



Smithsonian
National Museum of American History
Kenneth E. Behring Center

Julian Hinds Collection

NMAH.AC.0287

Robert W. Ageton

1988

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Table of Contents

Collection Overview	1
Administrative Information	1
Scope and Contents.....	2
Biographical / Historical.....	2
Names and Subjects	3
Container Listing	4
Series 1: Notes and Papers of Julian Hinds.....	4
Series 2: Hinds List of Dams.....	6
Series 3: Reference Materials (DAMS).....	7
Series 4: Rocks/Pamphlets)DAMS).....	8
Series 5: Irrigation Systems.....	9

Collection Overview

Repository:	Archives Center, National Museum of American History
Title:	Julian Hinds Collection
Identifier:	NMAH.AC.0287
Date:	1881-1975
Extent:	14.2 Cubic feet (41 boxes)
Source:	Mechanical and Civil Engineering, Division of Hinds, Julian, 1881-1975 (civil engineer)
Language:	English .
Digital Content:	Image(s): Julian Hinds Collection

Administrative Information

Acquisition Information

Collection donated by Julian Hinds, 1974.

Provenance

Transferred from the Division of Mechanical and Civil Engineering to the Archives Center, January 21, 1988.

Processing Information

Processed by Robert W. Ageton, volunteer, 1988, supervised by Archives Center, NMAH staff.

Preferred Citation

Julian Hinds Collection, 1926-1973, Archives Center, National Museum of American History.

Restrictions

Collection is open for research.

Conditions Governing Use

Collection items available for reproduction, but the Archives Center makes no guarantees concerning copyright restrictions. Other intellectual property rights may apply. Archives Center cost-recovery and use fees may apply when requesting reproductions.

Biographical / Historical

Julian Hines (1881 - 1975) was born at Warranton, Alabama, grew up on a farm in Bullard, Texas, and without a High School Diploma entered the University of Texas, Austin, Texas, the fall of 1904 and was graduated with a B.S. Engineering Degree in 1908. After graduation he was an instructor at the Univ. of Texas for one year then went with private industry designing precast concrete railway bridges. That design work lead to engineering concrete irrigation works with the Bureau of Reclamation in Sunnyside, Washington, and then later at various other locations involving the construction of dams. He resigned from the Bureau in 1926 to work in Mexico on dams and irrigation systems. The Calles Dam was notable among early "trail load" arches. In 1929 he became Assistant General Manager and Chief Engineer for the Metropolitan Water District of Southern California. In that capacity he assumed charge of planning and design work on the Colorado River Aqueduct, a \$40 million dollar project. He retired in 1951 as General Manager and Chief Engineer.

Post retirement (1951 - 1971) consulting with the Bechtel Corporation, Department of the Army (U.S.E.D.), the U.S. Bureau of Reclamation, and the World Bank involved many of the dams constructed on the Columbia and Colorado Rivers, and in the States of Montana, Utah, Colorado, New Mexico, and south of the border, Mexico. It is estimated that he was employed on 150 dam projects.

During his engineering career he wrote many technical articles and was a co-author of "Engineering for Dams" by Creager, Hinds, and Justin and contributed to references on hydraulics and dams. Among honors received was the "Distinguished Alumnus" citation given by the University of California in 1957; Member of Tau Beta Pi (an Engineering Honor Society); member of Sigma Xi; Honorary Member of the American Society of Civil Engineers; and Honorary L.L.D., University of California, 1957.

Scope and Contents

A letter dated August 4, 1971 from the Executive Director, American Society of Civil Engineers, New York, NY, to Julian Hinds stated: "This is addressed to you as an Honorary Member of the Society at the request of the ASCE Committee on the History and Heritage of American Civil Engineering to bring attention to the possibility that you may wish to place papers of historical significance to the civil engineering profession in the Biographical Archives of the Smithsonian Institution, Washington, D.C. There such material would become available to scholars for historical research. It is hoped that these archives would grow through a systematic and continuing program of gathering such papers from files of contemporary leaders of the civil engineering profession."

The collection consists of correspondence with the curator and members of the group of consultants for various dam projects, reports by various municipalities, reports by consulting firms, copies of papers published by the American Society of Civil Engineers, technical magazine articles, and Federal Government publications.

Since the investigation of the location for dams, the analysis of the feasibility of the project, and the final construction of dams was the main thrust of the professional work of Julian Hinds, his alphabetical listing of dams that he had some activity with forms the basis for referencing most of the collection. There was a fire that destroyed some of the material he had collected over the years, and that may account for the fact that some listed dams have no recorded reports etc.. The collection contains, however, a 124 page summary by Julian Hinds entitled "A Descriptive Listing Of The Writer's Dams" that does briefly refer to all dams in Series 2.

In addition to the reports on dams, the collection included publications on the subjects of aqueducts, linings for canals, steel and concrete pipe, research and design, international meetings, and books/pamphlets on the dams in California and Washington.

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Civil engineering
- Civil engineers
- Dams

Types of Materials:

- Drawings
- Papers, technical

Names:

- Mechanical and Civil Engineering, Division of
United States. Bureau of Reclamation

Geographic Names:

- Korea
- Mexico

Container Listing

Series 1: Notes and Papers of Julian Hinds

This series consists of a "Summary of Experience to August 13, 1971", by Julian Hinds, an oral history of Julian Hinds published by the University of California, articles and selected papers published by engineering society and technical magazines, two Handbooks with Section Articles by Hinds, and one photograph.

Box 36, Folder 2	A Descriptive Listing Of The Writer's Dams, by Julian Hinds, April 3, 1973. (Includes Alphabetical Index of Dams)
Box xx, Folder xx	Summary of Experience to August 13, 1971, by Julian Hinds, dated August 13, 1971.
Box xx, Folder xx	Julian Hinds, The Man Who Will Never Retire, Aqueduct, Vol. 41, No. 2, Summer 1974, pp. 16-18.
Box xx, Folder xx	Julian Hinds Award, Established by the American Society of Civil Engineers, Oct. 30, 1974
Box xx, Folder xx	Clippings from "Engineering News-Record", 1914-1940, Articles by Julian Hinds
Box xx, Folder xx	Selected Papers By Julian Hinds, Proceedings of the American Society Of Civil Engineers, Proceedings of ASCE 1926-1953
Box 34, Folder 12	Hinds Personal Note: Why Here?, American Water Works Assn. Jnl., Vol. 66 No. 11, Nov. 1974
Box 34, Folder 16	Canals, Flumes, Covered Conduits, Tunnels, And Pipe Lines, by Julian C. Hinds, Handbook of Applied Hydraulics, First Edition, j.942, Section 12, pp. 457-515; same title, Section 10 from a publication not listed, pp. 415-481, ND; Handbook of Applied
Box 40, Folder 3	Hydraulics, Davis, Calvin V., Second Edition, 1952, with this same Section 10, pp. 415-481, by Julian Hinds.
Box 36, Folder 1	Correspondence with Curator 1971-1975
Box 36, Folder 4	Dam by Julian Hinds, from Encyclopaedia Britannica, pp. 11-20, 1971.
Box 36, Folder 5	A Salute to The Beavers, The Beavers 1st Annual Awards Dinner, Los Angeles, CA, Jan. 25, 1956.

Box 36, Folder 6 Western Dam Engineer-Julian Hinds, Copyright 1971, The Regents of the University of California, (300/85) pp. 239.

Box 36, Folder 3 Julian Hinds; "The End of a Busy Day", Yellowtail Dam, July 17, 1963.

[Return to Table of Contents](#)

Series 2: Hinds List of Dams

This series consists of correspondence, Board of Consultants reports, consulting engineering firm reports, Federal agencies reports, State and local water district reports, maps, photographs, and "A Descriptive Listing Of The Writer's Dams by Julian Hinds". This series is based upon the Alphabetical Index of Hind's with references to this unpublished April 3, 1973, 124 page work.

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| Box 36, Folder 2 | AMERICAN FALLS Reports: DESCRIPTIVE LISTING OF THE WRITER'S DAMS by JULIAN HINDS, (HINDS) page 21. |
| Box 36, Folder 2 | AMISTAD |
| Box 36, Folder 2 | (HINDS) page 59. |
| Box 2, Folder 1 | International Boundary and Water Commission (IBWC) Volume II, Sections 26 - 60, Specifications for Construction Allocated to United States, Prepared by Corps of Engineers, Aug. 1964. |
| Box 2, Folder 2 | Amistad Consultant Reports (June & July 1965) Construction Status Report, (IBWC) Nov. 1, 1968. |
| Box 2, Folder 3 | Amistad Dam and Reservoir Project , undated |
| Box 2, Folder 4 | Mexican Treaty - An Exposition of the Proposed Mexican Water Treaty in Maps, Illustrations and Text. (1945) |
| Box 2, Folder 5 | (IBWC) Amendments 2,3,7, & 10 to the Specifications, September 30 - October 23, 1964 |
| Box 2, Folder 6 | Amistad Dam Construction September 1966 Six photographs not identified.
Parker Dam , undated |

[Return to Table of Contents](#)

Series 3: Reference Materials (DAMS)

[Return to Table of Contents](#)

Series 4: Rocks/Pamphlets)DAMS)

[Return to Table of Contents](#)

Series 5: Irrigation Systems

Historical Sketch of the Los Angeles Aqueduct [booklet], 1913

1 Item (Ink on paper.; 6.0" x 8.0")

[Image\(s\): Historical Sketch of the Los Angeles Aqueduct \[booklet\].](#)

[Image\(s\): Historical Sketch of the Los Angeles Aqueduct \[booklet\].](#)

[Image\(s\): Historical Sketch of the Los Angeles Aqueduct \[booklet\].](#)

[Image\(s\): Historical Sketch of the Los Angeles Aqueduct \[booklet\].](#)

Times-Mirror Printing & Binding House, Publisher

English.

Scans of miscellaneous pages from Camp of Power Division, San Francisquito Canyon. Entire booklet not scanned as of 2013/09/04

In box 41, folder 3

Local Numbers

AC0287-0000001-01 (AC Scan)

AC0287-0000001-02 (AC Scan)

AC0287-0000001-03 (AC Scan)

AC0287-0000001-04 (AC Scan)

AC0287-0000001-05 (AC Scan)

Topic: Aqueducts
 Civil engineers
 Dams
 Tunnels

Genre/Form: Booklets

[Return to Table of Contents](#)