologic and topographic projects; Alaska mining development; cooperation with other Federal agencies, such as the Forest Service, the Alaska Road Commission, and the Bureau of Biological Survey; maintenance of a testing lab at College, Alaska; appropriations and allotments for Alaska projects; personnel matters; and publications. A file, dated 1946-52, relating to the termination of the Branch in 1946 was added subsequently by John Calvin Reed (Sr.).

681. ADMINISTRATIVE CORRESPONDENCE CONCERNING JOHN CALVIN REED (SR.). 1931-38. 2 in.

Arranged chronologically.

Included are letters reporting on progress of work, copies of letters of instruction to Reed, telegrams, requests for supplies, abstracts of allotments and expenditures, tabulations of field expenses, and an injury claim. The two files concern Reed's activities as associate geologist for the Alaskan Branch, 1932-1941. The files were maintained in the Washington, D.C. offices of the USGS.

Office files of John C. Reed (Sr.) as Staff Geologist are described in entry 60.
682. ALASKA ALPHABETICAL MAP FILE. ca. 1892-1944. approx. 400 items. [NWCS, maps and plans]

Arranged alphabetically by name of nearest large town or geographical feature.

Included are tracings, blueprints, annotated published maps, metal mounts, and planetable sheets. Some of the maps originated with the General Land Office and the Coast and Geodetic Survey. The maps concern regional topography, townsites, railroads, water-power reconnaissance surveys, coal lands, coal-land claims, and related subjects. There are also maps showing roads and trails, 1941-42 (Juneau); and a large map showing Glacier Bay and adjacent glaciers, 1892, by Henry F. Reid (Mt. Fairweather). Of particular interest are two envelopes of sketches, with diary notes on the reverse of a few of the sketches, compiled by Ernest de K. Leffingwell in connection with his survey of the Arctic coast of Alaska, about 1910-13. The envelopes are labeled Flaxman Island and Beechey Point. A map titled “Barrow Point and Port Moore, 1853,” and stamped “E. de K. Leffingwell” is filed under Barrow Point.

683. ALASKA DECIMAL MAP FILE. ca. 1898-1941. approx. 850 items. [NWCS, maps and plans]

Arranged by decimal numbers. It is not known who assigned the decimal numbers or the significance of the numbers. There is no correlation between these decimal numbers and the decimal file system used for the Central Files of the Alaska Branch.

The records are in the form of manuscript maps, blueprints, planetable sheets, annotated published maps, and metal mounts. Included are contour maps, geologic-reconnaissance maps, reference maps from the Coast and Geodetic Survey, parts of quadrangle maps, topographic-reconnaissance maps, and tactical maps compiled by the Army Corps of Engineers in 1940-41 (file 21.1). The subjects include highway routes, river systems and headwaters, regions of Alaska, mining districts, glaciers, areas explored by seasonal survey parties, positions of camera stations, and naval petroleum reserves. Some of the maps carry information on both sides.

684. MISCELLANEOUS MANUSCRIPT MAPS OF ALASKA. ca. 1900-1940. approx 100 items. [NWCS, maps and plans]

Some of the maps are arranged in groups by name of quadrangle. The remainder are unarranged.

Included are annotated printed maps, sketches, planetable sheets, and blueprints. Subjects include the route of the Harriman Expedition (1899), telegraph stations, mountain ranges, and railroad lines. Of particular interest is a copy of a “Chart of part of the North West Coast of America from Point Rodney to Point Barrow by Captain F[rederick]. W. Beechey, R.N., F.R.S., in His Majesty’s Ship Blossom,” 1826-27.

685. PUBLISHED MISCELLANEOUS MAPS OF ALASKA. ca. 1902-96. 26 items. [NWCS, maps and plans]

Arranged by assigned number.

The items include a map showing the locations of aviation fields (existing and proposed) and route of a proposed international highway; the location of the proposed route of the Pacific Yukon Highway; locations of air fields, hydroplane landings, and a zeppelin field near Fairbanks; topography of the Mt. McKinley region, Copper River and Chistochina River Region, and headwaters of the Copper and Tanana Rivers; topographic-reconnaissance maps of Seward Peninsula and the Innoko-Iditarod region. Other subject areas covered by the maps include the status of geologic surveys, locations of gold and coal deposits, and locations of national-interest lands. Most of the maps in this series were collected by the Alaskan Branch and its predecessor the Division (later Branch) of Alaskan Mineral Resources. A few later miscellaneous items relating to Alaska were placed with these records because of the similar subject matter.
PHOTOGRAPHS OF SUBJECTS IN ALASKA. ca. 1912-41. 1.5 in. 1 album.

Arranged by subject. There is a general table of contents. This is series AL (NWCS, still pictures).

The first part of the album contains photographs taken by Merl La Voy when he accompanied the Parker-Browne Expedition on a climb of Mt. McKinley in 1912. La Voy sent the photographs to the USGS in 1924.

Other photographs of subjects in Alaska taken by various photographers fill the remainder of the album. The subjects include commercial vessels, railroads, towns, residents, scenery, glaciers, mines, and earthquake damage. A few of the photographs were taken from an airplane.
Appendix 1

Select List of Legislation

March 3, 1879 (20 Stat. L., 394-395), created the USGS and terminated the three ongoing geological and geographical surveys (predecessor surveys) led by Ferdinand V. Hayden, John W. Powell, and George M. Wheeler

August 7, 1882 (22 Stat. L., 329), directed the continued preparation of a geological map of the United States; the collection of statistics about mines and mining; and the conducting of chemical analyses of iron, coal, and oil

July 7, 1884 (23 Stat. L., 212), provided that scientific employees of the USGS be selected exclusively for their qualifications as professional experts

March 3, 1887 (24 Stat. L., 527), required the USGS hereafter to itemize its estimates (requests for appropriations)

March 20, 1888 (25 Stat. L., 618-619), authorized the investigation of the feasibility of constructing reservoirs for the storage of water in the arid regions of the United States

October 2, 1888 (25 Stat. L., 526-527), authorized the investigation of “the extent to which the arid regions of the United States can be redeemed by irrigation, and the segregation of the irrigable lands in such arid region, and for the selection of sites for reservoirs and other hydraulic works necessary for the storage of water and prevention of floods and overflows” (resulted in the creation of the Irrigation Survey); an appropriation for the compilation of the report on the mineral resources of the United States; and extended paleontological, and physical chemical researches; and geologic and topographic surveys in various parts of the United States

August 30, 1890 (26 Stat. L., 391), repealed the provisions of the act of October 2, 1888, establishing the Irrigation Survey

March 3, 1891 (26 Stat. L., 1103), provided for the establishment of forest reserves

April 12, 1892 (27 Stat. L., 395), provided that the facilities for research and illustration of the USGS and other agencies be made accessible to scientific investigators and to students of institutions of higher education incorporated by Congress or the District of Columbia

July 31, 1894 (28 Stat. L., 197), authorized the Secretary of the Interior to name one of the geologists to act as Director of the USGS in the absence of the Director

August 18, 1894 (28 Stat. L., 398), appropriated funds for “gauging the streams and determining the water supply of the United States, including the investigation of underground currents and artesian wells in arid and semiarid sections”

March 2, 1895 (28 Stat. L., 939), provided for the investigation of the coal and gold resources of Alaska

February 26, 1896 (28 Stat. L., 683), provided for the classification of mineral lands situated as part of grants to the Northern Pacific Railroad in Idaho and Montana

May 14, 1896 (29 Stat. L., 120), provided for rights-of-way for reservoirs, canals, and electric power generation, manufacture, or distribution

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June 11, 1896 (29 Stat. L., 435), provided that in topographic surveys elevations be determined and marked on the ground by iron or stone posts or permanent bench marks

June 4, 1897 (30 Stat. L., 34), provided for the survey of public lands that have been or may be designated as forest reserves

June 17, 1902 (32 Stat. L., 388), the “Newlands Act” created a reclamation fund; the Reclamation Service was established within the USGS on July 8

February 4, 1904 (33 Stat. L., 33), provided for analyzing and testing of coals and lignites to determine their fuel values and most economic utilization

February 1, 1905 (33 Stat. L., 628), provided for the transfer of the administration of forest reserves to the Department of Agriculture and its Bureau of Forestry (established as a Division in 1881); the USGS retained topographic and special surveys of the forest reserves until the line item was merged with the general topographic surveys in 1918

May 22, 1908 (35 Stat. 226), provided for investigations of the causes of mine explosions and led to the creation of the Technologic Branch

May 27, 1908 (35 Stat. L., 349), provided for continuing the chemical analysis and testing of coal, lignites, and other mineral fuels; and continuing the investigation of structural materials

February 19, 1909 (35 Stat. L., 639), Enlarged Homestead Act

May 16, 1910 (36 Stat. L., 370), created the Bureau of Mines, principally by transferring the Technologic Branch; structural-materials testing passed to the Bureau of Standards

March 1, 1911 (36 Stat. L., 961-963), the “Weeks Act,” provided for the protection of the watersheds of navigable streams and created the National Forest Reservation Commission

July 17, 1914 (38 Stat. L., 509-510), withdrew from agricultural entry lands classified or reported as containing phosphate, nitrate, potash, oil, gas, or asphaltic materials

June 9, 1916 (39 Stat. L., 219), provided for the examination and classification of the Oregon and California Railroad Company’s land-grant lands and other grants of rights-of-way or use permits whose titles revest in the U.S. Government

August 21, 1916 (39 Stat. L., 518), provided for the location, development, and protection of desert-watering places

December 29, 1916 (39 Stat. L., 862), the “Stock-Raising Homestead Act”

June 12, 1917 (40 Stat. L., 145), provided for the examination and classification of lands to determination their suitability for enlarged homesteads, stock-raising homesteads, public-watering places and stock driveways; and the location, development, and protection of springs, streams, and water holes on arid public lands

October 1, 1917 (40 Stat. L., 297), the “Potash Leasing Act” - provided for the exploration and disposition of potassium deposits
July 1, 1918 (40 Stat. L., 669), directed the USGS to conduct for the War Department (WD) special topographic and other surveys selected by the WD

February 25, 1920 (41 Stat. L., 437), the “Mineral Leasing Act”

June 5, 1920 (41 Stat. L., 910-911), created the Superpower Survey “for a survey of power production and distribution”

June 10, 1920 (41 Stat. L., 1063), the “Federal Water Power Act” created the Federal Power Commission

September 22, 1922 (42 Stat. L., 1023), created the United States Coal Commission

February 27, 1925 (43 Stat. L., 1011), the “Temple Act” directed the USGS to enter into cooperative agreements with the States to complete a topographic map of the United States within 20 years

May 18, 1933 (48 Stat. L., 58), created the Tennessee Valley Authority

June 16, 1933 (48 Stat. L., 195), the “National Industrial Recovery Act”

June 28, 1934 (48 Stat. L., 1269), the “Taylor Act” passed to “stop injury to the public grazing lands”; the Agricultural Division of the USGS Conservation Branch was transferred in 1935 to the Grazing Service

February 22, 1935 (49 Stat. L., 30), the “Connally Act” regulated interstate and foreign commerce in petroleum and its products

August 26, 1935 (49 Stat. 838), amended the “Federal Water Power Act” of 1920

April 26, 1938 (52 Stat. L., 235), authorized “the procurement and transportation of strategic and critical materials” to be determined by the Secretary of the Navy

June 20, 1938 (52 Stat. L., 816), continued the Public Works Administration (PWA) and appropriated funds for surveys and mapping by Federal agencies to be administered by the PWA

December 24, 1942 (56 Stat. L., 1086), allowed the acquisition of lands for stream-gaging stations

August 1, 1946 (60 Stat. L., 755), the “Atomic Energy Act” provided for the withdrawal of lands bearing radioactive ores

January 27, 1948 (62 Stat. L., 6), the “United States Information and Educational Exchange Act”

April 3, 1948 (62 Stat. L., 137), the “Foreign Assistance Act”

September 8, 1950 (64 Stat. L., 798), the “Defense Production Act”

October 10, 1951 (65 Stat. L., 373), the “Mutual Security Act”

July 9, 1952 (66 Stat. L., 454), restricted the USGS share of topographic mapping or water-resource investigations in cooperation with States or municipalities to not more than 50 percent of cost

May 22, 1953 (67 Stat. L., 29), the “Submerged Lands Act” provided for United States jurisdiction over the lands and natural resources of the Continental Shelf
August 7, 1953 (67 Stat. L., 462), the “Outer Continental Shelf Lands Act” provided for the leasing of lands of the continental shelf for the exploration for and development of mineral resources

August 4, 1954 (68 Stat. L., 666), the “Watershed Protection and Flood Protection Act”

August 13, 1954 (68 Stat. L., 708), the “Multiple Mineral Development Act”

August 21, 1958 (72 Stat. L., 700), the “Minerals Exploration Act”

August 23, 1958 (72 Stat. L., 837), extended the authorization for USGS work to Antarctica and the Trust Territory of the Pacific Islands

August 28, 1958 (72 Stat. L., 959), the “Federal Employees International Organization Service Act”

September 4, 1961 (75 Stat. L., 424), the “Act for International Development”

September 5, 1962 (76 Stat L., 427), expanded the authorization for the USGS to work outside the national domain

September 3, 1964 (78 Stat. L., 890), the “Wilderness Act”

July 22, 1965 (79 Stat. L., 244), the “Water Resources Planning Act”

October 15, 1966 (80 Stat. L., 951), authorized contracts for scientific and technical research

October 27, 1972 (86 Stat. L., 1280), the “Coastal Zone Management Act”

December 31, 1973 (87 Stat. L., 975), the “Flood Disaster Protection Act”

September 3, 1974 (88 Stat. L., 1079), the “Geothermal Energy Research, Development, and Demonstration Act”

April 5, 1976 (90 Stat L., 303), the “Naval Petroleum Reserves Protection Act”

October 7, 1977 (91 Stat. L., 1098), the “Earthquake Hazards Reduction Act”

September 17, 1978 (92 Stat. L., 601), the “National Climate Program Act”

December 30, 1982 (96 Stat. L., 1972), authorized the USGS “to accept lands, buildings, equipment, and other contributions from public and private sources and to prosecute projects in cooperation with other agencies, Federal, State, or private”


March 10, 1983 (97 Stat. L., 1557), established the “Exclusive Economic Zone [EEZ] of the United States of America” and yielded a USGS program to map the EEZ

March 22, 1984 (98 Stat. L., 97), the “Water Resources Research Act”

July 17, 1984 (98 Stat. L., 468), the “Barrow Gas Field Transfer Act”

September 28, 1984 (98 Stat. L., 1675), the “High Plains States Groundwater Demonstration Program Act”

December 22, 1987 (101 Stat. L., 1407), the “Global Climate Protection Act”

September 22, 1988 (102 Stat. L., 1760), the “Continental Scientific Drilling and Exploration Act”

November 16, 1990 (104 Stat. L., 2975), the “Antarctic Protection Act”

November 16, 1990 (104 Stat. L., 3096), the “Global Change Research Act”


October 30, 1992 (106 Stat. L., 4693), the “Western Water Policy Review Act”

April 26, 1996 (110 Stat. L., 1321-165), transferred the National Biological Service’s funds to the USGS. The statute also gave the USGS the U.S. Bureau of Mines’ authority “to conduct mineral surveys and to determine mineral values”

August 5, 1997 (111 Stat. L., 1107), the “National Geologic Mapping Reauthorization Act”
Appendix 2

Office of the Director - Correspondence and Related Records, ca. 1906-48 (entry 49)

Accounts, Division of, 1906-19
Addresses, Speeches, 1908-47
Administrative Geologist, 1906-30
Anniversary (40th) of the Geological Survey, 1919
Auction Sales - Pacific Division, 1925
Budget and Administrative Letters, 1928, 1945-48
California Cooperation (Audit of funds disbursed by James R. Gaskill from the State of California Cooperative Account and other Accounts), 1923-25
California Cooperation - Data (bank statements) [related to audit], 1923-24
Coal, 1907-11, 1929
Coal Commission - United States, 1923-29
Comptroller General of the United States, 1926, 1939, 1942-43
Conference - Other Departments (cooperation with the General Land Office and the Forest Service), 1908-13
Congressional thanks for Federal Activities, 1928-29
Conway Controversy [resignation of two clerks, sisters surnamed Conway], 1920
Cooperation - Federal, [includes a report by Robert B. Marshall on Glacier National Park], 1908-37
Cooperation with States, 1908-32
Distribution of Survey Publications, 1916-23
Engraving and Printing, 1915-23
Executive Division (Business Methods, Regulations, Personnel), 1910-11
"Fiscal Regulations of the United States Geological Survey" [Manuscript copy, no date]; other records in file concerning expenditures, 1917-19
[Louis G.] Freeman Case [regarding a promotion], 1919-20
Geology, 1907-23
Humor [facetious letters and comments], 1909-32
Illustration Section, 1909-22
Insurance, 1926
Land Classification and Withdrawals, 1907-29
Land Classification Board, 1917-22
Laws relating to the Geological Survey [typescript and printed copies], 1879-1912 with gaps
Legislation regarding land, 1911
Letters Unanswered, personal dictation, 1904-12
Library [includes an index to the classification scheme of the USGS Library dated 1909], 1909-22
Library Hours, 1911-21
(Geologic) Map Editing, 1910-18, 1937
(Topographic) Map Descriptions, 1916-21
(Topographic) Maps, 1911-30
Memorandums [regarding file maintenance], 1915-19
Mineral Resources, 1908-27, 1937 & 1943
Newspapers Clippings titled "Uncle Sam at Your Service" regarding work of the Geological Survey, 1930
Miscellaneous Official Correspondence, 1905-9
Numerical File [appropriations and statements of work], 1918-20
Oil, 1910-33
Oil (Naval Reserve No. 3, Teapot Dome) [Missing]
Opportunities Report [an outline of a proposed report by van Bloch titled "Statement of Opportunities for Economic Growth in Relation to Departmental Programs"], 1946
(Survey) Orders, 1908-25
Orders, Department, 1912-42
(Survey) Organization, 1908-32
Personnel [2 folders], 1907-43
Personnel Committee, 1915-39
Photographic Laboratory, 1915-19
Photographs [missing]
Pinchot - Ballinger, 1908-10
Policy, 1907-31
Publications, 1909-42
Relations with the Public, 1907-30
Subject Classification Scheme, Central Classified Files, 1912 [several annotated copies]
Subsistence Costs, n.d.
Supplemental Estimate [of appropriation], 1917
Survey, Committee on Revision of the Regulations, 1918 [out of order because of size, filed in box 7]
Telegrams and Correspondence, 1924 [regarding California Cooperation audit]
Texts, 1911-12
Topography, 1907-31
"United States" in title of Geological Survey, 1937
Vouchers and Invoices [regarding California Cooperation audit, with 4 folders concerning accounts]
Water Power, 1909-14
Water Resources, 1915-29
Yosemite Valley [typescript copy of "The Physical History of the Yosemite Valley" by François E. Matthes], 1922
Appendix 3

Office of the Director - Central Classified Files, 1912-53 (entry 51)

* Indicates that part of the file is boxed separately from the main series
** Indicates that the entire file is boxed separately from the main series
Titles in italic are added to provide clarity, no file exists

000 GENERAL (Miscellaneous)

000 General
001 Commendations of work of Survey
  001.01 Recommendations, commendation of outside parties, firms by the Survey
  001.1 Outside individuals, organizations, businesses, and agencies
  001.2 Bouquets
  001.3 Commendations, congratulations, endorsements by the Survey
002 Criticisms of the work of Survey
  002.1 From individuals outside the Survey
  002.2 From within the Survey
003 Complaints, nuisances, suggestions, etc
  003.1 By the Survey
  003.2 Against the Survey
  003.3 Within Survey
004 Requests for interviews with Survey officials
  004.1 Interviews, etc. asked for by Director (empty folder)
  004.2 Interviews arranged by Director with Gov[ernment]. officials, etc. for others (empty folder)
005 Invitation received by Director and other Survey Officials
  005.1 Director asked to suggest officials to serve on committees, etc.
  005.2 Invitations of Director to others (empty folder)
006 Introductions, Guests of Survey, Invitations to Associations., etc. to visit
  006.1 Introductions, etc., by Director or Survey to others
007 Donations made to Survey (all kinds)
008 Miscellaneous and unclassified correspondence; legislation to eliminate illiteracy; Spanish Influenza; Institute for Government Research; and processed issuances titled - "Personnel Notes"
009 Lunch facilities
010 Miscellaneous Requests
  017** For Survey employees to work for private firms
020 Congressional Legislation
  021 Re: bills to Create Board of River Regulations and to regulate water power projects
  023 Mineral Control Act (1918)
  024 Resolutions, Acts of States, Territories, etc. (alphabetically by organization, State, locality or individual)
  025 Re: legislation concerning the budget, programs and policies of the Survey (general files, followed by subject files in alphabetical order, followed by bill files arranged by branch of Congress and thereunder by bill number, without regard to session or date)
030 Publicity
  031 Requests for Press Notices and processed copies of press notices
    031.1 Press bulletins and processed copies of press releases
  033 Publication of articles before release date
    033.1 Complaints and other correspondence [empty folder]

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033.2 Unpublished information to be considered confidential, loan of manuscripts, advance
information, policy as to giving out information
034.01** Radio interviews and series
035.1** Correspondence with George W. Parsons regarding desert watering place work
040 Congresses, Conventions, Expositions, Conferences (general files followed by files arranged alphabetically)
044 Personnel Classification Board and job classifications
044.07 Joint Commission on Reclassification of Salaries
044.071 (files organized job category) i.e. typing, law, engineering
070 Library
071 Books, documents, publications, etc.
071.1 Loaned to others by Survey
073 Re: Geological Depository Libraries
074 Courtesies of the Library extended others by Survey
077 Exchange privileges
078 Translations
080 Scientific Discoveries, claims of
081 Re: Patents by Survey Employees (arranged alphabetically by surname of employee)
081 Patent for Willard D. Johnson Tripod Heads (oversize file in box 533)
082 Re: Survey to sent representatives to witness demonstrations of inventions
083 Use of Landin Float-Letter Method

100 ADMINISTRATIVE
100 Administrative
100.01* Survey History; Organization; Reorganization; Inspection; and Civil Defense
100.01** Surveying and Mapping Consolidation
100.01A** National Academy of Science Plan for Reorganization of Surveys
100.01B** Dockery Commission Recommendation to create U. S. Survey
100.01C** Consolidation of surveying Division of GLO and Topographic Branch of Geological Survey
100.01D** Plan for a Bureau of Surveys and Maps
100.01E** Report of the Joint Committee on Reorganization of the Executive Departments
100.01F** Transfer of Geodetic Work of Coast Survey to Geological Survey
100.01G** Transfer of Topographic Branch of Geological Survey to Coast and Geodetic Survey
100.01H Consolidation of the Departments of Interior and Agriculture
100.01I Transfer of Mineral Leasing
100.01J Transfer of Geophysical Research to Survey
100.1 Administration of Labor Force; functions of Branches
100.2 Administration of Clerical Force
100.3 Administration of Messenger Force
100.5 Administration of the Library
100.6 Administration of Section of Field Equipment
101 Debts of Employees
102 Credential and Identification cards, passes
102.1 Passes
102.2 Permission to take packages from the building
102.3 Credentials and Identification cards
102.4 Survey personnel under arrest
103 Handling and Filing of Correspondence
103.1 Correspondence re: files and filing systems
103.12* Destruction of useless papers
103.14 Certified copies of records, records loaned

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103.2 Handling of Correspondence
  103.21 Methods of procedure, plans for handling, reference of and form of letters
  103.22 Correct grammar, phrases, position titles
  103.23 Letters requiring special attention, response time to letters
  103.24 Translations of letters requested of other Bureaus, Departments, etc (empty folder)
  103.25 Use of clips
  103.26 Transmitting extra carbon copies of letters
  103.28 Endorsements on correspondence
  103.32 Referral of letters within Survey
  103.34 Routing of letters, documentation regarding
  103.35 Referral of letters to other agencies
  103.37 Routing slips
  103.4 Instructions for preparing a letter for the Secretary's signature
  103.6 Delegations of Authority

104 Multigraphing, Mimeographing, Hecktographing, etc.

105 Creation of new positions, assignment of duties and changes in positions
  105.1 Assignment of duties

107 Law and authority governing operations of Geological Survey

108 Extra copies of letters in which the Director is interested
  108.1 Letters to Director during his absence re: office matters (from Survey Chiefs)
  108.2 Letters written by the Director to branch chiefs and other while away or just prior to his leaving
  108.3 Letters from men in the field or on trips
  108.4 Letters to the Director

109 Memoranda signed by Chief, Executive Division

110 Relations with Departments, Independent Offices (not including cooperation)
  110.1 Smithsonian Institution and Museum
    110.11 Survey doing work for Smithsonian
    110.12 Re: International Exchange Service
    110.13 Smithsonian does work for Survey
    110.14 Smithsonian requests information
    110.15 Specimens, etc., deposited with the National Museum for exhibition
  110.2 Commerce, Department of
    110.21 Plans for joint investigations between Standards or other Bureaus and Survey
    110.22 Work done for Department and its bureaus
    110.23 Commerce and bureaus to do work for Survey or offers to assist in work
    110.24 Information furnished by Commerce and its Bureaus, copies of maps and records given
    110.26 Information requested by Commerce and its bureaus or furnished by Survey
    110.27 Survey asked to prepare examination for position in
  110.3 Panama Canal
  110.4 U. S. Boundary Survey (International Boundary Commission, Alaskan Engineering
      Commission, Alaska Railroad)
  110.5 Labor, Department of
    110.51 Tables, statements, information, etc., furnished Labor (including monthly reports of
        contracts for work in buildings, etc.)
    110.53 Work done for Labor
  110.6 District of Columbia
  110.7 Interstate Commerce Commission
    110.71 Information requested of Interstate Commerce Commission
  110.72 Official Bulletin
  110.8 White House (Executive Offices)
  110.9 Correspondence with foreign embassies and Consular Offices

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110.10 Federal Trade Commission
110.11 General, Council of National Defense
  110.111 Miscellaneous (arranged alphabetically by surname of individual)
  110.111A Mineral and mineral products
  110.111C Council of National Defense and War Industries Board
  110.111D National Research Council
  110.111E National Defense Council
  110.111F National Archives and Federal Register
110.112 National Advisory Committee for Aeronautics
110.113 Bureau of Efficiency
  110.113A Efficiency Ratings
  110.113B Duplicate Work
  110.113C Recommendations
  110.114 U. S. Tariff Commission
  110.115 Committee on Public Information
  110.116 Food and Fuel Administration
  110.117 Pan American Union
  110.118 U. S. Shipping Board
  110.119 War Trade Board
  110.120 Capital Issues Commission
  110.121 U. S. Railroad Administration
  110.122 Veterans Bureau
  110.123 Coal Commission
  110.124 Public Buildings and Public Parks
  110.125 Federal Power Commission
  110.126 Architect of the Capital
  110.127 Federal Civil Works Administration
    110.1271 Federal Emergency Relief Administration
  110.128 Tennessee Valley Authority
  110.129 Emergency Conservation Work
  110.131 Public Works Administration, General
  110.132 Public Works Administration, Estimates and Allotments; Emergency Relief Appropriations
    110.134 Public Works Administration, Secretary's Orders
    110.135 Public Works Administration, Reclamation, Boulder Dam Investigation
    110.135 Public Works Administration, Mississippi Valley Committee
    110.135 Public Works Administration, Cooperation with Departments
    110.1351 Public Works Administration, Cooperation with Branches in Survey
  110.136 Public Works Administration, Requests by States (alphabetically by State or Territory)
  110.137 Public Works Administration, Purchase of Supplies, Equipment
    110.138A Public Works Administration, Personnel Procedure, General
    110.138B Public Works Administration, Personnel Procedure, Internal Instructions and Details
    110.138C Public Works Administration, Personnel Procedure (alphabetically by individual surname)
  110.140 Public Works Administration, General
  110.140 Public Works Administration, Miscellaneous Reports
  110.140 Public Works Administration, Monthly Progress Reports
  110.140 Public Works Administration, Monthly Reports on Expenditures
  110.140 Public Works Administration, Form ES 118

230
110.140 Public Works Administration, Monthly Apportionments
110.140 Public Works Administration, Report of Obligations and Impounded Savings, Form B
110.140 Public Works Administration, Report of Allocation from PWA Form 235
110.140 Public Works Administration, PWA Form 236
110.140 Public Works Administration, Reports to Federal Employment Stabilization Board
110.140 Public Works Administration, Miscellaneous Reports
110.140 Public Works Administration, U. S. Employees Compensation Commission
110.141 National Recovery Administration
110.142 Public Works Administration, Code of Fair Competition for the Petroleum Industry
and Petroleum Administrative Board
110.142 Public Works Administration, Petroleum Board, Press Releases
110.142 Public Works Administration, Circulars
110.142 Public Works Administration, Bulletins
110.142 Public Works Administration, Press Releases
110.142 Public Works Administration, Information requested by or furnished
110.142 Public Works Administration, Detail of Employees
111 Interior Department
111.1 Survey asked to consider employees for vacancies who are to be dropped because of reduction in
force, appropriation etc.
111.2 Survey requested to furnish certified copies, copies of files, employees to testify, etc., within
the Department
111.3 Complaints, criticism, suggestions, etc., made by Director or Survey to other Bureaus
111.4 Courtesies extended to Survey field parties, etc.
111.5 Other Bureaus doing work for Survey
111.6 Survey doing work for other bureaus (also see Cooperation) [general files followed by files
arranged alphabetically by name of bureau, office or other organizational unit with
the Department]
111.7 Survey requested to verify figures, statements, etc., for Departments or bureaus, information
furnished (articles furnished for Bureau publications)
111.71 Survey requests information from other Bureaus
111.8 Overlapping of work, decisions, correspondence, etc., as to whether work comes under Survey or
not, joint correspondence on matters relating to more than one bureau
111.82 Survey asks permission to use information obtained by other bureaus in Survey reports,
publications, joint publications
112 Justice, Department of
112.1 Opinions of Attorney-General; Solicitor or Assistant Attorney General for Interior
112.2 Requests for investigations with view toward prosecution; employees to give opinions or to
make examinations; or testify
112.21 Information requested by Justice, or work requested by it or done for it
112.3 Survey requested to furnish certified copies, statements, etc.
112.5 Justice asked to prosecute theft, depredation cases, etc. for Survey
112.6 Justice asked to represent Survey men against whom charges have been made
112.9 Information requested of Justice by Survey (incl. use of Justice Library)
113 Post Office Department
113.1 Requests by Survey to make investigations; fraudulent use of mails
113.2 Requests made by P. O. for investigations of alleged illegal holdings
113.5 P. O. objects to Survey accepting stamps for payment of maps
113.6 Requests that Survey do work for Post Office
113.7 Postmasters to act as agents for sale of maps, authority
114 Treasury Department
114.1 Opinions of Comptroller
114.11 Social Security Tax
114.12 General Accounting Office Circulars and Regulations
114.2 Free entry form customs for goods for use of Survey, exception from interference
114.41 Courtesies to be shown parties of other countries at Survey request
114.6 Requests for detail of employees to make investigations
114.7 Work done for Survey or information furnished it
114.72 Treasury Agents posing as members of field parties to make investigations
114.81 Requests for Information

115 Civil Service Commission
115.01 State Civil Service Commissions
115.1 Examinations
115.2 Promotion Examinations
115.3 Civil Service Rules and Regulations
115.5 Political Activities of employees
115.6 President's Council on Personnel Administration; President's Committee on Civil Service Improvement
115.9 Re: rating examination papers

116 State Department (including Commission for Equitable Distribution of Water of Rio Grande)
116.1 Requests from State for documents, reports, data, etc., commendation of reports received by Survey
116.2 Requested to take appropriate action toward meeting claims against U. S. for services, etc., on Associations, Congresses, etc.
116.3 State requested to represent Survey on official matters abroad through Embassies
116.4 Information requested by State Department
116.5 Work done for State or Commission for Equitable Distribution of Water of Rio Grande; Rio Grande Compact Commission
116.6 State Department requests that all correspondence with representatives of foreign governments be carried on through it and not directly
116.8 Detail of Survey Employees

117 Navy Department
117.1 Correspondence re: oil reserves in California for use of Navy
117.2 Special Boards, Committees, etc, appointed by Navy Department
117.3 Information requested by Survey of Navy Department
117.5 Information requested by Navy Department, loan of maps
117.6 Work done for Navy Department
117.7 Work done by Navy (incl. sending communications through radio stations)
117.8 Protection of mines by Navy

118 War Department (General; Special file regarding War information)
118.2 Work done for War Department
118.21 Survey requests assistance from War Department
118.3 Requests Survey to recommend employees for positions
118.31 Survey requested to consider War Department employees for positions
118.32 Survey offers topographers, etc. to War Dept. for use in connection with Mexican trouble; suggest reserve of corps of professional men, etc.
118.321 Recommendations for Professional Corps
118.323* Deferments; Selective Service Status
118.325 Survey Employees who have entered military service
118.326 Deaths of employees while in military service
118.33 Registration of Survey employees for the draft
118.5 Use of information obtained from War Dept. by Survey; permission asked to take photographs in War Dept. reservations, etc., or do work on same for military reasons
118.6 Information requested by or furnished War Department
118.61 Re: correspondence with Board of Officers on River Floods; conferences, cooperation etc.
118.7 Use of transports for transportation of Survey employees
118.8 Information requested by Survey of War Department
118.9 Request by War Department that publications be withheld temporarily

119 Agriculture Department
119.2 Work done for Department or Bureaus
119.3 Work done for Forest Service (including verification of records)
119.4 Work done by Agriculture for Survey
119.41 County agricultural agents to sell maps
119.5 Information requested of Agriculture or furnished by it; corrections, etc. suggested by Forest Service
119.6 Information requested by Agriculture
119.7 Survey employees to testify as witnesses for agriculture, or detailed to or from Agriculture

120 Temporary Employment
121 Authorizations and correspondence re: authorizations
126 Reports of temporary employment
126.1 Monthly reports
128 Re: wages paid in field parties of various branches, should be same grade of work

130 Administrative and Executive Reports
130.1 Miscellaneous periodical reports of branches, etc.
131 Monthly reports of Chiefs of Branches to Director (alphabetically by Branch)
131.1 Monthly reports of Executive Division
131.14 Field Equipment
131.15 Division of Field Equipment
132 Monthly report of Director to Secretary
133 Annual Report of Chiefs of Branches to Director
133.1 Annual reports of Executive Division
134 Annual Report of Director to Secretary
135 Annual Report of Secretary to President
135.1 Material furnished Secretary for his annual report

137 Other reports and material furnished Secretary
137.1 Resume of useful and important work of Survey
137.2 Plans for future work, including plan of operations of Survey
137.5 Special articles, reports, statements prepared for Secretary or Department (alphabetically by subject)

138 Reports and material furnished the President
139 Reports and material furnished Congress or Congressional Committees
139.1 House of Representatives
139.2 Distribution of Publications
139.3 Survey publications printed and distributed
139.4 Number of employees who travel
139.5 Reports on Congressional Hearings

140* Boards and Committees
141 Departmental Committees
141.001 Coordination Committee files and reports
141.01 Committee to Revise Travel Regulations, transportation matters
141.02 Committee on the Central Tabulating Service
141.03 Board for Disposal of Useless Property
141.04 Joint Committee on Combining Surveying Work
141.08 Water Resources Committee
141.10 Statistical Planning Committee
141.12 Program Committee
141.15 Committee on Publications
141.16 Special Oil Committee
141.17 Committee on Legislation
141.18 Defense Resources Committee

142 Survey Committees
142.01 Personnel
142.02 Budget Committees
  142.03 Condemnation of Property
142.04 Committee on Library
142.08 Advisory Committee to assist Director on matters in connection with new building
142.10 Committee on Geologic Names
142.13 Committee in charge of labeling and classification of lantern slides and photographs
142.14 Committee on Field Equipment
142.16 Millionth Map Committee
142.18 Physiographic Committee
142.20 Committee on Marginal Legends
142.21 Fire Trespass
142.23 Topographic Mapping Policy Committee
142.24 Advisory Committee to U.S. Geological Survey
142.25 General Staff Committee
142.26 Management Services Committee
142.27 Publication Committee
142.28 Denver Survey Committee
142.29 Survey Safety Committee
142.3 Property Board of Review
142.30 Alaska Survey Committee
142.31 Alaska Field Staff
142.32 Foreign Activities Committee
142.33 Geologist Staffing Committee

143 Presidential Committees
143.1 President's Commission on Economy and Efficiency
  143.01 Committee on National Land Problems
  143.10 National Emergency Council
  143.11 National Defense Council
  143.12 Joint Research and Development Board
  143.13 National Minerals Advisory Council
  143.14 Water Resources Policy Committee
143.2 U.S. Geographic Board
  143.21 National Resources Committee
143.3 Board of Surveys and Maps
143.4 Oil Commission
143.5 Federal Oil Conservation Board
143.7 President's Commission for the Conservation of the Public Lands
143.8 The President's Employment Commission
144.1 Joint Committee on Printing

145 Survey requested to designate representatives to attend conferences and meetings on subjects relating to Survey work
180.11 Changes of name
180.12 District System
180.13 Re: transfer to and from other Departments
180.14 Increase in Compensation
180.15 Nominal Salary Employees
180.16 Oaths of Office
180.17 Separations from service and reinstatements
180.18 Reductions on force
180.19 Date of Birth; Change in Legal Residence
180.20 Separations of Temporary Employees
180.21 Physical Examination
   180.212 Fingerprints
180.22 Apportionment
180.23 Affidavits

181 Personnel matters to be handled by Executive Division; by Administrative Geologist
182 Accidents, disability or death of employees
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  2-13 Solicitor's Office, legislation
  2-14 Resource Program Staff
  2-14 Program Support Staff
  2-15 Branch of Library Services (2 files)
  2-16 Office of Survey and Review (6 files)
  2-17 Office of Water Resources Research
4 Project Review Coordination
  4-1 GS comments, general (2 files)
  4-1 Corps of Engineers, A-M (2 files)
  4-1 Corps of Engineers, N-Z (2 files)
  4-1 Corps of Engineers, public notices
  4-1 Corps of Engineers, notices and public hearings and review reports
  4-1 Corps of Engineers, notices and public hearings and review reports, A-M (2 files)
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Internal audits, Publications Division
Internal audits, Topographic Division
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Public Inquiries Office
Divisions, general
Director's Office (2 files)
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Special reports by bureaus
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4 Priorities
6 Requests and requisitions (2 files)

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   1 Buildings and equipment, protection (2 files)
   4 Information and Publications
      4-2 Classification, downgrading, declassification
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   1 Aerial surveys, policy
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      2-5 General, foreign, A-F (5 files)
      2-5 General, foreign, G-M (5 files)
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      2-8 Privately owned vehicles
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   1 Motor pools, general (2 files)
   1 Motor pools, West Virginia
   4 Inspection
   6 License plates
   8 Maintenance and repairs
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   12 Reports
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   1 Hydraulics, investigations (2 files)
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2-1 Droughts

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3-1 Plans

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10-5 Soil and moisture conservation

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4-2 Damage
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1.0 Office of the Staff Geologist, 1946-50
1.1 John C. Reed, 1946-50
2 Geological Survey, Legislative and Policy Items, 1946-51
2.0 Director, Assistant Director, 1946-52
2.1 Correspondence with Offices under the Director's Office, 1946-52
2.2 Geologic Division File, 1946-52
2.20 Alaskan Geology Branch Correspondence, 1945-52
2.201 R. F. Fellows, 1946-50
2.201 Correspondence with Alaska Section employees, 1948-51
2.203 Alaska Terrain-Permafrost Program, 1943-52
2.205 Alaska Volcano Investigation (General Geology Branch), 1946-53
2.206 Alaska Metals, 1946-53
2.207 Alaska Nonmetals Program, 1946-52
2.207 Alaska Cement Program, 1947-51
2.208 Alaskan Coal (Investigations and Industry), 1946-52
2.209 Alaska Trace Elements, 1946-53
2.3 Topographic Division, 1948-51
2.31 Topography - Alaska, 1946-52
2.41 Water Resources Program - Alaska, 1946-52
2.51 Conservation Division in Alaska, 1946-53
--- Preliminary Report on Water-Power Resources of Little Susitna River and Cottonwood Creek, Alaska, by Fred F. Lawrence, March 1949
--- Water Utilization - Ship Creek, near Anchorage, Alaska, by Jesse L. Colbert, May 1951
4.4 President's Scientific Research Board, 1947
5.0 Correspondence with Reginald Price, 1949-50
5.004 Ivan Bloch, 1946-51
5.005 Departmental Committee on Arid and Semi-Arid Regions, 1949-50
5.006 Interdepartmental Petroleum Committee, 1950-51
5.03 Division of Power, 1946-47
5.05 Bureau of Land Management, 1946-52
5.06 Board on Geographic Names, 1950-52
5.1 Bureau of Reclamation, 1946-52
5.2 Bureau of Mines, 1946-52
5.30 Alaska Railroad, 1946-53
5.32 Alaska Road Commission, 1947-52
5.6 National Park Service, 1948-52
6.1 Department of the Army, 1946-52
6.2 Agriculture Department, 1946-52
6.3 Correspondence with the Navy, 1947-52
6.34 Arctic Health Institute Proposal, 1948-50
7.0 Alaska Development Board, 1946-52
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<td>Index Map of the World (1:1,000,000 scale), 1940-43</td>
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163 Retirement, 1947-48
171 Photographic Laboratory, 1944
172 Lantern Slides, 1941-42
183 Organization and Reorganization, 1945, 1947
193 Blueprints, Photostats, 1945, 1948
193 B Blueprint emulsion for use on Loftrite, 1948
222 Space, 1941-45, 1948
222 GS Space (Proposed new Geological Survey Building), 1944-45
232 Editing, 1944, 1947
233 Bouquets and Lemons, 1944-48
242 Transfer of Employees of Division of Map Reproduction, 1948
248 Status of Mapping, 1946
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257 Text, 1945-46
259 Cloths (Map Mounting Sheeting), 1946
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477 Air Raids, 1941-43
479 Accidents, 1947
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500 Manpower - For operating Engraving and Printing Division, 1942, 1945-48
509 Post War Program, 1943
511 Foreman's Duties, 1943
514 Sheet Estimates (Topographic Maps), 1943
518 Wage Board, 1943-46, 1948
521 Staff Meeting (Engraving and Printing Division), 1944
Appendix 7

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11. List of and notes concerning rock specimens collected in the Absaroka Range, Gallatin Range, Mount Everts, and in Yellowstone Park
12. Manuscript material on the Yellowstone Park area
13. Table of contents and outline of proposed chapters, Monograph XXXII, part I
17. Notes on Yellowstone National Park, 1915
18. Manuscripts written by Joseph P. Iddings on Yellowstone National Park with attached notes regarding publication of a portion of the manuscript in Monograph XXXII, Part II; letter from Dr. Whitman Cross, July 1929, regarding the manuscripts
20. Illustration for Monograph XXXII (6 envelopes marked b, c, d, e, f, and g)
21. Manuscripts and Illustrations for Chapters 1 to 15, Monograph XXXII, Part 1 (31 envelopes)
22. Manuscripts on "Excelsior Geyser Basin"; and "Firehole Geyser Basin,"
36. Notes on the algae of Yellowstone National Park by William Albert Satchell
37. Abstracts made by Hague from Satchell's manuscript [see 36]
38. Colored plate reproductions for use as illustrations for Geyser chapters
39. Notes on observations made in Yellowstone National Park, 1885
41. Correspondence and report regarding gas analysis by Francis C. Phillips
42. Notes on origins of park names [Yellowstone]
43. "The Hot Springs of Iceland" by Thorkell Thorkelsson, 1910
44. A treatise on "the question whether the boiling thermal springs carry vadose or juvenile water" (filed with item #43 above)
45. Notes on Huckleberry Mountain and Big Game Ridge
46. Notes on rocks of Skye and other islands
47. Card references to literature regarding volcanic activity
48. Typewritten - "Method of Testing for Oxygen" by Professor Phillips regarding his examination of samples of gas found in Yellowstone National Park
50. Letters and abstracts from papers regarding the radio-activity of thermal waters - Herman Schlundt and Richard B. Moore
51. Tabulation and analysis of rhyolites from Yellowstone National Park
53. Notes on thermal waters
54. T. A Jaggar's letters to Hague and lists of photographs regarding the Absaroka Range, 1893, 1897-99 [2 envelopes]
56. An untitled document in an envelope labeled 'Absaroka for International Congress'
58. Catalogue of rocks collected in the Absaroka Range in 1893 and 1897 seasons
59. Notes and photographs on Firehole Basin
60. Illustrations for Gibbon Basin
61. Original manuscript on Geyser Basin
62. Lists and notes on geysers in Yellowstone National Park
63. Miscellaneous papers relating to hot springs [items marked a, b, c, d, g, and h]
64. Notes on geysers and hot springs
65. Notes on Mammoth Hot Springs; Mount Everts Section; and travertine deposits
66. Notes on Mammoth Hot Springs
67. Manuscript on "Geology of Mammoth Hot Springs and Adjacent Country" with a list of illustrations for Mammoth Hot Springs Chapter
68. Notes on hot springs, most on Norris Basin
69. List of hot springs in Yellowstone National Park; and notes on Norris Geyser Basin
70. Notes on Norris Basin and hot springs
71. Manuscript titled "Norris Geyser Basin and Gibbon River Thermal Areas"; notes on geysers and hot springs; and photographs of Recess Spring, Thorium Spring, Realgar Spring, Mud Springs, and Roaring Mountain [no photographs were found]
72. Miscellaneous notes on geysers and hot springs
73. Outline of chapters on geysers and hot springs
74. Photographs of Hidden Spring, central vent of Monarch Geyser, close up view of Hidden (or Gable) Spring, Black Growler, Constant Geyser, and The Fissure (or New Crater).
75. Miscellaneous note on Norris Basin
76. List of papers of W. H. Weed sent from Norwalk, Connecticut, February 1914; list of geysers in Lower Geyser Basin and Norris Basin; a list M. P. Skinner's Yellowstone National Park photographs; and miscellaneous notes
77. Notes on Yellowstone National Park; notes on Paleozoic and Mesozoic sediments; and chart of comparative sections of the Gallatin Range
79. Notes, lists of geysers, and other data on Upper Geyser Basin and Excelsior Geyser Basin
80. Miscellaneous handwritten notes in an envelope labeled "Outlet of Yellowstone Lake"
81. Notes on Yellowstone Lake and adjacent area
82. Manuscript chapter on "Composition and Deposits of the Thermal Waters of the Park Plateau"
83. Miscellaneous notes on hot springs
84. Notes on Norris Basin
85. Envelope labeled 'Weed Scraps' including a note on Juniper Creek Hot Spring, and notes titled "Formation of Siliceous Sinter"
86. Fragmentary notes by W. H. Weed on geyser basins
87. Notes on the Lower Geyser Basin, 1902
88. Photographs of Hymen Terrace, Fissure Spring, Blue Spring, Hot River, Hymen Spring-Liberty Cap-The Thumb, Elephants Back, Narrow Gauge Fissure, Pulpit Terrace, Mammoth Hot Springs, Cupids Cave, Minerva Springs, and Silver Gate
89. Notes on thermal waters and springs
90. Miscellaneous notes
91. Notes on the height of Yellowstone Falls by William Hallock
92. W. H. Weed's "Yellowstone Park Notes," 1891
93. Manuscript on "Physical Features of the Yellowstone National Park"
94. Manuscript on the lakes in Yellowstone National Park
95. Original manuscript on "Mammoth Hot Springs"
96. Notes on 'thermal waters and sediments'
97. Notes on "Lake Shore Hot Springs"
98. Notes on quadrant quartzite with notation - "extract from D. D. Condit's paper"
99. Manuscripts on "Early Acid Breccias"
100. Manuscripts: "Early Acid Breccias"; "Region of Crandall Creek"; and "Crandall Creek Area"
Typescript copy of an article in the *Evening Post*, Vol. LVII, 1858, titled "Description of the Great Shoshone Falls, on the Snake River, or Lewis's Fork of the Columbia," by George Gibbs

102. "Notes on the principles underlying rock classification" by George F. Becker

103. Notes on basalts

104. Notes on igneous rocks of the Great Basin

106. Geological notes on Cuba

107. Translated copy of "Laws of Deformation of Strata"

108. Handwritten notes in an envelope labeled "Address for Thermal Springs"

109. Notes on Mount Everts

110. A clipping titled "Yellowstone National Park" by F. V. Hayden from Johnson's Universal Cyclopedia, Volume VIII

113. Partial manuscript titled "Uplift of the Range"

114. Memorandum on Clark's Fork Valley

115. "Notes on the Geology North of Crandall Quadrangle"

116. Miscellaneous notes and data
Appendix 8

Geologic Division - General Correspondence Files, 1890-1922 (entry 159)

1.1 Committee on Revision of Survey Regulations, 1902-11
1.2 Committee on Advertising and Distribution of Survey Publications, 1902-7
1.3 International Committee on Geologic Nomenclature (of common interest to Geological Survey and Geological Survey of Canada), 1903-12
1.4 Library Committee, 1903-15
1.10 Examination of records, 1901-15
1.11 Committees, 1903-15
2 Geologic Atlas (geologic classification and nomenclature), 1902-3
3 Boutwell, John M., 1902-11
4.1 Accounts, 1912-15
4.15 Fire losses, 1913
4.30 Per diem, 1914
4.50 Service Bulletin, 1913
4.60 Supplies, 1913-14
4.65 Shipments, 1913
5.3 Wilson, Herbert M. (Technologic Branch), 1903-10
5.36 Vaughan, T. Wayland (Coastal Plain Investigations), 1909-15
6 Bien, Morris, 1902-7
8 Ulrich, Edward O., 1902-15
9.3 Topographic, 1903-14
9.1 Topographic work requested by the Geologic Branch, 1909-14 (6 files)
9.2 Requests for Topographic Survey annual budget, 1915
9.2 Requests for special surveys, 1914-15
9.10 Quadrangle names, 1914-15
9.21 Special engraving, 1914
9.70 Special topographic maps, 1915
11 Petrography, 1902-9
13 Palache, Charles, 1902-11
14 Mendenhall, Walter C., 1902-8
16 Gregory, Herbert E., 1903-15
17 Caracristi, C. F. Z., 1902-3
19 Newsom, John F., 1902-6
21 Kummel, Henry B., 1900-1915
22 Faunal charts, 1902-3
25 Howe, Ernest, 1906
26 Colorado, 1902-15
27 Bibbins, Author, 1902-9
28 Schuchert, Charles, 1902-14
30 Woodson, J. A. - Pike County, Arkansas, oil and asphalt deposits, 1902
32 Cleland, Herdman F., 1914
34 Burchard, Ernest F., 1902-15
35 Clapp, Frederick G., 1904-13
38 Reid, Harry Fielding, 1902-14 (3 files)
39 Bailey, Willis, 1902
40 Tarr, Ralph S., 1901-12
Kübel, Stephen J., 1903-12
Bagg, Dr. Rufus M., 1902-10
Phillips, William B., 1902-16
Texas-Louisiana oil fields, 1903
Coal land in Indian Territory, 1902-10 (2 files)
Kentucky Geological Survey, 1912-15
Cooperative Agreements - Kentucky, 1914-15
Warner, A. J., 1903-15
Press Bulletins, 1913-15
Cuba, 1905-7
Merrill, Frederick J. H., 1903
Contributions to Economic Geology Bulletin, 1902-15 (2 files)
Committee on Classification and Nomenclature, 1902
Geologic Maps of North America, 1906-13
Scheme for rating credit on maps, 1907
Proposed geologic maps of U. S., 1907
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Irving, John D., 1903-15
Cooperation with the State of California, 1902
Manuscript - "The Pleistocene of Michigan and Indiana" and other manuscripts, 1903-15
Davis, William M., 1907-13
Weeks, Fred B., 1905-9
Michigan - Cooperation, 1903-14
Passaic Folio, 1903-4
McCallie, Samuel W., 1908-15
Lane, Alfred C., 1903-14
Landes, Henry, 1904-14
Van Hise, Charles R., 1903
"Louisiana Purchase" (St. Louis Exposition), 1903
Carnegie Institution, 1903-4
Arnold, Ralph, 1903-14
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Bureau of Mines, 1903-15
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Coal analysis - Bureau of Mines, 1915
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Shale - Bureau of Mines, 1914-15
Kindale, Edward M., 1904-14
Rizer, Henry C., 1903-8
Rickard, Thomas A., 1904-11
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Beede, Joshua W., 1902, 1915
Alden, William C., 1903-15
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Pennsylvania Topographic and Geologic Survey Commission, 1901-15
Pew, Joseph N. (State Edition of Folios, Pennsylvania), 1903-6
Cooperative Agreements - Pennsylvania, 1905-8
Black Hills, South Dakota, 1903
Rock mineral specimens, National Museum accessions, 1903-16
McChesney, John D., 1906-7
Ithaca Folio, 1903-5
Alabama Geological Survey (Eugene A. Smith), 1903-15
Cooperative Agreements - Alabama, 1910
Geological Society of America, 1903, 1907, 1910
Yeates, William S., 1908
Martin, George C., 1903-11
Dall, William H., 1904-15
Stone, Ralph W., 1904-15
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| 194 | Requests for geological work, 1908-10 |
| 195 | California oil investigation, 1909-15 |
| 196 | Breger, Carpel L., 1909-14 |
| 197 | Goldman, Marcus I., 1909-14 |
| 198 | Munn, Malcolm J., 1908-15 |
| 199 | Butler, Burt S., 1908-14 |
| 200.1 | Bureau of Indian Affairs, General, 1911-14 |
| 200.5 | Bureau of Indian Affairs, Accounts, 1908-15 |
| 200.10 | Colorado River Indian Reservation, 1914 |
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| 200.30 | Fort Hall Indian Reservation, 1911-14 |
| 200.35 | Bois Fort Indian Reservation, Minnesota, 1911 |
| 200.40 | Blackfeet Indian Reservation, 1911-12 |
| 200.43 | Flathead Indian Reservation, 1911-15 |
| 200.44 | Fort Peck Indian Reservation, 1908-11 |
| 200.50 | Zuni Indian Reservation, 1912-14 |
| 200.55 | Eastern Cherokee Reservation, 1909 |
| 200.60 | Fort Berthold Indian Reservation, 1910-12 |
| 200.61 | Standing Rock and Cheyenne River Indian Reservations, 1908-9 |
| 200.62 | Sully’s Hill National Park, 1913-14 |
| 200.66 | Five Civilized Tribes (manganese deposits in McCurtin County), 1912 |
| 200.65 | Oklahoma - General, 1911-15 |
| 200.67 | Pawnee, Kaw, Otoe, Ponca, and Tonkawa Indian Reservation, 1912 |
| 200.68 | Albion, Pushmataha County (examination of reported gold deposits), 1912-13 |
| 200.70 | Choctaw Nation, 1912-13 |
| 200.71 | Osage Nation, 1915 |
| 200.75 | Klamath Indian Reservation, 1912-13 |
| 200.76 | Umatilla Indian Reservation, 1911-12 |
| 200.77 | Warm Springs, 1911-12 |
| 200.85 | Colville Indian Reservation, 1912-14 |
| 200.90 | Quenault Indian Reservation, 1913 |
| 200.94 | Yakima Indian Reservation, 1912-13 |
| 200.99 | Shoshone or Wind River Indian Reservation, 1909-13 |
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| 202 | Alaska-Yukon Pacific Exposition, 1909 |
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| 204 | Bancroft, Howland, 1911-14 |
| 217 | Sloan, Earle - South Carolina State Geologist, 1910-15 |
| 219 | Noble, Levi F., 1910-15 |
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| 221 | Tolman, Cyrus F., 1909-15 |
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| 226 | Berry, Edward W., 1910-15 |
| 228 | Hill, James M., 1910,1913 |
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| 230 | Prindle, Louis M., 1912-14 |
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232.10 Coast and Geodetic Survey, 1911-12
232.30 Bureau of Foreign and Domestic Commerce, 1914
233 Secretary of the Interior, 1910-15
233.2 Week's Law, 1911-14
233.13 Investigation of Ferry Lake, Louisiana, 1913-15
234 Department of Justice, 1910-16
234.17 Investigation of California oil fields, 1914-15
235 Navy Department, 1913-15
236 Post Office Department, 1911-15
237 State Department, 1912-14
238 Treasury Department, 1912-14
239 War Department, 1911-15
240 Agriculture Department, 1913-14
240.10 Bureau of Soils, 1911-16
240.15 Bureau of Plant Industry, 1914-15
240.40 Office Public Roads, 1914
240.50 Weather Bureau, 1913-15
241 Potash Investigations, 1906-14
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241.10 Potash - work, 1912-13
241.11 Potash - locations, 1913-14
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241.12 Potash - progress, 1912-14
241.13 Potash - examination of areas by request of the public, 1912
241.15 Potash - new discoveries, 1915
241.20 Potash - drilling, 1912-14
241.21 Potash - bids for drilling, 1911-15
241.22 Potash - Smoke Creek Desert drilling, 1915
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241.32 Potash - Samples - Nevada, 1912
241.40 Potash - Information to the public relative to work, 1912-15
241.45 Potash - production, 1915
241.51 Potash - drilling outfit, 1911-15
241.60 Potash - Sample and specimens, 1912-15
241.70 Potash - Statements of Accounts, 1915
241.80 Potash - work, assistants, 1914-15
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242.1 Montana, 1913-14
242.40 Maine, 1914
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242.45 Arizona, 1915
242.50  Foreign, 1913-15
242.53  California, 1911-14
242.53  New York, 1915
242.53  Washington, 1913-14
242.55  Louisiana, 1911
242.55  Maryland, 1911-15
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242.55  Oregon, 1913-14
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242.70  Minnesota, 1914-15
242.78  Mexico, 1909-12
242.78  New Mexico, 1915
242.78  Arizona, 1913
242.80  South Carolina, 1913
242.80  Illinois, 1911
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242.90  Nebraska, 1911-15
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242.145  Pennsylvania, 1912-15
242.145  West Virginia, 1912-13
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250  New building, 1910-15
251  Udden, J. A., 1913-15
252  Hance, James H., 1912-15
254  Mitchell, Guy E., 1911, 1914
255  Deussen, Alexander, 1911-14
256  Parks, Emerson M., 1911-15
258  Hewett, Donnel F., 1912-14
259  Miser, Hugh D., 1911-15
260  Hancock, Eugene T., 1914
261  Chief Geologist, 1911-13
262  Corey, H. V., 1910, 1912
263  Hill, H. L., 1912
264  Paleontologic work, 1911-12
265  Minnesota, William H. Emmons, 1912-15
265.10  Cooperative Agreements - Minnesota, 1911-15
266  Miller, Benjamin L., 1912-14
267  Costa Rica-Panama Boundary Arbitration, 1911-13
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269  Knoph, Adolph, 1912-14
270 Puck, Robert W., 1912-15
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312 Bonine, Chesleigh A., 1914-16
314 Clark, Frank R., 1915
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316 Heald, Kenneth C., 1914-15
317 Halberstadt, Baird, 1915
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320 Jenney, Walter P., 1915-16
322 Mills, R. V. A., 1915
323 Hopkins, Oliver B., 1915
324 Robinson, Heath M., 1915-16
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401 Second Pan-American Scientific Congress, 1909, 1914-15
405 National Academy of Sciences, 1914-15, 1918
409.1 Bureau of Mines - Garnet Corundum Property, 1918
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492 Walcott, Charles D., 1900-1915
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494.10 Cooperative Agreements - Missouri, 1910, 1913
495 Spurr, Josiah E., 1901-13
497 Clements, J. Morgan, 1902-6
501 Smith, James P., 1902-14
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504 Emerson, Benjamin K., 1902-14
505 Tight, William G., 1902-9
506 Daly, Reginald A., 1902-3, 1910
507 Darton, Nelson H., 1902-15
509 Diller, Joseph S., 1902-14
512 Eldridge, George H., 1902-6
514 Stanton, Timothy W., 1902-15
515 Prosser, Charles S., 1902-4
516 Newell, F. W., 1903-14
517 Well logs, 1909-11
519 Fossils, 1902-4
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522 Cross, Whitman, 1903-14
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537 Collier, Arthur J., 1902-15
538 Dale, T. Nelson, 1900-1906 (2 files)
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807 Smith, W. S. Tangier, 1902-13
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815 Day, David T., 1902-15
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821 Russell, Israel C., 1901-8
823 Maine, 1902-15
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825 Lindgren, Waldemar, 1902-15
832 Branner, John C., 1890, 1901-12
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838 Stose, George W., 1901-15
839 Storrs, Lucius S., 1902-3
841 Ridgway, John L., 1902-14
846 Rate of pay for camp hands, 1902-3
847 Ashley, George H., 1902-15 (2 files)
854 Fenneman, Nevin M., 1902-14
855.10 Cooperative Agreements - Oklahoma, 1912-13
856 New York, 1902-15
860 Furniture, 1902 (2 files)
862 Schrader, Frank C., 1902-15
863 Fohs, F. Julius, 1902
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864.10 Nitrate investigation, California, 1917-19
864.15 Investigation of clay deposits - Heinrich Ries, 1918-22
865 Dale, T. Nelson, 1916-22
866 Van Hise, Charles, R., 1902-13
869 Cooperative work in Kentucky, 1902-12
905 Chamberlain, Thomas C., 1897-1913
907 Cushing, Henry P., 1902, 1908
909 Memoranda, 1901-2, 1912-15
909.1 Memoranda - Geologic Branch, 1914-15
910 Hill, Robert T., 1902-15 (2 files)
912 Vaughan, T. Wayland, 1901-15
916 Hague, Arnold, 1902-15
933 Richardson, George B., 1902-15 (2 files)
951 Rowe, Richard B., 1900-1906
969 North Dakota Geological Survey and North Dakota Agricultural College, 1902-6, 1913-16
970 Kansas Geological Survey - Erasmus Haworth, 1902-15
973 Promotion recommendations, 1902-6
986 Willis, Bailey, 1902-14
990 Washington County, Utah - Oil Fields, 1908
991 Mineral lands and mineral land laws, 1905-7 (2 files)
991.619 Saline - Utah, 1907
991.778 Report on petroleum in Columbia, 1909

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004  General and Miscellaneous (regarding committees, patents, property, monthly and annual reports, directives, and memorandums)
004  Organization, 1945-52
004  Fiftieth Anniversary of Geological Survey
0011 Assignment of rooms, windows, floors, etc.
0012 Space requirements
020  Survey representatives on committees, 1918-52
020.4 Committee on Geologic Time Scale
020.5 Coal Classification Committee
025  Committee on Stratigraphic Nomenclature
025  Recommendation of Committee on Geologic Names for adaptation of term Paleocene as a series and epoch term
026  Patents
060  Property - General
061  Field property - General
061  Committee on Geologic Names
061.5 Field property - Loan of
061.51 Field equipment - requests for repairs
061.6 Automobiles
061.61 Automobiles - Authority to purchase
061.62 Cost of upkeep
061.620 Statements - Automobile expenses
061.63 Authority to use personal car
061.64 Automobile accidents (2 files)
061.66 Vessel SS Eider (2 files)
062  Office Property
062.6 Typewriters and Dictaphones (2 files)
065  Telephones
066  Shipments - General
066.4 Shipment - Household Goods
067.1 Leases
067.2 Automobile storage (6 files)
--- Requests for personnel and specimen facilities; proposals to build new space; reports on storage space (3 files)
070  Annual report of Geologic Branch for fiscal year ended June 30, 1932
071  Annual reports of Geologic Branch, fiscal years 1933-35, 1937-40, 1943-45
072  Monthly reports, 1916-29
072.8 Monthly reports, Mineral Resources, 1916-25
075  Headquarters of Employees
083  Orders and Memorandums, 1937-40
085  Federal Employee Organizations
100.01 Memorandums to Boteler
100.01 Establishment of Positions (4 files)
100.1 Vacancies (3 files)
100.2 Employment Bulletins

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100.3 Personnel estimates, changes
103 Requests for employment (3 files)
103.1 Requests for employment (3 files)
104 Offers of employment (2 files)
105 Per Diem and Monthly Appointees
105.1 Offer of Temporary work - per diem and monthly
106 Preparation of specimens
108 Clerical staff - Appointments
110 Civil Service Examinations - General (2 files)
111 List of Eligibles
111.1 Civil Service Appointees, 1916-30 (7 files)
111.3 Information regarding examinations
120 Field Assistants - Inquiries, recommendations and replies regarding employment, 1917-38
121 Field Assistants - General (3 files)
123 Field Assistants - Termination of service
126 Field Assistants - Offers of work
131 Transfers - Circulars
131.1 Transfers in Survey
131.2 Transfers from Survey
131.3 Transfers to the Survey
131.4 Special Assignment of Geologists
131.5 Vouchers regarding special assignment geologists
132 Resignations (2 files)
132.2 Displacements
134 Commendations and criticisms of personnel
135 Promotions
135.1 Promotions - concerning recommendations
135.2 Temporary reallocations
136 Retirement
136.1 Refund of retirement deductions
139 Change of name
141.2 Furlough and leave without pay (3 files)
145 Time of Geologists
160 Performance ratings
180 Military service
181 Military exemptions (2 files)
183 Military service - requests for release
192 Request for recommendations of Geologist
200 Finance and Accounts (2 files)
200.1 Finance and Accounts - Branch files
210 Appropriations (Budget, Fiscal Year) (13 files)
210.1 Justifications
211 Assessments of geologic budget for other Branches
212 Financial statements (2 files)
215.54.2 Allotments by Geologic Division
216 Project numbers
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221 Balance of allotments
230 Allotments and limitations, 1926-48
240 Per diem payments and claims, 1917-49
250 Purchases (3 files)
250.1 Requests for quotations
250.2 Defense order ratings
250.2 Memorandum to Purchasing Officer
251.01 Request for pictures taken from the air (2 files)
252 Authority to purchase; preference ratings; priorities
254 Contracts (2 files)
254.1 Oil and gas contracts and purchases
260 Employees Compensation Act (5 files)
270 Accounts - General, 1916-42, 1949-52 (2 files)
270.1 Adjustment of Accounts (2 files)
270.2 Loans to Field Men
270.3 Retirement Assessments
270.4 Accounts - Disallowances
270.5 Oil & Gas Tax exemption
270.6 Expenses incurred outside of the United States
270.06 Application and authorization for allotments - men employed outside of United States
270.9 Vouchers (3 files)
270.10 Public vouchers
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271.4 Overtime - Alaska
274 Transportation requests (3 files)
274.1 Travel orders (2 files)
274.2 Travel outside of the United States; travel by aircraft
279 Reimbursement by other Branches
310.1 Criticism of Survey publications, 1914-29 (2 files)
316 Criticism of Geologic Folios, 1912-23
321 Manuscripts submitted for Survey publications, 1910-44 (boxes 57-58)
321 Requests for Survey publications by outside organizations, 1949
329 Manuscripts submitted by outsiders for Survey publication, 1916-21
330 Publication of maps
333 Prices of Geological Survey map publications
335 Maps - Special Geologic and Economic
335.1 Oil and Gas Investigation Series, 1916-49
340 Press bulletins, 1916-49
350 Service Book, 1925
401 White House - Executive Orders, 1919-49 (2 files)
401.1 Coordinator of Inter-American affairs
402 State Department - General, 1919-44, 1948-49 (3 files)
402.01 Cooperation with Economic Cooperation Administrations in other countries
402.3 Correspondence with foreign embassies regarding Geological Survey overseas personnel and projects, 1916-40
402.5 Passport and Visa requests, 1919-49
403 Treasury Department - General
403.01 Treasury Department - Division of Disbursement (2 files)
403.2 Internal Revenue
403.3 Bureau of the Budget, 1922-49 (2 files)
403.31 Bureau of the Budget - manpower ceiling (boxes 63-64)
403.4 U.S. Public Health Service, 1917-49
403.5 Commission of Customs
403.6 Treasury - Bureau of the Mint
403.8 Comptroller of the United States - Decisions (5 files)
403.9 Procurement Division (3 files)
404 War Department - General (4 files)
404.3 Engineers Office, 1916-49 (3 files)
404.3 Reports on dam sites (8 files)
404.3 Requests from Geological Survey to Engineer Office for materials
404.5 U. S. Air Force, 1918-49
404.10 Army and Navy Munitions Board
405 Department of Justice (2 files)
405.1 Department of Justice - Detail of geologists
405.3 Regarding Geological Survey buying materials from Federal Prison Industries
406 Post Office Department - General
406.1 Post Office - Detail of Geologists
406.1 Post Office - Correspondence and Report on Mineral Deposits of the Vermiculite and Asbestos Company, 1927
406.1 Post Office - Correspondence and report on mining claims of the Gabola Gold Mining Company, 1932
406.9 Mails (2 files)
406.91 Mails - Losses
407 Navy Department - General (4 files)
407 Navy Department - Lake Denmark Explosion, Dover, New Jersey, 1926 (oversize file, see box 180)
407.1 Navy Department - New Naval Hospital
407.1 Navy Fuel Board
407.4 Bureau of Yards and Docks
407.5 Hydrographic Office
407.6 West Indian Surveys, 1917-25
407.6 Oil Resources of Haiti and geological report - Wendell P. Woodring, 1917-25
-- Geology of Naval ordnance test site, Sevier Bridge Reservoir, San Pete and Juab Counties, Utah, 1953
--- Navy Oil Unit
408 Interior Department - General, 1916-52 (boxes 72-73)
408.001 Water Resources Committee (2 files)
408.002 Coordination Committee, 1946-49 (2 files)
408.002 Petroleum Administration for Defense, 1951
408.003 Personnel Division
408.005 National Minerals Advisory Council
408.006 Interior Management Improvement Program
408.01 Defense Minerals Committee (2 files)
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408.03 Fish and Wildlife Service
408.04 Division of Territories and Island Possessions (2 files)
408.05 Suggestions Committee (3 files)
408.051 Honors Awards
408.06 Office of the Solicitor
408.1 General Land Office, 1916-46
408.11 GLO - Requests for township plats and books (2 files)
408.12 General Land Office - Cooperation, 1916-49 (2 files)
408.2 Patent Office
408.3 Pension Office
408.3 Office of Information

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408.31 Miscellaneous Service Division
408.32 Publications Section
408.4 Office of Indian Affairs - General and reports by Survey, dam sites and mining districts
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408.5 Division of Investigations (2 files)
408.51 Oil and Gas Division
408.6 Bureau of Reclamation - General and reports (boxes 78-82)
408.7 National Park Service - General and reports (3 files)
408.7 Hawaiian Volcano Observatory
408.71 National Park Service - reports by Geological Survey, from 1915 (boxes 82-83)
   --- Survey of Yellowstone Lake
408.9 Bonneville Power Administration
409 Bureau of Mines - General (boxes 83 to 86)
409.1 Bureau of Mines - Cooperation, from 1913 (boxes 86-87)
409.11 Cooperation - Argon Investigations, 1918
409.12 Cooperation - Potash Investigations
409.13 Cooperation - Oil shale investigations
409.2 Analysis of Coal Samples
409.3 Analysis of Oil and Gas
409.3 Defense Production
409.4 Analysis of Oil Shale
409.5 Advance information from the Survey
409.7 Duplication of work by Survey and Bureau of Mines
410 Department of Agriculture - General
410.1 U.S. Weather Bureau
410.10 Soil Conservation Service
410.2 Cooperation with Bureau of Plant Industry and Animal Husbandry
410.3 Cooperation with Bureau of Plant Industry, 1916-49
410.4 Forest Service, 1911-49 (2 files)
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411.1 Bureau of the Census
411.2 Bureau of Foreign and Domestic Commerce
411.3 Bureau of Standards (2 files)
411.31 Cooperation on Analysis of Samples
411.6 Coast and Geodetic Survey (2 files)
411.7 Bureau of Mines - General
411.71 Bureau of Mines - Cooperation (3 files)
411.71 Potash Investigations
411.72 Coal and Peat Analysis
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411.74 Oil Shale Analysis
411.8 U.S. Patent Office
413 U.S. National Museum
413.2 Transfers from Geological Survey to National Museum
413.9 General accession material for National Museum (boxes 94-95)
415 Panama Canal (includes photographs)
416.11 Petroleum Administration Board
416.112 Petroleum Administration for War
416.12 National Archives - Disposal, transfer and loans of records
416.13 Reconstruction Finance Corporation

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416.131 Defense Plant Corporation (2 files)
416.132 Metals Reserves Company (2 files)
416.133 Colonial Mica Corporation
416.2 Interstate Commerce Commission - Railroads
416.3 Federal Trade Commission
416.5 United States Board on Geographic Names
416.7 Government Printing Office
416.8 Public Buildings Administration
417.1 Commission of Fine Arts
417.2 United States Tariff Commission
417.3 United States Coal Commission
417.4 Federal Oil Conservation Board
417.5 United States Civil Service Commission
417.8 War Production Board (7 files)
417.9 Joint Research and Development Board
417.91 Plan for Aleutian Investigations
422 Fuel Administration
423 War Industries Board
425 War Trade Board
426 Director General of Railroads
427 Room Registration Office
428 Joint Information Board, Minerals and Derivatives
429 Alien Property Custodian
430 Capital Issues Committee
436 Public Works
438 Tennessee Valley Authority (2 files)
439 National Resources Board
440.2 Letters to Congressmen regarding work in the States (3 files)
441 Missouri Valley Authority
442 Missouri Basin Interagency Commission (2 files)
442.1 Missouri Basin Administration Reports
450 Council of National Defense
450.1 Transportation Committee
450.2 Committee on Fertilizers
451 Council of National Defense - Cooperation
451.1 Cooperation with Council of National Defense
452 Council of National Defense - State Organizations (2 files)
453 Council of National Defense - Committee on Fuels
460 War Minerals Committee
460.1 Subcommittee on Sulphur, pyrite, and manganese
461 War Minerals Committee - Membership
470.1 Federal Housing Administration
472 Foreign Economic Administration (3 files)
477 Office of Strategic Services
479 War Assets Administration
-- Committee for Cooperative Investigations Abroad
-- Governmental Advisory Committee on Oceanography
-- Lake Erie Project
-- President's Scientific Research Board
-- Pacific Southwest Field Committee
500 Cooperation with and a list of State Geologists (2 files)
501 Cooperation with Survey

510 Alabama - General, 1916-49
510.1 Cooperative Agreements - Alabama
510.2 Cooperative Projects - Alabama
510.6 Accounts and Disbursements for Cooperative Work - Alabama

511 Cooperative Projects - Arizona
511.2 Cooperation - Arizona, Bureau of Mines

512 Cooperation - Arkansas

513 California - General
513.2 Cooperation - California (3 files)
513.6 Accounts and Disbursements for Cooperative Work - California

514 Colorado - General
514.2 Colorado - Cooperation (2 files)
514.6 Accounts and Disbursements for Cooperative Work - Colorado

515 Connecticut - General
515.2 Cooperation - Connecticut

516 Florida - General
516.2 Correspondence re: report on the Mollusks of the Choctawhatchee Formation
516.2 Revision of Report on Geology and Water Resources of Florida
516.2 State Map of Florida
516.2 Cooperation - Florida
516.6 Accounts and Disbursements on Account Cooperation - Florida
516.6 Agreements - Florida
516.9 State Reports
517 Georgia - General, 1913-49
517.1 Cooperative Agreements - Georgia
517.2 Cooperation - Georgia, 1915-45
517.2 Physical Features of Georgia - proposed report
517.6 Accounts and Disbursements on Account Cooperation - Georgia
517.9 State Reports - Georgia
519.2 Cooperation - Idaho
519.2 Oil Investigations - Idaho
519.2 Umpleby's work on ore deposits - Idaho
519.9 State Reports - Idaho
519.9 Seven Devils Region
520 Illinois - General
520.1 Agreements re: cooperative work - Illinois
520.2 Cooperation - Illinois (includes separate files on various projects)
520.6 Accounts and Disbursements on Account, Cooperation - Illinois
520.9 State Reports - Illinois
521 Indiana - General
521.2 Cooperation - Indiana
521.6 Accounts and Disbursements on Account Cooperation - Indiana
521.9 State Publications - Indiana
522 Iowa - General
522.1 Cooperative Agreements - Iowa
522.9 State Reports - Iowa

523 Kansas - General
523.1 Cooperative Agreements - Kansas
523.2 Cooperation - Kansas (includes separate files for various projects)
523.6 Accounts and Disbursements on Account Cooperation - Kansas
523.9 State Reports - Kansas
524 Kentucky - General
524.1 Cooperative Agreements - Mississippian Investigations
524.2 Cooperation - Kansas (includes separate files on various projects)
524.6 Accounts and Disbursements on Account Cooperation - Kentucky
524.9 State Reports - Kentucky
525.2 Cooperation - Louisiana
525.9 State Reports - Louisiana
526 Maryland - General
526.1 Cooperative Agreements - Maryland
526.2 Cooperation - Maryland
526.6 Accounts and Disbursements - Maryland
527 Michigan - General (2 files)
527.1 Cooperative Agreements - Michigan
527.2 Cooperation - Michigan (2 files)
527.6 Accounts and Disbursements - Michigan
528 Minnesota - General
528.1 Cooperative Agreements
528.2 Cooperation - Minnesota
528.9 State Reports - Minnesota
529 Missouri - General (2 files)
530.2 Cooperation - Missouri
530.6 Accounts and Disbursements - Missouri
530.9 State Reports - Missouri
531 Montana - General
531.2 Cooperation - Montana
531.6 Accounts - Montana
532 Nebraska - General
532.9 State Report - Nebraska
533 Nevada - General
533.2 Cooperation - Nevada (2 files)
534 New Jersey - General
534.1 Cooperative Agreements - New Jersey
534.2 Cooperation - New Jersey
534.6 Accounts and Disbursements - New Jersey
535 New Mexico - General (2 files)
535.1 Cooperative Agreements - New Mexico
535.2 Cooperation - New Mexico (3 files)
535.6 Accounts and Disbursements - New Mexico
535.9 State Reports - New Mexico
536 New York - General
536.2 Cooperation - New York
537 North Carolina - General
537.1 Cooperative Agreements - North Carolina
537.2 Cooperation - North Carolina (3 files)
537.6 Accounts and Disbursements - North Carolina
538 North Dakota - General
538.2 Cooperation - North Dakota
539 Ohio - General
539 Cooperation - Ohio
556 Maine - General
556.1 Cooperative Agreements - Maine
556.2 Cooperation - Maine
557 Massachusetts - General
557.1 Cooperative Agreements - Massachusetts
557.2 Cooperation - Massachusetts (3 files)
557.6 Accounts and Disbursements - Massachusetts
557.9 State Reports - Massachusetts
601 Acknowledgments of Courtesies
601.1 Memorials
601.2 Addresses
602 Commendations
603 Complaints and Criticisms
604 Introductions and interviews
605 Invitations and announcements
606 Loan of Survey Materials
606.1 Loans of negatives
606.2 Loan of advance publications (2 files)
606.3 Loan of specimens
606.4 Loan and gifts from Survey for Exhibition Purposes
606.5 Loans and gifts; Maps and publications (2 files)
606.51 Requests for reprints of Survey publications
607 Permission to use Survey material (2 files)
607.2 Papers for outside publication
608.2 Recommendations, schools and courses
608.21 Lectures by Survey members
608.3 Recommendations, textbooks, etc.
609 Lawsuits, testimony by geologists (2 files)
610 Examinations - general (2 files)
611 Requests for geologic surveys - mineral lands (2 files)
613 Requests for geologic examination - potash
618 Requests for geologic examinations - cooperation (2 files)
618.1 Requests for geologic examination - cooperation with railroads
620 Texas - geologic map
621 Miscellaneous nonmetals
621.01 Magnesite
621.02 Asbestos (2 files)
621.04 Talc and soapstone
621.1 Abrasives
621.2 Clays, sands, etc.
621.21 Materials for optical purposes
621.22 Glass sand
621.3 Gems and precious stones (2 files)
621.4 Graphite
621.5 Gypsum
621.6 Mica
621.7 Salts
621.8 Sulphur and pyrite
621.9 Feldspar and fluorspar
622 Building and road materials, miscellaneous
622.1 Asphalt and ozoerite (2 files)
622.2 Cement
622.3 Granites and Marbles
622.4 Limestone and sandstones
622.8 Slate
623 Fertilizers - general
623.1 Phosphate
623.2 Potash and nitrate (4 files)
624 Fuels
624.1 Coal (both U. S. and foreign) (boxes 135-136)
624.15 Requests for information
624.2 Petroleum and natural gas (boxes 136-137)
624.20 Oil and gas wells (2 files)
624.202 Helium gas
624.21 Oil shale (3 files)
624.211 Ichthyol
624.212 Oil sands
624.22 Value of geologic work to oil companies
624.23 Leasing oil lands (2 files)
624.24 Oil lands - instruments for locating (2 files)
624.25 Oil and gas companies (boxes 138-139)
624.251 Oil pipe lines
624.26 Textbooks on oil geology
624.261 Geologic maps; oil maps
624.27 Estimates of supply of petroleum (2 files)
624.29 Investments - oil, gas, and oil shale
624.3 Peat (2 files)
624.31 Use of sphagnum moss in surgical dressing
625 Metals - General (9 files)
625.01 Chromite (2 files)
625.02 Red Bole
625.03 Arsenic
625.1 Aluminum and bauxite
625.2 Copper (3 files)
625.3 Gold and silver (2 files)
625.4 Iron and manganese (9 files)
625.5 Lead and zinc
625.6 Platinum (2 files)
625.7 Quicksilver
625.8 Rare metals
626 Mines
626.1 Mining companies
626.2 Investment information requests
626.3 Placer mining
626.4 Prospecting
626.5 Rods, divining, etc.
626.8 Ore reserves
627 Scientific and Technical - General
627.02 Temperature (requests for information)
627.03 Sedimentation
627.1 Earthquakes and volcanos
627.1 Earthquakes and volcanos, Central America
At this point the series contains files organized by the following categories: General, Alabama, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and Wyoming. Thereunder the files are organized by selected elements of the decimal classification scheme governing this series as shown below. Not all file elements exist for all the categories.

627.2 Glaciers
627.2 Glaciers, foreign
627.3 Paleontology
627.3 Paleontology - Alaska
627.3 Paleontology, foreign, A-Z (7 files)
627.4 Petrography
627.5 Physiography
627.6 Stratigraphy
627.7 Nomenclature
627.8 Nomenclature
627.9 Wells
628 Specimens, general
628.1 Requests for information re: specimens analysis
628.2 Determination of specimens, United States and foreign (3 files)
628.3 Acknowledgment of specimens received by Geological Survey
628.4 Requests for specimens by Geological Survey
628.5 Re: shipments of specimens

At this point the series contains files organized by the following categories: General, Alabama, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and Wyoming. Thereunder the files are organized by selected elements of the decimal classification scheme governing this series as shown below. Not all file elements exist for all the categories.

607 Maps - Geological
608.3 Requests for information
609 Litigation; Testimony
610 Requests for geologic examination and surveys
611 Requests for examination of minerals lands
612 Requests for geologic examination - oil and gas
618 Formation names for maps; geologic boundary lines; employment on field parties
618.1 (Wyoming) Coal Basin Study
620 General
620 [Texas] Geologic map
620.02 Asbestos
621 Non-metals
621.01 Magnesite
621.04 Talc and soapstone
621.1 Abrasives
621.2 Clays, sands, and gravel
621.21 Silica, for optical glass manufacture
621.3 Gems and precious stones
621.5 Gypsum
621.6 Muscovite
621.7 Salts (except potash)
621.8 Sulphur
621.9 Feldspar and feldspar
622  Building materials
622.1  Asphalt and ozalerite
622.2  Cement
622.3  Granite, marbles
622.4  Limestone and sandstone
622.8  Slate
623  Fertilizer
623.1  Phosphate
623.2  Potash and nitrate
624  Coal beds
624.1  Coal
624.2  Oil and gas
624.20  Oil and gas wells
624.202  Helium
624.21  Oil shale
624.212  Oil sand
624.25  Oil companies
624.261  Coal fields; Oil maps
624.27  Statistics on petroleum production
624.28  Promotional enterprises
624.3  Peat
625  Miscellaneous Metals
625.01  Chromite
625.1  Bauxite
625.2  Copper
625.3  Gold and Silver
625.4  Iron and manganese
625.5  Lead and zinc
625.6  Platinum
625.7  Quicksilver
625.8  Rare metals
625.9  Tin and nickel
626  Mines
626.1  Mining companies and mining districts
626.3  Placer mining
626.4  Prospecting
626.5  Rods, divining, etc.
627  Scientific and Technical
627.02  Temperatures in deep wells
627.03  Core samples
627.1  Earthquakes and volcanos
627.2  Glacial geology
627.3  Paleontology
627.5  Physiography
627.6  Stratigraphy
627.7  Water resources
627.8  [Texas] Frio Clay discussion
627.9  Well records, data
628  Specimens
628.1  Requests for information [assays, analyses]
628.2  Determinations of specimens
650 Geologic investigations by nonsurvey members
650.1 Geologic investigations by nonsurvey members - paleontology
651 Geologic investigations by schools and colleges
652 Cooperation with outside individuals and organizations
655 Review of manuscripts
660 Conferences
660.1 American Geographical Society
660.2 Cosmos Club
660.3 American Museum of Natural History
660.4 American Association of Petroleum Geologists
660.41 American Association of Petroleum Geologists - Estimates of Petroleum reserves
660.6 American Mining Congress Bulletin
660.7 Society of Economic Geologists
660.8 American Petroleum Institute
660.9 Mining and Metallurgical Society of America (2 files)
661 Mining Conventions and Congress
662 Conservation Congresses and Conventions
663 National Academy of Sciences
663.1 National Academy of Sciences - Publications
663.2 Cooperation in study of Earth movements in California
663.3 National Research Council
664 Geological Society of America
664.1 Geological Society of America - papers
664.3 Geological Society of America - membership
664.4 Geological Society of America - meeting place
665 American Institute of Mining and Metallurgical Engineers
665.1 American Institute of Mining and Metallurgical Engineers, papers for publication
665.2 American Institute of Mining and Metallurgical Engineers, nominations
665.3 American Institute of Mining and Metallurgical Engineers, Division of Petroleum Technology
666 Pan Pacific Scientific Congress
666.1 Pan American Scientific Congress, papers for publication
667 Association of American Geographers
667.1 Association of American Geographers
667.2 Association of American Geographers - papers for publication
668 American Association for the Advancement of Science
668.1 American Association for the Advancement of Science, membership
668.2 American Association for the Advancement of Science, meetings
670 War Minerals - general (3 files)
670.1 War Minerals - deposits
670.2 War Minerals Administration Bill, 1918
670.3 War Minerals Relief Commission
671 Geologists to assist in War Minerals investigations (2 files)
671.01 Geologists to assist in War Minerals investigations - magnesium
671.1 Geologists to assist in War Minerals investigations - pyrite
671.12 Geologists to assist in War Minerals investigations - manganese (3 files)
671.3 Geologists to assist in War Minerals investigations - quicksilver (2 files)
671.4 Geologists to assist in War Minerals investigations - platinum
671.5 Geologists to assist in War Minerals investigations - tin (2 files)
671.6 Geologists to assist in War Minerals investigations - rare metals (2 files)
671.7 Geologists to assist in War Minerals investigations - chromite
671.8 Geologists to assist in War Minerals investigations - nickel
671.9 Geologists to assist in War Minerals investigations - mica (2 files)
672 Military service of outsiders (2 files)
680 National Science Foundation, 1954
710 Alaska Branch
711 Conservation Branch
712 Chief Counsel
720 Chemistry and Physics Section
724 Chemistry and Physics - investigations
724.1 Suggestions for investigations
724.2 Van Orstrand
724.3 Geochemical Prospecting Unit
724.4 Organization of Section of Geochemistry and Petrology
  -- Projects in Section of Geochemistry and Petrology
728 Specimen analysis
729 Equipment
730 Mineral Resources
732.3 Reports of foreign mineral deposits
  -- Projects in Mineral Deposits Section
740 Report on Craters of the Moon National Monument, Idaho
741 Requests for Topographic Surveys, general
744 Topographic Maps
750 Correspondence with private individuals regarding participation on Geological Survey sponsored field trips
762 Division Field Equipment
763 Distribution and use of field equipment and other property
764 Distribution of Geological Survey publications
765 Division of Map Reproduction
765.1 Photographic Laboratory (requisitions for distribution of photographs)
765.2 Photomicrographic Laboratory
770 Publications Office
775 Section of Illustrations
776 Section of Map Editing (2 files)
777 Section of Texts
779 Cartographic Section
780 Office of Geologic Information and Reports
781 Requests for Control Data
  -- Section of Engineering Geology - Projects
  -- Section of Paleontology and Stratigraphy - Projects
800 Organization and work, 1916
800 Organization and Work - Geologic, Annual Report
800 Ten Year Program for fissionable materials
800 Comments on Six Year Plan, 1954-59
800.01 Memorandum for the Director
800.1 Memorandum for the record
800.2 Conference of Geologic Branch with various sections
  -- Notes on meetings & conferences
800.3 Administrative Research and Development
801 Requests for and assignments of temporary positions

341
802.1 Post War plans
802.2 Geologic Branch - Bikini Project
802.2 G. I. Retraining Program
803 General Relations with Members of Geologic Branch
803.2 Agreements to complete reports
803.3 Acknowledgments, Commendations, etc.
803.4 Scientific By-products of Geology (2 files)
803.5 Clerical Assignments (2 files)
804 Peat deposits of the U.S. (3 files)
804.01 Gravity studies
804.02 Oil Shale Studies
804.03 Tectonic Map of the U.S.
804.04 Micropaleontology of oil fields
804.1 Suggestions of geologic investigations
804.3 Railway guidebooks
804.4 Army Camps (organized by name of camp)
804.5 War Minerals Investigations
804.6 Data regarding scientific organizations
804.7 Permission for foreigners to join survey parties
804.8 Volcanology studies in Hawaii
805 Zinc-Lead Project, Wisconsin, Illinois, Iowa
805 Metalliferous Resources of Wyoming
804.1 Metalliferous deposits; investigations; Colorado; Utah
806 Areal and nonmetal investigations - Arizona, California, Colorado, New Mexico, Nevada, Utah
804.1 Potash investigations - New Mexico
806 Areal Section (2 files)
809 Fuels Section
804.6 Fuels, investigations - California; Colorado; Oklahoma
804.6 Naval Petroleum Reserve
940 Geophysical Branch (transferred from Bureau of Mines) (2 files)
940 Geophysics
940 Geophysical Branch - Projects
953 Field Manual prepared by Alaskan Section
A - Miscellaneous, 1948-52
Adams, John W., 1947-52
Agnew, Allen F., 1942-52 (2 files)
Albee, Arden L., 1950-52
Albers, John P., 1942-51
Alexander, William Jasper, 1948-53
Almond, Hy, 1948-52
Allen, Victor, 1942-51
Allingham, John W., 1949-52
Anderson, Charles A., 1943-52 (3 files)
Anderson, Frank J., 1948-49
Andrew, Francis G., 1947-53 (2 files)
Andrews, Thomas G., 1945-52
Armstrong, Frank C., 1943-52 (2 files)
Arnold, David C., 1951-52
Atherton, Ruth, 1951-52

B - Miscellaneous, 1942-52
Bailey, Edgar H., 1943-52 (3 files)
Bailey, R. K., 1942-46
Bales, William E., 1952-53
Baker, Donald R., 1952
Bannerman, Harold M., 1947-53
Barnes, James V., 1947-50
Barton, William R., 1951-52
Bassett, Allen M., 1951-52
Bateman, Paul C., 1942-52 (2 files)
Bauer, Herman L., 1949-51
Baumgardner, Luther, 1951-52
Beart, George E., 1950-52
Beelere, David O., 1949-53
Behre, Charles H., 1948-52
Bejin, Waldemere, 1948-52
Bell, Henry, 1949-52
Bell, Kenneth G., 1950-52
Bell, Mendell M., 1948-51
Bergman, Keith S., 1951-52
Baker, M. Howard, 1950-51
Beroni, Ernest P., 1948-52
Billings, Marland P., 1947-48
Bingham, Genevieve, 1950-51
Blackman, Doris H., 1950
Bodenlos, Alfred J., 1947-48
Bostwick, David A., 1948-53
Bowles, Charles Gilbert, 1950-53
Boyens, Margaret, 1951-53
Bozion, C. N., 1943-53
Brasher, George K., 1950-53
Bridge, Josiah, 1943-51
Brobst, Donald A., 1948-52
Brock, Maurice R., 1951-52
Broedel, Carl H., 1950-52
Brokaw, Arnold L., 1944-53
Bromfield, Calvin S., 1951-52
Brown, C. Ervin, 1951-52
Brown, C. Norman, 1950-53
Brubaker, Lewis A., Jr., 1950-52
Brueggemeyer, William S., 1951-52
Bryner, Leonid, 1947-52
Bryson, Robert P., 1951-52 (2 files)
Buck, Katherine Lutz, 1948-52
Buddington, A. F., 1943-52 (2 files)
Buie, Bennette F., 1951-52
Burbank, Wilbur S., 1944-52
Bush, Alfred L., 1946-52
Butler, Arthur P., 1944-53
Butler, B. S., 1944-50
Byers, Frank M., 1952
Byers, Virginia P., 1947-50

C - Miscellaneous, 1943-52
Cadigan, Robert A., 1948-52
Cady, Wallace M., 1946-52 (2 files)
Caldwell, Dabney, 1952
Calkins, Frank C., 1944-53
Callaghan, Eugene, 1940-52
Cameron, Eugene N., 1945-52
Campbell, Arthur B., 1948-52
Campbell, Charles D., 1942-52
Campbell, Ian, 1942-53 (2 files)
Campbell, Russel H., 1951-52
Campbell, Robert M., 1947-50
Canney, Frank C., 1951-52
Cannon, Helen L., 1947-52
Cannon, Ralph S., 1942-52
Carlson, John E., 1951-52
Carlson, Relda, 1948-52 (2 files)
Carr, Martha S., 1947-52
Carr, Wilfred J., 1950-52
Cater, Fred W., 1942-52
Carter, William D., 1951-53
Cathcart, James B., 1945-52 (2 files)
Chai-Hsiang, Chao, 1946
Cavender, Wayne S., 1952
Chace, Frederick M., 1946-53
Cheney, Thomas M., 1951-52
Chidester, Alfred H., 1945-52
Christman, Robert A., 1949-52
Cuppes, Norman P., 1952
Cifelli, Richard, 1948-50
Clabaugh, Patricia S., 1946
Clabaugh, Stephen E., 1945-52
Clark, Dorothy M., 1950-52
Clark, Lorin D., 1946-52
Clifford, Maurine, 1951-52
Cloud, Preston E., 1945-53
Coats, Robert R., 1951-52
Collins, John J., 1949-52
Cook, Donna M., 1952
Compton, Robert R., 1947-51
Cooper, John R., 1942-52
Cornwall, Henry R., 1943-52
Craig, Lawrence C., 1945-52
Cozzetto, Anita W., 1950-53
Creasey, S. Cyrus, 1942-52
Cressman, Earle R., 1948-52
Crittenden, Max D., 1942-52
Crowder, Dwight F., 1951-53
Crowe, Mary B., 1949
Crumpton, Rusian P., 1950-51

D - Miscellaneous, 1948-52
Danielson, John E., 1947
Darby, Eleanor R., 1947-48
Davidson, David F., 1948-52
Davidson, Edward S., 1948-52
Davis, Robert E., 1951-53
Daily, M. Corinne (Dawson), 1948-49
Dean, Basil G., 1952
Decker, Mary Fern, 1949-52
Deiss, Charles F., 1945-52
Dellwig, Louis F., 1947-52
DeVore, George W., 1948-53
Dickson, Frank W., 1951-52
Dings, McClelland G., 1942-52
Disbrow, Alan E., 1948-52
Drake, Grace, 1952
Dryden, Lincoln, 1952
Dreyer, Robert M., 1946-47
Duncan, Donald C., 1941-47
Dunlap, John C., 1945-51
Dunlap, Shirley, 1948-51
Durrell, Cordell, 1945-52 (2 files)
Durrell, Mary, 1948-50
Dutto, Howard B., 1950-52
Dutto, J. Thomas, Jr., 1948-52
Dutton, Carl E., 1949-52 (2 files)
E - Miscellaneous, 1948-52
Early, Margaret, 1952
Ebbley, Norman E., Jr., 1947-49
Eberlein, G. Donald, 1946-47
Eckel, Edwin B., 1940-52 (2 files)
Egly, Paul W., 1949-50
Ehlers, Ernest G., 1949
Eicher, Lee J., 1951
Ellis, Miller W., 1947-51
Engel, A. E. J., 1944-52 (2 files)
Engel, Celeste, 1947-52
Eric, John H., 1945-52
Erickson, George E., 1947-49
Erickson, Ralph L., 1951-52
Erickson, Algot J., 1950-52
Espenshade, Gilbert H., 1941-52
Evans, Owen D., 1951
Everhart, Donald L., 1946-53 (2 files)
Exner, Gertrude L., 1948-50

F - Miscellaneous, 1948-52
Faick, John N., 1950-52
Feeger, John A., 1951
Ferguson, Henry G., 1930-52
Fieldman, Dolf W., 1950-51
Finch, Warren I., 1948-52
Finlayson, Doris P., 1949-50
Fischer, Elizabeth G., 1947-53
Fischer, Richard P., 1943-52 (2 files)
Fix, Philip F., 1942-52
Flawn, Peter T., 1947-49
Flint, Arthur E., 1949-52 (2 files)
Flint, George M., Jr., 1952-53
Flint, Norman K., 1948-50
Folger, John J., 1948-49
Fox, Elinor L., 1948
Freedman, Jacob, 1949-52
Freeman, Val L., 1949-52
Freshour, Edith D., 1951-53
Frost, John E., 1949-51
Frieske, Fred D., 1950-51
Fries, Carl, Jr., 1939-43
Fryklund, Verne C., 1951-52

G - Miscellaneous, 1943-52
Gale, Hoyt S., 1939-52
Gallagher, David, 1941-52 (3 files)
Gardner, Kenneth W., 1947-52
Gardner, Louis S., 1939-53
Gibson, Virginia L., 1948-52
Gilbert, Charles M., 1945-51
Gilbert, Cynthia C., 1951-52
Gildersleeve, Benjamin, 1951-52
Gilkey, Millard M., 1948-52
Gillerman, Elliott, 1945-52
Gilluly, James, 1942-53
Goddard, Edwin N., 1941-53
Good, Stanley E., 1949-50
Goode, Dorothy R., 1950-52
Goode, Harry D., 1950-52
Goodspeed, George E., 1948-50
Gordon, Mackenzie, 1940-51
Gordon, Ellis D., 1951-52
Gosman, Robert F., 1949-52
Gott, Garland B., 1949-52
Gould, Earl E., 1945
Gould, Howard R., 1951-52
Gower, Margaret, 1951-52
Gowdey, Frances S., 1950-52
Granger, Arthur E., 1941-53
Granger, Harry C., 1949-52
Granger, Janel Cook, 1948-53
Gray, Clifton H., 1951-52
Grigorio, Mary R., 1949-51
Griffitts, Wallace R., 1942-52
Griggs, Allen B., 1942-52
Gros, Frederick C., 1942-43
Gross, Eugene B., 1951-52
Grunig, James K., 1948-53
Gude, Arthur J., 1950-52
Gulbrandsen, Robert A., 1948-52

H - Miscellaneous, 1948-52
Hack, John T., 1949-52
Hagner, Arthur F., 1944-52
Hall, Darand A., 1941-43
Hall, Robert B., 1948-52
Hall, Wayne E., 1948-52
Hanley, Edward S., 1949-53
Hanley, John B., 1947-52
Hanson, Agnes R., 1949-52
Harbaugh, John W., 1950-51
Hardin, George C., Jr., 1946-47
Harrison, Jack E., 1951-52
Hasler, Marjorie O., 1952
Hasler, William J., 1951-52
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3632 J. B. Umpleby Hailey, Idaho; Sumpter, Oregon; Yosemite, and Napa, California; Shasta County copper mines, California; Van Horn, Texas; Deming and Silver City, New Mexico; Franklin Furnace, New Jersey; Santa Rita, New Mexico 1912-13
3633 J. B. Umpleby Notes on Sudbury, Selwood (Moose Mt.), Colbalt and Coniagas mines, Canada 1913
3634 J. B. Umpleby Vacaville, Suisun, Stanford, Livermore, San Jose, Los Angeles, Valermo Quadrangles; also a few notes on Goldfield, Nevada 1915
3635 J. B. Umpleby Cuyuna Range, Mesabi Range, Biwabik mine and Ironon, Minnesota; Miami mines, Inspiration Ridge, Ray - Hercules mines, Phoenix, Ojo, Arizona; Mogollon, Fanny mine, Cooney Canyon, New Mexico 1916
3636 J. B. Umpleby Colorado River dams, California 1921
3637 J. B. Umpleby Weaverville, Sandburg, Chalome, Yuma and Big Trees Quadrangles, California 1917
3638 J. B. Umpleby Colorado River, Nevada 1922
3639 J. B. Umpleby 4 in. x 6 in. card index of localities, specimens, and mines found in Books 1 to 5. Ray and Miami District, Arizona 1910-11
3640 W. H. Weed Yellowstone Park, Midway Geyser Basin, Old Faithful Group, Giantess Group, Three Crater Group 1883
3641 W. H. Weed Yellowstone Park, Giantess Group, Three Crater Group, Giantess Geyser, Grand and Turban indicators, River Group, Riverside Geyser, Castle Group, Castle Cone, Crystal Spring, Splendid, Giant Group, Oblong Springs on Little Firehole, Soda Geyser Group, Cascade Group, Emerald Group, Cliff Geyser, Solitary Spring, Camp Group, Marys Lake Sulphur Springs, Sulphur Creek Springs 1883
3642 W. H. Weed Yellowstone Park, Red Terrace Spring, Fissure Group, Pink Cone Geyser, Goose Mud Lake, Perpetual Geyser, East Fork Springs, Fountain Group, Geyser Meadows; also Spring notes 1883
3643 W. H. Weed Yellowstone Park, Mammoth Hot Springs 1884
3644 W. H. Weed Yellowstone Park, Hot Springs notes, Norris Geyser Basin 1884
3646 W. H. Weed Yellowstone Park, Upper Geyser Basin, Shoshone Basin, Springs of Midway Geyser Basin, Springs of Rabbit Creek, Sour Creek Springs, Broad Creek Springs, Moss Creek (Orange Creek), Forest Springs 1884
3647 W. H. Weed Yellowstone Park, list of collection of specimens 1884
3648 W. H. Weed Yellowstone Park, Mammoth Hot Springs 1885
3649 W. H. Weed Yellowstone Park, Lower Firehole: Butte Group, Camp Group, Sentinel Group, Twin Buttes, Fairy Falls Group, River Group, Norris Basin 1885
3650 W. H. Weed Yellowstone Park, Upper Firehole: Butte Group, Camp Group, Sentinel Group, Twin Buttes, Fairy Falls Group, River Group, Norris Basin 1885

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6027 Wm. C. Alden Glacial geology and physiography, Jackson Hole, Teton Mountains and west to Ashton, Idaho 1926
6028 Wm. C. Alden Reconnaissance, glacial geology and physiography, Yellowstone National Park, Gallatin and Missouri Rivers N. to Helena and NW. to Flathead Basin, Glacier Park, and Missoula to Three Forks and south Montana 1927
6029 Wm. C. Alden Reconnaissance, glacial geology and physiography, Flathead Basin, Mission Range, Clark Fork, SE. to Phillipsburg, Montana 1927
6030 Wm. C. Alden Reconnaissance, glacial geology and physiography, Flint Creek Mountains, SE. to Three Forks, Madison River Valley and Mountains, Montana S. to Ashton, Idaho 1927
6031 Wm. C. Alden Reconnaissance, glacial geology and physiography, Madison Valley, Big Hole and NW. down Clarks Fork, Thompson Falls, Montana 1928
6032 Wm. C. Alden Reconnaissance, glacial geology and physiography, Thompson Falls, Montana, NW. down Clarks Fork, Spokane, and Ritzville, Washington 1928
6033 Wm. C. Alden Reconnaissance, glacial geology and physiography, Washtucna to Grand Coulee and E., N. of Spokane, Pend Oreille River, Kootenai Valley east to Libby, Montana 1928
6034 Wm. C. Alden Reconnaissance, glacial geology and physiography, Kootenai River, Flathead Basin; Missoula S. and E. to Monida, Montana 1928
6035 Wm. C. Alden Reconnaissance, glacial geology and physiography, Yellowstone Park, Ashton, Idaho, NW. to Missoula and west to Spokane; SE. to Pasco and up Columbia River to Lake Chelan, Washington 1928-29
6036 Wm. C. Alden Reconnaissance, glacial geology and physiography, Okanogan Valley, Columbia River and Spokane River and Pend Oreille River N. to 49 degrees, Washington 1929
6037 Wm. C. Alden Reconnaissance, glacial geology and physiography, S. and N. of Spokane, N. Idaho, Clarks Fork Valley, Montana, and north; Flathead Basin and Swan Lake south to Blackfeet River and Missoula 1929
6038 Wm. C. Alden Reconnaissance, glacial geology and physiography, Bitterroot Valley, Big Hole and Dillon, south to Monida, east and south to Ashton, Idaho 1929
6039 Wm. C. Alden Reconnaissance, glacial geology and physiography, Madison and Missouri Rivers N. to Helena; Blackfoot River to Missoula, Glacier Park to Kootenai Valley 1930
6040 Wm. C. Alden Reconnaissance, glacial geology and physiography, Kootenai Valley down to Bonners Ferry and Kootenai Lake, East to Flathead Basin, Clarks Fork, Thompson Falls east and south up Bitterroot Valley 1930
6041 Wm. C. Alden Reconnaissance, glacial geology and physiography, Bitterroot Valley to Dillon, South to Monida; S. and E. to Ashton, Idaho 1930
6042 Wm. C. Alden Reconnaissance, glacial geology and physiography, Ashton, Idaho, N. to Glacier Park, W. to Kootenay Lake and SE. to Thompson Falls, Montana 1930
6043 Wm. C. Alden Reconnaissance, glacial geology and physiography, Ashton, Idaho, north; Madison and Gallatin Valleys; Blackfeet River and Flathead Basin Montana 1931
6044 Wm. C. Alden Reconnaissance, glacial geology and physiography, Flathead Basin, Missoula, Bitterroot Valley, Big Hold, Dillon and Wise River, Montana 1931
6045 Wm. C. Alden Reconnaissance, glacial geology and physiography, Wise River, Dillon and south to Lima, east to Ashton, Idaho 1931
6046 Wm. C. Alden Field conferences with G. E. Condra, A. L. Lugn, and others, glacial geology, eastern half of Nebraska; traverses south, east, north and west from Lincoln (west to Goathburg) 1932
6047 Wm. C. Alden Reconnaissance, glacial geology and physiography, Yellowstone Park and Cody, Wyoming, north to Great Falls, Montana; W. and N. to and in Glacier National Park, Montana, Flathead Basin and W. to Plains 1936
6048 Wm. C. Alden Reconnaissance, glacial geology and physiography, Plains to Missoula, Montana; to Cody, Wyoming; Yellowstone Park W. and N. to Dillon, Montana; Pioneer Mountains and Wise River; Big Hole Basin and Flathead Basin, Clarks Fork and E. to Helena; South to Butte, Ruby River, Spenser and Idaho Falls, Idaho 1936
6049 Wm. C. Alden Reconnaissance, glacial geology and physiography, Idaho Falls N. to Missoula; W. to St. Regis and Clarks Fork, Montana; Coeur D’Alene Mountains, Flathead Basin, Bitterroot Valley, Blackfoot River, Montana; and Salmon and Lemhi Valleys and Mountains, Idaho 1937
6050 Wm. C. Alden Reconnaissance, glacial geology and physiography, Salmon and Lemhi Valleys, Idaho; Beaverhead County, Montana; south to Monida, Montana; Spencer to Gilmore, Idaho, and to Idaho Falls 1937
6051  Wm. C. Alden
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6052  Wm. C. Alden
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6053  Wm. C. Alden
Boston south to Cape Cod and northwest to Lowell and Barre, Vermont; Springfield and north in Massachusetts 1939

6054  Wm. C. Alden

6055-a  Wm. C. Alden
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6055-b  Wm. C. Alden
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6055-c  Wm. C. Alden
Topographic map showing geologic field data, Yellowstone National Park, Wyoming n.d.

6055-d  Wm. C. Alden
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6055-e  Wm. C. Alden
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6055-f  Wm. C. Alden
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6055-g  Wm. C. Alden
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6055-h  Wm. C. Alden
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6055-i  Wm. C. Alden
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6055-z  Wm. C. Alden
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6055-ce  Wm. C. Alden
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6055-ff  Wm. C. Alden
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6056-c  Wm. C. Alden
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6056-d  Wm. C. Alden
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6056-e  Wm. C. Alden
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6056-f  Wm. C. Alden
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## Appendix 12

### Geologic Division - Microfiche Copies of Geologists' Field Notebooks, 1871-1969 (entry 173)

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1019 Waldemar Lindgren Colfax, California n.d.
1022 Waldemar Lindgren California n.d.
1028 Waldemar Lindgren Markleeville, California / Nevada n.d.
1036 Waldemar Lindgren Pyramid Peak, California n.d.
1041 Waldemar Lindgren Goldbelt region, Markleeville, California 1887
1043 Waldemar Lindgren Washington 1906
1046 Waldemar Lindgren Boise, Idaho 1896
1047 Waldemar Lindgren Idaho Basin 1896
1048 Waldemar Lindgren Boise, Idaho 1896
1050 Waldemar Lindgren Silver Crown District, Wyoming 1896
1058 Waldemar Lindgren Catalog of collections, Silver City and Nampa, Idaho 1896-7
1059 Waldemar Lindgren Hailey and Wood River District, Idaho 1896
1064 Waldemar Lindgren Bitter Root Mountains, Idaho / Montana 1899
1068 Waldemar Lindgren Eastern Oregon gold fields 1900
1077 Waldemar Lindgren Auriferous gravels, California 1902
1078 [2] Waldemar Lindgren Cripple Creek, Colorado 1903
1079 Waldemar Lindgren Cripple Creek, Colorado 1903
1081 Waldemar Lindgren, L. C. Graton Cripple Creek, Colorado 1903
1083 Waldemar Lindgren, L. C. Graton Cripple Creek, Colorado 1903
1086 Waldemar Lindgren, L. C. Graton Cripple Creek, Colorado 1904
1088 Waldemar Lindgren Mines of Colorado; Cripple Creek 1904
1090 Waldemar Lindgren Dora Ana and Luna mines, New Mexico 1905
1093 Waldemar Lindgren Rawhide and Aspen areas, Colorado / Nevada 1908
1094 Waldemar Lindgren Sweden / Colorado / South Dakota 1910-11
1095 Waldemar Lindgren Dahlonega minerals, Georgia 1906
1096 Waldemar Lindgren Dahlonega minerals, Georgia n.d.
1098 C. W. Purington La Plata, Colorado 1896
1100 C. Whitman Cross; C. W. Purington Telluride, Colorado 1896
1101 C. Whitman Cross; C. W. Purington Telluride, Colorado 1896
1102 C. Whitman Cross; C. W. Purington Telluride, Colorado 1896
1103 C. Whitman Cross; C. W. Purington Telluride, Colorado 1896
1107 Samuel F. Emmons; C. W. Purington Rico, Colorado 1898
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1524 Charles Willard Hayes; R. C. Dodge Calhoun and Cleburne Counties, Alabama 1895
1529 Charles Willard Hayes Arkansas Baxite 1900
1530 Charles Willard Hayes Clays, Louisiana / Arkansas / Tennessee 1900
1531 Charles Willard Hayes Texas oil fields 1901
1532 Charles Willard Hayes Texas oil fields 1901
1533 Charles Willard Hayes Reconnaissance, Colorado / Utah / Idaho 1903
1534 Charles Willard Hayes Flat River Lead District, Missouri 1905
1538 Charles Willard Hayes; M. R. Campbell Cleveland and Murphy, Tennessee / North Carolina 1889
1539 [2] M. R. Campbell; C. W. Hayes Cleveland and Dalton, Georgia / Tennessee 1890
1542 Charles Willard Hayes; M. R. Campbell Kingston and Cleveland, Tennessee 1890
1542-A M. R. Campbell Deep River coal fields, North Carolina 1922
1542-C M. R. Campbell Deer Creek coal field, Arizona 1903
1543 [5] Edson S. Bastin Eastport, Maine 1907-10
1544 Edson S. Bastin Eastport, Maine 1907-10
1545 Edson S. Bastin Eastport, Maine n.d.
1729 John E. Wolff; Alfred H. Brooks Raritan, New Jersey 1895
1729-A Arthur C. Spencer; Alfred H. Brooks; John E. Wolff Franklin Furnace, New Jersey 1895-96
1729-E Arthur C. Spencer; Alfred H. Brooks John E. Wolff 1896
1786 Charles Willard Hayes Phosphate Region, Tennessee 1894
1866 Waldemar Lindgren Gold Belt Region, California n.d.
1867 Waldemar Lindgren Gold Belt Collection, Placer County, California n.d.
1868 Waldemar Lindgren Gold Belt Collection, Yuba County, California n.d.
1869 Waldemar Lindgren Gold Belt Collection, Eldorado County, California n.d.
1870 Waldemar Lindgren Gold Belt Collection, Alpine County, California n.d.
1872 Waldemar Lindgren Gold Belt Collection, Sacramento County, California n.d.
1873 Waldemar Lindgren Gold Belt Collection, Sutter County, California 1873
1887 Joseph A. Taff; Alfred H. Brooks Buckhannon, West Virginia 1895
1888 Joseph A. Taff; Alfred H. Brooks Buckhannon, West Virginia 1895
1889 Joseph A. Taff; Alfred H. Brooks Buckhannon, West Virginia 1895
1890 Joseph A. Taff; Alfred H. Brooks Buckhannon, West Virginia 1895
1891 Joseph A. Taff; Alfred H. Brooks Buckhannon, West Virginia 1895
1892 Joseph A. Taff; Alfred H. Brooks Buckhannon and Sutton, West Virginia 1895
1913 W. C. Mendenhall Corona, California 1906
1914 W. C. Mendenhall Corona, south California / Yuba and American Rivers, north California 1910
1917 W. C. Mendenhall; C. H. White Corona, California 1903
1918 W. C. Mendenhall; C. H. White Elsinore and San Bernardino, California 1903
1920 W. C. Mendenhall; W. O. Clark Corona, California 1906
1921 W. C. Mendenhall; H. R. Johnson Corona and Santa Ana, California 1908
1921-B [2] W. C. Mendenhall; E. S. Larsen Corona, California 1906
1922 [2] W. C. Mendenhall; E. S. Larsen Corona, California 1906
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1924 W. C. Mendenhall; E. S. Larsen Corona, California 1907
1925 W. C. Mendenhall; E. S. Larsen Corona, California 1910
1942 Julian D. Sears and others Coal fields from Gallop eastward to Mt. Taylor, New Mexico 1929
1944 Julian D. Sears; H. O. Debeck Coal fields from Gallop eastward to Mt. Taylor, New Mexico 1929
1946 Julian D. Sears; W. S. Pike, Jr. Coal fields from Gallop eastward to Mt. Taylor, New Mexico 1929
1953-B Edson S. Bastin Clear Creek and Gilpin, Colorado - mills, flow sheets n.d.
1964 Albert C. Peale; W. R. Taggart South Park Division, Colorado 1873
1965 [2] Albert C. Peale; Ferdinand V. Hayden South Park Division, Colorado 1873
1967 Albert C. Peale; Ferdinand V. Hayden South Park Division, Colorado 1873
1968 [2] Albert C. Peale; Ferdinand V. Hayden South Park Division, Colorado 1873
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2214 [2] T. C. Chamberlain; William C. Alden Southeast Wisconsin 1907
2216 T. C. Chamberlain; William C. Alden Southeast Wisconsin 1907
2217 [2] T. C. Chamberlain; William C. Alden; H. E. Thwaites Southeast Wisconsin 1907
2218 T. C. Chamberlain; William C. Alden; R. D. Calkins Southeast Wisconsin 1907
2223 T. C. Chamberlain; William C. Alden Southeast Wisconsin 1909
2225 T. C. Chamberlain; William C. Alden; E. R. Scheffel Southeast Wisconsin 1909
2227 T. C. Chamberlain; William C. Alden Southeast Wisconsin 1910
2228 T. C. Chamberlain; William C. Alden Southeast Wisconsin 1910
2229 T. C. Chamberlain; William C. Alden Southeast Wisconsin 1910
2230 T. C. Chamberlain; William C. Alden; W. D. Jones Southeast Wisconsin 1909
2231 William C. Alden; G. J. Miller Southeast Wisconsin 1909
2233 T. C. Chamberlain; William C. Alden Northern Illinois 1908
2234 Arthur Keith; William C. Alden Illinois / Ohio / Wisconsin 1911
2235 T. C. Chamberlain; William C. Alden Brookfield, Massachusetts 1906-7
2236 T. C. Chamberlain; William C. Alden Worcester, Massachusetts 1906
2237 T. C. Chamberlain; William C. Alden Blackstone, Massachusetts 1906
2239 T. C. Chamberlain; William C. Alden Marlboro, Massachusetts 1906
2240 T. C. Chamberlain; William C. Alden Barre, Massachusetts 1907
2241 T. C. Chamberlain; William C. Alden Belchertown, Massachusetts 1907
2243 M. L. Fuller; William C. Alden Gales and Elkland, Pennsylvania 1900
2244 T. C. Chamberlain; William C. Alden Mt. Desert Island, Maine 1907
2245 T. C. Chamberlain; William C. Alden Mt. Desert Island, Maine 1907
2247 M. R. Campbell; William C. Alden Glacier National Park, Montana 1911
2248 M. R. Campbell; William C. Alden Glacier National Park, Montana 1911
2249 M. R. Campbell; J. E. Thomas Glacier National Park, Montana 1911
2250 William C. Alden; Eugene Stebinger Blackfeet Indian Reservation, Montana / southern Alberta, Canada 1912
2252 M. R. Campbell; William C. Alden Glacier National Park, Montana 1913
2253 M. R. Campbell; Clifton S. Corbett Glacier National Park, Montana 1913
2254 M. R. Campbell; Clifton S. Corbett Glacier National Park, Montana 1913
2255 M. R. Campbell; Clifton S. Corbett Glacier National Park, Montana 1911-14
2256 M. R. Campbell; E. M. Parks Glacier National Park, Montana 1911-14
2257 A. Keith; William C. Alden Montana / North Dakota 1911
2258 A. Keith; William C. Alden Maine / Massachusetts 1912
2259 T. C. Chamberlain; William C. Alden Northeastern Iowa 1908, 1910
2260 T. C. Chamberlain; William C. Alden; and others Wisconsin - well records 1898-1911
2261 T. C. Chamberlain; William C. Alden; and others Wisconsin - well records 1898-1911
2262 T. C. Chamberlain; William C. Alden; and others Wisconsin - well records 1898-1911
2263 T. C. Chamberlain; William C. Alden; and others Wisconsin - well records 1898-1911
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2275 William C. Alden Iowa / Illinois / Minnesota / North Dakota / Nebraska n.d.
2276 William C. Alden Iowa / Illinois / Nebraska n.d.
2277 William C. Alden Iowa n.d.
2278 William C. Alden Iowa n.d.
2279 William C. Alden Iowa / Minnesota n.d.
2280 William C. Alden Iowa / Illinois / Minnesota n.d.
2281 William C. Alden; M. M. Leighton Iowa n.d.
2282 William C. Alden; M. M. Leighton Northeastern Iowa n.d.
2283 William C. Alden; M. M. Leighton Iowa 1914
2284 William C. Alden; M. M. Leighton Iowa 1915
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Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

No. 313 Nathan W. Bass; James B. Eby; and others
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

No. 314 Nathan W. Bass; J. B. Eby; Nels C. Beck
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

No. 315 Nathan W. Bass and others
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

No. 316 [2] Nathan W. Bass and others
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

No. 319 Nathan W. Bass; Kenneth K. Landers
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

No. 320 Nathan W. Bass; Walter H. Newhouse;
James B. Eby
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

No. 322 [2] Nathan W. Bass; F. D. Spencer
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

Pershing oil and gas fields, Oklahoma 1918-21

No. 368 William W. Rubey
Pershing oil and gas fields, Oklahoma 1918-21

No. 369 William W. Rubey
Pershing oil and gas fields, Oklahoma 1918-21

No. 370 William W. Rubey
Pershing oil and gas fields, Oklahoma 1918-21

No. 371 William W. Rubey; Carle Hamilton
Pershing oil and gas fields, Oklahoma 1918-21

No. 412 Nathan W. Bass; F. D. Spencer
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

No. 423 Nathan W. Bass; B. A. Elliott
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

No. 425 Nathan W. Bass
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

No. 442 Wilmot H. Bradley; C. H. Dane
Sweetwater County and other areas, Wyoming / Colorado 1923

Julian D. Sears
Sweetwater County and other areas, Wyoming / Colorado 1923

No. 444 Wilmot H. Bradley; C. H. Dane
Sweetwater County and other areas, Wyoming / Colorado 1923

No. 477 Edwin B. Eckel; Arthur E. Granger
Quicksilver deposits, California 1936, 1939-40

No. 478 Edwin B. Eckel
California n.d.

No. 479 Edwin B. Eckel; and others
Quicksilver deposits, California 1936, 1939-40

No. 480 [3] John W. Huddle; Appleton J. Crowley;
Nathan W. Bass; and others
Duchesne, Uintah and Wasatch, Utah 1945-47, 1949

No. 481 John W. Huddle; J. M. Gorman; Nathan W. Bass;
and others
Duchesne, Uintah and Wasatch, Utah 1945-47, 1949

Reconnaissance for radioactivity, San Juan Mountains, Colorado 1951-53

No. 488 Frederick L. Ransome; M. Gordon Gulley
Oatman Gold District, Arizona 1920-22

No. 978 Chester R. Longwell
Black Hills Rim Project n.d.

No. 979 William W. Rubey
Black Hills Rim Project 1921-26

No. 980 William W. Rubey; Alec Stepanoff
Black Hills Rim Project 1921-26

No. 981 William W. Rubey
Black Hills Rim Project 1921-26

No. 982 William W. Rubey
Black Hills Rim Project 1921-26

No. 983 William W. Rubey
Black Hills Rim Project 1921-26

No. 984 William W. Rubey; Alec Stepanoff
Black Hills Rim Project 1921-26

No. 985 William W. Rubey
Black Hills Rim Project 1921-26

No. 986 William W. Rubey
Black Hills Rim Project 1921-26

No. 987 William W. Rubey
Black Hills Rim Project 1921-26

No. 988 William W. Rubey; Chester R. Longwell
Black Hills Rim Project 1921-26

No. 989 William W. Rubey
Black Hills Rim Project 1921-26

No. 990 William W. Rubey; Chester R. Longwell
Black Hills Rim Project 1921-26

No. 991 William W. Rubey
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No. 992 William W. Rubey; Chester R. Longwell
Black Hills Rim Project 1921-26

No. 993 William W. Rubey; Milton N. Bramlette
Black Hills Rim Project 1921-26

No. 994 William W. Rubey
Black Hills Rim Project 1921-26

No. 995 William W. Rubey; and others
Black Hills Rim Project 1921-26

No. 996 William W. Rubey; Harold W. Hoots;
Alec Stepanoff
Black Hills Rim Project 1921-26

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No. 1001 William W. Rubey; Chester R. Longwell;
Alec Stepanoff
Black Hills Rim Project 1921-26

Black Hills Rim Project 1921-26

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Black Hills Rim Project 1921-26

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Black Hills Rim Project 1921-26

No. 1006 William W. Rubey; Harold W. Hoots  
Black Hills Rim Project 1921-26

No. 1007 [2] William W. Rubey; Harold W. Hoots; and others  
Black Hills Rim Project 1921-26

Black Hills Rim Project 1921-26

No. 1010 [2] William W. Rubey; Chester R. Longwell; Alec Stepanoff  
Black Hills Rim Project 1921-26

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No. 1012 [2] William W. Rubey; Milton N. Bramlette; Frank A. Melton  
Black Hills Rim Project 1921-26

No. 1013 William W. Rubey  
Black Hills Rim Project 1921-26

Black Hills Rim Project 1921-26

No. 1097 Nathan W. Bass; Harley F. Barnes  
Glenwood Springs, Colorado 1945, 1947-54

Glenwood Springs, Colorado 1945, 1947-54

Glenwood Springs, Colorado 1945, 1947-54

No. 1100 Nathan W. Bass  
Glenwood Springs, Colorado 1945, 1947-54

Glenwood Springs, Colorado 1945, 1947-54

No. 1102 Nathan W. Bass  
Glenwood Springs, Colorado 1945, 1947-54

No. 1103 Nathan W. Bass  
Glenwood Springs, Colorado 1945, 1947-54

No. 1104 Nathan W. Bass  
Glenwood Springs, Colorado 1945, 1947-54

No. 1105 Nathan W. Bass  
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No. 1106 Nathan W. Bass  
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No. 1107 Nathan W. Bass  
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No. 1108 Nathan W. Bass  
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No. 1109 Nathan W. Bass  
Glenwood Springs, Colorado 1945, 1947-54

Glenwood Springs, Colorado 1945, 1947-54

No. 1111 Nathan W. Bass  
Glenwood Springs, Colorado 1945, 1947-54

Glenwood Springs, Colorado 1945, 1947-54

No. 1113 Nathan W. Bass; Frank G. Cooley  
Glenwood Springs, Colorado 1945, 1947-54

No. 1114 [2] Nathan W. Bass; Stuart A. Northrop  
Glenwood Springs, Colorado 1945, 1947-54

No. 1115 Nathan W. Bass; Stuart A. Northrop  
Glenwood Springs, Colorado 1945, 1947-54

No. 1116 Nathan W. Bass; Stuart A. Northrop  
Glenwood Springs, Colorado 1945, 1947-54

No. 1117 Nathan W. Bass; Stuart A. Northrop  
Glenwood Springs, Colorado 1945, 1947-54

No. 1118 Nathan W. Bass; Raymond C. Robeck; James K. Weaver  
Glenwood Springs, Colorado 1945, 1947-54

No. 1119 Nathan W. Bass; Raymond C. Robeck; James K. Weaver  
Glenwood Springs, Colorado 1945, 1947-54

No. 1120 Nathan W. Bass; Raymond C. Robeck; James K. Weaver  
Glenwood Springs, Colorado 1945, 1947-54

No. 1121 Nathan W. Bass; Frank D. Spencer  
Glenwood Springs, Colorado 1945, 1947-54

No. 1122 Nathan W. Bass; Peter M. Thompson  
Glenwood Springs, Colorado 1945, 1947-54

No. 1123 Nathan W. Bass; James D. Vine  
Glenwood Springs, Colorado 1945, 1947-54

No. 1124 Nathan W. Bass; James D. Vine  
Glenwood Springs, Colorado 1945, 1947-54

No. 1125 Nathan W. Bass; James D. Vine  
Glenwood Springs, Colorado 1945, 1947-54

No. 1126 Nathan W. Bass; James K. Weaver  
Glenwood Springs, Colorado 1945, 1947-54

No. 1127 Nathan W. Bass; James K. Weaver  
Glenwood Springs, Colorado 1945, 1947-54

No. 1128 [4] Nathan W. Bass; and others  
Glenwood Springs, Colorado 1945, 1947-54

Glenwood Springs, Colorado 1945, 1947-54

No. 1145 Irving J. Witkind; Julian D. Sears  
Abajo (Blue) Mountains, Utah 1950-56

Oil and gas resources in vicinity of Russell County, Kansas 1924

No. 1347 William W. Rubey; Milton N. Bramlette  
Oil and gas resources in vicinity of Russell County, Kansas 1924

Oil and gas resources in vicinity of Russell County, Kansas 1924

No. 1349 William W. Rubey  
Oil and gas resources in vicinity of Russell County, Kansas 1924

Cowley County and vicinity, Kansas 1926

Cowley County and vicinity, Kansas 1926

Well elevation, Western Kansas n.d.

Central and western Kansas 1924-25

Central and western Kansas 1924-25

Central and western Kansas 1924-25

Central and western Kansas 1924-25

No. 1358 Nathana W. Bass  
Central and western Kansas 1924-25

No. 1359 Nathan W. Bass  
Central and western Kansas 1924-25

No. 1360 Nathan W. Bass  
Central and western Kansas 1924-25

Central and western Kansas 1924-25

No. 1362 Nathan W. Bass  
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

No. 1364 Nathan W. Bass  
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

No. 1365 Nathan W. Bass  
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

No. 1366 [5] Nathan W. Bass; Frank D. Spencer  
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

No. 1389 [8] Nathan W. Bass  
Geology and mineral fuels, Colorado / Utah / Wyoming 1918-54

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| No. 1425 | [3] | Edwin B. Eckel; and others | Geology and ore deposits of the La Plata District, Colo. | 1935-37 |
| No. 1426 | [2] | Edwin B. Eckel; and others | Geology and ore deposits of the La Plata District, Colo. | 1935-37 |
| No. 1427 | [2] | Edwin B. Eckel; and others | Geology and ore deposits of the La Plata District, Colo. | 1935-37 |
| No. 1428 | [2] | Edwin B. Eckel; and others | Geology and ore deposits of the La Plata District, Colo. | 1935-37 |
| No. 1429 | | Edwin B. Eckel | Geology and ore deposits of the La Plata District, Colo. | 1935-37 |
| No. 1430 | [2] | Edwin B. Eckel; and others | Geology and ore deposits of the La Plata District, Colo. | n.d. |
| No. 1431 | | Edwin B. Eckel; F. W. Galbraith III; Arthur C. Spenser | Geology and ore deposits of the La Plata District, Colo. | 1935-37 |
| No. 1503 | | Edwin B. Eckel | California | n.d. |
| No. 1520 | | Edwin B. Eckel | Paraguay | 1952 |
| No. 1521 | | Edwin B. Eckel | Paraguay | 1952 |
| No. 1522 | | Edwin B. Eckel | Paraguay | 1952 |
| No. 1546 | | William W. Rubey | Hardin and Brussels, Illinois | 1928-29 |
| No. 1762 | [5] | Irving J. Witkind; and others | Geology and uranium-vanadium deposits, Arizona/ Utah | 1951-55 |
| No. 1763 | [4] | Irving J. Witkind; and others | Geology and uranium-vanadium deposits, Arizona/ Utah | 1951-55 |
| No. 1764 | [7] | Irving J. Witkind; and others | Geology and uranium-vanadium deposits, Arizona/ Utah | 1951-55 |
| No. 1765 | | Nathan W. Bass; Stuart A. Northrop | Glenwood Springs, Colorado | 1945-54 |
| No. 1981 | | Wilmot H. Bradley | Ecologic features of the Sagadahoe Bay tidal flat, Maine | 1949-55 |
| No. 1983 | | Wilmot H. Bradley | Ecologic features of the Sagadahoe Bay tidal flat, Maine | 1949-55 |
| No. 1984 | | Wilmot H. Bradley; Howard R. Gould | Ecologic features of the Sagadahoe Bay tidal flat, Maine | 1949-55 |
| No. 1985 | | Wilmot H. Bradley; Howard R. Gould | Ecologic features of the Sagadahoe Bay tidal flat, Maine | 1949-55 |
| No. 1986 | | Wilmot H. Bradley; Howard R. Gould | Ecologic features of the Sagadahoe Bay tidal flat, Maine | 1949-55 |
| No. 1987 | | Wilmot H. Bradley | Ecologic features of the Sagadahoe Bay tidal flat, Maine | 1949-55 |
| No. 1988 | | Wilmot H. Bradley | Ecologic features of the Sagadahoe Bay tidal flat, Maine | 1949-55 |
| No. 1989 | | Wilmot H. Bradley; Peter Cooke | Ecologic features of the Sagadahoe Bay tidal flat, Maine | 1949-55 |
| No. 1991 | | Wilmot H. Bradley | Ecologic features of the Sagadahoe Bay tidal flat, Maine | 1949-55 |
| No. 1993 | | Wilmot H. Bradley | Ecologic features of the Sagadahoe Bay tidal flat, Maine | 1949-55 |
| No. 2069 | [2] | Eleanor Bliss Knopf; G. V. Carroll; Adolph Knopf | Stissing Mountain and eastern New York | 1925-54 |
| No. 2070 | [3] | Eleanor Bliss Knopf; and others | Stissing Mountain and eastern New York | 1925-54 |
| No. 2071 | [3] | Eleanor Bliss Knopf; and others | Stissing Mountain and eastern New York | 1925-54 |
| No. 2086 | | Wilmot H. Bradley | Washakie Basin, Colorado / Wyoming | 1933 |
| No. 2343 | | Robert P. Bryson | Moorthread coal field, Montana | 1940-63 |
| No. 2784 | | Nathan W. Bass | Cowley County, Kansas | 1926 |
| No. 2796 | | Nathan W. Bass | Model anticline, Colorado / New Mexico | 1941-43 |
| No. 2804 | | Nathan W. Bass | Geology and mineral fuels, Colorado / Utah / Wyoming | 1918-54 |
| No. 2805 | | Nathan W. Bass | Geology and mineral fuels, Colorado / Utah / Wyoming | 1918-54 |
| No. 2806 | | Nathan W. Bass | Oil field areas of the Denver Basin, Colorado / Nebraska | 1951, 1954-57 |
| No. 2807 | | Nathan W. Bass | Oil field areas of the Denver Basin, Colorado / Nebraska | 1951, 1954-57 |

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<td>Alluvial cones, fans, wash plains</td>
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<td>Anticlines, synclines, and monoclines</td>
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<td>Badland topography</td>
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<td>Bedded volcanics</td>
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<td>Fault topography</td>
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<td>Geysers, hot springs, “Mud volcanos”</td>
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<td>Geysers, hot springs, “Mud volcanos”</td>
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<td>Glacial outwash</td>
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<td>Glacial polish, striae, grooves, “chatter marks”</td>
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<td>Glacier drainage</td>
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<td>Glaciated valleys (Pleistocene): U-form, V-form</td>
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<td>Glaciated valleys: wide-open, terraced, deep at head</td>
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<td>Glaciated valleys: with fiord lakes, asymmetric cross-profiles, sap-line, contrasted floors and walls</td>
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<td>Glaciated valleys: hanging</td>
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<td>Glaciers: the glacier head, the glacier stream</td>
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<td>Hot-spring deposits (including geyser deposits)</td>
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<td>Icebergs, slush-ice, work of shore ice</td>
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<td>Mines and mining: Alaska</td>
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<td>Mines and mining: Alaska</td>
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</table>
Mines and mining: Alaska, Arizona, Arkansas
Mines and mining: California
Mines and mining: Colorado
Mines and mining: Connecticut, Georgia, Idaho, Indiana, Kansas, Kentucky, Michigan, Missouri, Montana, Nevada
Mines and mining: New Mexico, New York, North Carolina, Oregon, Pennsylvania, South Dakota, Tennessee
Mines and mining: Texas, Utah, Virginia, Washington, West Virginia, Wisconsin, Wyoming, Belgium, British Columbia, France, Germany, Unidentified

Moraines
Mountain fronts
Mountain parks
Mud cracks, sun cracks
Mud flows, mud streams, mud runs
Natural bridges
Névé
Niagara Falls (falls, rapids, gorge)
Northwest Boundary Monuments
Nunataks
Organic agencies in erosion
Peaks
Peaks
Peaks
Peneplains
Perched blocks (of differential weathering)
Pinnacle topography
Planation
Plateaus, mesas
Plication, crumbing, contortion
Plication, crumbing, contortion
Plucking
Post glacial erosion
Pot holes
Quarries
Rain erosion
Riffs, rift valleys
Ripple marks
Rivers
Roches moutonnées
Rock basins
Rock streams
Rock textures (including thin sections)
Shore-ice work
Shore topography
Shore topography
Sills, intrusive sheets
Slaty cleavage, stretching, crushing, flow, foliation, banding, schistosity
Slaty cleavage, stretching, crushing, flow, foliation, banding, schistosity
Sink holes
Snow-line
Snow-slide effects
Springs
Steams, valleys, canyons
Streams, valleys, canyons
Structure, control in erosion
Subsidence topography
Sub-summit plateaus, shoulders, and terraces in glaciated mountains
Swamps
Tabular residuals of mountain peneplains
Talus
Tepee buttes
Terraces: marine, lacustrine
Terraces: fluviatile, glacial, hot-spring, structural
Till
Tufa (lacustrine deposits)
Veins
Volcanic ash
Volcanic eruptions
Volcanic necks, plugs, stocks, cores
Volcanos, cinder cones, lava cones
Waterfalls and cascades
Waterfalls and cascades
Waterfalls and cascades
Weather breccia (mantle rock, regolith)
Weathering
Weathering
Weathering
Yellowstone Falls
Appendix 14

Paleontology and Stratigraphy Branch - Office Files of Josiah Bridge, 1922-53 (entry 209)

A, Miscellaneous, 1934-42
Acknowledgments, Eminence and Cardareva Quadrangles, 1931-32
A.I.M.M.E., 1948-52

B, Miscellaneous, 1930-44
B, General, 1944-53
Balk, Christina L., 1934-51
Barghoorn, Elso S., 1950-51
Barnes, Virgil, 1938-53 (2 files)
Ex-Bauxite Personnel, Personal Letters, 1945-46
Bauxite, Post War Plans, 1948
Bays, Carl A., 1935-40
Bell, W. Charles, 1944-50
Berdan, Jean, 1948-53
Berkey, Charles P., Project 149, 1934-35
Berkey, Charles P., Project 171, 1933-39
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510.10 Reward Area - Case Grande District, 1942-43
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510.30 Suggestions for Geologic work - Arizona, 1920-39
515.5 Lead and zinc deposits of North Arkansas, 1928-48
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520.1 Olaf P. Jenkins, 1940-53
520.1 Olaf P. Jenkins, 1947-53
520.2 Memorandum Report on the Geology of the Northeastern Part of Ubehebe Peak Quadrangle, Inyo County, California by James F. Allister, 1947
520.5 Grass Valley District, California, 1929-40
520.6 Shasta County, California, 1909-47
520.6 Shasta County, California, 1910-38
520.7 Randsburg District, California, 1920-24
520.8 Alleghany District, California, 1923-29
520.9 Plumas County, California, 1928-31
520.11 Mother Lode, California, 1936-1945
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520.12 Death Valley Studies, 1936-40
520.13 Ivanpah Quadrangle, 1938-1940
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540 Idaho Bureau of Mines and Geology, 1938-53
540.1 Mineral Resources of Idaho, 1930, 1942
540.30 Suggestions for geological work - Idaho, 1913-46
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540.8 Bayhorse Quadrangle - Idaho, 1928-33
540.11 South Central Idaho, 1929-38
540.12 Sawtooth Quadrangle, Idaho, 1922-23
540.13 Correspondence regarding platinum samples from Coeur d'Alene, 1923
540.16 Coeur d'Alene Region, 1942-50
540.30 Suggestions for geologic work - Idaho, 1913-46
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-- Iowa Geological Survey, 1943-53
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541 Kentucky Geological Survey, 1947-52
543 Maine Department of Civil Engineering, 1943-53
544 Massachusetts - Cooperation, 1951
545 Maryland - Cooperation, 1945-52
546 Michigan Department of Conservation, 1943-52
546.30 Suggestions for Geologic work in Michigan, 1936-45
547 Minnesota - Geological Survey, 1947-53
548 Mississippi Geological Survey, 1949-53
549 Missouri Geological Survey and Water Resources, 1942-53
550 Montana Bureau of Mines and Geology, 1946-43
550.8 Jardine District, Montana, 1924-25
550.9 Butte Sulphides, Montana, 1911-21
550.10 Pioneer District, Montana, reconnaissance, 1940
550.30 Suggestions for geologic work - Montana, preliminary review of the mineral and fuel resources of the Upper Snake River Basin, 1936, 1951
550.30 Suggestions for geologic work - Montana, preliminary review of the mineral and fuel resources of the Upper Snake River Basin, 1936, 1951
550.30 Suggestions for geologic work - Montana, preliminary review of the mineral and fuel resources of the Upper Snake River Basin, 1936, 1951
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550.30 Suggestions for geologic work - Montana, preliminary review of the mineral and fuel resources of the Upper Snake River Basin, 1936, 1951
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560 Nevada Bureau of Mines, 1917-53
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560.7 Tonopah Quadrangle, Hawthorne, Nevada, 1922-38
560.9 Eureka and Mountain City Districts, Nevada, 1914, 1940
560.14 Sonoma Range Quadrangle, Nevada, 1940-48
560.30 Suggestions for geologic work - Nevada, 1935-45
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569 New Jersey Division of Geology, 1947-52
570 New Mexico Division of Geology, 1912-53
570.5 White Signal District, New Mexico, 1930-31
570.7 Steeple Rock District, [n.d.]
570.8 Santa Rita District, New Mexico, 1934
570.30 Suggestions for geologic work - New Mexico, 1914-15
571 New York State Museum, 1949-52
572 North Carolina Division of Mineral Resources, 1942-53
575 North Dakota State Geological Survey, 1947-53
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578 Oklahoma Geological Survey, 1940-53
578.5 Wyandotte Quadrangle, Oklahoma-Missouri, 1922-28
580 Oregon Department of Geology and Mineral Industries, 1928-53
580.30 Suggestions for geologic work - Oregon, 1910-41
581 Pennsylvania Department of Forests and Waters, 1943-52
584 South Carolina Geological Survey, 1938-53
585 South Dakota Geological Survey, 1949-52
586 Tennessee Department of Conservation, Division of Geology, 1940-53
587 Texas Bureau of Economic Geology, 1924-52
590 Utah State Engineer - Cooperation, 1930-53
590.1 Utah - General, 1945-46
590.3 Alunite Deposits near Maryvale, Utah, 1912-42
590.4 Red Butte Dam Site, Fort Douglas, Utah, 1928
590.9 Fluorspar deposit, Wild Cat Mountains, Utah, 1921-46
594 Vermont Department of Natural Resources, State Geologist, 1947-53
595 Virginia Conservation Commission, Geological Survey, 1943-53
596 Washington Division of Mines and Geology, 1949-53
| 598 | Wisconsin Geological and Natural History Survey, Geology Division, 1946-52 |
| 599 | Wyoming Geological Survey, 1932-52 |
| 599.30 | Suggestions for Geological Work - Wyoming, 1914-1947 |
| 600 | Outside relations, 1921-39 |
| 600 | Outside relations, 1940-42 |
| 600 | Outside relations, 1945 |
| 600 | Outside relations, 1948-49 |
| 607 | Vanadium, 1945-48 |
| 624.1 | Fifth Pacific Science Congress, 1931-33; Sixth Pacific Science Congress, 1939 |

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| 000 | General - Survey, 1946-47 |
| 010 | General - Geologic Branch, 1947-52 |
| 010.1 | Geochemistry and Petrology, 1948-52 |
| 010.2 | Geochemical Prospecting Section, 1950-52 |
| 010.3 | Geophysics Section Program, 1947-52 |
| 010.4 | Geologic Division Program Office, 1949-52 |
| 010.5 | Memoranda for Party Chiefs and Field Geologists, 1948-51 |
| 010.5 | Memoranda for Party Chiefs and Field Geologists, 1951-52 |
| 010.6 | Minutes of Branch Chiefs Meetings, 1949-52 |
| 010.6 | Minutes of various meetings, 1948-52 |
| 010.7 | U.S. Atomic Energy Commission, 1948-52 |
| 010.7 | U.S. Atomic Energy Commission, 1949 |
| 010.8 | Monthly reports for the Secretary, 1949-52 |
| 010.9 | Miscellaneous Reports, 1951 |
| 010.10 | Minutes of General Staff Meetings, 1950-52 |
| 010.11 | Completed record sheets, ca. 1950 |
| – | Minutes of the Pacific Northwest Field Committee, 1950-52 |
| – | Minutes of the Southwest Field Committee, 1950-52 |
| – | Federal Interagency River Basin Committee, 1950-52 |
| 011 | Memoranda - General, 1945-51 |
| 011 | Memoranda - General, 1946-52 |
| 011 | Strategic Minerals - General, 1937-39 |
| 011 | Strategic Minerals - General, 1940 |
| – | Memorandum No. A-28, 1950 |
| 011.1 | Project Review Board, 1949-51 |
| 011.2 | Requisitions, 1948-52 |
| 011.3 | Suggestions for Geologic work, 1917-48 |
| 011.3 | Suggestions for Geologic work, 1949 |
| 001.6 | Mineral Mobilization Planning, n.d. |
| – | Topographic Map needs, 1947 |
| 011.7 | Topographic Map needs, 1949 |
| 011.8 | Assignment of Project Numbers, 1949-50 |
| – | Outside Relations, 1943 |
| – | Outside Relations, 1944 |
| – | Outside Relations, 1948 |
| – | Outside Relations, 1951 |
| – | Outside Relations, 1951-52 |
| – | Outside Relations, 1952-53 |
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1. U.S. Geological Survey
   1.a Conservation Division
   1.b Branch of Map Distribution
   1.d Topographic Division
   1.e Water Resources Division

2. Geological Division
   2.a Alaskan and Foreign
   2.b Branch of Texts and Illustrations
   2.d Engineering
   2.e Fuels
      2.e-1 Monthly Reports - Branch News Letters
   2.f General
   2.g Geochemistry & Petrology
   2.h Office of Geologic Reports
   2.i Geophysics Branch
   2.j Military
   2.k Mineral Deposits
   2.l Paleographic and Stratigraphy
   2.m Photo Lab
   2.n Regional Office Reports
      2.O-1 Letters, memo to Chief, TEPCO
      2.O-2 Letters, memo from Chief, TEPCO
      2.O-3 Correspondence with AEC
      2.O-4 Security Information
      2.O-5 Miscellaneous information regarding TEPCO

3. Other Bureaus
   3.b Bureau of Mines
   3.d Bureau of Reclamation

4. Budget Information
   4.a Budget justification aides
   4.d 1945 budget
   4.e 1946 budget
   4.f 1947 budget
   4.g 1948 budget
   4.h 1949 budget
   4.i 1950 budget
   4.j 1951 budget
   4.l 1952 budget
   4.m 1953 budget

5. Circulars, Orders, Memoranda
   5.b Executive
   5.c Survey
      5.c-1 Chief Clerk's memos
      5.c-2 Chief Geologist's memos
      5.c-3 Director's memos
5.c-4 Monthly reports to the Secretary
5.c-5 Management improvement cases & reports
5.c-6 Memos form Executive Officer

10. Committees, Minutes of Meetings & Miscellaneous Field Trips
10.a Coordination Committee
10.d Fourth World Power Conference
10.e Geologic Names Committee
10.f-1 Interdepartmental Petroleum Committee
10.g Third World Petroleum Congress
10.h General Staff Committee
10.j Committee on Designation of field offices for Interior Handbook
10.k Speeches, lectures & papers
10.l Columbia Basin Inter-Agency Committee
10.m Energy Resources Committee
10.p International Geological Congress - Algiers
10.q Paley Commission Recommendations
10.r Denver Advisory Council
10.s Munitions Board Interdepartmental Committee

12. Equipment

20. Maps
20.a Map Distribution, West of the Mississippi
20.d Map Data
20.e Preparation of Maps & Reports

25. Miscellaneous
25.b Miscellaneous Correspondence
25.c Open File
25.e Dexter-Otto File

26. Nation-wide Surveys
26.b Letters to State Geologists regarding Survey work

28. Office and Buildings Correspondence
28.a Correspondence Procedure
28.c New Building Data
28.d Space Correspondence and Reports

30. Personnel
30.g Selective Service Numbers
30.o Thank You and Remembrances
30.p Bouquets
30.q Miscellaneous Instructions and Information
30.r Community Chest Reports
30.x Military Deferment Regulations

40. Trips
40.a Baker
40.b Dane
40.c Miscellaneous Field Trips
40.e Monroe
40.g Miller

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45. Projects
45.c Continental Shelf (2 files)
   45.c-1 Continental Shelf 1947 Estimate Geophysics Budget
   45.c-2 Continental Shelf 1948 Estimate
45.d Coal Laboratory
45.e Co-op Agreements
45.f Drilling Contracts
45.g Naval Petroleum - R. Miller
45.h Pacific Northwest
45.i Program Correspondence
45.j Helium
45.k Yampa Coal Drilling
45.l Korean Coal
45.m Southwest Washington Coal Field
45.o Suggested Projects (2 files)
45.p Missouri River Basin
45.q Unita Basin photogeology project

46. Publication
46.a Preparation of manuscripts for publication
46.b Publications - mailing regulations
46.c Publications - general editors list

48. Professional Societies
48.a A.A.P.G.
48.b A.I.M.E.
48.c G.S.A.
48.d Southeastern Geological Society
48.g A.A.A.S.

49. Requisitions, Orders, Supply Catalogs
49.a Aerial Photos

51. Technical Information
51.b Map Symbols & Zip patterns
51.c Abbreviations for Scientific and Engineering Terms
51.d Germanium
51.e Proposed graduate courses in Geology
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2.4  Recommendations, 1915-21
2.5  Transfers, 1917-21
3   Committees, temporary, 1923-31
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4   Separation from service, 1917-21
4.1  Reinstatements, employees, 1919-21
4.1  Reinstatements, 1917-21
5   Promotions and demotions, 1914-21
6   Telegraphic code, 1910-21
7   Organization, 1900-1944
8   Commendatory letters, 1902, 1910-21
9   Errors on Maps, 1921
13  Mailing addresses, 1912-18
15  Monthly reports, 1920
15  Monthly reports, 1921-22
15.1 Topographic Inspection Reports, 1904-9
15.1 Topographic Inspection Reports, 1907-16
15.3 Monthly summaries of office work, 1901-16
16  Reports, Field Assistants, 1918-21
17  Reports, annual, 1920-21
17  Correspondence regarding Arthur Stiles, 1905-6
18  Correspondence regarding Arthur Stiles, 1905-6
18  Letters from Committee and E. M. Douglas regarding Arthur Stiles, 1905-6
18  Letters from members of Congress regarding the Stiles Case, 1905-6
18  Special Committee formed to consider the Stiles matter, 1905-6
18  Correspondence, charges, and Committee report on Stiles matter, 1906
18  Hot Springs, Arkansas, Drainage and Sewage Report, J. W. Barnett, 1913
19  Geological Appropriations, 1879-80 to 1901-02 [bound volume]
19  Non-Cooperative expenditure of Survey, 1890-91, 1904-5
19  Statement of Cooperation to July 1, 1907
19  Cooperative Expenditures, by State, FY 1914-15 to 1922-23
19  Cooperation, general, 1907-14
19  Pending cooperation, 1901, 1905, 1910-21
20  Drainage, 1907-10
20  Partial report on the swamp and overflow lands of the United States by Sledge Tatum, 1910
20  Drainage, Kaskaskia River Survey, 1911
20  Unification of symbols, 1907-9
20  Map symbols, signs, and lettering, 1890-1908
20  Map symbols, signs, and lettering, 1903-7
21  Base Maps Committee, n.d.
21  Base Maps Committee, 1903-7
21  Maps, Editing and Printing Committee, 1898-1908
21  Condition of Surveys (U.S.) including cooperative surveys, 1892-1906
21.1 Committee on Records and Business Methods, 1914
21.2 Lantern Slides Committee, 1915
21.2 Description of Lantern Slides, 1913
21.3 Committee on Reclassification of Salaries, 1919-21
21.4 Committees, temporary, 1910-20
21.6 Committee, personnel, 1910-20
23 Bills in Congress, 1879-1919
23 Newlands Bill, 1913-14
24 Reports of injuries, accidents, etc., 1916-21
24.1 Leaves of absence, 1911-21
25 Appropriations, plans, and estimates - Fiscal Year, 1896-97
25 Appropriations, plans, and estimates - Fiscal Year, 1898
25 Appropriations, plans, and estimates - Fiscal Year, 1899
25 Appropriations, plans, and estimates - Fiscal Year, 1900
25 Appropriations, plans, and estimates - Fiscal Year, 1901
25 Appropriations, plans, and estimates - Fiscal Year, 1902
25 Plans and Allotments - Fiscal Year, 1903
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25 Plans and Allotments - Fiscal Year, 1905
25 Plans and Allotments - Fiscal Year, 1906
25 Plans and Allotments - Fiscal Year, 1907
25 Plans and Allotments - Fiscal Year, 1908
25 Plans and Allotments - Fiscal Year, 1909
25 Plans and Allotments - Fiscal Year, 1910
25 Plans and Allotments - Fiscal Year, 1911
25 Plans and Allotments - Fiscal Year, 1912
25 Plans and Allotments - Fiscal Year, 1913
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102.3 Interior Department Suggestions Committee, 1944-47
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106 National Park Buildings and Reservation, Public Works Administration, 1933-34
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110 Reclamation Service, 1945-47
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110 California, Shasta Valley Project, 1921-23
110 Reconnaissance maps, etc., 1904-21
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110.2 Memorandums for Director, 1918-21
111 Director, Acting Director, and Administrative Geologist, 1922-37
111 [charged out by USGS in 1963]
111.1 [charged out by USGS in 1963]
111.2 Director, Acting Director, and Administrative Geologist [charged out by USGS in 1963]
111 Chief Clerk, 1904-19
111.1 Geological Survey, Public Works Administration [charged out by USGS in 1963]
111.2 Claude H. Birdseye, 1932-35
111.3 Chief Counsel, USGS, 1944-47
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132.2 Department of War, Aerial Surveys, 1933-35
132.2 U.S. Engineer Office, C, 1929-38
132.2 Chief of Engineers, C, 1938-47
132.2 Chief of Engineers, C, 1939-41
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132.4 General Staff, War Department, 1940-47
132.2 Engineer Office, D, 1937-44
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132.2 Engineer Office, EF, 1935-41
132.2 Engineer Office, FGH, 1922-34
132.2 Engineer Office, GH, 1938-44
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572Ac Army Map Service, 1948-53 (3 files)
572Ac Army Map Service, 1:250,000 scale, 1947-53
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572Ac Memorandum of Understanding, methods of testing contracted topographic maps, 1948
572Ac Grid Project file, 1951-52
572Ac Army Map Service, general correspondence and division engineer memorandums, 1945-47
572Ac Fort Mitchell, Alabama, 1946
572Ac Camp Beale, California, 1946-49
572Ac Camp Irwin, California, 1946-49
572Ac Fort Ord, California, 1945-47
572Ac Camp Carson, Colorado [cross reference sheet only]
572Ac Fort Benning, Georgia, 1945-49
572Ac Camp Ellis and Camp Ellis Maneuver Area, Illinois-Missouri, 1946-48 (2 files)
572Ac Camp Atterbury, Indiana, 1946-48
572Ac Fort Riley, Kansas, 1947-48
572Ac Camp Campbell, Kentucky-Tennessee, 1946-48
572Ac Fort Knox, Kentucky, 1945-48
572Ac Aberdeen Proving Ground, Maryland, 1947-48
572Ac Fort Custer, Michigan, 1946-48
572Ac Camp Shelby, Mississippi, 1946-48
572Ac Camp Crowder, Missouri, 1945-47
572Ac Fort Leavenworth, Missouri-Kansas, 1947-49
572Ac Fort Bragg, North Carolina, 1946-49
572Ac Wright Field, Ohio, 1945-46
572Ac Camp Gruber, Oklahoma, 1948
572Ac Fort Sill, Oklahoma, 1946-48
572Ac Camp Croft, South Carolina, 1948
572Ac Camp Campbell, Tennessee, 1946
572Ac Big Bend, Texas, 1946-48
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572Ac Camp Hood, Texas, 1947-48
572Ac Camp Maxey, Texas-Oklahoma, 1947-48
572Ac A. P. Hill Military Reservation, Virginia, 1947-48
572Ac Camp McCoy, Wisconsin, 1947-48
572Ac Fort Francis E. Warren, Wyoming, 1946-49
572Ad Carrizo Mountains Project, 1949-52
572Ad Atomic Energy Commission, 1948-53 (2 files)
572Ad Atomic Energy Commission, Marysvale, Utah, 1952-53
572Ae U. S. Air Force, 1947-53
572C Coast and Geodetic Survey, cooperation with, 1947-53 (2 files)
572Ca Columbia River Basin, 1947-49
572F Fish and Wildlife Service, 1947-52
572Fa Forest Service, 1939-53
572I Bureau of Indian Affairs, 1947-51
572L Bureau of Land Management, 1947-53
572M Bureau of Mines, 1947-53
572N National Bureau of Standards, 1947-52
572N Florida, 1947-48
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572Na National Park Service, 1947-53
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572Nb Cooperation with the Navy Department, special projects, 1947-53 (2 files)
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572Ra River basin reports, 1947-48
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572RaC Coast and Geodetic Survey; Conservation Division, 1948-50
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572RaF Missouri River Basin, Forest Service, 1948
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572RaG Missouri River Basin, Geologic Division, 1949-50 (2 files)
572RaK Missouri River Basin, Daniel Kennedy, Central Region Engineer, correspondence, 1948-53 (2 files)
572RaL Missouri River Basin, Robert H. Lyddan; Bureau of Land Management, 1947-49
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572RaS Missouri River Basin, W. G. Sloan, Department of the Interior, Missouri Basin Field Committee, 1947-51 (2 files)
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572T Tennessee Valley Authority, 1945-53 (2 files)
572T Tennessee Valley Authority, Camp Ellis and Maneuver Area, 1947-48
572Ta Territories and Island Possessions, 1947-54
572W Cooperation with the War Department, Special Projects, 30th Engineers, 1949-53
572W Cooperation with the War Department, Special Projects, 1952-53
572W Cooperation with the War Department, Special Projects, Funds, 1951-53
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572W War Department, 1946-51 (7 files)
573 Alaska, changes in personnel, ca. 1922-45
573Aa Alaska Mapping Program, 1907-46 (3 files)
573A Alaska, field plans and activities, 1948-53
573A Alaska, topographic mapping projects, 1935-43
573AA Alaska, Branch of Accounts
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573AD Alaska Branch, correspondence with employees, 1903-46 [in alphabetical groupings] [18 files]
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573AM Alaska, 1948-51
573AN Alaska, 1933-44, 1948-52 (2 files)
573AP Alaska, 1949
573AR Alaska, 1948-52
573AS Alaska, including Sargent Ice Field, 1948-52
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573AW Alaska, 1948
573AX,Y,Z Alaska, 1948-49
573AaA Alaska, 1951-53
573AaA Alaska, Alaska Road Commission, 1934-47
573AaA Alaska, Air Force, 1948-52
573AaA Alaska, Juneau Office, 1948-53
573AaA Alaska, Army Map Service, 1948-56
573AaA Alaska, Aeronautical Chart Service, 1948-51
573AaB Alaska, 1948-53
573AaC Alaska, 1930-53 (2 files)
573AaC Alaska, Canada, 1950-53
573AaC Alaska, Coast and Geodetic Survey, 1947-53
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573AaG Alaska, including Geographic Names, 1949-53 (2 files)
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573AaW Alaska, 30th Engineers, 1950-53
573AaW Alaska, clearance of Alaska maps, 1948-53 [3 files and 1 envelope]
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573AaW Alaska, Francis L. Witkege, 1950-52
573C Cooperation, Conservation Division, Cooperative Projects, general, 1948-53
573C Cooperation, Conservation Division, California River Survey Drafting, 1947-48
573C Cooperation, Conservation Division, Grassy Quadrangle, Utah, 1947-49
573C Cooperation, Conservation Division, Grinnell and Sperry Glaciers, Montana, 1951-52
573C Cooperation, Conservation Division, Middle Fork Flathead River and Hungry Horse Project, Montana, 1950
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573G Cooperation, Geologic Branch, Photo Geology Research Project, Eureka-Seligman #2 Project, 1952-53
573G Cooperation, Geologic Branch, Special Project, Echo Park, Utah, etc., 1952-53
573G Cooperation, Geologic Branch, Kettle Falls, Washington, 1952-53
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573G Cooperation, Geologic Branch, Tucson, Arizona, 1947-48
573G Cooperation, Geologic Branch, Batesville, Arkansas, 1948
573G Cooperation, Geologic Branch, Colorado Vanadium Project, Colorado, 1946-48
573G Cooperation, Geologic Branch, GS-EWA, Colorado Photo Project, 1947-48
573G Cooperation, Geologic Branch, Holy Cross, Colorado, 1948-49
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573G Cooperation, Geologic Branch, Jacksonville Revision Project, Indiana, 1948
573G Cooperation, Geologic Branch, Anceney Quadrangle, Montana, 1947
573G Cooperation, Geologic Branch, Carson #1 and #2, and Mt. Rose, Nevada, 1948
573G Cooperation, Geologic Branch, Helper, Utah, 1948
573G Cooperation, Geologic Branch, Special Project, Lead Zinc District, Southwestern Wisconsin, 1949-50
573G Cooperation, Geologic Branch, Hartville, Wyoming, 1947
573G Cooperation, Geologic Branch, Korean maps, 1950
573G Cooperation, Geologic Branch, base map of Central America, 1947
573G Cooperation, Geologic Branch, China, shaded relief map, 1947-48
573G Cooperation, Geologic Branch, terrain diagram shading, 1947
573W Cooperation, Water Resources Branch, Special Project, Britton SE, Oklahoma, 1950-52
573W Cooperation, Water Resources Branch, Brookhaven National Laboratory, Long Island, New York, 1946-49
573W Cooperation, Water Resources Branch, base map, 1:125,000, Eastern Tennessee, 1949
Central Region, Chief Clerk, Fred. B. Bryant, 1947-53 (5 files)
Rocky Mountain Region Engineer, R. O. Davis, 1946-53 (14 files)
Rocky Mountain Region, Chief Clerk, 1948-53 (4 files)
Pacific Region Engineer, C. A. Ecklund, 1947-53 (20 files)
Pacific Region, Program plans, 1951, 1953
Pacific Region, Chief Clerk, 1947-53 (2 files)
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Bailey, Joe K. (Chattanooga, Tenn.) 1941-49
Burkland, Albert O. (Honolulu, Hawaii), 1921-32 (3 files)
Cooke, Charles E. (Austin, Tex., 1921-25
Davey, Charles H. (Chattanooga, Tenn.), 1935-36
Davidson, John I. (Chief, Tri-metropagan Section, Washington, D. C.), 1947-49
Davis, George R. (Sacramento, Calif.), 1921-22
Druhot, George S. (Honolulu, Hawaii), 1927-30 (2 files); the file includes correspondence with Albert O. Burkland
Ecklund, Conrad A. (Sacramento, Calif.), 1923-47 (7 files)
Fisher, Charles R. (Chattanooga, Tenn.), 1934-37 (2 files)
Gerdine, Thomas G. (Sacramento, Calif.), 1923-33 (5 files)
Gleissner, Max J. (Denver, Colo.), 1925-49
Groff, Jr., Fred (Denver Colo.), 1926-41 (5 files)
Griffin, William H. (various field offices), 1924-35
Groninger, John G. (Chattanooga, Tenn.), 1936-49
Harrison, John P. (Sacramento, Calif.), 1923-47
Herron, William H. (Urbana, Ill. and State Geological Survey), 1922-30
Hodgeson, Herbert H. (Sacramento, Calif.), 1924-45 (3 files)
Hughes, Frank W. (Urbana, Ill. and other field offices), 1922-47
Kelley, L. A. (Sacramento, Calif.), 1925-47 (5 files)
Kilmartin, Jerome O. (Puerto Rico), 1938-42 (2 files)
Lloyd, William J. (various field offices), 1918-38
Nelson, Clarence L. (Austin, Tex. and Board of Water Engineers), 1921-41 (4 files)
Nelson, Oscar H. (Detroit, Mich.), 1926-41 (2 files)
Pendleton, Thomas P. (Chattanooga, Tenn.), 1919-41 (8 files)
Pike, Albert (Island of Santo Domingo and various other field offices), 1919-46 (4 files)
Sadler, Carl L. (Central Division), 1938-48 (13 files)
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Army River Surveys, Acts, Instructions, etc., 1926-29
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Army Maps, "F", 1943-44
Army "France" Project, 1943-45
Army "Italy" Project, 1943-44
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Arizona, 1930
Ajo Mining District, Arizona, 1930-31
Globe #2, Arizona & Spencer Creek #4, Arizona, 1943-47
Camp Verde, Arizona, 1931
Chiricahua National Monument, Arizona, 1932-33
Water Resources Branch level line near Lodi, California, 1932
Papago Indian Reservation surveys, Arizona, 1932
Salt River Project, Arizona, 1931-33
Sitgraves National Forest, Arizona, 1931-32
Arkansas bauxite area; Little Rock area, 1944-45
Ozark National Forest, Arkansas, 1929-31
Kramer, California - Borax mines; Searles Lake Quadrangle, 1931-32
San Francisco-Oakland Metropolitan District, 1937-41
California Cooperation, 1931-44
Fallbrook Naval Ammunition Depot, California, 1941-47
Crucero Quadrangle, California, 1928-29
Hoaglin Quadrangle, 1929-32
Kettleman Hills, California Cooperation, 1930-31
Kings River, California, 1931
Pilliken Chromite District, Eldorado County, California, 1943-44
Los Angeles County, California Cooperation, 1927-47 (7 files)
U. S. District Engineer, San Francisco, California, 1930-31
State Engineer, California, Cooperation, 1929-31
White River, California, 1931-32
Yosemite National Park, California, 1931-32
Yreka Quadrangle, California, 1932
Colorado State contour map, 1930-32
Everglades National Park, Florida, 1935-36
Pensacola Naval Air Station, Florida, 1930-32
Florida District Engineer, 1928-34
Georgia District Engineer, 1929-32
Georgia, Possible Cooperation, 1932-33
Bay Horse Quadrangle, Idaho, 1927-29
Craters of the Moons National Monument, Idaho, 1930-32
Irwin Quadrangle, Idaho, 1929-32
Kootenai Project, Idaho, 1928-32
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Idaho, Possible Cooperation, 1931
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Illinois District Engineer, Sagamon River, 1928-33
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Kansas Cooperation and W. P. A., 1937-40
Geologic Branch and Navy Department, Radar Ground Control Stations, Texas and Louisiana;
    Shoran mapping equipment, 1946-47
Louisiana District Engineer, 1928
Maryland Unemployment Funds, 1933
Iron County, Michigan, 1943-47
Department of Justice, Washtenaw County, York Township, Michigan, 1931-32
Minnesota District Engineer, 1928-30
Bureau of Prisons, Sandstone, Minnesota, 1932-33
Minnesota National Guard, War Department, 1930
Roseau River, Minnesota, 1929-30
Minnesota, Possible Cooperation, Unemployment Funds, 1932-33
Mississippi District Engineer, 1928-31
Current River Power Company, Missouri, 1932-34
Seventh Corps Area, War Department, Ft. Leonard Wood, Missouri, 1940-41
Missouri District Engineer, 1928
Department of Justice, Prisons Bureau, Springfield, Missouri, 1931
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Pacific Division, General Plans, 1929-35 (2 files)
Lewisburg, Federal Prison Site, Pennsylvania, 1930-32
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Pittsburgh District Engineer, 1928
Rhode Island, Providence Engineering Society, 1933
Pine Ridge Indian Reservation, South Dakota, 1930-31
Rosebud Indian Agency, South Dakota, 1930
Lewisburg, Tennessee, U. S. Department of Agriculture, 1929-30
Tennessee Valley Authority, 1933-47 (6 files)
Tennessee Valley Authority, Map and Map Reproduction Specifications, 1938-40
Tennessee Valley Authority, Aerial Photography in the Tennessee River Basin, “Invitation to Bid, Schedule,
    Contract and Specifications,” 1936
Profile Tests of Multiples Mapping, Oswald Bald Quadrangle, Tennessee, 1937
Proposed Big Bend National Park, Texas, 1935-36
Dalles County, Texas, 1930
Bryce Canyon, Utah, 1929-32
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Fredericksburg and other battlefields, Virginia, 1931-32
Williamsburg, Virginia, 1931
Eatonville Quadrangle, Washington, 1930
Mt. Olympus, Aerial Photographs, 1929-36
Lower Columbia River Mapping, 1929-31
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Metaline Quadrangle, Washington, 1931-37
Subsistence Homesteads, Readsville, West Virginia, 1933-34
West Virginia District Engineer, 1929
Camp McCoy and Camp Williams, Wisconsin, 1930-32
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Zeiss Level and other Instruments, 1929
Talpa Quadrangle, New Mexico, 1931-32
North Carolina Cooperation, 1930
North Carolina District Engineer, 1928
North Carolina Unemployment Funds 1933
Fort Totten Indian Agency, North Dakota, 1930-31
Cincinnati District Engineer, 1928-29
Cleveland Engineering Society, Ohio, 1936
El Reno Reservation, Oklahoma, Department of Justice, 1931
Crater Lake National Park, Oregon, 1931
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Dayville Reservoir Site, Oregon, 1931
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Mississippi River Basin maps; Water Resources Committee Meetings, Omaha, Nebraska, 1946
Missouri River Basin, Bureau of Reclamation and other Bureaus, 1945-48
Missouri River Basin Correspondence, 1945-48 [alphabetically A-Z]
Swan River Project, Montana, 1943
Atlantic Division, Special Surveys for Navy Department, 1941-42
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Naval Oil Shale Reserves, Green River, Utah, 1945
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Anthracite Region, Pennsylvania, Bureau of Mines, 1945
Bureau of Reclamation Projects, Pacific Division, 1945-46
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Base Maps, Soil Survey Division, U. S. Engineers, 1932
River Basins, Central Division, U. S. Engineers, 1943-47
Willamette Valley, Oregon, U. S. Engineers, 1935
U. S. Engineers, Reservoir Requests, Pacific Division, 1945
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Elk Basin, Wyoming Project, 1943-45
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Willow Creek District, Wyoming, 1942-43
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Standard Map Scales for Metropolitan Districts, 1929-32
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Alaska work, Denver personnel, 1946-48
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Advertisements and contracts for aerial photography, New England south to Virginia, 1932-42
Selfridge Field Training Area - Detroit, Michigan and vicinity, 1930
Ely, Minnesota, Aerial Photographic Project, 1931-32
Jackson, Mississippi, Aerial Photographic Project, 1931
St. Louis, Missouri - aerial, 1932
Ozark Region, Missouri, aerial, 1935
Little Rocky Mountains Project, Montana, aerial, 1937-38
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Kankakee and Sangamon Rivers, Indiana and Illinois, aerial, 1928
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Kentucky Mammoth Cave National Park, Kentucky, aerial, 1930-31
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Ramapo Quadrangle, New Jersey, aerial photographs, 1935
Great Smoky Mountains National Park, 1929-32
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South Carolina, Mississippi, Georgia and Alabama, aerial 1934-38
Natural Bridge, Virginia, aerial, 1928-29
Shenandoah National Park, Virginia, aerial, 1928-30
Lynchburg and Monterey Quadrangles, Virginia, aerial, 1936-41
Lower Columbia River, aerial, 1929
Upper Columbia River, aerial, 1929-35
Metaline Zinc Area Project, Washington, 1944-47
Stereoscopic Mapping from the Air, script for sound on film (2 files)
Zeiss Film, "Aerotopography," script for sound track, 1940-41
Agfa-Ansco Corporation, aerochrome film, 1929-37
Aeronautical Chart Service, 1946-48
Department of Agriculture, Field Service Branch, 1946-47
Agricultural Adjustment Agency and Soil Conservation Service, 1936-46 (2 files)
Craftint Manufacturing Company, products, 1934
Soil Conservation Service, Virginia, aerial, 1936-41
National Park Service, 1938
Photo film and paper tests, Bureau of Standards, 1936-37, 1940
Building for multiplex equipment at Chattanooga, 1938-40
Multiplex equipment, Zeiss correspondence, 1929, 1934-36
Robinson Standard Aerial Surveys, Inc, Contracts, 1945-47
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Aerocartograph, miscellaneous, 1927
Aerocartograph, purchase, 1927-31
Air Corps, Hugershoff camera purchase, 1928-29
Air Coordination Committee, 1927
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Army Air Forces, 1939-47
Aero Service Corporation, 1942-47
Jack Ammann Photogrammetric Engineers, 1946-47
Estimates and Reports of Cost, aerial photographs, 1938-44
Lists of aerial photograph companies, ca. 1929, 1940
Camera, sereophoto equipment, Bagley Calculator, etc., 1940-44
Committee on Precision Cameras, American Society of Photogrammetry, 1938-39
U. S. Forest Service, 1936-45
Mark Hurd Mapping Company, 1947
Kargl Aerial Surveys, Inc., 1947
Park Aerial Surveys, Inc., 1946-47
Bureau of Reclamation, 1940-43
Air Corps, 1920-39, 1946 (3 files)
Bids, aerial photographs, 1928-31
Budget, aerial photographs, 1925-29
Comptroller, aerial photographs, 1928-30
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Corlett Patent, ca. 1919-30
Crampton, aerial photographs, 1928-29
Secretary of War, aerial photographs, 1925-32
Stereoplanigraph, Bushkill Quadrangle, tests, 1932-43
Bushkill, Pennsylvania and New Jersey, aerial, 1931-34
Curtiss-Wright Flying Service, 1931-32
Multiplex equipment, Fairchild Aerial Surveys, Inc., correspondence, 1937-47
Fairchild Aerial Surveys, Inc. (aerocartograph test), ca. 1929-33
Automatic signal lamps and lighters, 1929
Data, Photographic Mapping Section, 1930-31
Miscellaneous reports on aerial work, 1930-33
Forest Service, aerial photographs, 1928
Renting airplanes, 1929-30
Eastman Kodak Company, 1932
Bureau of Standards, test of film & paper, 1929-32
Abrams Instrument Company, Contour Finder, 1939-41
Patents, Photo Mapping Methods, Straight Line, Radial Line, etc., ca. 1931-41
Photo film and paper test, 1937-40
American Geographical Society, aerial maps, Aviation Map Conference, 1929
Vertical Reflecting Projector, 1937-41
Aerial Photography & Photogrametry Data, 1933-39
Stereoscopes, 1937-40
Geological Survey Multiplex Aero Project apparatus, an inventory, 1938
Multiplex correspondence, 1945-47
Pendleton multiplex correspondence, 1936-44 (4 files)
Aerial Mapping of Puerto Rico, 1940
Appendix 22

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* Indicates maps that appear on a staff-compiled item list but were not in the file when this inventory was compiled; oversized items are filed separately. The date indicates the year in which the edition of the maps was printed. The year usually appears in the title block. Dates taken from information shown elsewhere on the map are preceded by a “ca.” for circa.

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Mesa Verde National Park

Mesa Verde National Park (panoramic)

Mesa Verde National Park

Mexican Springs Area

Miami Copper Belt

Miami Copper Belt

Mississippi River Valley (below Dubuque, Iowa)

Mohave City

Mono Lake and Vicinity

Mono Lake and Vicinity

Moon Mountain

Morristown National Historical Park

Mount Baker

Mount Hood and Vicinity

Mount Hood and Vicinity

Mount McKinley

Mount McKinley

Mount Rainier

Mount Rainier

Mount Rainier

Mount Rainier

Mount Rainier

Mount Rainier

Mount Rainier

Mount Rainier

Mount Rainier

Mount Rainier

Mount Washington and Vicinity

Mullen and Vicinity

Mullen and Vicinity

National Bison Range

National Bison Range

National Bison Range

Naval Petroleum Reserve No. 1

Naval Petroleum Reserve No. 1

Nevada City

New Jersey Coast (4 sheets)

New Mexico, South Eastern

New Mexico, South Eastern

New Mexico, South Eastern

Niagara Falls

Niagara Falls

Niagara River and Vicinity

Niagara River and Vicinity

Nisqually Glacier

Nisqually Glacier

Nisqually Glacier

Nisqually Glacier

Oahu (Island)

Oatman District

Ogema

Oil Center

Oil Center (South Sheet)

Old Dominion

Old Dominion

Olympic National Park and Vicinity

Oscar Heinrich Park

Oscar Heinrich Park

Oscar Heinrich Park

Oscar Heinrich Park
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  Field Equipment, Topographic Division, and Information Officer; and miscellaneous letters from
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  (1 file and 2 booklets)
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Special projects - 1/1:000,000 scale maps; public works; Great Smoky Mountains National Park;
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"American Highways", October 1952 issue
Special projects - Missouri River Basin, 1946-50
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Budget pamphlets, ca. 1948
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Budget - analysis of obligations, 1953-55
Budget - regional costs (includes direct and indirect costs); and procedures for programming and coordination of
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"Guinea Pig" letter, 1944 [natural resources of Wyoming]
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Manuscript of Inventory of “Unpublished Hydrologic Data,” Holland & Jarvis, USGS Water-Supply Paper 837
[1938], n.d.
"Marshall Plan" for investigating the water resources of California, 1921
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   Greetings to field staff, 1942
   History of Water Resources Branch, 1938
   Holidays, 1938-49
Hours of work, 1936-55
Hydrologic investigations, 1940-48
Hydrologic symbols and glossary, 1932-33
Ice computations, 1941
Leave, 1926-52
Long-distance telephone calls, 1939-42
Low dams, 1939
Material, equipment and supplies, 1942
Memoranda for District Clerks, 1933
Miscellaneous information, 1920-50
National Emergency Council, 1938
New River Decision, 1940-41
Pamphlets, 1929-40
Personal telephone calls, 1932
Plans and specifications, 1928-38
Political activity, 1939-40
Pollution - investigation, 1947
Rainfall runoff, 1934-35
Receipt of orders, 1933-37
Reservoir inventory, 1947
Reservoir sites, 1937-38
Reservoir surveys, 1948
Retirement, 1927-52
Salvage campaign, 1944-45
Slope studies, 1932-40
Surface and ground water conditions, 1933-41
Surface water bibliography, 1932
Survey activities, 1938-46
Time, 1942-45
Typewriter service in D. C., 1934-35
Typewriters, 1942-50
Unpublished hydrologic data, 1936
War Savings Bond Campaign, 1941-46
Work for other Federal agencies, 1937-48
Work Progress Administration, 1935-38

GROUND WATER DIVERSION
Quality of ground water, 1946
The technical work of the division, 1945-46

HIGHWAY PROGRAM, 1946

HYDROLOGIC DATA
Basic-data program, 1950-51
Centralized data repositories, 1947
Interagency coordination of drainage area data, 1952
Subcommittee, 1945-49
Water Resources Policy Commission, 1950

INFORMATION DIGEST, 1952

INSIDE INTERIOR, 1944-50

LAWS, 1946-47
LECTURES
Illustrative material, 1939-40

LEVELING DATA
U.S. Coast and Geodetic Survey, 1943

MANAGEMENT IMPROVEMENT, 1950

NATIONAL HYDRAULIC LABORATORY
Artificial controls, 1934
Current-meter performance, 1936-37
General, 1937
Intakes, 1936

NATIONAL RESOURCES PLANNING BOARD
General, 1934-41

OFFICE MANUAL
Analysis, computation, and publication of streamflow records, 1945
General, 1924-34
Handbook for Hydrologists, 1947

ORGANIZATION
Water Resources Branch, 1948-56

ORGANIZATION AND PERSONNEL DIRECTORY, 1952

OVERTIME
Compensation, 1942-45

PATENTS, 1930-47

PERSONNEL
Alaska, 1948
General, 1927-53

PHOTOGRAPHS
General, 1933-50

POLICY - COOPERATIVE RELATIONS, 1948-52

POST-WAR PLANS, 1944

PROPERTY
Conservation, 1942-48
(Survey) - Duplicating machines, 1946
Lists, 1928-48
Procedures, 1951-52
Safeguarding, 1941-43

PUBLICATIONS
Cooperative ground water, 1943
General, 1921-53
Survey, 1923-52
PUBLIC WORKS
  Appropriations and Allotments, 1933-38
  Employment, 1933-38
  Fiscal procedures and employment, 1938
  General, 1933-39
  Ledger sheets, 1934
  Reports, 1933-39

PURCHASES
  Federal Prison Industries, Inc., 1945-49
  General, 1935-51
  Negotiation of, 1945
  Office machines, 1942
  Priorities, 1941-51
  Procurement Division Centers, 1945-50

RECORDS
  General, 1948
  Maximum-Discharge Files, 1941
  Protection, 1951

REPORTS
  Annual, 1919-47
  Annual Stream Flow, 1922-48
  Developed Water-power, 1920-40
  Drought, 1930-37
  Federal Employment Stabilization Board, 1935
  Flood, 1924-44
  Gaging-station records for Washington Office, 1940-46
  General, 1928-53
  Ground Water, 1942-48
  Index of river-measurement stations, 1946
  Information relating to National Defense, 1940
  Mail matter, 1939-53
  Manuscript for annual reports on surface-water supply, 1940-46
  Monthly, 1919-43
  Oklahoma water, 1945
  Overtime work, 1936
  Quarterly (SW Branch), 1948-50
  Requests for data, 1951-52
  Review of Quality of Water Branch field offices, 1949
  Sediment, 1943-52
  Temporary employees, 1925-50
  Time (Form 9-1106), 1942-47
  War Service, 1943-45
  Water-quality inventory, 1948-49

REPRODUCTIONS
  General, 1937-38
  Photoflur plate, 1933
REQUISITIONS
   Equipment, 1930
   Forms, 1930-40
   General, 1935-52

RESEARCH
   Techniques, principles, and equipment, 1950-51

SEDIMENT SAMPLING
   Equipment, technique, and publications, 1944-48

SHIPPING
   Bills of lading, 1926-50
   Motor transport, 1938

SOIL AND MOISTURE CONSERVATION
   Survey activities, 1941

SPACE
   Building, 1941-52

SPECIFICATIONS
   General, 1938-43

STATIONERY
   Requisitions, 1928-50

STREAMFLOW MEASUREMENTS
   Discharge measurements, 1948
   Discharge measurements by wading, 1941
   Methods of computation, 1950

SURVEY ACTIVITIES
   General, 1938-41

TAX
   Federal, 1935-50
   General, 1931-51
   State, local, etc., 1926-45
   Telephone, 1932

TELEGRAMS
   Instructions, 1922-50

TEMPERATURE
   Surface water, 1948-49

TOPOGRAPHIC BRANCH
   Level and transit data, 1946-50

TOPOGRAPHIC DIVISION
   Mapping, 1949
TOPOGRAPHIC MAPS
   Information folders, 1948-53

TRAVEL
   Advance of funds, 1928-42
   Authorizations, 1927-52
   General, 1923-53
   Regulations, 1932-47
   Subsistence, 1922-53
   Transportation requests, 1920-50

UNPUBLISHED INFORMATION
   Ground-water open files, 1943-51

VOUCHERS
   Adjustment, 1943-48
   Expense, 1923-48
   General, 1921-48
   Payroll, 1923-50
   Purchase, 1924-47

WAR PRODUCTION BOARD
   Pig-iron Survey, 1942

WAR SERVICE
   Summary, 1941-45
   Water-level and pump surveys, 1943

WATER FACTS
   Oklahoma, 1945

WATER RESOURCES ACTIVITIES, 1948

WATER RESOURCES COMMITTEE, 1944-46

WATER RESOURCES REVIEW, 1942-47

WATER UTILIZATION STUDIES, 1950-53

WEATHER BUREAU
   General, 1936-41
   Public Works, 1933-34

WELLS
   Designation, 1944
Appendix 26

Water Resources Division - Administrative Orders, Circulars, and Memorandums, 1915-55 (entry 416)

Budget and Finance Officer, 1949-53 (2 files)
Chief Clerk, Interior Department, 1928-53
Director of Personnel, 1946-53
Duplicating Section, Interior Department, 1951-53
Fair Employment Practices, 1948-52
Information Director, 1951-53
Memorandums to Division and Branch Chiefs, 1949-52 (2 files)
Memorandums to Divisions and Branches, 1953
Memorandums to employees, 1948-53
Memorandums to field offices, 1948-53
Memorandums for the files, 1949-53
Memorandums to the Guard Office, 1948-53
Memorandums to heads of bureaus and offices, 1947-50
Memorandums to heads of bureaus and offices, 1950-53 (2 files)
Memorandums for the record, 1948-53
Memorandums for Surface Water field offices, 1948-52
Miscellaneous Service Division, 1949-53
Orders - Departmental, 1946-53 (2 files)
Orders - Executive, 1924-52
Secretary of the Interior, 1949-53
Solicitor, 1952
Accounts Division, 1948-53 (4 files)
Acquisition of lands, or interests in lands by the Geological Survey, 1941-49
Administrative Circulars, 1951-53 (2 files)
Administrative Digest, 1952-53
Administrative Officer, 1952-53
Alaskan Investigations, 1948-53 (2 files)
Alaska Territory, 1948-53
Branch of Service and Supply, 1950-53
Budget Officer, 1921-53 (2 files)
Chief - Business and Clerical Section, 1948-52
Chief Counsel, Geological Survey, 1949-53 (2 files)
Chief, General Services Section, 1952-53
Chief, Surface Water Branch, 1952-53 (2 files)
Chief, Water Resources Division, 1949-55 (2 files)
Columbus Equipment Development Laboratory, 1949-52 (5 files)
Columbus Equipment Laboratory, 1951-53 (3 files)
Conservation Branch, 1949-52
Correspondence and Record Section, 1949-51
Director, 1949-52 (8 files)
Division of Distribution, 1922-52
Division Procedure, 1931-50 (2 files)
Esso Standard Oil Company, 1951-54
Executive Officer, 1949-53 (4 files)
Field Equipment Division, 1949
Fiscal Management, 1948-53
Fiscal Officer, Chief, 1948-52
Geologic Branch (Chief Geologist), 1949-53
Gulf Oil Corporation, 1951-54
Information, Office of, 1949-53
Library, 1949-52
Map Information, 1941-53
Map Information, 1949-51
Map Reproduction, 1930-53
Orders - Survey, 1915-53 (2 files)
Personnel Announcements, 1950-53
Personnel Branch (Employment and Record Section), 1949-53
Personnel Officer, 1949-53 (3 files)
Personnel Unit, 1949-52
Photographic Laboratory, 1949
Placement Assistant, 1951-53
President's Materials Policy Commission, 1950-51
Program for the Pacific Northwest, 1950 (bound booklet)
Program Control, 1951-53
Property Maintenance Section, 1949-53
Publication Section, 1949-53
Purchasing Officer, 1949-53
Records Management Officer, 1952
Section of Texts, 1919-53
Staff Geologist, 1949-53
Staff Officer, 1948-51
Staff Scientist (Pacific Northwest), 1950-53 (2 files)
Standard Oil Company, 1936-52
Topographic Division, Chief of, 1949-53
Water Resources Policy Commission, 1950-52 (4 files)
Appendix 27

Water Resources Division - Correspondence Concerning District Engineers and Other Division Employees, 1908-57 (entry 433)

The position titles shown reflect the highest promotion or last duty station of the employee. Many employees, especially district engineers, served in other positions and at other duty stations.

Adams, Robert W. (Engineer in Charge of Ground Water Investigations in Mississippi), 1941-46
Andrews, Grace C. (Secretary), 1955-57
Armentrout, Warren R. (Engineering Aid), 1941-46
Armstrong, Wallace (Hydraulic Engineer), 1931-51
Aronow, Saul (Geologist), 1947-54
Austin, Verle L. (Hydraulic Engineer), 1933-53
Bach, W. Kenneth (Hydraulic Engineer), 1938-54
Baldwin, G. Clyde. (District Engineer, Idaho Falls, Idaho), 1911-1928 (2 files)
Ballard, Howard A. (Engineering Aid), 1941-53
Barber, DeLoss H. (District Engineer, Montgomery, Ala.), 1924-53 (4 files)
Barksdale, Henry C. (Assistant Hydraulic Engineer, Trenton, N.J.; later New Jersey Department of Conservation and Development), 1923-29
Barrows, Edgar L. (Hydraulic Engineer), 1931-55
Batchelder, Ronald B., 1957 [1 page]
Batchelder, Charles L. (District Engineer, St. Paul, Minn.), 1918-39 (2 files)
Baumgartner, John A. (Assistant Engineer), 1923-30
Beardin, Hubert W. (Engineering Aid), 1942-49
Beckman, Henry C. (District Engineer, Rolla, Mo.), 1916-44 (7 files)
Beeler, Robert H. (Engineering Aid), 1949-56
Bell, Francis M. (District Engineer, Atlanta, Ga. and Chattanooga, Tenn.), 1928-38, 1941-45 (3 files)
Berkenbosch, John C., (Hydraulic Engineer), 1934-55
Bigwood, Burke L. (District Engineer, Hartford, Conn.), 1919-44 (3 files)
Bishop, Ernest W. (Geologist), 1949-55
Bolon, Harry C. (Associate Hydraulic Engineer), 1929-40
Booz, Gordon D. (Hydraulic Engineer), 1952-57
Boyer, Marion C. (Hydraulic Engineer), 1928-54
Brandvold, Glen E. (Engineering Aid), 1950-55
Brushears, Maurice L. (Geologist), 1936-52
Bratschi, William G. (Hydraulic Engineer), 1933-57
Briggs, Revoe C. (Hydraulic Engineer), 1924-47, 1949-56
Broadhurst, William L. (Geologist), 1942-53
Buchanan, Agnes D. (Administrative Assistant), 1922-55
Burchard, Edwin D. (District Engineer, Asheville, N.C.), 1919-49 (6 files)
Burnham, Willis L. (Geologist), 1952-57
Burt, Edward Mead (Geologist), 1951-55
Butler, Stanley S. (Hydraulic Engineer), 1940-55
Canfield, George H. (District Engineer, Portland, Oreg.), 1915-49 (5 files and loose material)
Cardwell, William D. E. (Geologist), 1950-56
Carson, Max H. (District Engineer, Honolulu, Hawaii), 1917-45 (4 files)
Christopher, Fritz C. (District Engineer, Madison, Wis.), 1923-54 (4 files)
Corbett, Don M. (District Engineer, Indianapolis, Ind.), 1923-44 (3 files)
Covert, Clermont C. (District Engineer, Albany, N.Y.), 1911-26 (3 files)
Crandall, Lynn (District Engineer, Idaho Falls, Idaho) 1916-44 (2 files)
Crawford, Lawrence C. (District Engineer, Iowa City, Iowa), 1940-44 (3 files)
Currier, Wayne A. (Engineering Aid, Albany District), 1942-45
Cutter, Russell C. (Engineer Aid, Boston, Mass.), 1945-46
Dale, Bertha K. (Engineer Draftsman), 1943-46
Daue, Oskar T. (Hydraulic Engineer, Portland, Oreg.), 1942-46
Davies, David, L., Jr. (Hydraulic Engineer, Jackson, Miss.), 1939-46
Davis, J. D. (Assistant Engineer, Oklahoma City, Okla.), 1944-47
Davis, Thenton L. (Hydrographic Engineer, Atlanta, Ga.), 1943-46
Dickinson, William E. (District Engineer, Tucson, Ariz.; Hydraulic Engineer, Los Angeles, Calif.), 1916-40
(Dirkzulaitis, Joseph J., (Dual Appointment: District Engineer, University, Va., and Chief Engineer, State Conservation and Development Commission, Va.) (8 files)
Ebert, Fred C. (Hydraulic Engineer, Los Angeles, Calif.), 1914-43 (2 files)
Eisenlohr, William S., Jr. (Junior Engineer, Virginia District), 1928-29
Ellsworth, Clarence E. (District Engineer, Austin, Tex.), 1908-53 (9 files)
Emerson, Charles J. (Associate Engineer, San Francisco, Calif.), 1916-46
Erskine, Harlan M. (District Engineer, Charleston, W. Va.; Engineer in Charge, Pittsburgh, Pa.), 1940-44
Eysterly, Nellie L. (Administrative Assistant), 1931-55
Ferguson, George E. (District Engineer, Ocala, Fla.), 1928-44 (2 files)
Fiedler, Albert G. (Associate Engineer, Roswell, N. Mex.; Engineer, Minneapolis, Minn.), 1918-29 (2 files)
Follansbee, Robert, (District Engineer, Denver, Colo.), 1909-49 (11 files)
Gardiner, John H. (District Engineer, Fort Smith, Ark. and Tucson, Ariz.), 1921-40 (6 files)
Godwin, Albert B. (Junior Engineer, Austin, Tex.), 1929
Gray, Glenn A. (District Engineer, Austin, Tex.), 1913-18
Grobach, Homer E. (District Engineer, Indianapolis, Ind., and Chicago, Ill.), 1920-43 (6 files)
Grover, Nathan C. (Chief Hydraulic Engineer, USGS), 1913-39 (2 files)
Hagensen, Philip (Junior Hydraulic Engineer). 1941-48
Hall, Warren E. (District Engineer, Asheville, N.C.), 1910-36 (2 files)
Harrington, Arthur W. (District Engineer, Albany, N.Y.), 1917-44 (8 files)
Henshaw, Fred F. (District Engineer, Portland, Oreg.), 1911-29 (3 files)
Hickerson, Homer C. (Junior Engineer, Louisville, Ky.), 1943-45
Hill, Henry F. (Assistant to the Chief Hydraulic Engineer, Boston, Mass.), 1922-46 (2 files)
Hoff, Joseph C. (Junior Clerk, St. Paul, Minn.), 1939-42
Horton, Albert H. (District Engineer, Newport, Ky., and Middle Atlantic States District, College Park, Md.; Chief, Division of Power Resources), 1911-45 (2 files)
Hoyt, John C. (Chief, Division of Surface Waters; Hydraulic Engineer), 1911-44 (3 files)
Hoyt, William G. (District Engineer, Upper Mississippi District, Madison, Wis.), 1911-32, 1934-50
(3 files and loose material)
Johnson, Berkeley (District Engineer, Lansing, Mich. and Santa Fe, N. Mex.), 1921-44 (7 files)
Jones, Edward E. (Associate Hydraulic Engineer, Tacoma, Wash.), 1919-31 (3 files)
Kaplan, Albert Bernard (Hydraulic Engineer), 1945-46
Karably, Louis S. (Geologist), 1946
Kasel, Rudolph G. (District Engineer, Iowa City, Iowa; Chief, Division of Surface Water), 1923-47 (7 files)
Kasner, Charlotte F. (Scientific Aid), 1943-46
Kessner, William (District Engineer, Charleston, W. Va.), 1929-41 (6 files)
King, W. R. (District Engineer, Chattanooga, Tenn.), 1915-35 (5 files)
Kinnison, Harvey B. (District Engineer, Boston, Mass.), 1918-44 (8 files)
Kremsky, Meyer (Hydraulic Engineer), 1937-46
Kunesh, Joseph F. (Port au Prince, Haiti; and District Engineer, Honolulu, Hawaii), 1916-48 (4 files)
Lamb, William A. (District Engineer, Helena, Mont.), 1911-38 (5 files and loose material)
Lamson, John L. (Associate Engineer), 1920-33
LaRue, Eugene C. (Hydraulic Engineer, Salt Lake City, Utah; and Portland, Oreg.), 1912-48 (10 files); correspondence, notes, and draft reports of work for the Land Classification Board and other investigations, 1915-23 (7 bundles)
Lee, Lasley (District Engineer, Columbus, Ohio), 1921-38 (6 files and loose material)
Lewis, Douglas D. (Junior Engineer, Tucson, Ariz.; Acting District Engineer, Lincoln, Nebr.), 1929-33, 1941-44 (2 files)
Mangan, John W. (District Engineer, Harrisburg, Pa.), 1923-44 (7 files)
McCashin, Clarance E. (District Engineer, Montgomery, Ala.; and Chattanooga, Tenn.), 1918-41 (7 files)
McGlashan, Harry D. (District Engineer, San Francisco, Calif.), 1911-44 (10 files); correspondence, memorandums, and telegrams regarding Fowler's plan (Forest Service) on investigating water-power resources, 1921 (1 file)
Meinzer, Oscar E. (Geologist in Charge, Division of Ground Water), 1915-40 (3 files)
Morgan, J. Holloway (District Engineer, Chicago, Ill.; District Engineer, Urbana, Ill.), 1916-43 (7 files)
Murphy, Edward C. (Hydraulic Engineer, Napa, Calif.), 1914-35 (3 files)
Newell, Thomas R. (District Engineer, Boise, Idaho), 1917-44 (6 files)
Osborne, Cecil J. (Junior Engineer, Denver, Colo.), 1938-46
Parker, Glenn L. (District Engineer, Tacoma, Wash.; Chief, Water Resources Branch), 1913-47 (11 files and loose materials)
Parker, Gordon E. (Junior Engineer, Indianapolis, Ind.), 1941
Parker, Philip S. (Junior Engineer, Denver, Colo.) 1923
Parkinson, Clyde P. (Assistant Engineer, Albany, N.Y.), 1936-47
Parsons, Charles C. (PWA Forman, Tacoma, Wash.), 1934-35
Parsons, Edwin D. (Junior Chemist, Roswell, N. Mex.), 1939-42
Parsons, Jacqueline F. (Clerk-Stenographer, Stafford, Ariz.), 1944-45
Parsons, Walter, J., JR. (Junior Engineer, Madison, Wis.; Helena, Mont.), 1926-30
Pashby, Gene E. (Engineering Aid, Pierre, S. Dak.), 1948
Patch, Mrs. Winifred Graham (Clerk-Stenographer, Tucson, Ariz.; Washington, D.C.), 1936-39
Patterson, Viola Ann (Temporary Stenographer, Columbus, Ohio), 1930
Paul, Duane Myron (Junior Hydraulic Engineer, Harrisburg, Pa.), 1934-39
Paul, Edith (Clerk), 1918-19
Paulsen, Carl G. (District Engineer, Boise, Idaho; Assistant Chief Hydraulic Engineer), 1918-46 (7 files)
Paulsen, Wesley W. (Junior Geologist, Long Beach, Calif.), 1942-46
Pease, Russell S. (Junior Engineer, Boston, Mass.), 1938-39
Pellen, Goree M. (Assistant Clerk-Stenographer, Washington, D.C.), 1938-43
Pentz, Mervin A. (Assistant Geologist), 1933-36
Pepper, Jack W. (Hydraulic Engineer, Ocala, Fla.), 1939-46
Perrin, Charlotte (Steno, Indianapolis, Ind.), 1930-34
Perrin, William W. (Junior Engineer, Columbus, Ohio), 1922-24
Perry, Grace V. (Regarding an interview), 1931
Perrey, Joseph I. (Assistant Engineer, Columbus, Ohio), 1927-29
Peters, Harry S. (Junior Engineer, Topeka, Kans.), 1934-35
Peters, Ronald H. (PWA Application), 1936
Peterson, Dean F. (Junior Hydraulic Engineer, Salt Lake City, Utah), 1938-39
Petmecky, Mrs. Margaret K. (Clerk-Stenographer, Austin, Tex.), 1940-45
Petretic, George J. (Junior Chemist), 1936, 1942
Peyton, Jean (Clerk-Stenographer, Charlottesville, Va.), 1943-44
Peyton, Wythe M, Jr. (Junior Engineer, Asheville, N.C.), 1934-35
Pfarrner, Chester W. (Junior Hydraulic Engineer, Albany, N.Y.), 1936
Phelps, Leonard C. (Junior Engineering Aide, Long Beach, Calif.), 1941-42
Philbin, Patrick (Skilled Laborer, Columbia River at the International Boundary), 1938-39
Phillips, E. L., 1931
Phillips, Jean F. (Junior Engineering Aid, Portland, Oreg.), 1943-44
Phillips, Kenneth N. (Associate Engineer, Portland, Oreg.), 1920-30
Pickens, William G. (Scientific Aid, Albuquerque, N. Mex.), 1948
Pickop, Edwin M. (Junior Engineer, Hawaiian District), 1920-22
Pierce, Charles H. (District Engineer, Boston, Mass.), 1917-31 (2 files)
Pierce, William G. (Junior Hydraulic Engineer), 1933-34
Pierce, William M. (Junior Hydraulic Engineer, Rolla, Mo.), 1939-43
Pihlstrom, C. H. Dale (Junior Hydraulic Engineer, St. Paul, Minn.), 1942-45
Pinkney, Harold W. (Junior Engineer, Fort Smith, Ark.) 1934-36
Piper, Arthur M. (Assistant Geologist, Pittsburgh, Pa.), 1925-27
Pipkin, James D. (Junior Engineer, Fort Smith, Ark.), 1939-46
Platt, William T. (Chemist), 1946
Plesce, Anthony J. (Junior Clerk-Stenographer), 1942
Plunkett, John (Claim against U.S. for loss of horse), 1931
Plusnin, Basil A. (Junior Hydraulic Engineer, Albany, N.Y.), 1942-44
Podgorski, Edward J. (Geologist, Albany, N.Y.), 1945-46
Pogue, Richard W., 1930-31
Pole, M. Charlotte (Clerk-Stenographer, Baton Rouge, La.), 1942-44
Pool, Doris (Clerk-Stenographer, University, Ala.), 1942-43
Poor, Ernest R. (Re: Appointment), 1946
Porter, E. A. (District Engineer, Salt Lake City, Utah), 1911-15
Porteous, Lewis G. (Re: Appointment), 1941
Porter, Charles W. (Engineer Aid, Tucson, Ariz.), 1945
Porter, Livingston, Jr., (Geologist, Santa Barbara, Calif.), 1942-46
Poss, Robert J. (Re: Appointment), 1930
Post, Arthur L. (Hydraulic Engineer, Rolla, Mo.), 1939-45
Post, Edward (Junior Engineer, Helena, Mont.), 1930-43
Potter, Frances (Temp, Clerk-Stenographer, Albuquerque, N. Mex.), 1937
Powell, Morrel A. (Junior Classifier), 1917-45
Powell, Ralph W. (Assistant Hydraulic Engineer, Columbus, Ohio), 1937-38
Powers, Howard A. (Geologist, Maui, Hawaii), 1932-34
Pratt, Mrs. Genevieve (Assistant Clerk-Stenographer, Salt Lake City, Utah), 1927
Pratt, Joseph Hyde (Engineer Consultant), 1938-41
Pratt, Oliver Lauren (Junior Engineer, Austin, Tex.), 1939-40
Price, Herman S. (Assistant Engineer, Helena, Mont.), 1919-21
Price, Jerome L. (Junior Engineering Aide, Baton Rouge, La.), 1942-43
Price, W. L. (Foreman, Ocala, Fla.), 1933-34
Prince, A. H. (Observer), 1930-36
Pringle, Thomas B. (Junior Engineer, South Charleston, W. Va.), 1933-34
Prior, Charles H. (Junior Engineer, Chattanooga, Tenn.), 1928
Pritchett, Henry C. (Assistant Engineer, Tucson, Ariz.), 1923-30
Prock, George D. (Junior Engineer, Austin, Tex.), 1941-42
Puffer, Charles G. (Field Assistant, Ariz.), 1918
Purton, Astley B. (District Engineer, Salt Lake City, Utah), 1917-42 (7 files)
Putz, Claire E. (Re Employment), 1928
Radack, Stanley B. (Geologist, Miami, Fla.), 1943-45
Radka, Lawrence E. (Re: Appointment), 1936
Rae, Mrs. Esther D. (Clerk-Stenographer, Denver, Colo.), 1919-21
Ramsey, Mrs. Marie T. (Clerk-Stenographer, Rolla, Mo.), 1936-42
Randall, Richard V. (Engineering Aide, Williston, N. Dak.), 1946
Randolph, Burr H. (Hydraulic Engineer, Iowa City, Iowa), 1939-46
Randolph, Mrs. Nora A. (Junior Clerk, Roswell, N. Mex.), 1928
Rano, Filamena C. (Junior Clerk-Stenographer, St. Paul, Minn.), 1940-43
Rarey, Nellouise (Clerk-Stenographer, Washington, D.C.), 1935
Raspet, Rudolph (Recorder, Hawaii), 1938-39
Rasmussen, Nels R. (Engineering Aid, Lansing, Mich.), 1947-48
Rau, Paul W., Jr. (Re: Appointment), 1941
Rauworth, Elizabeth B. (Re Appointment), 1933
Ray, Mrs. June F. (Junior Clerk-Stenographer, Savannah, Ga.), 1937-39
Ray, Mrs. Marina B. (Junior Clerk-Stenographer, Columbia, S.C.), 1936-39
Read, Robert B. (Re Appointment) 1942
Reams, Sanford N. (Junior Engineer, Columbus, Ohio), 1934-35
Reed, Clarence R. (Junior Engineer, San Francisco, Calif.), 1928-29
Reed, Fred D. (Hydraulic Engineer, Denver, Colo.), 1936-39
Reed, Jim (Re: Appointment), 1931
Rehm, Wilda (Clerk-Stenographer, Tacoma, Wash.), 1943
Reichman, Mrs. Stella (Temporary Clerk, Salt Lake City, Utah), 1927
Reeves, Max D. (Junior Chemist), 1936-41
Reid, Harold Victor (Engineering Draftsman, Miami, Fla.), 1944
Reid, Margaret, A. (Junior Clerk-Stenographer, Albany, N.Y.), 1930
Reinhardt, Charles Orville (Re Appointment), 1939
Reinheimer, Herbert S. (Junior Engineering Aide, University, Miss.), 1941-42
Reker, Carl C. (Junior Geologist, Tallahassee, Fla.), 1942-46
Remington, Robert H. (Junior Engineer, Honolulu, Hawaii), 1920
Renick, B. Coleman (Assistant Geologist), 1923-27 (2 files)
Rice, Edward B. (District Engineer, Baton Rouge, La.), 1929-44
Rice, Roger C. (District Engineer, Tucson, Ariz.), 1916-23 (3 files)
Rupp, Vernon W. (Assistant Hydraulic Engineer, Asheville, N. C.), 1928-40 (2 files)
Saunders, John I. (District Engineer, Fort Smith, Ark.), 1924-44 (3 files)
Saville, Thorndike (Professor of Hydraulic and Sanitary Engineering; Dean, College of Engineering, New York University; Chief Engineer, Department of Conservation and Development, Chapel Hill, N.C.), 1924-38 (3 files and loose material)
Schrader, Floyd F. (Junior Engineer, University, Va.), 1929-31
Schumacher, K. Fritz (Re: Appointment), 1929
Smith, G. E. P. (Professor of Irrigation Engineering, University of Arizona), 1917-29
Snowden, James R. (Engineering Aid, Rolla, Mo.), 1942-44
Soule, Stephen B. (District Engineer, Madison, Wis.), 1920-38 (4 files)
Speer, Paul R. (District Engineer, St. Paul Minn.), 1926-29, 1932-36, 1939-44 (5 files)
Speigel, Jacob B. (District Engineer, Tokeka, Kansas), 1915-45 (8 files)
Stackpole, M. Reginald (District Engineer, Augusta, Maine), 1917-44 (3 files)
Stearns, Harold T. (Associate Geologist, and Senior Geologist, Honolulu, Hawaii), 1920-47, 1949 (5 files and loose material)
Sundstrom, Raymond W. (Re: Appointment), 1928
Tiencken, Wilfred P. (Junior Engineer, Indianapolis, Ind.), 1934-37
Thompson, David G. (Senior Geologist, Trenton, N. J.), 1917-27, 1931-43 (5 files)
Thomson, Medford T. (District Engineer, Atlanta, Ga.), 1939-44 (2 files)
Toth, Albert S. (Deferment File), 1943-44
Tuttle, Alonzo H. (District Engineer, Helena, Mont.), 1918-35, 1938-44 (4 files)
Twitchell, Trigg (Associate Engineer, Austin, Tex.), 1922-30
Veatch, Fred M. (Associate Engineer, Boise, Idaho; Hydraulic Engineer, St. Louis, Mo.; District Engineer, Louisville, Ky. and Tacoma, Wash.), 1923-32, 1934-45 (8 files and loose material)
Wallace, Donald S. (District Engineer, Ocala, Fla., and Charlottesville, Va.), 1921-44 (6 files)
Waring, Gerald A. (Associate Geologist, Calif.), 1915-19, 1943 (1 file)
Wayne [formerly Wasylkiw], Myron A. (Hydraulic Engineer, Charleston, W. Va.), 1940-47 (2 files)
Wells, Joseph V. B. (District Engineer, Louisville, Ky.), 1929-37, 1940-44 (3 files and loose material)
White, Walter N. (Associate Hydraulic Engineer, Milford, Utah), 1925-27
Wizaeck, Mrs. Gladys Moses (Clerk-Stenographer, Middle Atlantic District), 1935-39
Widman, Mrs. Elizabeth A. (Engineering Aide, Lansing, Mich.), 1942-46
Wiiitala, Sulo W. (Junior Engineer, Indianapolis, Ind.), 1940-46 (2 files)
Wiggins, Wilford C. (Junior Engineer), 1923-26
Wilcomb, Carroll F. (Assistant Hydraulic Engineer, Logan, Utah), 1945-46
Wilder, David S. (Junior Hydraulic Engineer, Rolla, Mo.), 1938-41
Wildman, John P. (Junior Engineer, Asheville, N.C.), 1930
Wile, Ruth H. (Clerk-Stenographer, College Park, Md.), 1944-45
Wiles, Ernest G. (Re: Appointment), 1934
Wiley, Harry R. (Junior Engineer, South Charleston, W. Va.), 1934-35
Wilkinson, Marvin A. (Engineering Aide, Rolla, Mo.), 1946
Williams, Adrain H. (Junior Engineer, Tucson, Ariz.), 1927-29
Williams, David C. (Junior Hydraulic Engineer, Columbus, Ohio), 1938-43
Williams, H. T. (Re: Appointment), 1930
Williams, H. V. (Forman), 1934
Williams, M. Dean (Re: Appointment), 1943
Williams, W. Robert (Junior Engineer), 1938-46
Williams, Evelyn Caroline (Engineering Aide, Chattanooga, Tenn.), 1943-44
Williams, Gordon R. (Associate Hydraulic Engineer), 1930-41
Williams, Kenneth T. (Junior Chemist), 1929-33
Willis, Ernest L., Jr. (Junior Hydraulic Engineer, Austin, Tex.), 1938-41
Willman, Mrs. Lucy Mae (Junior Clerk, Asheville, N.C.), 1928-29
Wilson, Mrs. Edith C. (Junior Clerk-Stenographer, University, Miss.), 1940-42
Wilson, Mrs. Ruth (Clerk-Stenographer, Lawrence, Kans.), 1939-42
Wiltshire, Lucie M. (Copist), 1919-21
Wingate, Katherine A. (Junior Clerk-Stenographer), 1931-33
Winslow, Allen G. (Junior Hydraulic Engineer, Tucson, Ariz.), 1942
Wither, Warren (Hydraulic Engineer, Chattanooga, Tenn.), 1920-38 (2 files)
Witt, Philip A. (Junior Chemist, Austin, Tex.), 1942-43
Witte, Herbert Walter (Re: Appointment), 1938-39
Witter, Joan S. (Clerk-Stenographer, Washington, D.C.), 1933-34
Wolfe, Barbara A. (Junior Engineering Aid, Columbus, Ohio), 1943-44
Womersley, Mrs. Irene (Assistant Clerk-Stenographer, Portland, Oreg.), 1936-43
Wood, Auburn E. (Engineering Aide, Knoxville, Tenn.), 1943-44
Wood, Bertha (Junior Clerk-Stenographer, Charlottesville, Va.), 1942-43
Wood, Mrs. Martha Burns Kittle (scientific Aid, Washington, D.C.), 1944
Woodworth, Rosemary (Junior Clerk-Stenographer, Urbana, Ill.), 1935-43
Woolley, Ralf R. (Senior Hydraulic Engineer, Salt Lake City, Utah), 1917-42 (10 files and loose material)
Woolrych, Edmund H. (Junior Engineer, St. Louis, Mo.), 1934-37
Worcester, Samuel A. (Junior Engineer), 1934-38
Workman, Effie T. (Sr. Clerk, Asheville, N.C.), 1920-45
Workman, Leroy Vernon (Re: Appointment), 1936
Woster, Howard C. (Junior Hydraulic Engineer, Tacoma, Wash.), 1929-38
Wyer, Samuel S. (Consulting Engineer, Columbus, Ohio), 1929
Yarborough, Robert W., Jr. (Junior Engineer, Austin, Tex.), 1933-37
Yarnell, D. L. (Senior Drainage Engineer, Department of Agriculture), 1930-33
Yearsley, Mrs. Elva H. (Clerk-Stenographer, Logan, Utah), 1943-45
Yeates, Phyllis (Clerk-Stenographer, Logan, Utah), 1945-46
Yeatman, Mrs. Elsie L. (Clerk-Stenographer, Denver, Colo.), 1929-30
York, James R. (Engineering Aide, Ocala, Fla.), 1945
Youngquist, C. Vernon (District Engineer, Columbus, Ohio), 1934-44 (3 files and loose material)
Zainey, Genevieve M. (Junior Clerk-Stenographer, Indianapolis, Ind.), 1942-43
Zander, Ruth (Clerk, Urbana, Ill.), 1934-35
Zaontz, Rita B. (Junior Stenographer, Columbus, Ohio), 1930
Zieno, Angelo (Junior Hydraulic Engineer, Albany, N.Y.), 1942
Appendix 28

Water Resources Division - Records Concerning Interstate River Compacts and Regional Projects, 1923-54
(entry 455)

Arkansas River Compact, 1946-53
Belle Fourche River Compact, 1942-47
Canadian River Compact, 1950-52
Central Arizona, 1949-50
Cheyenne River Compact, 1948-50
Colorado River Authority, 1937-51
Colorado River Basin, 1940-50
Colorado River Compact, 1942-53
Colorado River Forecast Committee, 1945-48
Columbia River Basin, 1944-51
Columbia River Compact, 1952-53
Columbia River (unbound material), 1944-50
Columbia Valley Administration, Legislation, 1949
Costilla Creek Compact, 1946-47
Crab Creek, 1941-42
Davis Dam, 1950
Gila River Basin, 1940-41
International Columbia River Engineering Board, 1944-48
Kansas River Basin, 1948-49
Little Tallahatchie River Silt Project, 1938-40
Mississippi River Commission, 1941-47
Mississippi River Flood, 1927-28
Mississippi River Power Company, 1923-33
Missouri River Basin, 1945-53
Missouri River Basin Compact, 1952-54
North Platte River Investigation, 1945-48
Ohio River Basin, 1945-50
Ohio River Basin Laboratory, 1947
Phelps Dodge Corporation (Gila River), 1942-48
Potomac River Basin, 1945-50
Red River Compact, 1950
Republican River Compact, 1941-54
Rio Grande Compact Commission, 1939-53
Sabine River Compact, 1952-53
Safford Valley Report, 1945-47
St. Francis River Silt Project, 1938-40
Sanke River Compact, 1949-51
Upper Colorado River Basin Compact, 1944-53
Ute Creek, 1948
Wapato Project, 1936-42
Western States, Flood Hazard of Snow Cover, Winter, 1948-49
Wind River Basin, 1949-51
Yadkin-Pee Dee River Basin, 1940
Yellowstone River Compact, 1943-53
Appendix 29

Water Resources Division - Records of the Subcommittee on Hydrologic Data of the Federal Interagency River Basin Committee, 1947-48 (entry 491)

Map 1   Saco, Androscoggin, Presumpscot, Kennebec, Machias, St. Croix, and St. John River Basins [envelope #3]
Map 2   Housatonic, Thames, and Merrimac River Basins - Lake Champlain Drainage [envelope #3]
Map 3   Hudson River Basin and St. Lawrence Drainage in New York [envelope #3]
Map 4   Susquehanna and Delaware River Basins [envelope #3]
Map 5   Potomac, Rappahannock, York, and James River Basins [envelope #4]
Map 6   Chowan, Roanoke, Tar, Neuse, and Cape Fear River Basins [envelope #5]
Map 7   Pee Dee, Santee, and Edisto River Basins [envelope #5]
Map 8   Savannah, Ogeechee, and Altamaha River Basins [envelope #6]
Map 9   Satilla, St. Marys, St. Johns, and Suwannee River Basins [envelope #6]
Map 10  Southern Florida Drainage [envelope #6]
Map 11  Apalachicola and Ochlockonee River Basins [envelope #6]
Map 12  Choctawhatchee, Yellow, Escambia, and Alabama River Basins [envelope #6]
Map 13  Tombigbee, Pascagoula, and Pearl River Basins [envelope #6]
Map 14  Mississippi River (Natchez to the mouth), Calcasieu, Mermentau, and Vermillion River Basins [envelopes #6 & #7]
Map 15  Mississippi River (Helena to Natchez), Yazoo, Big Black, and Ouachita River Basins [envelopes #6 & #7]
Map 16  Mississippi River (Chester to Helena), St. Francis River Basin [envelope #6]
Map 17  Ohio River (Madison to Uniontown), Wabash River Basin [envelopes #8 & #9]
Map 18  Tennessee River Basin (below Hales Bar Dam), Cumberland and Green River Basins [envelopes #10 & #11]
Map 19  Ohio River (Point Pleasant to Madison), Kanawha, Big Sandy, Licking, Kentucky, Scioto, and Miami River Basins [envelope #12]
Map 20  Tennessee River Basin (above Hales Bar Dam) [envelopes #13 & #14]
Map 21  Ohio River Basin (above Point Pleasant), and Lake Erie Drainage [envelope #15]
Map 22  Great Lakes Drainage (in Michigan) and Maumee River Basin [envelope #16]
Map 23  Great Lakes Drainage (in Michigan and Wisconsin) [envelope #17]
Map 24  Mississippi River (Louisiana to Chester), Illinois, Kaskaskia and Meramac River Basins [envelopes #18 & #19]
Map 25  Mississippi River (Fairmont to Louisiana), Cedar, Skunk, and Des Moines River Basins [envelope #20]
Map 26  Mississippi River (Prairie Du Chien to Rock Island), Rock and Wapsipinicon River Basins and Lake Michigan Drainage [envelope #20]
Map 27  Mississippi River Basin (St. Paul to Prairie Du Chien), Wisconsin, Root, Chippewa, and St. Croix River Basins [envelope #20]
Map 28  Mississippi River Basin (above St. Paul) [envelope #20]
Map 29  Lake Superior and Lake of the Woods Drainage (in Minnesota) [envelope #20]
Map 30  Red River of the North [envelope #20]
Map 31  Missouri River (Nebraska City to Herman), Osage, Gasconade, and Grand River Basins [envelopes #21 & #22]
Map 32  Smoky Hill and Lower Republican River Basins [envelopes #21 & #22]
Map 33  Upper Republican River Basin, North Platte River (Ft. Laramie to North Platte) and South Platte River (Sublette to North Platte) [envelopes #21 & #22]
Map 34  North Platte River Basin (above Ft. Laramie) South Platte Rive Basin (above Sublette) [envelopes #21 & #22]
Map 35  Platte River Basin (below North Platte), Missouri River (above Blair to Nebraska City) [envelopes #21 & #22]
Map 36  Platte River (Niobrara to above Blair), James and Big Sioux River Basins [envelopes #21, #22 & #23]
Map 37  Missouri River (above Pierre to Niobrara), Niobrara and White River Basins [envelopes #21 & #22]
Map 38  Missouri River (Mobridge to above Pierre), Cheyenne and Owl River Basins [envelope #23]
Map 39  Missouri River (Williston to Mobridge), Grand, Cannonball, Heart and Little Missouri River Basins
    [envelope #23]
Map 40  Missouri River (Zortman to Williston), Milk and Musselshell River Basins [envelope #24]
Map 41  Missouri River Basin (above Zortman) [envelope #25]
Map 42  Lower Yellowstone River - Tongue and Powder River Basins [envelope #26]
Map 43  Upper Yellowstone River Basin [envelope #29]
Map 44  Arkansas River (Van Buren to Little Rock), White River Basin [envelope #27]
Map 45  Arkansas River (Tulsa to Van Buren), Grand, Verdigris and Lower Canadian River Basins [envelope #27]
Map 46  Arkansas River (Garden City to Tulsa), Middle Canadian, Lower Cimarron and Salt Fork River Basins
    [envelope #27]
Map 47  Arkansas River (Lamar to Garden City), Upper Cimarron and Upper Canadian River Basins
    [envelopes #28, #30 & #31]
Map 48  Rio Grande Basin (above Espanola) and Arkansas River Basin (above Lamar) [envelopes #28, #30 & #31]
Map 49  Red River (Denison to Grand Ecore), Little and Sulphur River Basins [envelopes #7 & #32]
Map 50  Red River Basin (above Denison) [envelope #31]
Map 51  Sabine, Naches and Trinity River Basins [envelope #30 & #31]
Map 52  Lower Brazos, Lower Colorado, Guadalupe, San Antonio and Nueces River Basins [envelopes #30 & #31]
Map 53  Brozos River (South Bend to Washington), Little River Basin and Colorado River (Ballinger to
    Marble Falls), Llano and San Saba River Basin [envelopes #30 & #31]
Map 54  Brozos River Basin (above South Bend), Colorado River Basin (above Ballinger [envelopes #30 & #31]
Map 55  Rio Grande (below Eagle Pass) [envelope #31]
Map 56  Rio Grande (Fort Quitman to Eagle Pass) [envelope #31]
Map 57  Rio Grande (Espanola to Fort Quitman) Río Puerco Basin [envelopes #30 & #31]
Map 58  Pecos River Basin (above Carsbad) [envelopes #30 & #31]
Map 59  Colorado River (below Boulder Dam) Williams River Basin [envelopes #31 & #33]
Map 60  Gila River Basin [envelope #33]
Map 61  Little Colorado and San Juan River Basins [envelopes #33, #34 & #35]
Map 62  Colorado River (Halls Crossing to Boulder Dam) Virgin River Basin [envelopes #33 & #36]
Map 63  Colorado River (above Halls Crossing), Gunnison, Delores and Fremont (or Dirty Devil) River Basin
    [envelopes #37 & #38]
Map 64  Green River Basin [envelopes #33 & #39]
Map 65  Great Salt Lake Basin [envelopes #33 & #40]
Map 66  Sevier River Basin [envelopes #33 & #41]
Map 67  Warner Lakes, Honey Lake, and Malheur Lake Drainage [envelopes #42, #43 & #44]
Map 68  Humbolt, Carson, and Truckee River Basins [envelopes #33 & #45]
Map 69  Walker River (near Schurz) [no envelope found]
Map 70  Salton Sea and Southern California Coastal Drainage [envelopes #33 & #48]
Map 70A Los Angeles, San Gabriel and Santa Ana River Basins [envelope #48]
Map 71  San Joaquin, Kern, Santa Clara, Santa Ynez, Santa Maris and Salinas River Basins [envelope #49]
Map 72  Sacramento, Eel and Russian River Basins [envelope #50]
Map 73  Klamath, Rogue, and Umpqua River Basins [envelope #51]
Map 74  Columbia River (below Umatilla), Willamette, Deschutes, John Day, Cowlitz, and Klickitat River Basins
    [envelope #52]
Map 75  Columbia River (Grand Coulee to Umatilla), Yakima, Chelan, and Okanogan River Basins [envelope #53]
Map 76  Columbia River (International Boundary to Grand Coulee), Pend Orielle, Spokane, and Lower Snake River
    Basins [envelope #54]
Map 77  [no envelope or map found]
Map 78  Snake River (King Hill to below the Salmon River), Grand Ronde, Malheur, Owyhee, Boise, Weisner, and
    Payette River Basins [envelope #55]
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Appendix 30

Ground Water Branch - Administrative Correspondence Files, 1919-43 (entry 574)

Ground Water Branch, 1919-39
  Abstracts
  Accounts, Division of
  Administrative Geologist
  Agriculture, Department of
  Air-Conditioning
  Alabama - Inquiries
  Alabama - Walter B. Jones, State Geologist
  Albright, Horace M. (United States Potash Company)
  American Association for the Advancement of Science
  American Association of Petroleum Geologists
  American Society of Civil Engineers
  American Association of Water Well Drillers
  American Water Works Association
  Annual Reports
  Andrews, David A.
  Arizona - Cooperation
  Arizona - Salt River Valley Water Users' Association
  Arizona - Inquiries
  Arkansas - Cooperation
  Arkansas - Inquiries
  Arkansas - Arkansas Geological Survey and Arkansas Agricultural Experiment Station
  Automobile Insurance
  A - Miscellaneous
  Babcock, Horace M.
  Bach, W. Kenneth
  Baker, Roger C.
  Barber, DeLoss H.
  Barksdale, Henry C.
  Bell, Francis M.
  Bennett, Robert R.
  Bigwood, Burke L.
  Blank, Horace R.
  Brashears, Maurice L., Jr.
  Bridges, Thomas W.
  Brown, Glen F.
  Brown, Russell H.
  Bryan, Kirk
  Burchard, Edwin D.
  Burleigh, Harry P.
  Byers, Alan C.
  B - Miscellaneous
  Cady, Richard C.
  California - geology and ground water hydrology of the Mokelumne area, by Arthur M. Piper, Hoyt S. Gale,
  Harold E. Thomas, and Thomas W. Robinson, status of
  California - East Bay Municipal Utility District
  California - Los Angeles and Orange Counties
  California - Mohave River Basin (David G. Thompson)
California - Mokelumne River
California - Santa Ana Investigation (David G. Thompson)
California Well Drillers Association
California - inquiries
Carson, Max H.
Cederstrom, Dagfin J.
Chicago, University of
Chief Clerk
Chief Geologist
Chief Hydraulic Engineer
Civil Works Administration
Colby, Bruce R.
Cole, Charles F.
Collins, William D.
Colorado Water Well Drillers Association
Colorado - Inquiries
Colvin, Robert H.
Commerce, Department of
Connecticut - Cooperation
Connecticut - Inquiries
Conover, Clyde S.
Conservation Branch - Herman Stabler
Cooper, Hilton H., Jr.
Cosmos Club
Crandall, Lynn
Creech, Mrs. Hulda M.
Crickmay, Geoffrey W.
Cross, William P.
Cumley, James C.
C - Miscellaneous
Deep-well meter
Dennis, P. Eldon
Detweiler, Abraham L.
Director
Dirzulaitis, Joseph J.
District of Columbia
District Engineers' Conference, 1938
Drainage Basin Projects:
   Columbia Basin Irrigation Project
   Delaware River Drainage Basin
   Minnesota Drainage
   Lower Mississippi "A" Basin - Ouachita River Sub-basin
   Neosho-Verdigris Basins
   Tennessee River Basin
   St. Francis Basin
D - Miscellaneous
Ebert, Fred C.
Eckel, Edwin B.
Economic Geologists, Society of
Engineering News-Record
E - Miscellaneous
Federal Club
Federal Power Commission
Federal Works Agency

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Ferris, John G.
Fiedler, Albert G.
Field Equipment, Division of
Fishel, Vinton C.
Florida
Florida Ship Canal
Florida, City of Pensacola
Florida - Cooperation and Florida State Geological Survey
Florida - Inquiries
Follansbee, Robert
Forrest, Kyle
Foster, Vellora M.
Frye, John C.
F - Miscellaneous
Gale, Hoyt S.
Gasoline purchases
Geological Congress, International
Geological Society of America
Geology, Journal of
George, William O.
Georgia
Georgia, Warm Springs
Georgia - Inquiries
Ground Water Estimates
Guam (Harold T. Stearns)
Guyton, William F.
G - Miscellaneous
Hale, William E.
Hall, George M.
Harrell, Marshall A.
Harrington, Arthur W.
Hartwell, Oliver W.
Hawaii
Hawaii - Cooperation
Hauser, Junius F.
Hewett, Donnel Foster
History of Science Society, The
Horton, Robert E.
Howell Drillers News
Hubbert, M. King, Prof (Columbia University)
Hydrologic Laboratory; Hydraulic Laboratory
H - Miscellaneous
Idaho - General
Idaho - Kootenai
Idaho - Snake River (Harold T. Stearns)
Idaho - Inquiries
Illinois
Illinois - East St. Louis Drainage District
Illinois State Geological Survey
Illinois Water Well Drillers Association
Illinois - Inquiries
Indian Affairs, Office of
Indiana
Indiana - Inquiries

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Mines, Bureau of
Minnesota Well Drillers Association
Minnesota - Inquiries
Mississippi - Cooperation
Mississippi Valley Committee
Mississippi - Inquiries
Missouri - Inquiries
Missouri Water Well Drillers Association
Monroe, Watson H.
Montana - Flathead Lake
Montana - Inquiries
Morgan, Arthur M.
Morrison, Roger B.
Murphy, Franklin M.
Murray, C. Richard
M - Miscellaneous
National Emergency Council
National Park Service
National Research Council
National Resources Committee
Navy Department
Nebraska Conservation and Survey Division
Nebraska Well Drilling Association
Nebraska, State of
Nebraska - Cooperation
Nebraska - Condra, G. E., State Geologist
Nebraska - Inquiries
Nevada Agricultural Experiment Station
Nevada - Inquiries
Newell, Thomas R.
New Hampshire State Planning and Development Commission
New Hampshire - Inquiries
New Jersey - Cooperation
New Jersey
New Jersey Water Well Drillers Association
New Jersey - Inquiries
New Mexico - Cooperation
New Mexico - Conchas Dam
New Mexico - Lea County
New Mexico - Mimbres Valley
New Mexico - Silver City
New Mexico - Roswell Artesian Basin
New Mexico - Inquiries
New York - Department of Water Supply, Gas, and Electricity
New York - Inquiries
New York - Joint Legislative Committee, Frederick J. Slater
New York - Long Island, Miscellaneous
New York - Monroe County Regional Planning Board
New York - Nassau County
New York - Village of Ossining
New York - Suffolk County
New York - Water Power and Control Commission
News Items - For Secretary's Office
Noble, Levi F.
North Carolina, Elizabeth City
North Carolina - Cooperation
North Carolina - Inquiries
North Dakota Geological Survey
North Dakota Well Drillers Association
North Dakota - Inquiries
Nye, S. Spenser
N - Miscellaneous
O - Miscellaneous
Parker, Glenn L.
Pecos River Joint Investigation
Pennsylvania - Cooperation
Pennsylvania - Department of Internal Affairs
Pennsylvania
Pennsylvania - Inquiries
Pentz, Mervin A.
Personnel [alphabetically]
Phi Beta Kappa
Pi Gamma Mu
Piper, Arthur M.
Pittman, Harry F.
Poland, Joseph F.
Post Office Department
Powers, Howard A.
Pratt, Joseph Hyde
Prince, A. H.
Publications
Public Works
O-P - Miscellaneous
P - Miscellaneous
Q - Miscellaneous
Reed, Edwin W.
Renick, Coleman B.
Resettlement Administration
Rio Grande Joint Investigation
Robinson H. H.
Robinson, Thomas W.
Rose, Nicholas A.
Q-R - Miscellaneous
R - Miscellaneous
Sayre, A. Nelson
Schaefer, Edward J.
Schoff, Stuart L.
Secretary's Memorandums and correspondence
Sigma Xi
Simpson, Howard E.
Smith, George E. P.
Soil Conservation Service
Soil Erosion Projects (Miscellaneous, Kansas, Missouri, North Carolina, Oklahoma, South Carolina, Texas, Washington, Wisconsin)
Soil Erosion Projects
South Carolina - Inquiries
South Dakota - Inquiries
South Dakota - Fort Meade

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Ground Water Branch, 1940-41
Abstracts
Accounts, Division of
Adams, Robert W.
Administrative Geologist
Agriculture, Department of
Akin, P. Donald
Alabama - Cooperation
Alabama - Inquiries
American Association for the Advancement of Science
American Association of Petroleum Geologists
American Society of Civil Engineers
American State Geologists, Association of
American Water Works Association
Anderson, Keith E.
Annual Report (1940)
Arizona - Gila River
Arizona - Inquiries
Arkansas - Cooperation
Arkansas - Inquiries
A - Miscellaneous
Babcock, Horace W.
Bach, W. Kenneth
Bahama Islands - Inquiries
Baker, Roger C.
Barksdale, Henry C.
Bennett, Robert R.
Berthiaume, Sheridan A.
Brashears, Maurice L., Jr.
Bratton, Donald H.
Brown, Glen F.
Brown, Russell H.
Byran, Kirk
Byers, Alan C.
B - Miscellaneous
Cady, Richard C.
California - Santa Maria Valley
California - Santa Ynez River Basin
California - Inquiries
Carlston, Charles W.
Cederstrom, Dagfin J.
Chief Clerk
Chief Hydraulic Engineer
Chief Geologist
Chief Topographic Engineer
Collins, William D.
Colorado - Inquiries
Colvin, Robert H.
Commerce, Department of
Connecticut - Inquiries
Conover, Clyde S.
Cooper, Hilton H., Jr.
Cross, William P.
Cuba - Inquiries
Cushing, Elliott M.
C - Miscellaneous
Defense Information
Delaware - Inquiries
Dennis, P. Eldon
Detweiler, Abraham L.
Director
District of Columbia - Inquiries
Drainage Basin Projects: Mobile-Suwannee River Basin; Pearl-Pascagoula River Basin;
Miscellaneous Drainage Projects
Drescher, William J
Dupont de Nemours, E. I. & Company
D - Miscellaneous
Economic Geologists, Society of
Economic Geology
Engineer News-Record
Erosion, Division of
E - Miscellaneous
Federal Power Commission
Fellom, Roger
Ferris, John G.
Fiedler, Albert G.
Field Equipment, Division of
Fishel, Vinton C.
Florida - Cooperation
Florida State Geological Survey
Florida - Inquiries
Foley, Frank C.
Foster, Vellora M.
Frye, John C.
F - Miscellaneous
Garrett, Arthur A.
Geological Society of America
Geophysical Section
George, William O.
Georgia Department of Natural Resources
Georgia - Inquiries
Gerardi, Anglo P.
Ground Water Estimates [mostly Indiana]
Guyton, William F.
G - Miscellaneous
Hale, William E.
Hart, Rodney
Nace, Raymond L.
National Resources Planning Board
National Research Council
Navy Department
Nebraska - Cooperation
Nebraska State Conservation and Survey Division
Nebraska - Inquiries
Nevada - Cooperation and Inquiries
Newcomb, Reuben C.
New Hampshire - Inquiries
New Jersey - Inquiries
New Mexico - Mimbres Valley
New Mexico - Inquiries
New York - Inquiries
New York - Water and Power Control Commission
North Carolina - Cooperation
North Carolina - Elizabeth City
North Carolina - Inquiries
North Carolina State Board of Health
North Dakota - Cooperation
North Dakota - Inquiries
N - Miscellaneous
Observation Wells - Committee on
Odum, Dr. Hilmar
Offsetting
Ogden, Evelyn M.
Ohio, Canton
Ohio, Canton (A. Nelson Sayre)
Ohio Chamber of Commerce
Ohio - Cooperation
Ohio - Inquiries
Ohio - Mill Creek Valley Conservation Association
Oklahoma Conservation Commission and Geological Survey
Oklahoma Geological Survey
Oklahoma - Inquires
Oregon
Oregon - Inquiries
O - Miscellaneous
Parker, Garald G.
Pecos River Joint Investigation
Pennsylvania - Cooperation (Department of the Internal Affairs)
Pennsylvania - Inquiries
Personnel
Phelps, Leonard C.
Piper, Arthur M.
Pittman, Harry F.
Poland, Joseph F.
Public Works Reports
P - Miscellaneous
Ranney Water Collector Corporation
Rasmussen, William C.
Reed, Edwin W.
Reports of Construction and Maintenance
Robinson, John W.
Robinson, Thomas W.
Rose, Nicholas A.
R - Miscellaneous
Sayre, A. Nelson
Schafer, Edward J.
Schoff, Stuart L.
Smith, Clay T.
Soil Conservation Projects
South Carolina - Cooperation
South Carolina - Inquiries
South Dakota - Inquiries
Speer, Paul R.
Standards, Bureau of
Stearns, Harold T.
Stringfield, Victor T.
Stuart, Wilbur T.
Sundstrom, Raymond W.
S - Miscellaneous
Taylor, George C., Jr.
Taylor, George H.
Tennessee - Cooperation
Tennessee - Inquiries
Texas - Cooperation
Texas - Inquiries
Theis, Charles V.
Thomas, Harold E.
Thompson, David G.
Topographic Branch
Turner, Samuel F.
T - Miscellaneous
U. S. Employees' Compensation Commission
Upson, Joseph E.
Utah - Cooperation
U - Miscellaneous
Vermont - Inquiries
Virgin Islands
Virgin Islands - Inquiries
Virginia - Cooperation
Virginia - Inquiries
Virginia - Virginia Beach
V - Miscellaneous
Wahrhaftig, Clyde
Waite, Herbert A.
War Department
Waring, Gerald A.
Warren, Moultrie A.
Washington, - Inquiries
Wenzel, Leland K.
Westendick, Frank C.
West Virginia - Cooperation
West Virginia - Inquiries
Wheelan, Berea D.
White, Walter N.
Williams, Charles C.
Ground Water Branch, 1942
American Water Works Association
Anderson, Keith E.
Arizona - Gila River Conference
Arkansas - Cooperation
A - Miscellaneous
Barksdale, Henry C.
Bennett, Robert R.
Brashears, Maurice L.
Broadhurst, William L.
Brown, Glen F.
Brown, Russell H.
B - Miscellaneous
Carlston, Charles W.
Cederstrom, Dagfin J.
Chief Geologist
Chief Hydraulic Engineer
Chief Topographic Engineer
Commerce, Department of
Cooper, Hilton H.
C - Miscellaneous
Dennis, P. Eldon
Director
D - Miscellaneous
Economic Geology
E - Miscellaneous
Federal Power Commission
Federal Works Agency
Field Equipment, Division of
Fishel, Vinton C.
Florida State Geological Survey
Forms - General
Frye, John C.
F - Miscellaneous
George, William O.
Georgia - Cooperation
Graham, Jack B.
Greenlee, Arthur L.
Guyton, William F.
G - Miscellaneous
Hale, William E.
H - Miscellaneous
Indiana
I - Miscellaneous
Jacob, Charles E.
Jeffords, Russell M.
Kazmann, Raphael G.
Klaer, Fred H., Jr.
K - Miscellaneous
Lang, Joe W.
LaRocque, George A.
Leggette, Ralph M.
Livingston, Penn
Lohman, Stanley W.
Louisiana - Cooperation
L - Miscellaneous
McDonald, Harris R.
McGuinness, Charles L.
Maher, John C.
Maryland - Cooperation
Maxey, George B.
Meinzer, Oscar E.
Meinzer, Oscar E. - Extra copies of Circular Memorandums by
Morgan, Arthur M.
Morrison, Roger B.
Mundorff, Maurice J.
M - Miscellaneous
Nace, Raymond L.
Navy Department
Nebraska Conservation and Survey Division
North Carolina, Elizabeth City
North Dakota State Geological Survey
N- Miscellaneous
Ohio - Cooperation and C. V. Youngquist
Oklahoma - Cooperation
O - Miscellaneous
Parker, Garald C.
Piper, Arthur L.
Pittman, Harry F.
Poland, Joseph F.
P - Miscellaneous
Rasmussen, William C.
Reclamation, Bureau of
Reed, Edwin W.
Robinson, Thomas W.
Rose, Nicholas A.
R - Miscellaneous
Sayre, A. Nelson
Schoff, Stuart L.
Stearns, Harold T.
Stringfield, Victor T.
Sundstrom, Raymond W.
Swenson, Frank A.
S - Miscellaneous
Taylor, George C., Jr.
Taylor, George H.
Tennessee - Cooperation
Texas State Board of Water Engineers

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Theis, Charles V.
Thomas, Harold E.
Thompson, David G.
Turner, Samuel F.
T - Miscellaneous
U. S. Employees' Compensation Commission
Utah - Cooperation
U - Miscellaneous
Virginia - Cooperation
Virginia, Newport News
Waite, Herbert A.
War Department
Waring, Gerald A.
Warren, Moultrie A.
War work with cooperative funds
Water Resources Bulletin
Wenzel, Leland K.
Westendick, Frank C.
West Virginia Geological and Economic Survey
White, Walter N.
W - Miscellaneous

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Abstracts, Annotated Bibliography of Economic Geology
Accounts, Division of
Agriculture, Department of
Alaska Highway
American Water Works Association
Arizona - Cooperation
Arkansas - Cooperation
A - Miscellaneous
Baker, Roger C.
Barksdale, Henry C.
Bennett, Robert B.
Brashears, Maurice L.
Brenner, Freda S.
Broadhurst, William L.
Brown, Glen F.
Brown, Russell H.
Bryan, Kirk
B - Miscellaneous
Cady, Richard C.
California - Cooperation and Inquiries
Carlston, Charles W.
Cederstrom, Dagfin J.
Chief Geologist
Chief Hydraulic Engineer
Collins, William D.
Commerce, Department of
Conover, Clyde S.
Cooper, H. L., Jr.
Cross, William P.
Cushing, Elliott M.
C - Miscellaneous
Delaware Cooperation and Inquiries
Dennis, P. Eldon
Denny, Eugene D.
Director
D - Miscellaneous
Economic Geology, Society of
E - Miscellaneous
Ferris, John G.
Field Equipment
Fielder, Albert G.
Fishel, Vinton C.
Florida - Cooperation and Inquiries
Foley, Frank C.
F - Miscellaneous
Geological Society of America
Georgia - Cooperation and Inquires
Gerardi, Angelo P.
Graham, Jack B.
Greenlee, Arthur L.
Guyton, William F.
G - Miscellaneous
Herrick, Stephen M.
H - Miscellaneous
Idaho - Cooperation
Illinois - Cooperation
Indiana - Cooperation
Inter-American Affairs (South America)
Iowa - Cooperation
I - Miscellaneous
Jacob, Charles E.
Jeffords, Russell M.
Kansas - Cooperation
Kazmann, Raphael G.
Kentucky - Cooperation and Inquiries
Klaer, Fred H., Jr.
LaRocque, George A.
Livingston, Penn P.
Lohman, Stanley W.
Louisiana - Cooperation and Inquires
L - Miscellaneous
MacDonald, Gordon A.
McDonald, Harris R.
McGuinness, Charles L.
Maher, John C.
Maryland - Cooperation
Maxey, George B.
Meinzer, Oscar E.
Michigan - Inquiries and Cooperation
Mines, Bureau of
Miscellaneous memorandums to field men
Mississippi - Cooperation
Morgan, Arthur M.
Mundorff, Maurice J.

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Murray, C. Richard
M - Miscellaneous
Nace, Raymond L.
National Planning Board
National Research Council
Nebraska - Cooperation and Inquiries
Nevada - Cooperation
New Jersey - Cooperation
New Mexico - Cooperation and Inquiries
North Carolina - Cooperation and Inquiries
North Dakota - Cooperation
N - Miscellaneous
Ohio - Cooperation and Inquiries
Oklahoma - Cooperation
Open file - replies from field men to Oscar E. Meinzer
Parker, Garald G.
Pennsylvania - Inquiries and Cooperation
Piper, Arthur M.
Poland, Joseph P.
Purchasing Office, Memorandums to
Reclamation, Bureau of
Reed, Edwin W.
Robinson, Thomas W.
Rose, Nicholas A.
Sayre, A. Nelson
Schaefer, Edward J.
Standards, Bureau of
Stearns, Harold T.
Stringfield, Victor T.
Stuart, Wilbur T.
Sundstrom, Raymond W.
Taylor, George C., Jr.
Taylor, George H.
Tennessee - Cooperation and Inquiries
Texas - Inquiries and Cooperation
Theis, Charles V.
Thompson, David G.
Turner, Samuel F.
T - Miscellaneous
Unklesbay, Athel G.
Upson, Joseph E.
U - Miscellaneous
Virginia - Cooperation
Virgin Islands
Waite, Herbert A.
War Department
Warren, M. A.
West Virginia - Cooperation and Inquiries
White, Walter N.
Youngquist, Lewellyn W.
Ground Water Branch, 1944:
  Alabama, Tuscaloosa
  Arizona, Tucson
  Arkansas - Cooperation
  California - Long Beach and Santa Barbara
  Florida - Miami and Tallahassee
  Georgia, Savannah
  Hawaii, Honolulu
  Indiana, Indianapolis
  Iowa, Iowa City
  Kansas, Lawrence
  Kentucky, Louisville
  Louisiana, Baton Rouge
  Maryland, Baltimore
  Massachusetts
  Michigan
  Mississippi, University
  Montana
  Nebraska, Lincoln
  Nevada, Las Vegas
  New Jersey, Trenton
  New Mexico, Albuquerque
  New York, Jamaica, Long Island
  North Carolina, Raleigh
  North Dakota, Grand Forks
  Ohio, Columbus
  Oklahoma, Norman
  Oregon, Portland
  Pennsylvania, Philadelphia
  Rhode Island
  Tennessee, Memphis
  Texas, Austin
  Utah, Salt Lake City
  Virginia, Charlottesville
  West Virginia, Morgantown
  Wisconsin
  Wyoming, Cheyenne

Ground Water Branch, 1944:
  Accounts, Division of
  Agriculture, U. S. Department of
  Alaskan Highway
  American Water Works Association
  A - Miscellaneous
  B - Miscellaneous
  Chief Geologist
  Chief Hydraulic Engineer
  Commerce, U.S. Department of
Ground Water Branch, 1945:
Alabama, Tuscaloosa
Arizona, Tucson
Arkansas
California, Long Beach and Santa Barbara
Colorado, Denver
Florida, Miami
Florida, Tallahassee
Georgia, Savannah
Hawaii, Honolulu
Idaho
Indiana, Indianapolis
Iowa, Iowa City
Kansas, Lawrence
Kentucky, Louisville
Louisiana, Baton Rouge
Maryland, Baltimore
Massachusetts
Michigan
Mississippi, University
Nebraska, Lincoln
Nevada, Las Vegas
New Jersey, Trenton
New Mexico, Albuquerque
New York, Jamaica, Long Island
North Carolina, Raleigh
North Dakota, Grand Forks
Ohio, Columbus
Oklahoma, Norman
Oregon, Portland
Pennsylvania, Philadelphia
Rhode Island
South Dakota
Tennessee, Memphis
Texas, Austin
Utah, Salt Lake City
Virginia, Charlottesville
West Virginia, Morgantown
Wisconsin
Wyoming, Cheyenne

Ground Water Branch, 1945:
Accounts, Division of
American Society of Civil Engineers
American Water Works Association
Arkansas - Cooperation (El Dorado Investigation)
A - Miscellaneous
Branch Charges
B - Miscellaneous
Chief Geologist
Chief Hydraulic Engineer
Chile
Commerce, U. S. Department of
C - Miscellaneous
Director
D - Miscellaneous
Economic Geologists, Society of
Federal Power Commission
Division of Field Equipment
Geological Society of America
H - Miscellaneous
INCODEL (Interstate Commission on the Delaware River Basin)
I - Miscellaneous
Laboratory Methods
L - Miscellaneous
Michigan (Iron River Investigation)
Miscellaneous Memoranda
Miscellaneous Memoranda to Field Offices
Missouri River Basin Investigation
M - Miscellaneous
Nevada (Steamboat Springs Investigation)
N - Miscellaneous
Property
Puerto Rico
P - Miscellaneous
Reclamation, Bureau of
R - Miscellaneous
Suggestions Committee
S - Miscellaneous
T - Miscellaneous
U - Miscellaneous
V - Miscellaneous
War Department
Water Works Engineering
Water Resources Committee
W - Miscellaneous

Ground Water Branch, 1946:
Alabama, Tuscaloosa
Arabia
Arizona, Tucson
Arkansas
California, Long Beach
California, Santa Barbara
Colorado, Denver
Florida, Miami
Florida, Tallahassee
Georgia, Atlanta
Hawaii, Honolulu
Idaho
Indiana, Indianapolis
Iowa, Iowa City
Kansas, Lawrence
Kentucky, Louisville
Louisiana, Baton Rouge
Maryland, Baltimore
Massachusetts
Michigan
Mississippi, University
Missouri River Basin Project
Nebraska, Lincoln
Nevada, Las Vegas
New Jersey, Trenton
New Mexico, Albuquerque
New York, Jamaica, Long Island
North Carolina, Raleigh
North Dakota, Grand Forks
Ohio, Columbus
Oklahoma, Norman
Oregon, Portland
Pennsylvania, Philadelphia
Rhode Island
South Dakota
Tennessee, Memphis
Texas, Austin
Utah, Salt Lake City
Virginia, Charlottesville
West Virginia, Morgantown
Wisconsin
Wyoming, Cheyenne

Ground Water Branch, 1946:
Accounts, Division of
Agriculture, U. S. Department of
American Society of Civil Engineers
American Water Works Association
Budget Estimates
B - Miscellaneous
Chief Clerk
Chief Geologist
Chief Hydraulic Engineer
Columbia Basin
Commerce, U. S. Department of
Coordination Committee
C - Miscellaneous
Conference - Field Men
Conference - Ground Water and Water Resources; Regional Meeting, Water Resources Branch at
    Montgomery Alabama; East-Central Water Resources Conference at Indianapolis, Indiana
DeBuchananne, C. D. (accident)
Deferments
Director
Drainage Basins
Economic Geologists
Federal Power Commission
F - Miscellaneous
Geological Society of America
H - Miscellaneous
I - Miscellaneous
J - Miscellaneous
Laboratory
Librarian
L - Miscellaneous
Miscellaneous Memoranda
Miscellaneous Memoranda to Field
Mississippi, Upper Embayment Investigation
Missouri River Basin Project
M - Miscellaneous
N - Miscellaneous
Property
Puerto Rico
P - Miscellaneous
Reclamation, Bureau of
R - Miscellaneous
Suggestions Committee
S - Miscellaneous
Virgin Islands
War Department
W - Miscellaneous
Ground Water Branch, 1947:
  Accounts, Division of
  American Association for the Advancement of Science
  American Geophysical Union
  American Water Works Association
  Annual Reports - Secretary
  Arkansas River Basin
  A - Miscellaneous
  Budget Estimates
  B - Miscellaneous
  Chief Geologist
  Chief Hydraulic Engineer
  Colorado River Basin
  Columbia Basin
  Commerce, U.S. Department of
  Conference - Field Men
  Cooperation Committee
  Coordination Northwest (Piper)
  C - Miscellaneous
  Director
  Economic Geologists, Society of
  F - Miscellaneous
  Geological Society of America
  Ground Water Program
  G - Miscellaneous
  I - Miscellaneous
  Joint Research and Development Board
  J - Miscellaneous
  Laboratory
  Librarian
  L - Miscellaneous
  Miscellaneous Memoranda
  Miscellaneous Memoranda to the Field
  Missouri River Basin Project
  M - Miscellaneous
  N - Miscellaneous
  Publications
  Puerto Rico
  P - Miscellaneous
  P - Philippines, Palestine, Panama, Peru
  Reclamation Association
  Reclamation, Bureau of
  Research and Development
  R - Miscellaneous
  Suggestions Committee
  Superior Accomplishment Recommendation
  S - Miscellaneous
  War Department
  W - Miscellaneous
  Congressional Hearings - Material
Ground Water Branch 1947:
Alabama, Tuscaloosa
Arizona, Tucson
Arkansas - Cooperation
California, Long Beach and Santa Barbara
Colorado, Denver
Florida, Miami and Tallahassee
Georgia, Atlanta
Hawaii, Honolulu
Idaho, Boise
Indiana, Indianapolis
Iowa, Iowa City
Kansas, Lawrence
Kentucky, Louisville
Louisiana, Baton Rouge
Maryland, Baltimore
Massachusetts, Boston
Michigan
Mississippi, University
Nebraska, Lincoln
Nevada, Carson City
New Jersey, Trenton
New Mexico, Albuquerque
New York (Jamaica and Albany)
North Carolina, Raleigh
North Dakota, Grand Forks
Ohio, Columbus
Oklahoma, Norman
Oregon, Portland
Pennsylvania, Philadelphia
Rhode Island
South Dakota
Tennessee, Memphis
Texas, Austin
Utah, Salt Lake City
Virginia, Charlottesville
West Virginia, Morgantown
Wisconsin, Madison
Wyoming, Cheyenne

Ground Water Branch, 1948-53:
Alabama, Tuscaloosa
Alaska, Arctic Ground Water Research
Alaska
Alaska, Bureau of Yards and Docks
Arizona, Holbrook, Phoenix, Navajo
Arizona, Tucson
Arkansas, Little Rock
Arkansas Bauxite Project
California, Santa Barbara
California, Sacramento
Colorado, Denver
Connecticut
Connecticut, Middletown
Delaware
Florida, Miami
Florida, Tallahassee
Georgia, Atlanta
Guam, Trust Territory
Hawaii, Honolulu
Idaho, Boise
Illinois
Indiana, Indianapolis
Iowa, Iowa City
Kansas, Lawrence
Kentucky, Louisville
Louisiana, Baton Rouge
Maryland, Baltimore
Maryland, Salisbury
Massachusetts, Boston
Michigan, Ishpeming
Michigan, Lansing
Minnesota
Minnesota, Minneapolis
Minnesota, St. Paul
Mississippi
Mississippi, University
Montana
Montana, Billings
Nebraska, Lincoln
Nevada, Carson City
New Hampshire
New Jersey, Trenton
New Mexico, Albuquerque
New York, Jamaica, Mineola, and Albany
New York, Mineola
New York, Albany
North Carolina, Raleigh
North Dakota, Bismarck
North Dakota, Grand Forks
Ohio, Columbus
Oklahoma, Norman
Oregon, Portland
Pennsylvania, Philadelphia
Rhode Island
Rhode Island, Providence
South Carolina
South Dakota
Tennessee, Memphis
Texas, Austin
Texas, El Paso
Utah, Salt Lake City
Vermont
Virginia, Charlottesville
Virginia
Virgin Islands
Washington
Washington, Tacoma
West Virginia
West Virginia, Morgantown
Wisconsin
Wisconsin, Madison
Wyoming
Wyoming, Cheyenne

Ground Water Branch 1948-53:
Acquisition of Lands
Alaska
Alaska Projects
American Geophysical Union
American Institute of Mining and Metallurgical Engineers
American Society of Civil Engineers
American Standards Association
American Water Works Association
Arid Zone, Committee on
Arkansas River Basin
Arkansas - Red-White River Basin Inter-agency Committee
Army, Department of
Artificial Recharge
Authorized Certifying Officers
Data for 1951 Automobile Report
A - Miscellaneous
Branch History
Budget Estimates
Bureau of Land Management
B - Miscellaneous
Carpenter, Charles
Central and Southern Florida Flood Control District
Central Arizona Project
Central Valley Basin, California
Chief Counsel
Chief Geologist
Chief Hydraulic Engineer
Colorado Projects
Colorado River Basin
Columbia Basin
Columbus Equipment Laboratory
Commerce, U.S. Department of
Conference - Field Men
Conservation Foundation
Coordination - Northwest (Piper)
C - Miscellaneous
Director
Summary of Drilling Contracts
D - Miscellaneous
Economic Geologists, Society of
Employees Compensation, Bureau of
Equipment
Executive Officer
E - Miscellaneous
Federal Observation Well Program
Report of Field Trips
Fish and Wildlife Service
Fort Berthold
F - Miscellaneous
Geological Society of America
Geologic Names, Committee on
Geophysics Branch
"Glacial & Pre-glacial Drainage"
Great Lakes Hydrology
Ground Water Programs
G - Miscellaneous
Hoover Committee
Hornum, Neils
H - Miscellaneous
Illinois Waterway
Indian Affairs, Office of
Industrial Waste Disposal
Inter-Agency Committee on Hydrologic Data
Inter-Agency River Basin Committee
Invention Reports
I - Miscellaneous
Jacob, Charles E.
Joint Research and Development
J - Miscellaneous
Field Reports for Keck Elements
K - Miscellaneous
Labor Department - Wage Rates
Laboratory
Leases
Lincoln Hydrologic Laboratory
Literature, Ground Water
L - Miscellaneous
Project Mahoney
Mining Hydrology - Research
Miscellaneous Memoranda
Miscellaneous Memoranda to Field
Mississippi Basin Flood Control Project
Mississippi - Upper Embayment Investigation
Missouri River Basin Project
Mountain Home Project, Idaho
Munitions Board
M - Miscellaneous
National Park Service
National Research Council
National Resource Committee
National Security Resources Board
National Water Well Association
Navajo Indian Reservation Project
Navy Department
Navy Department, Bureau of Yards and Docks
New Hampshire
New York
N - Miscellaneous
Organization, "Councils" for Field Offices
Appendix 32

Quality of Water Branch - Records Concerning Field Offices and Laboratories, 1939-52 (entry 601)

Air Force, Department of, 1946-52
Alaska, General, 1918-50
Alaska, 1951-52
Alaska, Palmer Laboratory, 1950-51
Albuquerque - Proceedings of the Quality of Water Branch Sediment Conference, 1952
American Chemical Society, 1950-51
American Water Works Association - Chesapeake Section, 1949-52
American Water Works Association - Miami Conference, 1946-47
Arkansas, General, 1946-47
Arkansas, Fayetteville Laboratory, 1947-48
Arkansas, Fayetteville Laboratory, 1948-49
Arkansas, Fayetteville Laboratory, 1949-50
Arkansas, Fayetteville Laboratory, 1950-51
Arkansas, General, 1951-52
Army, Department of, 1942-52
California, 1948-51
Colorado River Basin, 1945-51
Columbia River Basin, 1944-50
Equipment Development Laboratory - Columbus Ohio, 1949-51
Fish and Wildlife Service, 1947-51
Florida, Ground Water, 1946-52
Florida, Ocala, Laboratory, 1951-52
Florida, South and Central (includes Everglades Project), 1948-52
Florida State Geological Survey (includes the St. Johns River), 1942-52
Florida, Tallahassee, 1946-52
Florida, Pinellas County, 1943-49
Iowa, 1940-50
Iowa, Surface Waters, 1939-52
Kentucky, 1949-52
Louisiana, 1944-49
Louisiana, 1949-51
Louisiana, Investigations in Southwestern Louisiana, 1950-52
Maryland, 1949-51
Michigan, 1946-51
Mississippi River Basin, 1947-52
Missouri River Basin, 1949
Missouri River Basin, 1949-50
Missouri River Basin, 1950
Missouri River Basin, 1950-51
Missouri River Basin, 1951
Missouri River Basin, 1952
Navy Department, 1946-52
Nevada - Steamboat Springs, 1944-46
New Mexico, Albuquerque, 1946-47
New Mexico, Albuquerque, 1947-48
New Mexico, Albuquerque, 1948-49
New Mexico, Albuquerque, 1949-50
New Mexico, Albuquerque, 1950-51
New Mexico, Albuquerque, 1951-52
New Mexico, Albuquerque, (Frank C. Ames), 1951-52
New Mexico, Albuquerque, Sediment (Frank C. Ames), 1949-51
New Jersey, Ground Water, 1941-52
New York, 1947-52
North Carolina, Raleigh, 1946-47
North Carolina, Raleigh, 1947-48
North Carolina, Raleigh, 1948-49
North Carolina, Raleigh, 1949-50
North Carolina, Raleigh, 1950-51
North Carolina, Raleigh, 1951-52
Ohio, Water Resources Board, 1945-50
Ohio River Valley Water Sanitation Commission, 1948-50
Ohio, 1946-50
Ohio Regional Laboratory, 1947-48
Ohio Regional Laboratory, Columbus, 1948-49
Ohio Regional Laboratory, Columbus, Floor Plans, 1948
Ohio Regional Laboratory, Columbus, 1949-50
Ohio Regional Laboratory, Columbus, 1950-51
Ohio Regional Laboratory, Columbus, 1951-52
Ohio, Toledo Laboratory, 1947-48
Ohio, Toledo Laboratory, 1948-49
Oklahoma, Cooperation, 1946-47
Oklahoma, 1947-48
Oklahoma, Stillwater, 1948-49
Oklahoma, Stillwater Laboratory, 1949-50
Oklahoma, Stillwater Laboratory, 1950-51
Oklahoma, Stillwater Laboratory, 1951-52
Pacific Northwest, 1949-52
Pennsylvania, Ground Water, 1945-51
Pennsylvania, Surface Water (Projects), 1944-51
Pennsylvania, Schuylkill Haven Laboratory, 1947-52
Pennsylvania, 1946-52
Pennsylvania Requisitions, 1951
Pollution, 1947-50
Reclamation, Bureau of, 1945-52
Rubidoux Laboratory, 1945-52
Savannah River Salinity Studies, 1945-51
Schuylkill Haven, Pennsylvania; Philadelphia; Toledo - Purchase Orders, 1947-48
Schuylkill Haven, Pennsylvania; Philadelphia, Pa.; Columbus, Ohio, 1948-49 (Field Requisitions)
Schuylkill Haven, Pennsylvania; Philadelphia, Requisitions, 1948-50
South Carolina, Cooperation, 1945-51
Suggestions Committee
Temperature of Surface Waters, 1946-49
Tennessee, 1947-50
Texas, Austin, 1946-47
Texas, Austin, 1947-48
Texas, Austin, 1948-49
Virginia, 1943-51
Washington Office, Quality of Water, Requisitions, 1949-50
Washington Office, Quality of Water, Requisitions, 1950-51
Water Utilization Committee, 1950-52
Appendix 33

General Hydrology Branch - General Correspondence Files, 1920-59 (entry 636)

Organization and Management, Atlanta, Ernest L. Hendricks, 1952-56
Organization and Management, Salt Lake City, Harold V. Peterson, 1954
Organization and Management, Rocky Mountain Area, 1952-58
Organization and Management, Equipment Development - General, 1955-58
Organization and Management, Equipment Development, Laboratory (Keith S. Essex), 1956-59
Organization and Management, Delaware River Draft Report, 1958
Organization and Management, Project Hydrologist, Delaware River (Garald G. Parker [Sr.]), 1956-57
Organization and Management, Project Hydrologist, Delaware River (Garald G. Parker [Sr.]), 1958
Organization and Management, Project Hydrologist, International (Wilbur D. Simons), 1955-57
Organization and Management, Water Loss Investigations, 1949-57
Finance & Budget Fiscal Records, 1945-48
Finance & Budget, Technical Coordination Branch, 1949-54
Finance & Budget Purchase Orders, FY 1951
Finance & Budget Purchase Orders, Expense Vouchers, Travel Authorizations, FY 1952
Finance & Budget Accounts Expense Vouchers, FY 1953
Finance & Budget, Purchase Orders, FY 1953
Finance & Budget, Expense Vouchers, Purchase Orders, Fiscal Matters, FY 1954
Finance & Budget, Expense Vouchers, Travel Authorizations, Purchase Orders, Allotment Notices, FY 1955
Finance & Budget, Purchase Orders, Expense Vouchers, Allotment Advices, FY 1956
Finance & Budget, Allotment Advices, Fiscal Matters, FY 1957
Finance & Budget, Expense Vouchers, Purchase Orders, FY 1957
Finance & Budget, Allotment Advices, Fiscal Matters, FY 1958
Personnel, Analyzes & Research, 1946-51
Personnel, Information, ca. 1941-59
Personnel, Miscellaneous, 1941-53
Programs & Plans, Equipment Development Laboratory, 1955-59
Programs & Plans, River Basin Studies, Delaware River, 1956
Programs & Plans, River Basin Studies, Delaware River, 1957 (2 folders)
Districts, Albany District, 1940-50
Districts, Columbus District, 1939-50
Districts, Hartford District, 1940-50
Districts, Idaho Falls, 1952-53
Districts, San Francisco District - San Bernardino County, 1940-50
Districts, Tucson District, 1941-52
Sediment, Inter-Branch., 1948-54
Sediment, Salt Wahoo Basin, 1953
Soil & Moisture Program of Bureau of Reclamation, 1946-49
Soil & Moisture Conservation, Administrative, 1940-49
Soil & Moisture Conservation, Administrative, 1950-52
Soil & Moisture - Budget, 1940-53
Soil & Moisture - Budget, 1950-52
Soil & Moisture Conservation, Finance, 1940-50
Andreasen, Gordon E., 1948-53
Conklin, Howard L., 1948-56
Davenport, Royal W., 1933-58
Dickinson, William E., 1938-42
Dickman, Marian J., 1931-49

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Frese, Violet A., 1942-52
Graham, Jack B., 1942-54
Gumbel, E. J., 1941-53
Harbeck, G. Earl, Jr., 1945-53
Hendricks, Ernest L., 1952-53
Herlevi, Martha S., 1935-50
Hoyt, William G., 1954-56
Langbein, Walter B., 1938-52
Leopold, Luna B., 1950-53
McDonald, Charles C., 1946-53 (2 folders)
McDonald, Charles C., (Progress Reports), 1946-53
Muck, Kavanaugh, Musgrave, & others, in Office of Land Utilization, 1940-44
Peterson, Harold V., Administrative, 1940-53 (3 folders)
Peterson, Harold V., Hydrologic Investigations, 1941-52 (2 files)
Peterson, Harold V. - Personnel, 1942-53 (2 files)
Fort Collins, (Bernard N. Rolfe), 1951-53
Rolfe, Bernard N. 1951-56
Sherman, Irving, 1946-51
Cooperation - Bonneville Power, University of Washington, 1952-55
Equipment Development - General Correspondence, 1948-55
Highway Research Board, 1920-49
Miscellaneous, 1934, 1948-50
Reservoir Inventory, 1947-52
War Department, Chief of Engineers, 1937-54
Water, General; Weather Forecasts, 1953-54
Water Utilization, - Requests for Information, 1942-51

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Appendix 34

General Hydrology Branch - Records concerning Programs and Projects, ca. 1915-58 (entry 637)

Box 1  Reports [transmittal letters], 1953-56
        Peterson, Harold V., 1940-43
        Harbeck, G. Earl, 1951-56 (2 files)

Box 2  Task Force, Review of "A Water Policy for the American People," 1950-51 (2 binders)

Box 3  Minutes of meetings, Departmental Task Force to consider the Report of the President's Water Resources Policy Commission, 1951
        Minutes of meetings of the Water Resources Policy Review Committee and subcommittees, 1951

Box 4  Areal soil conservation, 1951-55
        Soil and moisture programs, 1951-57
        Departmental and Technical Review Staff, 1955
        Colorado A & M College, 1954-56
        Evaporation, 1954-56
        Water-loss Research Program, 1950-54
        Nebraska evapotranspiration studies (Bruning, Nebraska), 1951-56
        Water-loss conferences, 1954-55
        Evapotranspiration studies, 1952
        Preliminary investigation of the site for the proposed Evapo-Transpiration Project, Bruning, Nebraska, 1952

Box 5  Cheyenne River Basin, 1950-56
        Felt Lake Project, 1953-55
        Water-loss studies, Granby Reservoir, 1955
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Box 6  Lake Mead water loss studies, 1948-58 (2 files)

Box 7  Water-loss conferences, 1948-53
        Lake Mead administration and personnel, 1951-53
        Water-loss studies, accounts, 1951-52
        Water-loss studies, Rio Grande, 1951-52
        Lake Mead photographs, 1952-53
        Waterton-Belly and Souris-Red Rivers, 1946-49
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Box 8  Waterton-Belly Rivers investigations, 1951-53
        International - Waterton-Belly Rivers, Reference, 1954-57
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Box 9  Waterton-Belly Rivers Board, draft and reference material, 1949-55
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Box 11  Waterton-Belly Rivers, reports, 1948-53

Box 12  Columbia River Basin, Correspondence, 1944-55 (4 files)

Box 13  Columbia River, 1936-41

Columbia River, International Boundary, 1942-53 (2 files)

Columbia River, International Boundary, Reference, 1939-43

Box 14  Columbia River - Grand Coulee, Statements at Spokane Hearings, 1941

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Box 18  International Columbia River Engineering Committee, n.d.

"Water Resources of the Columbia River Basin: A Preliminary Report to the International Joint Commission," 1945 (2 copies)

"Columbia River Basin above Snake River: Index of Stream and Lake Gaging Stations, compiled from records to September 30, 1946," 1947 (2 copies)

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Box 19  "Supplemental Joint Report on Water Elevations, Columbia River, in the vicinity of the International Boundary for the period August 1, 1941 to December 31, 1951," 1952

"Preliminary Report on the Mica Dam Site, Columbia River, B.C., 1954"

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"Development of the Discharge Curve for Kootenay River at Grohman, B.C., under Present Conditions," 1951 (2 copies)
"Comment and Hydraulic Studies re the Application of Peter Charles Bruner to the International Joint Commission," 1936
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"Application to the International Joint Commission for Permission for Storage of Water in Kootenay Lake in addition to the storage authorized by the Order of Approval dated the Eleventh Day of November, 1938"
"Kootenay River Discharge below Kootenay Lake," 1939
Memorandum concerning "Kootenay River Discharge below Kootenay Lake," by T. M. Paterson, 1940 (4 copies)
"First Annual Report (for the calendar year 1939) of the International Kootenay Lake Board of Control," 1940
"Memorandum re Kootenay Lake Storage Diagram," 1940
"Memorandum re Kootenay River Discharge, Discussion of Questions Raised by Mr. Davenport," 1940
"Development of the Discharge Curve and Storage Diagram for Original Outlet Conditions," 1941 (3 copies)
"Memorandum concerning the application of records of the Slocan River at Shoreacres, B.C. to the determination of the original stage-discharge relation of Kootenay River at Nelson, B.C.," 1941
"Consumptive Use of Water Studies in Idaho," 1945
"Preliminary Estimates of the Plumbob Dam Site, Kootenay River, B.C.," 1950
"Interim Report on Kootenay River to the International Joint Commission by the International Columbia River Engineering Board," October 3, 1950
"Kootenay River, An Interim Report to the International Joint Commission," November 1, 1950
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Box 29
"Memorandum re Conditions in the Kootenay Valley in the vicinity of Creston, British Columbia," 1940
"Memorandum re Kootenay River Discharge, Discussion of Points Raised in Mr. Davenport's Memorandum of August 12, 1940," 1940
"Development of the Discharge Curve and Storage Diagram for Original Outlet Conditions," 1941 (3 copies)
"Memorandum concerning the application of records of the Slocan River at Shoreacres, B.C. to the determination of the original stage-discharge relation of Kootenay River at Nelson, B.C.," 1941
"Consumptive Use of Water Studies in Idaho," 1945

Box 30
Sage Creek, 1945-51 (3 files)
"Report to the International Joint Commission on Floods in the Osoyoos Lake Area," 1946
Missouri River Basin, 1945-48

Box 31
St. Mary and Milk Rivers, reports and documents, 1915-42 (7 items, printed)
Great Lakes and St. Lawrence Waterway, reports and congressional documents (6 items printed)

Box 32
St. Paul District Office, General, 1928-51
International investigations, St. Paul District, 1954
Basswood River, 1940
Pigeon River, St. Paul District, 1933-47
Rainy River, St. Paul District, 1934-57
Souris River, St. Paul District, 1939-47
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Box 33  Surface water and drainage, Minnesota, published reports and articles (13 items, printed)
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Box 34  "Water Resources of the Saint John River Basin, Quebec, Maine, New Brunswick," Interim report to the International Joint Commission, 1952 (3 volumes)
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Box 35  Special Board, Interior, Principles regarding water and power, U.S. and Canada, 1951-55
Departmental Board on International Water and Power Projects, 1954-57 (2 files)
Departmental Board on International Water and Power Projects, Correspondence, 1955-58
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Box 36  Pacific Northwest Governors' Policy Committee, 1954-58 (2 files)

Box 37  Mexican Treaty, 1944-45
Miscellaneous bound booklets
Appendix 35

General Hydrology Branch - Reports and other Records concerning Water Sources for Livestock, 1942-59
(entry 638)

1942:
"Geology and its effect on flood runoff in the Lower Moapa Valley, Nevada"
"Proposed locations of wells in Arizona Grazing District No. 4, Kingman, Arizona"
"Location of proposed well in the vicinity of Frazier Well, Hualpai Indian Reservation, Arizona"
"Probable effects which may be expected on water resources on Indian lands located in Taos County, New Mexico, as a result of the drilling of wells in the vicinity of those lands by the Water Facilities Board"
"Prospective well sites for stock-watering purposes in Hurricane Grazing District No. 1, Arizona"
"Proposed location of stock-water wells in Arizona Grazing District No. 2, Kingman District"
"Location of prospective sites for stock wells in Arizona Grazing District No. 3"
"Location of stock-well sites in the Hopi Indian Reservation, Arizona"
"Suggestive water development program for wild life, Organ Pipe Cactus National Monument, Arizona"
"Location of prospective stock-water well sites and comments on other phases of soil and moisture activities being carried on in the Navajo Reservation, Arizona and New Mexico"
"Development of watering places for wild life in Wupatki National Monument, Arizona"
"Location of prospective well sites for stock-water wells in the Hualpai Indian Reservation, Arizona"
"Prospects for providing a ground water supply sufficient for irrigation of a proposed feed center located on the Hassayampa Plain near Wickenburg, Arizona"
"Prospective locations for stock-wells in the Big Sandy Valley, Arizona"

1943
"Results of geophysical measurements on the Papago Indian Reservation, Arizona, and near Kingman, Arizona"
"Prospective stock-well sites in Arizona Grazing District No. 2"
"Some prospective stock-well sites in Nevada Grazing District No. 5"
"Some prospective stock-well sites in the Papago Indian Reservation, Arizona"
"Some prospective well locations in Arizona Grazing District No. 3"
"Observations regarding some proposed spring development in the Hualpai Indian Reservation, Arizona"
"Prospective stock-well sites in Arizona Grazing District No. 4, Graham and Greenlee Counties, Arizona"
"Development of springs and location of prospective stock-wells in Nevada Grazing District No. 5"

1944:
"Some prospective stock-well sites in Nevada Grazing District No. 4"
"Results of recent resistivity explorations for stock-well locations in the Kingman Grazing District, Arizona"
"Prospect for developing ground-water supplies near Shiprock, New Mexico, and near Peach Springs, Arizona"
"Prospects for obtaining a school well near Nagesi Trading Post, San Juan County, New Mexico"
"Description of proposed stock-well sites in Grazing Districts Nos. 1, 2, 3, 4, 5, and 6, New Mexico"
"Investigation of proposed stock-well sites in Grazing Districts Nos. 2, 10, 3, and 4, Utah Region"
"Prospective stock-well sites in Vermillion Grazing District No. 11, Utah"
Prospective stock-well sites, stock tanks and spring developments in Escalante Grazing District No. 5, Utah

"Prospective stock-well sites in Grand Grazing District No. 9, Utah"

"Proposed stock-well sites in the San Rafael Grazing District No. 7, Utah"

"Prospective stock-well sites in Duchesne Grazing District No. 8, Utah"

"Water supply at the Carson Colony, Jack's Valley Ranch and the Dresslerville Colony, Nevada"

"Prospective stock-well sites in the Virginia City Grazing District, Nevada"

"Prospective stock-well sites in Jordan Valley Grazing District No. 4, Oregon"

"Stock-water development in parts of the Owyhee Desert located west of the South Fork of the Owyhee River and south of the Nevada-Oregon Boundary. All within the Elko Grazing District"

"Stock water development in parts of the Pyramid Grazing District, Nevada"

"Suggestions concerning range water developments in parts of the Elko Grazing District, Nevada"

"Prospects for obtaining a successful well in the Ferguson Desert, Western Utah"

"Proposed stock-watering projects on public domain in Coconino, Maricopa, Yavapai and Yuma Counties, Arizona"

"Prospective stock water developments on Indian allotments in the Southwestern part of Oregon Grazing District No. 4"

"Stock-water supplies on public domain in Estancia Valley and Encino Basin, New Mexico"

Prospective stock-well sites in the Fort Hall Indian Reservation, Idaho

"Prospective stock-well sites in Safford Grazing District No. 4, Graham and Greenlee Counties, Arizona"

"Prospective stock-well sites in the Bonneville and Pahvant Grazing Districts, Utah"

"Examination of proposed stock-well sites on public domain in Maricopa and Yavapai Counties, Arizona"

"Prospective stock-well sites in Maricopa Grazing District No. 3, Arizona"

"Location of prospective stock-well sites in the Goshute and Independence Valleys, Nevada"

"Domestic water supply for the Moapa Indian Agency, Nevada"

"Examination of proposed stock-well sites in Tensleep Grazing District 1, Wyoming"

"Examination of proposed stock-well sites on the Horse Prairie Soil and Moisture Project in Grazing District 5, Montana"

"Examination of proposed well site in Bridger Grazing District 4, Montana"

"Examination of proposed stock-well sites on public domain in Beaverhead and Madison Counties, Montana"

Prospective well sites on Adams and Anderson leases on public domain near Winkelman, Arizona

"Examination of proposed well site on Wickenburg community allotment, Maricopa Grazing District 3, Arizona"

"Examination of proposed well sites in Wyoming Grazing District 2"

"Prospects of stock-water wells on the Arapahoe Tribal Pasture, Wind River Indian Reservation, Wyoming"

"Water-supply studies and investigations for proposed new school sites and enlargement of existing schools on the Navajo Indian Reservation"

"Examination of proposed stock-well sites on public domain in Pima County, Arizona"

"Proposed stock-well sites in Grazing Districts 1-4, 6 and 7, New Mexico"

"Proposed stock-well sites in the Indian Wells Valley and Cuddleback Lake Valley, California"

"Proposed stock-well sites in the San Rafael Grazing District No. 7, Utah"

"Proposed stock-well sites in the Western part of the Pahvant Grazing District No. 3, Utah"
1948:  
"Failure of stock-water reservoirs in Rich County, Utah"  
"Prospective stock-well sites in the Big Sandy Valley and in the area west of McCracken Mts., Arizona"  
"Reservoir lining materials located in Escalante Grazing District No. 5, Utah"  
"Examination of proposed well-site on stock trail near Mayoworth, Wyoming"  
"Prospective stock-well sites on the Day and Stevens grazing allotments, Greenlee County, Arizona"  
"Investigations of range-water prospects in part of the Wind River Indian Reservation, Wyoming"  
"Location of prospective stock-well sites in the Ruby and Steptoe Valleys, Elko County Grazing District, Nevada"  
"Prospective stock-well sites in the Paradox, Disappointment and Pioneer Valleys, Colorado"  
"Prospective stock-well sites in the Lakeside Mountain Region, Utah"  
"Stock water development in Little Gypsum and Pioneer Valleys, Montrose and San Miguel Counties, Colorado"

1949:  
"Range water resources of a part of the Elko Grazing District, Elko County, Nevada"  
"Examination of proposed well-site in Cumberland Unit, Grazing District No. 4, Wyoming"  

1950:  
"Prospective stock-well sites in Arizona Grazing District No. 2, Kingman, Arizona"  
"Prospective stock-well sites in the Tule Valley and Charleston Mountain Area, Nevada"  
"Prospective stock-well sites in the Arizona Grazing District No. 3, Wickenburg, Arizona"  
"Prospective stock-watering sites in Bonneville Grazing District, Utah No. 2"  
"Examination of proposed stockwell sites in Grazing District 5, Wyoming"  
"Prospective stock-well sites in the Duckwater Area, Nye and White Pine Counties, Nevada"

1951:  
"Stock watering sites on parts of the Arizona Strip"  
"Prospective stock-well sites in the Puddle Valley Area, Tooele County, Utah"  
"Investigation of well site in Topaz Valley, Juab County, Utah"  
"Examination of possible stock-water well sites in the Stansbury Mountain Area"  
"Water losses from stock reservoirs in Cheyenne Basin as indicated by performance of observation reservoirs during 1950-1951 water year (supplement to report "the effect of stock reservoirs on runoff in the Cheyenne Basin above Angostura Dam")"  
"Prospective stock-well sites in the area Southwest of Cuba, Sandoval County, New Mexico"  
"Proposed stock-well site on the Alejandro Gallegos Allotment, Santa Fe County, New Mexico"  
"Prospective stock-well sites in Trout Creek Area, Juab County, and Grassy Mountain Area, Salt Lake County, Utah"  
"Stock water prospects and erosion problems in the Grand Gulch and Slick Horn Areas, San Juan County, Utah"  
"Stock-well site investigations in the Desert Area Southeast of Escalante, Garfield County, Utah"  
"Investigation of stock-water development possibilities, Arapahoe Ranch, Wind River Indian Reservation, Wyoming"  
"Prospect for obtaining a well and for spring development along the east side of Cedar Mountain in unsurveyed T. 4 S., R. 11 W., Tooele County, Utah"  
"Prospective stock-well site in the Dugway Mountain Area, Tooele County, Utah"  
"Proposed stock-watering site on Moccasin Mountain, Mohave County, Arizona"  
"General prospects of stock-water development by wells in the Nipple Rim, Seven Mile Ridge, and Great Divide Areas, Moffat County, Colorado"  
"Water supply for the St. George, Washington County, Utah C. A. A. Station"

1952:  
"Island Ranch proposed stock-well site in Skull Valley, Tooele County, Utah"  
"Examination of proposed well site near the Pryor Mountains in Bridger Grazing District 4, Carbon County, Montana"  
"Examination of proposed well site in the Carter Draw Area, Grazing District 2, Fremont County, Wyoming"
"Examination of 4 proposed well sites in Northwestern Natrona County near Lost Cabin, Wyoming"
"Prospective stock-well sites in Twin Falls Grazing District west of Malad, Oneida and Power Counties, Idaho"
"Further investigations for stock-watering sites on parts of the Arizona "Strip"
"Investigations of possible stock-well sites in western Mesa County, Colorado"
"Location of prospective stock-well sites in the area west of Rio Grande, San Ysidro Grazing District No. 1, New Mexico"

1953:
"Stock-well investigation in the eastern part of Elko Grazing District, Nevada"
"Examination of proposed well site near Elk Mountain, Grazing District No. 4, Lincoln County, Wyoming"
"Prospective stock-well sites in the Honey Lake Grazing District a few miles east of Susanville, California, and in the Cal-Neva Unit near Flanigan, Nevada"
"Report of an examination of the Fort Duchesne, Utah, Area"

1954:
"Examination of proposed well sites in the Red Desert Area, Grazing District No. 4, Sweetwater County, Wyoming"
"Stock-well investigations along the Owyhee River in southeastern Oregon" (draft and report)
"Stock-well investigations in the Denio Area, Harney County, Oregon" (draft and report)
"A report of well-site investigations in four areas in Pyramid Grazing District, Humboldt County, Nevada"
"Examination of proposed well sites in the Sand Gulch and Crooks Mountain Areas, Fremont County, Wyoming"
"Prospective well sites near Kanab, Utah"
"Examination of the Bitner Well, Massacre Lake District, Nevada"
"Examination of proposed well sites in southern and eastern Elko County, Nevada"
"Examination of proposed well site in Gobbler Draw, Grazing District No. 1, Carbon County, Montana"
"Estimated precipitation and runoff for the Arizona Strip"
"Report of geological conditions at several reservoir sites in the Hurricane Wash Drainage Basin, Mohave County, Arizona"
"Stock-water development program for the Bonneville Grazing District, Tooele and Joab Counties, Utah"
"Report of geological conditions at several reservoir sites in the Hurricane Wash Drainage Basin, Mohave County, Arizona"
"Proposed well site near Bumblebee, Yavapai County, Arizona"
"Proposed well site locations in Elko County, Nevada"
"Prospective well sites in Nye and White Pine Counties, Nevada"

1955:
"Proposed headquarters well site in the San Simon Valley near Bowie, Arizona"
"Supplemental stock-well studies in Utah, Tooele, and Juab Counties, Utah"
"Examination of proposed well sites in the Worland-Hyattville, and No Water Creek Areas, Washakie County, Wyoming"
"Examination of proposed well sites in the Whiskey Gap and Arkansas Creek Areas, Carbon County, Wyoming"
"Examination of proposed well sites near Fremont Butte, Grazing District No. 5, Sublette County, Wyoming"
"Examination of proposed stock-well sites near Muskrat Creek, Grazing District No. 2, Fremont County, Wyoming"
"Examination of proposed well sites near Boulder Lake, Sublette County, Wyoming"
"Proposed test well in the Cane Spring Desert, Garfield County, Utah"
"Proposed land treatment program near Canon City, Bureau of Land Management District 8, Colorado"
"Prospective stock-wells in Boise Grazing District, Owyhee and Elmore Counties, Idaho"
"Prospective stock-wells in the Salmon Grazing District, Idaho"
"Examination of proposed Arrow Head Dam Site on E-K Creek, Natrona County, Wyoming"

1956:
"Prospective stock-well sites - Rio Grande Valley, New Mexico"
"Examination of proposed well sites near Baggs, Carbon County, Wyoming"
"Proposed well site on Jackson Wash, Washington County, Utah"
"Prospective stock-well sites in Nevada Grazing District No. 5, Lincoln County, Nevada"
"Examination of proposed well sites in Elko Grazing District, Nevada"
"Examination of proposed stock-well sites in Southeastern Montana, Powder River Grazing District No. 3"
"Examination of proposed stock-well site at Poncha Pass Reseeding Area, Saguache County, Colorado"
"Examination of proposed stock-well sites in Grazing District 5, Wyoming"
"Additional stock-well sites in the Honey Lake Grazing District, Lassen County, California"
"Stock-well investigations in Twin Falls and Owyhee Counties, Idaho"
"Examination of proposed well site in Grazing District 4, White Pine County, Nevada"
"Examination of proposed stock-well sites in Grazing District 5, Lincoln County, Idaho"
"Examination of selected grazing allotments in Bureau of Land Management Grazing District M-5 Montana, for development of stock-water wells"
"Proposed drilling on the Sand Hills Unit, Utah Grazing District No. 11"
"Investigation of proposed stock-well sites near Eagle, Colorado, in Colorado Grazing District 2"
"Investigation of proposed well sites on Bureau of Land Management District 4, Colorado"
"Further investigations and recommendations on the proposed Zumwalt Detention Structure - Hurricane Wash, Arizona"
"Proposed well site in the Vance Agee Allotment near O'Neil, Elko County, Nevada"
"Proposed well sites in the La Sal Area, San Juan County, Utah"
"Examination of proposed dam sites in New Mexico, Districts 1 and 7"
"Examination of proposed well sites in Basin Grazing District, Harney County, Oregon"
"Proposed well site near Grassy Mountain, Tooele County, Utah"
"Development of stock-water sources in the Madeline Plains Community Watershed, Lassen County, California"
"Examination of proposed well sites on Eighteen Mile Creek Area in Bureau of Land Management District 4, Wyoming"

1958:
"Examination of several proposed well sites and reservoir sites in the Arizona Strip, Mohave County, Arizona"
"Examination of proposed well sites on the west side of San Luis Valley, Colorado"
"Proposed well sites near Squaw Mountain, Southwestern Elko County, Nevada”
“Well site examinations in the Carson City Grazing District, Nevada”
"Examination of proposed well sites near Warren in Grazing District No. 4, Carbon County, Montana"
"Examination of proposed well locations in Northeastern Fergus County and eastern Petroleum County, Grazing District 6, Lewistown, Montana"
"Examination of proposed stock-well sites in Escalante Grazing District No. 5, Wayne County, Utah"
"Examination of proposed well sites in the Vermillion Grazing District 11, Utah"
"Examination of proposed well sites in Grazing District 5, Lincoln County, Idaho"
"Examination of proposed well sites in Grazing District 1, Owyhee and Twin Falls Counties, Idaho"
"Examination of proposed well sites in the Minidoka Division, District 3, Butte County, Idaho"
"Examination of proposed well sites on public domain in Esmeralda County, Nevada"
"Examination of proposed stock-well sites in Twin Falls Grazing District 2, Twin Falls County, Cassia County, and Oneida County, Idaho"

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"Examination of two grazing allotments near Saguache in the northwestern part of San Luis Valley, Colorado, for prospective stock-well sites"

"Proposed wells along the Tongue River and Powder River, Custer, Rosebud, and Powder River Counties, Montana"

1959:

"Examination of proposed well site in Red Gulch Creek near Shell, Wyoming"

"Examination of seven proposed well sites in Grazing District No. 4, Carbon County, Montana"

"Proposed well site in Horse Hollow, Cedar City Valley, Iron County, Utah"

"Prospective stock-well sites in Lassen and Modoc Counties, California"

"Proposed test drilling near Fall River Mills, Shasta County, California"

"Hydrology of stock-water development in eastern part of Owyhee Grazing District, Idaho"

"Examination of proposed well sites in Eighteen Mile Canyon and Bridger Bench Areas in Bureau of Land Management District 4, Wyoming"

"Proposed well sites on Grand Wash, Mohave County, Arizona"

"Examination of proposed well site areas along the north side of Fort Peck Reservoir and Phillips and Valley Counties, Montana"

"Examination of three proposed well sites in Grazing District 5, Montana"

"Examination of proposed well site, Niobrara County, Wyoming"

"Proposed well sites in the Longview Grazing District, Oregon"

"Examination of proposed well site near Big Piney in Bureau of Land Management District 5, Wyoming"

"Examination of proposed well sites in Bureau of Land Management Grazing Districts 1 and 6, Garfield, Rio Blanco, and Moffatt Counties, Colorado"
Appendix 36

General Hydrology Branch - General Files of the Reports Section, 1889-1966 (entry 639)

1800  Broad River at Anthony Shoals, Georgia - W. J. Lester, 1905, 1906
1801  Allotments and Appropriations, 1889-1908, 1935; Roster of Employees, 1905; Essays on Water Resources Investigations of Survey, and Division of Hydrology, n.d.
1802  Data regarding streams in San Diego and Riverside Counties, Calif., 1906: Floods in Southern California, 1914, 1916
1806  Methods of obtaining flood discharge measurements, 1906
1808  "Hydrographic Gazetteer Memoranda" for waterways in Minnesota, South Dakota, and Iowa, n.d.
1809  Runoff data from New England stations, 1907-8; Runoff data for the Potomac River, Shenandoah River, James River, Eastern Maryland Streams, Raritan River, Passaic River, Susquehanna River, Allegheny Drainage, Wabash Drainage, and Savannah River, ca. 1906
1810  Elevations and Distances along the Mississippi River, n.d.
1832  Minnesota River, 1906
1833  "Mexico and Her Opportunities," by Winthrop E. Scarritt, 1906
1856  Graefenburg Hydrophysical Station, near Utica, New York, 1904-6
1965  Replies concerning available data on surge at gaging stations, 1925 (in response to a request in the December, 1924 newsletter): Comments on fluctuations, 1941
1966  Newspaper clippings and a list of "popular" articles on conservation, ca. 1908-11
1967  Great Lakes and Saint Lawrence River, 1895, 1896, 1921, 1942
1977  Lock-Bar Steel Pipe, 1907
1987  Mill Creek near Old Fort, North Carolina, 1907, 1931, 1950
1992  (Head) Fall-Increasers, 1908
1993  Sketch map showing the Platt National Park and the town site of Sulphur, Indian Territory, n.d.
1996  "Niobrara River near Spencer, Nebraska -- Description of station and Instructions for computing records, September 1940"
2062  Nicholson Ship Log Company, 1904, 1907-8
2073  Number of water-power centers listed by State and Territory, 1908; Estimate of streamflow and water-power in the United States, 1908; Graph showing "Floods on Alabama River at Selma, Ala., 1892-1907"
2183  Mississippi and Ohio Rivers, flood and miscellaneous data, 1895-1914, 1927; Postcards of the Paris flood of 1910; Northeastern Flood, 1955-57; Far West Flood, 1955-58
2184  Acts passed by Congress authorizing the construction of dams across navigable rivers for Power Purposes, 1896-1906; Available water-power at private dams, n.d.; Available water-power at the U.S. Government locks and dams, 1904; List of State Boards and Commissions of water supply, drainage, etc. n.d.; Maintenance charges, United States locks and dams, 1906; Norkfox Dam, Glommen, Norway, photograph and plotted charts, n.d.

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Map - Distribution of Under Ground Waters in the San Joaquin Valley, 1905
Comparisons of stations on Umpqua River, Oregon, n.d.
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Water-Supply Paper No. 281, and Federal Report, 1910, regarding publication, 1910-12
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3081 Instructions regarding publications and reports, General, 1902-11; 1910 Instructions regarding publications and reports; 1911 Instructions regarding publications and reports; 1912 Instructions regarding publications and reports; Instructions re publications and reports, 1911-20; Instructions, Memorandums, etc. - Computing Section, 1911-12; Survey Circulars and Bulletins, 1933-43

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3083 Automatic Gages, 1889-1957
3084 Meters - tests, rating, and installation, 1897-1957
3085 Cables and Cars, 1930-55; Arizona District - plans for cable cars, reels, protractors, 1922-25;
3086 Methods of making systematic streamflow measurements, 1903-41
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3087-A Velocity, maximum measured, 1948-59
3088 Ice Measurements and Winter Work, 1908-49
3089 Accuracy of steam gaging, 1903-57: replies to circular letter of November 14, 1903, 1903-4; replies to memorandum of February 27, 1920

3091 Reports, Progress, etc., 1906-8
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3092-A Office Manual, 1920-55
3092-C Office Manual, Water Resources Branch Circular, October 5, 1945 (Replies and Summary), 1944-46
3093 Radio in Stream Gaging, 1946-47
3100 Eau Claire River at Wausau, Wisconsin (cross reference only, 1914)
3174 "Water Resources of the Jordan Valley District, Oregon," by L. W. Roush, 1914
3216 "Water Resources of Salmon Falls Creek near San Jacinto and Contact, Nevada," by Arthur W. Harrington, 1914
3218 Gaging station on Squaw Creek near Goldendale, Washington, 1912-13
3250 Gaging station on Hood River near Tucker's Bridge, Oregon, 1913
3306 Water-Supply Paper No, 370, regarding publication, 1914-15
3340 Missouri River at Hermann, Missouri, Special Computations, 1898-1928
3434 Discharge Integrators, 1914-66
3434-A Graph Subdivider, 1945-46
3512 Canyon Creek, at Bowman's Dam, near Emigrant Gap, California, 1913-14
3564 Little Tennessee River at Judson and Almond, North Carolina, Nantahala River at Almond, North Carolina, and the Tuckaseegee River at Bryson City, North Carolina, 1912-13
3741 Massachusetts Special Report, 1915-16
3949 "The Preservative Treatment of Farm Timbers," n.d.
3950 "Partial Report--on the Swamp and Overflow Lands of the United States," Sledge Tatum, 1910; Miscellaneous pictures of swamps, probably collected by R. Follansbee during 1908-9
3951 Level Rod Tripod, 1925; Gurley Levels, and Leupold and Voelpel Levels, 1913
3953 Observations of Tidal Currents, 1914
4286 Waterfalls, 1907-53
4389 "Report on Cable Installation--Gila River near Clifton, Arizona," 1932
4443 Datum Planes, 1912-14
4770 Compilation of Monthly Discharge Records - Atlantic Coast Rivers, ca. 1897-1910;
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D-100-6A-14 Red Rock River, Montana, 1945 [township diagrams]
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