
Guide to the John A. Blume Papers SC0684

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Department of Special Collections and University Archives

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Note

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Language of Material: English

Contributing Institution: Department of Special Collections and University Archives

Title: John A. Blume papers

creator: Blume, John A.

source: Stanford University. School of Engineering

Identifier/Call Number: SC0684

Physical Description: 49.5 Linear Feet33 cartons

Date (inclusive): 1903-1994

Date (bulk): bulk

Abstract: Collection includes subject and reference files on earthquakes and earthquake-resistant design; slides, photographs, and videos pertaining to earthquakes and earthquake engineering; course files as both student and teacher; reports and other materials on Diablo Canyon Nuclear Plant; and talks, lectures, and reprints by Blume. Some materials pertain to the career of his father, Charles A. Blume. Items of note include US Coast and Geodetic Survey reports on California cities, 1930s-40s; photo album published by Kinnear Manufacturing on fire retardants in the San Francisco fire of 1906; and an album of views of San Francisco, 1915.

Information about Access

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Cite As

John A. Blume Papers (SC0684). Department of Special Collections and University Archives, Stanford University Libraries, Stanford, Calif.

Biographical/Historical Sketch

Blume, known as the father of earthquake engineering, earned his B.S. in civil engineering in 1933 and his engineer's degree in 1935 at Stanford University. He was a construction engineer on the San Francisco-Oakland Bay Bridge and later worked for Standard Oil. In 1945 he established his own structural and earthquake engineering firm. He returned to Stanford in 1964 for graduate work and earned his doctorate in civil engineering in 1967. He died in 2002.

Description of the Collection

Collection includes subject and reference files on earthquakes and earthquake-resistant design; slides, photographs, and videos pertaining to earthquakes and earthquake engineering; course files as both student and teacher; reports and other materials on Diablo Canyon Nuclear Plant; and talks, lectures, and reprints by Blume. Some materials pertain to the career of his father, Charles A. Blume. Items of note include US Coast and Geodetic Survey reports on California cities, 1930s-40s; photo album published by Kinnear Manufacturing on fire retardants in the San Francisco fire of 1906; and an album of views of San Francisco, 1915.

Subjects and Indexing Terms

Diablo Canyon Nuclear Powerplant (Calif.)

Civil engineers.

Earthquake resistant design.

San Francisco Earthquake and Fire, Calif., 1906

Earthquake engineering.

Blume, John A.

U.S. Coast and Geodetic Survey

Blume, Charles A.

Blume, John A.

Papers Accession ARCH-2003-281

box 1	Notes, testimonies, file reports, etc. for hearings regarding earthquakes, 1978-1981 (many files re Diablo Canyon Nuclear Plant)
box 2	Product files, research models, instruments and equipment, 1958-1977
box 2	Reprints by other writers
box 2	Files re Peru earthquake of January 1958
box 2	"Jokes and talk material"
box 3	Bibliographic references
box 3	NVO project materials [box as a whole covers 1966-1988]
box 3	Soil data Jan. 1966 by Blume
box 3	SLAC 1964 info (EQ studies/survey)
box 3	SU 20th class reunion (class of '32 or '33)
box 3	Earthquake Engineering and Stanford, 1964 report
box 3	Stanford course files (as student and as professor)
box 3	Blume's evaluations of papers by other professionals
box 3	Reports by Blume & Associates 1978, 1982
	Subject files on:
box 3	Shock impact, table pulses & blasts
box 3	Sound acoustics and music
box 3	Tests and devices
box 3	Random excitation
box 3	Design for blast & blast shelters
box 3	Future seismic research work
box 3	Human perception of motion
	Subject files on:
box 4	vibration
box 4	EQ records, damage
box 4	EQ-resistant design
box 4	Files on various structural entities (grandstands, stadiums, etc)
box 4	Files on law
box 4	Files on materials
	Subject files on:
box 5	EQ-resistant design
box 5	Code work on EQ
box 5	Seismology instruments
box 5	Diablo Canyon Nuclear Plant files
box 5	SRP files [unsure of meaning - structural something?]
box 5	Papers by other professionals
box 5	US Coast and Geodetic Survey reports re California cities 1930s-40s
box 6	More subject files
box 6	More US Coast and Geodetic Survey reports
box 6	Papers by Blume
box 6	Architectural exam 1949 [licensing-type exam]
box 6	Lehigh trip 1972
box 6	Tall buildings committee files
box 6	EERI minutes, Board of Directors 1978-79
box 6	Clippings on various earthquakes
box 6	Coast Geodetic and EERI assorted materials 1949-50
box 7	Blume's papers and reprints
box 7	Assorted Diablo Canyon Nuclear Plant materials
box 8	Assorted Diablo Canyon Nuclear Plant materials

box 8	Nuclear Regulatory Commission legal suit (S. Carolina) - transcript of Blume's deposition
box 8	Tentative Provisions for Development of Seismic Regulations, 1978 report
box 9	Long Beach condominium complex files (structural issues)
box 9	EQ damage evaluation data for California
box 9	Assorted Diablo Canyon Nuclear Plant files, late 1960s-1970s
box 9	Data re Blume, Hosgri, Spectra
box 9	Meeting and data files, 1976
	Diablo Canyon material 1977-78:
box 10	Study of Trifunac Attenuation
box 10	PGE Diffuse Area Probabilistic Study 1977
box 10	Santa Barbara earthquake Aug. 13, 1978
box 10	Data re Alexander building, San Francisco, 1956
	Diablo Canyon:
box 10	Clippings
box 10	Letter from attorneys 1986
box 10	More legal and engineering documents 1983
	Diablo Canyon:
box 11	Auxiliary building analysis
box 11	Annulus spectra 1977-83
box 11	Internal report - URS/Blume on DC 1982
box 11	Materials related to work for PG&E
box 11	Cornell correspondence - review of Blume document 1976
box 11	PG&E proposals 1978
box 11	Bechtel
box 11	PG&E 1982
box 11	Press re: "DC flap"
box 12	Talks and lectures by Blume: Stanford, 1939-69; other 1946-69
box 13	Talks and reprints 1957-59
box 13	Blume's student notes at SU, 1928-32
box 13	Cost data for buildings
box 13	Testimony in cases
box 13	Talk (?) on Relationship of Peak Ground Acceleration, Intensity and Local Magnitude, 1981
box 13	Testimony South Carolina Electric & Gas, 1981
box 13	EQ Evaluation Data for California - draft 1984
box 13	EQ Evaluation Data for California - draft 1985
box 14	Applied Technology Council Project/Meetings 1984
box 14	Fees & Services - collected documentation
box 14	JAB-QS - Long Beach material 1978-82
box 14	Paper redone by Blume, etc, 1988 (Edward C. Robinson 1950)
box 14	Alexander building files - 1962 note by JAB
box 15	JAB publicity clippings, souvenirs & scrapbook data "Box #2,3"
box 15	Notebook for CE105 Problems, 1932
box 15	Steel Moment Frame Connection (publication)
box 16	Diablo Canyon Nuclear Power Plant - notebook 1977
box 16	Advances in Earthquake Engineering 1980 (Continuing Studies notebook)
box 16	Computer programs written & used at SU (1965)
box 16	Miscellaneous publications/reprints
box 17	Atomic Energy - South Carolina material
box 17	Wind Loading - information
box 17	Blume - "Professional Qualifications"
box 17	CA - Board of Registration - structural exams
box 17	Colliers - 1956 - (1906 earthquake)
box 17	Newspaper - SF Chron 1956
box 17	CA - Board of Registration - civil eng. exams
box 17	SU 1933 Class - 1953 reunion
box 17	CA Division of Highways - Civil Service exams 1933

box 17	Papers, 1977-82
box 17	Miscellaneous publications
box 18	Miscellaneous unsorted materials - ephemera/publications
box 19	Binders of photographs of earthquakes
box 20	Binders of photographs of earthquakes
box 20	Notebooks of Blume
box 20	Loose pages from photo book
box 21	Slides and photographs (mostly professional, some personal)
box 22	Slides and slide transparencies
box 23	Slides
box 23	Memorabilia related to trip (China?)
box 23	Photographs
box 24	Diablo Canyon Reports - prepared for PGE 1968-87
box 24	Other documentation related to Diablo Canyon 1970s (Reanalysis Criteria & Reports)
box 24	Professional Organization directories
box 24	Professional Organization documents
box 24	Business related - miscellaneous
box 24	Stanford
box 24	Misc
box 24	SF 1906 data
box 24	Codes, etc.
box 25	Miscellaneous materials
box 25	USCGS (?)
box 25	EERI
box 25	Miscellany including some loose photos
box 25	Excerpts from Nils Blume autobiography (relates to 1906 quake)
box 25	Genealogy - Blume
box 25	Photos
box 25	Charles A. Blume - file
box 25	JAB personal data - genealogy, etc.
box 25	CAB job photos
box 25	Clippings
box 25	JAB job record with Brunnier
box 25	Various small publications - by Blume and others
box 25	Earthquake Evaluation data report - part 1 - 1985 draft
box 25	Clippings & other unsorted material
box 26	Folder: April 18, 1906 - S. F. earthquake
box 26	Publications: mostly by Blume
box 26	Box with material related to 1980 trip to China, Japan, etc.
box 26	1941 datebook
box 26	Slide catalogue - notebook
box 26	Fire Retardants in San Francisco Fire 1906 - photo album published by Kinnear Manufacturing
box 26	2 photo albums
box 26	1915 - Album of views of SF
box 26	Personal material from Claire Webster
box 26	Official guide to Pan Pacific 1915 Expo
	Publications:
box 27	Yanev "Technical Communication: The Lice, Turkey Earthquake of September 6, 1975" Nov. 1975
box 27	Summary of Structural Dynamics Research at Stanford 1946-53 - August 1953
box 27	San Francisco Seismic Safety Investigation, June 1974
box 27	Program and Abstracts of Papers. National Conference on Earthquake Engineering. Investigations of the San Fernando Earthquake - Feb. 1972
box 27	A Low Cost Method to Rehabilitate Unsafe Schools in Earthquake-Prone Areas
box 27	Effects of Earthquake on Engineering Structures (notes), 1929
box 27	Sozen, Rosset. "Structural Damage Caused by the 1976 Guatemala Earthquake" March 1976

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- box 27 **Research Agenda: The 19 September 1985 Mexico Earthquake. January 1986**
- box 27 **Damage Evaluation for Imperial County Services Building, El Centro, California. February 1980**
- box 27 **A Comparative Study of Pulse and Step-Type Loads on a Simple Vibratory System. Jan. 1952**
- box 27 **Development of a 'Deformation Model' of a building for the Study of Blast Load Effects. June 1952**
- box 27 **Jacobsen, "On a General Method of Solving Second Order Differential Equations by Phase-Plane-Displacements." Report no. 13 Architect & Engineer, Sept. 1958**
- box 27 **Bulletin of the Seismological Society of America, April 1972**
- box 27 **EERI Delegation to the People's Republic of China Jan. 1982**
- box 27 **EERI Reconnaissance Report Miyagi-Ken-Oki, Japan Earthquake of June 12, 1978. December 1978**
- box 27 **EERI Newsletters May 1979, July 1981**
- box 27 **Neville Donovan, "Notes for EERI Course on Seismic Risk Analysis" Feb. 9, 1978**
- box 27 **Earthquake Data compiled by H. M. Engle Aug. 1932 [copies of assorted documents]**
- box 27 **ASCE Technical Seminar - resources 1960s**
- box 27 **Design Seminar, Structural Engineering Conference of ASCI May 1967**
- box 27 **EERI 1968 State-of-the-Art Symposium EQ Engineering of buildings, Feb. 1968**
- box 27 **Various resources marked "File #9.3"**
- box 27 **Military Engineer, Jan-Feb. 1973**
- box 27 **Peter Yanev, Field Notes Miyagi-Ken-Oki, Japan Earthquake of June 12, 1978**
- box 27 **URS/Blume & Associates, Review of Seismic Studies of Proposed Nuclear Waste Repository [Nevada], June 1983**
- box 27 **Tom Andres, "A Brief Account of Responses to the Santa Barbara EQ, August 13, 1978"**
- box 27 **1948 building codes for San Francisco**
- box 27 **Assorted steel company catalogs 1903-1928**
- box 28 **Slides, including glass lantern slides**
- box 29 **Framed photos, certificate, plaques, awards**
- box 30 **Plaques, certificates awards**
- box 30 **Large mounted photos - early 20th century**
- box 30 **Post '06 photos**
- box 30 **Some family photos**
- box 30 **Family Stereographs**
- box 31 **Slides and a few photos of EQ damage 1973 and other dates**
- box 31 **Maps, a few reports, and many photos re California EQs - 1952 and other dates**
- box 32 **Tacoma Narrows 32_01**
Physical Description: 1 videotape(s) (u-matic)
- box 32 **Unlabeled 32_02**
Physical Description: 1 videotape(s) (u-matic)
- box 32 **Headline Earthquakes 1980 32_03**
Physical Description: 1 videotape(s) (u-matic)
- box 32 **ITS / Mode control method 32_04**
Physical Description: 1 videotape(s) (vhs)
- box 32 **Construction Automation & Robots - Boyd Paulson 32_05 1990 Apr 6**
Physical Description: 1 videotape(s) (vhs)
- box 32 **FEMA workshop #2 Safety of Dams 1986 32_06 - 32_13**
Physical Description: 8 videotape(s) (vhs)
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box 32	Computer Simulation of the Painter Street & Dumbarton Bridges 32_14 Physical Description: 1 videotape(s) (vhs)
box 32	California OES "An Ounce of Prevention..." 32_15 - 32_16 Physical Description: 2 videotape(s) (vhs)
box 32	Costa Rica Earthquake 32_17 Physical Description: 1 videotape(s) (vhs)
box 32	Miyagi-Ken-Okii, Japan earthquake 32_18 Physical Description: 1 videotape(s) (vhs)
box 32	JDO Earthquake Presentation 1991 32_19 Physical Description: 1 videotape(s) (vhs)
box 32	Quake Defense 32_20 Physical Description: 1 videotape(s) (vhs)
box 32	Earthquake - Haresh Shah 1994 32_21 Physical Description: 1 videotape(s) (vhs)
box 32	Earthquakes Channel 7 1994 32_22
box 32	National Bureau of Standards - Mexico Earthquake 1985 32_23 - 32_24 Physical Description: 2 videotape(s) (vhs)
box 32	Philippine Earthquake NHK Special 32_25 - 32_26 1990
box 32	Middle Japan Sea earthquake 32_27 Physical Description: 1 videotape(s) (vhs)
box 32	Major Earthquakes 32_28 Physical Description: 1 videotape(s) (vhs)
box 32	Earthquake 32_29 Physical Description: 1 videotape(s) (vhs)
Box 32	California Geotechnical Engineers Association - Outstanding Project Awards 32_30 1991-1992
box 33	Glass Slides
box 33	Regular slides
box 33	1 film - Interferometry in Earthquake Research
box 33	1 unmarked microfilm roll
box 33	1 film - Milestones of the Century
box 33	1 record (45 rpm?) - Sounds of earthquakes
box 33	Miscellaneous publications