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## Inventory of the David K. Todd Papers, 1957-1969

### Collection number: TODD

The Water Resources Center Archives

University of California, Berkeley  
Berkeley, California

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### Descriptive Summary

**Title:** David K. Todd Papers,

**Date (inclusive):** 1957-1969

**Collection number:** TODD

**Creator:** Todd, David Keith

**Extent:** ca. 3 linear ft. (6 boxes)

**Repository:** Water Resources Center Archives (Calif.)

Berkeley, California 94720-1718

**Shelf location:** This collection is stored off-campus at NRLF. Please contact WRCA staff for access to the materials.

**Language:** English

### Access

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### Preferred Citation

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[Identification of item], David K. Todd Papers, TODD, The Water Resources Center Archives, University of California, Berkeley.

#### **Access Points**

University of California (System). Water Resources Center. West Side San Joaquin Valley Coordinating Council  
Council for the International Hydrological Decade  
Universities Council on Hydrology  
Universities Council on Water Resources  
American Geophysical Union. Committee on Status and Needs in Hydrology  
Pacific Southwest Water Plan  
International Hydrological Decade  
Skagit Hydroelectric Project (Wash.)  
Western Interstate Water Conference (2nd : 1965 : Corvallis, Or.)  
Frozen ground  
Gorge High Dam (Wash.)  
University of California, Berkeley. Dept. of Civil Engineering

#### **Biographical Information:**

Born in Lafayette, Ind., 1923. B.S. degree in civil engineering (Purdue University, 1948); hydraulic engineer, U.S. Bureau of Reclamation, Denver, Colo. (1948-1950); M.S. in meteorology (New York University, 1948); Ph.D. in hydraulics (University of California, 1953). Professor of Civil Engineering, University of California, Berkeley; chairman of the Universities Council on Water Resource; and an instrumental figure in organizing the world-wide International Hydrological Decade. President of Todd Engineers, Emeryville, Calif., a consulting firm specializing in groundwater investigations (1978-present).

#### **Scope and Content**

Chiefly correspondence, minutes, press releases of various water resources organizations; and reports, maps, charts, photographs, and articles relating to Skagit Hydroelectric Project, Washington.

Box BOXES 1-2, **Seattle (Wash.). Dept. of Lighting.**

item 1.1

**Reports, maps, charts, plots, photographs relating to artificial freezing of groundwater in foundation work for Gorge High Dam, Skagit Hydroelectric Project. 1954-1958.**

**Physical Description:** 2 boxes.

#### **Scope and Content Note**

Partial Contents: First stage freezing operation temperature data, plots, August 1956 -July 1958 --First stage freezing isotherm charts --Expanded elevation of second stage ice wall.

Box BOX 3, item **Townsend, C. L.**

**Estimate for frozen earth cofferdam at Gorge High Dam, upper damsite. 1954.**

**Physical Description:** [12] leaves ; 28 cm.

item 1.3

**Coombs, Howard A.**

**Geologic examination of the Gorge High Dam site, Skagit Project, Seattle City Light. 1954.**

**Physical Description:** 8 leaves

item 1.4

**Seattle (Wash.). Dept. of Lighting.**

**Report on information accumulated on drilling cased holes, pumping ground water and grouting and freezing the river fill material in connection with water diversion at the Gorge High Dam site. 1954.**

**Physical Description:** 1 v.: photos

item 1.5 **Townsend, C. L.**  
**Freezing the cofferdams at Gorge High Dam. 1954.**

**Physical Description:** 4 leaves

item 1.6 **Seattle (Wash.). Dept. of Lighting.**  
**Report on ground water pumping test in connection with water diversion at the Gorge High Dam site. 1954.**

**Physical Description:** 1 v.

item 1.7 **Mosman, John L.**  
**Gorge High Dam: report on freezing of wall of ice for retention of percolating water. 1954.**

**Physical Description:** 5 leaves

item 1.8 **Todd, David K.**  
**[Photographs of the construction of Gorge High Dam, Skagit River, Washington], 1953-1959.**

**Physical Description:** 20 photographs: b&w; 10 x 12 cm.-20 x 25 cm.

item 2 **Todd, David K.**  
**Literature review on ground freezing; notes for a bibliography. 1962.**

**Physical Description:** 1 envelope.

item 3 **Ruedy, R.**  
**Shaft sinking by the freezing method, 1905-1955: bibliography, translations, and notes. [n.d.]**

**Physical Description:** 28 leaves

Box BOX 4, item **Universities Council on Hydrology.**  
**Correspondence and miscellany. 1962-1964.**

**Physical Description:** 5 v. + 1 envelope.

Box BOX 5, item **Universities Council on Water Resources.**  
**Correspondence re membership, committees, and other miscellany. 1964-1967.**

**Physical Description:** 5 folders.

**Scope and Content Note**

Partial Contents: Minutes, Executive Board Meeting, 1965-1966 --Report on Universities Council on Water Resources Standing Committees / by E. Roy Tinney, 1965 --Minutes, annual meetings, 1965-1966 --UCOWR Newsletter, 1965-1967 --UCOWR brochure "Career opportunities in water resources."

Box BOX 6, item 6 **University of California (System). Water Resources Center. West Side San Joaquin Valley Coordinating Council. Correspondence, notes, photos and annual reports regarding the San Joaquin Valley Project, planning for the impact of water on land. 1965-1967.**

**Physical Description:** 2 folders.

**Scope and Content Note**

Partial Contents: Annual report for 1965-66 to the Water Resources Center, planning for the impact of water on land / by David K. Todd --Objectives, organization and functions of the Water Resources Center of the University of California.

item 7 **Pacific Southwest Water Plan Conference (1964: Lake Arrowhead, Calif.) Papers presented at the Conference, Lake Arrowhead Conference Center, Lake Arrowhead, California, 4-6 June 1964. 1964.**

**Physical Description:** 1 folder.

**Scope and Content Note**

Partial Contents: Conceptual features of a regional water plan, assumptions and the planning process / by David K. Todd --Legal considerations incident to regional planning and allocation of water resources, a background paper / prepared by Sho Sato --Economic issues in regional water development proposal, a background paper / prepared by M. F. Brewer and W. Z. Hirsch.

item 8 **Western Interstate Water Conference (2nd: 1965: Corvallis, Or.) Western attention to Western water. 1965.**

**Physical Description:** 1 folder.

**Scope and Content Note**

Partial Contents: Conference program, resolutions; regional water transfer alternatives; remarks by Commissioner of Reclamation Floyd E. Dominy, Dept. of the Interior; Colorado River Association, newsletter.

item 9 **American Geophysical Union. Section of Hydrology. Committee on Status and Needs in Hydrology. Record, summary and reports of conferences. 1963.**

**Physical Description:** 1 folder.

**Scope and Content Note**

Partial Contents: Statement of position regarding institutions and mechanisms, adopted February 15, 1963 --Summary of conference activities and actions, February 13-15, 1963 --A record of the First Monticello Conference, Monticello, Illinois, June 24-28, 1963 --A report on the analysis of the Ballots from the Hott House Conference ... / by John B. Stall --Sixty-nine research areas in hydrology, a summary for the American Geophysical Union Committee on Status and Needs in Hydrology.

item 10 **Unesco. Council for the International Hydrological Decade.**

**International hydrological decade. 1963-1964.**

**Physical Description:** 1 folder.

**Scope and Content Note**

Partial Contents: Preparatory meeting on the long-term programme of research in scientific hydrology, Unesco House, Paris, 20-29 May, 1963 --Memorandum, U.S. participation in the International Hydrological Decade --Transmittal note, December 10, 1963 --Revised terms of reference, Council for the International Hydrological Decade --Meeting on U.S. Participation in the International Hydrological Decade, held December 18, 1963 at Dept. of State --Program development.

item 11

**Universities Council on Water Resources.**

**Correspondence and minutes. 1962-1969.**

**Physical Description:** 1 folder.

**Scope and Content Note**

Partial Contents: Inter-university conference on hydrology and formation of the Universities Council on Hydrology / by David K. Todd --By-laws --Annual report, on Committee on Visiting Scientists Program, 1966-1967, 1967-68 --Preliminary report, Committee on Education and Research in Water Quality, Universities Council on Water Resources, Cornell University, July 25, 1967 --Challenging issues in water resources. --Business meeting, July 27, 1966 --Inter-University Conference on Hydrology, Lake Arrowhead, California, August 7-9, 1962.