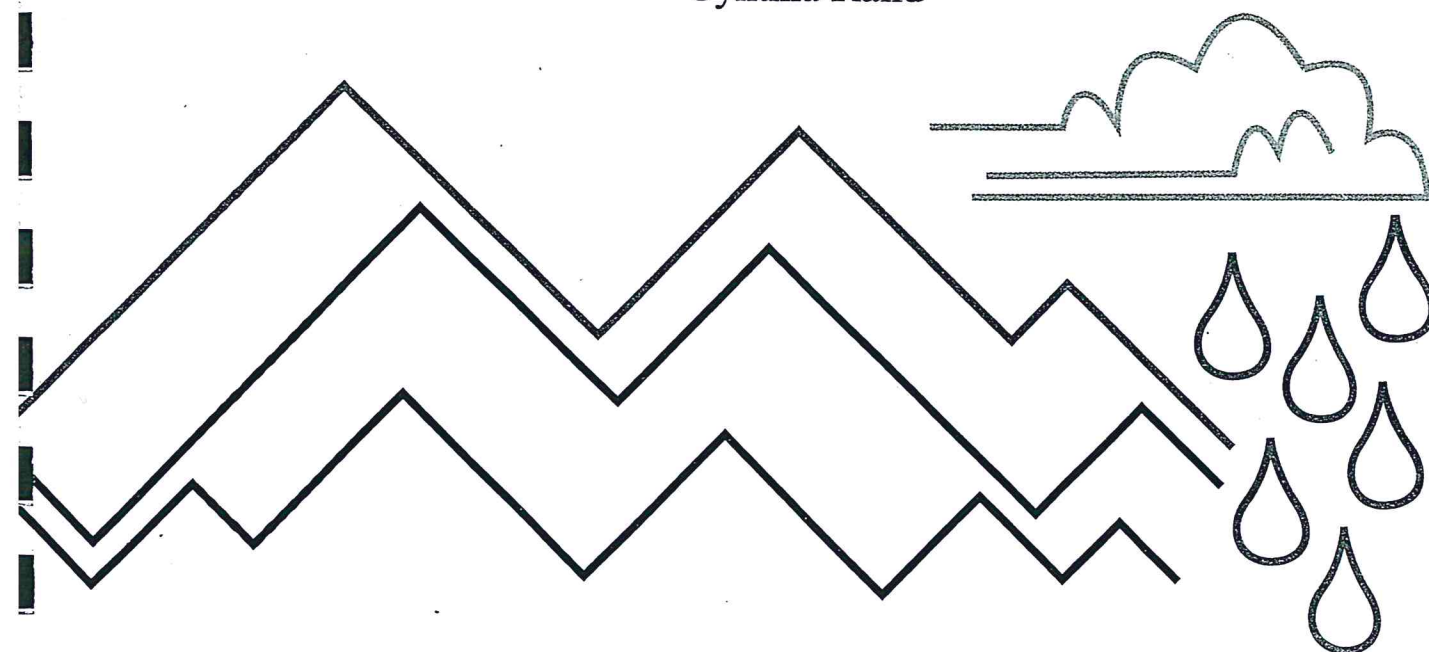


THE RECORDS OF THE ROCKY MOUNTAIN HYDROLOGIC RESEARCH CENTER

A guide
compiled by
Cynthia Rand



Water Resources Archive

A joint project of the University Libraries, the Colorado Water
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TABLE OF CONTENTS

Access and Services.....	3
History.....	4
Acquisition Information.....	4
Processing Information.....	4
Preferred Citation.....	5
Scope and Contents.....	5
Series Descriptions.....	5
Inventory.....	7

ACCESS AND SERVICES

Persons interested in this collection should call or write ahead, as far in advance as possible, to discuss their research projects and to arrange times for access and assistance that are mutually agreeable. This allows staff to assemble the necessary material and finding aids. If appropriate, descriptive documents can be copied and sent to a researcher prior to the visit.

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Collection policy stipulates that no food, drink, tobacco or other potentially harmful substance or object may be brought near to original material. Only persons directly engaged in research are granted access to the Colorado State University Water Resources Archive. Persons accompanying researchers are invited to use Morgan Library and other campus facilities. The Lory Student Center has stores, restaurants, study lounges and recreational areas. These policies minimize the handling of rare material and allow the best use of staff resources.

Prior to arranging access to original material, researchers should be familiar with appropriate secondary sources. Please complete a thorough study of your subject in books, periodicals and other publications before approaching original documents.

Archival research is usually a slow, methodical process that involves handling fragile material. Pace yourself as necessary to preserve the documents' original order and condition, with all attachments retained. Plan to use a soft pencil for taking notes. Discuss any copying with the staff.

Persons consulting material should carefully record their research. Some collections are large, and their contents can be of similar appearance. Often, researchers using primary documents over time can lose track of which specific files have been searched. Accurate records avoid wasting work.

Researchers' access to collections may depend upon an agreement, in advance, to honor specific conditions. Many manuscripts are not in the public domain, and researchers are individually responsible to address any copyright issues. Some collections contain restrictions. Please consult the staff.

THE RECORDS OF THE ROCKY MOUNTAIN HYDROLOGIC RESEARCH CENTER

History

Chesley J. Posey founded the Rocky Mountain Hydraulic Laboratory (RMHL) in 1945 in Allenspark, Colorado. He discovered the location during a summer he lived in Estes Park. The Articles of Incorporation stated the purpose of the laboratory: "To establish and maintain facilities for the conduct of scientific experiments in hydraulics and related fields, to foster the carrying out of such experiments, and to inform the engineering profession of the results of the investigations undertaken." The laboratory served as a summer residence for students and professionals interested in water experiments.

Posey received his bachelor's degree in 1926 from the University of Kansas and his master of science from the University of Illinois at Champagne-Urbana in 1927. He started teaching at the University of Iowa in 1929 and was head of the Department of Engineering from 1949 to 1962. In 1962 he taught in the University of Connecticut's engineering department until his retirement. He died in 1991 in Iowa.

In 1985 the USGS took the responsibility of RMHL. Due to the laboratory's inactivity for a few years, a disagreement of the laboratory's goals, and the need to pass on Posey's responsibilities, the Trustees decided to ask the United States Geological Survey (USGS) of the Department of the Interior to take over the operation of RMHL.

In 1991 the laboratory's name changed to the Rocky Mountain Hydrologic Research Center to reflect "the organization's capability of conducting a broad range of hydrologic and environmental science investigations in headwater areas of the Rocky Mountains."

Information on the history of the Rocky Mountain Hydraulic Laboratory was taken from *Research in the Rockies: An Historical Retrospect of the Rocky Mountain Laboratory and the Rocky Mountain Hydrologic Research Center* by the Colorado Water Resources Research Institute, research and writing by Jill Marsh, located in this collection.

Acquisition Information

The Colorado State University Water Resources Archive acquired the collection in July 2001 from the Colorado Water Resources Research Institute.

Processing Information

Processing completed in January 2002 included removal and disposal of duplicate forms and publications beyond the second copy. The collection was also reboxed.

Preferred Citation

The Records of the Rocky Mountain Hydrologic Research Center, Colorado State University Water Resources Archive, Colorado State University.

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Scope and Contents

The Records of the Rocky Mountain Hydrologic Research Center consists of documents dated from the 1930s to 1995 and created in relation to the Center's meetings, operations, research and other activities.

The collection consists of four series in three boxes:

Series I: Rocky Mountain Hydraulic Laboratory Trustees Papers

Series II: Facilities

Series III: Financial

Series IV: Research and Publications

Series Descriptions

Series I: Rocky Mountain Hydraulic Laboratory Trustees Papers, 1939 - 1995

The series consists of minutes, agendas, and correspondence. Folders are arranged alphabetically, and then chronologically.

Series II: Facilities, 1946 - 1991

The series contains information regarding the land and equipment used by the Rocky Mountain Hydraulic Laboratory. Folders are arranged alphabetically.

Series III: Financial, 1945 - 1985

The series consists of IRS yearly tax forms, receipts, and bank statements. Folders are arranged chronologically.

Series IV: Research and Publications, 1933 - 1995

The series consists of research computations, notes, and correspondence, as well as publications of RMHL based on their research findings. The publications are numbered

in order of the publications list located at the beginning of the series. The remaining correspondence and data are in chronological order. A history of the Rocky Mountain Hydraulic Laboratory written in 1995 is located at the end of the collection with an audiocassette of interviews. Additionally, a publication about the Rocky Mountain Hydrologic Research Center created by the Colorado Water Resources Research Institute contains copies of the Research Center's Incorporation papers, trustees, publications, and map access routes to the Center.

INVENTORY

Box 1

Series I: Rocky Mountain Hydraulic Laboratory Trustees Papers

Agendas / Minutes of Meetings, 1978 – 1991. e70pp.

Announcements of Annual Meetings. 1946 – 1984. e40pp.

Annual Meeting, Mailing List. 1982 – 1983. e50pp.

Articles and Bylaws 1945, 1947, 1982. e40pp.

[Articles of Incorporation, By-Laws and U.S.G.S. Agreement. 1945, 1985, 1992.]
e20pp.

Attendance at Annual Meetings, [with photographs]. 1950 – 1981. e35pp.

Colorado Registered Agent. 1989. 4pp.

Colorado Secretary of State, Fall 1971 correspondence. e30pp.

[Contracts, correspondence, articles on water, insurance. 1960s – 1980s.] e30pp.

Corporate Report, odd years. 1972 – 1981. e70pp.

Correspondence. 1939 – 1952. e130pp.

Correspondence. 1953 – 1960. e130pp.

Correspondence. 1961 – 1973. e80pp.

Correspondence. 1974 – 1982. e100pp.

Correspondence. 1983 – 1984. e150pp.

Correspondence. 1985 – 1991. e100pp.

First Four Annual Meetings, correspondence, attendance lists. 1946 – 1952.
e60pp.

Insurance. 1984 – 1985. 10pp.

Matthes correspondence. 1964. 1p.

Posey Second Donations to Memorial Fund [with Posey obituary]. 1991. e100pp.

Posey, C.J. – R.W. Powell, Secretary. 1966 – 1973. e80pp.

R.W. Powell, Secretary. 1953 – 1973. e200pp.

RMHL correspondence. 1963 – 1977. e120pp.

RMHL Minute Book. 1945 – 1970. e200pp.

RMHL Minutes. 1963 – 1987. e130pp.

RMHL Papers [History of RMHL, Letter to Trustees. 1958.] e30pp.

RMHL [Trustees and Officers]. 1950 – 1990. e40pp.

RMHL Trustee's Meeting. March 1991 – Jan. 1992. e130pp.

Roster. 1984 – 1990. e200pp.

Trustee Liability. 1987 – 1989. 10pp.

Workmen's Compensation Act Notices and Forms, Posters, Policy. 1968 – 1974.
e40pp.

Trustees Meetings

1963. 5pp.

1964. e20pp.

1965. e30pp.

1966. e15pp.

1967. e30pp.

1968. e30pp.

1969. e40pp.

1970. e30pp.

1971. e20pp.

1972. e40pp.

1973. e20pp.

Box 2

Trustees Meetings, cont.

1974. e30pp.

1975. e40pp.

1976. e40pp.

1977. e30pp.

1978. e40pp.

1979 Corporate Report Year. e30pp.

1980. e20pp.

1981 Corporate Report Year. e30pp.

1982. e30pp.

1983 Corporate Report Year. e30pp.

1984. e60pp.

1985 Corporate Report Year. e30pp.

RMHL 1985 – 86 – 87. e20pp.

1986. e30pp.

1987. e40pp.

1988. 6pp.

1989. e100pp.

1990. e80pp.

1991. e80pp.

[“Program, Abstracts and Contributed Papers 50th Anniversary Annual Meeting R.M.H.R.C.” with black and white photographs. 1995]. e30pp.

Series II: Facilities (Property and Equipment)

Bureau of Public Roads Contract. 1950. 2pp.

Colorado Highway Department [with maps]. 1970 – 1982. e30pp.

Electricity [correspondence. 1962 – 1964.] 6pp.

Equipment Information. 1946 – 1952. 11pp.

Guarantees and instruction books. e50pp.

Inventory. 1985. 5pp.

Map [“Access to RMHL by C.J. Posey.”] e30pp.

North St. Vrain Association (UNSWA), Wild and Scenic Designation. 1988. e20pp.

Pump and Radio Information. ca. 1960s. e50pp.

[Right of Way and easement contract, correspondence, maps of land adjoining RMHL. 1940s – 1970s.] e30pp.

[RMHL pamphlets, William B. Moeller Resume, RMHL and USGS Agreement. 1964, 1985.] 13pp.

Transmission Millsite. 1991. 4pp.

Series III: Financial

Statements of Receipts and Disbursements. 1945 – 1984. e200pp.

IRS Paper work. 1945 – 1946, 1973 – 1980. e200pp.

IRS Paper work. 1947 – 1981. e250pp.

Financial Statements. 1950 – 1960. 12pp.

Proposal / Grant Information. [1952 – 1966]. e200pp.

Correspondence and receipts, financial matters. 1953 – 1958. 4pp.

Invoices / Misc. Financial Information. [1953 – 1973]. e30pp.

IRS Paper work. 1955 – 1977. e200pp.

Receipts for Land Related Bills. 1957 - 1958. 3pp.

Bank Statements / Misc. Bank Information. [1959 – 1985]. e100pp.

Box 3

Series IV: Rocky Mountain Hydraulic Laboratory Publications and Research

Publications [list]. 14pp.

Brochures. [The RMHL by Posey. 1946. #1.] e30pp.

Verdinokov. [correspondence and calculations with paper by Powell. 1948. #6.]
1944 – 1951. e60pp.

"Tests of Erosion Around Models of Submerged Oil-Drilling Barges." 1952, 1956.
[#20]. 2 copies. 92pp.

["Tests of Erosion Around Models of Submerged Oil-Drilling Barges." By Posey
and R.G. Warock with 8x10 negatives. 1952, 1956. #20.] 46pp.

"Tests of the Flow of Water in a Smooth V-Shaped Flume" by R.W. Powell and
C.J. Posey. 1975. [#21.] 42pp. 2 copies.

Manning's Formula. 1958 – 1970. [#24.] e50pp.

Pal, Asoka. 1964 – 1970. [correspondence on Manning's Formula.] e130pp.

"Water Surface Profiles and Velocity Distributions For Flow in a Long Uniform
Channel." 1961. [#26.] 98pp. 2 copies.

"Experiments with Buried Floats to Determine Depth of Scour" by William B.
Moeller. 1965. [#35]. 16pp. 2 copies.

"Fundamentals of Open Channel Hydraulics." [By Sherman M. Woodward and Chesley Posey. 1969. #40.] 73pp. 2 copies.

"Erosion Control for the Future" by C.J. Posey. 1990. e20pp.

Correspondence of Ralph W. Powell. 1933 – 1954. e30pp.

[Powell correspondence. 1933 – 1955.] e60pp.

[Floods: correspondence, drawings, calculations. 1934 – 1957.] 12pp.

Waldo E. Smith M.W.C.D. [Muskingum Watershed Conservancy District.] 1934 – 1936. e50pp.

Gerard Matthes AGU. [American Geophysical Union correspondence.] 1944 – 1988. e100pp.

Worksheets / Records of Labor and Services Provided. 1945 – 1984. e70pp.

Student Fees, Donations. 1947 – 1952. 11pp.

Instructions to Perspective Students. 1950. 1p.

In Court / Water Problems: Letters from Lawyers, etc. [Long flume]. 1951 – 1964. e40pp.

Design of the Long Flume. 1953. 9pp.

Flume Profiles. 8pp.

Big Thompson Project Information and other trans-mountain diversion projects. 1952 – 1964. e60pp.

Task Force 1961 – 1962. [American Society of Civil Engineers Hydraulic Division, 1953 – 1963.] e100pp.

[Posey correspondence. 1954 – 1958.] e30pp.

Third Copy of 1956 Data. e60pp.

I.A.H.R. [International Association for Hydraulic Research. 1956 – 1966.] e30pp.

Copy of 1957 Data. e50pp.

Reprints and computations. ["The Discharge over Sharp-Crested Full-Width Weirs as affected by the Distribution of Velocities in the Approach Channel" By Ralph W. Powell.] 1957 – 1967. e30pp.

Ozalids of Original Data Sheets. 1958. 15pp.

1959 Data [Pitot Traverse data.] e20pp.

Grain Information / Data / Graphs. 1959, 1975 – 77. e140pp.

[C.J. Posey and Herman Koloseus articles. 1960 – 1976.] e80pp.

Engel correspondence. 1961. 2pp.

[Black and white photographs, correspondence. 1963.] e15pp.

Paul J. Tilp. [Papers and calculations by Ralph W. Powell.] 1965 – 1966. e40pp.

Biswas. ["Friction Factor in Alluvial Channels" by Biswas.] 1966. e30pp.

[Slides, negatives, color and black and white photographs. 1969.] 26 items.

[Calls for abstracts 1970 – 1978.] e15pp.

[Powell correspondence. 1972 – 1973.] e10pp.

CHIU and Powell on Friction Formulas. 1973. e20pp.

Letters from Ann Posey, Dion and her kids. 1978 – 1979. 11pp.

Summer 1980 Data. 7pp.

Ditch Drop Information [including 10 photographs with notes on back]. 1982. e20pp.

Mountain Dams, *Allenspark Wind*. 1983. 17pp.

RMHL Letterhead. 4pp.

Solutions Manual "Fundamentals" #40. e20pp.

Suggestions and Instructions "Fundamentals" #40. 7pp.

"Research in the Rockies – An Historical Retrospect of the RMHL and the RMHRC
prepared for the Rocky Mountain Hydrologic Research Center by the
Colorado Water Resources Research Institute, research and writing by Jill
Marsh." e40pp.

*"Water Research in the Rockies - A Historical Retrospect: Rocky Mountain Hydraulic
Laboratory and the Rocky Mountain Hydrologic Research Center Allenspark,
Colorado, January 1996, Colorado Water Resources Research Institute
Special Report No. 11." 42pp.*

[Audiocassette tape "Interviews Rocky Mountain Hydraulic Lab 1995" and "The
Rocky Mountain Hydraulic Lab" pamphlet.]