

Accession No. 2001-18

PROCESSING RECORD
SCRIPPS INSTITUTION OF OCEANOGRAPHY ARCHIVES

Chow, Tsaihwa James 1924-2006

Tsaihwa James Chow Papers 1944-2001

Physical Description: 7 record center cartons

Description: The collection comprises the personal papers of chemical oceanographer Tsai-Hwa Chow and includes correspondence, notes, student notes, laboratory notebooks, photographs and slides, manuscripts of scientific papers, and a few proposals. The collection includes material documenting Chow's education at Chiao-tung University in Shanghai, Washington State University and the University of Washington. The collection consists largely of Chow's correspondence both in English and Chinese dated 1947-2001. This correspondence documents his relations with family, friends and colleagues and his work to bridge relations between the scientists in the United States and the People's Republic of China especially after 1972.

Biography: Chow was an American chemical oceanographer born Tsai-Hwa Chow in Shanghai October 13, 1924. He changed his name to Tsaihwa James Chow upon emigration to the United States in 1948. Chow received a B.S. degree in 1946 from the National Chiaotung University in Shanghai, an M.S. degree from Washington State University in 1949, and a Ph.D. degree from the University of Washington in 1953. After leaving the University of Washington, he worked with geochemist Clair Patterson at Caltech from 1955-1959. Chow joined the faculty of the Scripps Institution of Oceanography in 1959 and remained until he became an emeritus researcher in 1988. He was known for his studies of lead and lead isotopes in nature. He died in La Jolla, California June 21, 2006.

MC 65

Chemical oceanography history; Geochemistry history; Oceanography China; Oceanography history; Science China

TSAIHWA JAMES CHOW

Papers, 1944-2001

Accession Number 2001-18

Box

Folder Title

CORRESPONDENCE SERIES

1

[Correspondence, n.d.]

[Correspondence, n.d.]

[Correspondence, n.d.]

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[Correspondence, 1947]

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[Correspondence, 1951]

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1	Correspondence, 1951
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	[Correspondence, 1953]
	Correspondence, 1953-1954
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1	[Correspondence, 1956]
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	Correspondence, 1957
	[Correspondence, 1957]
	Correspondence, 1958
	[Correspondence, 1958]
	[Christmas Cards Received, 1958]
2	[Christmas Cards Received, 1958]
	Correspondence, 1959
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	Correspondence, 1959
	Correspondence, 1960
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	Correspondence, 1962

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Correspondence, 1962

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Correspondence, 1962

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[Christmas, 1967]

[Christmas, 1967]

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	CORRESPONDENCE SERIES (cont.)
2	[Correspondence, 1978]
	[Correspondence, 1979]
	[Correspondence, 1979]
	[Correspondence, 1980]
	Correspondence, 1981
3	[Correspondence, 1982]
	[Correspondence, 1983]
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4	[Correspondence, 1992]
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	[Correspondence, 1996]
	Correspondence, 1997
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	[Correspondence, 1998]
	[Correspondence, 1998]
	[Correspondence, 1999]
	[Correspondence, 2000]
	SUBJECT SERIES
	[Address List, 1958]
	[Address Book, n.d.]

Box**Folder Title****SUBJECT SERIES (cont.)**

- 4 [Address Book, 1958]
- [Address List, c. 1979]
- American Geophysical Union, Washington DC, April 1964
- [Arrhenius, Gustaf, "Tracing of Meridional Deep Water Motion Across the Equator," n.d.]
- [Autograph Book, 1932]
- BLM Barium-Isotope Dilution Data Sheets, 1 to 270
- BLM-SAI Proposal ["Trace Metal Baseline Studies of Southern California Outer Continental Shelf: Intertidal Sediments," 1976-1978]
- BLM-SAI Proposal ["Trace Metal Baseline Studies of Southern California Outer Continental Shelf: Intertidal Sediments," 1976-1978]
- BLM-SAI Proposal ["Trace Metal Baseline Studies of Southern California Outer Continental Shelf: Intertidal Sediments," 1976-1978]
- BLM-SAI Proposal ["Trace Metal Baseline Studies of Southern California Outer Continental Shelf: Intertidal Sediments," 1976-1978]
- [Bookplates]
- Bowen, [Vaughan T.], 1961
- 5 [Brochures]
- [Business Cards]
- [Calendar, 1957]
- [Campbell Club Roster, 1955]
- [Certificates and Memberships, 1949-1953]
- [Chiao-tung University, Shanghai, Class Notes, n.d.]

Box**Folder Title****SUBJECT SERIES (cont.)**

- 5 [Chiao-tung University, Shanghai, Class Notes, n.d.]
- [Chiao-tung University, Shanghai, Student Notes, 1944]
- [Chiao-tung University, Student Notes, 1945]
- [Chiao-tung University, Shanghai, Student Notes, 1945]
- [Chiao-tung University, Shanghai, Transcript, Tsaihwa Chow, January 18, 1947]
- [Tsaihwa James Chow, Identity Card, China]
- [Tsaihwa James Chow, Inoculation Record, China, December 5, 1947]
- [Chinese Flag]
- [Drawings, n.d.]
- [Drawings, Portraits of Tsaihwa James Chow, n.d.]
- [Financial Records]
- Goldberg's Manganese Nodule Data, n.d.
- [History of the Oceans Conference, Program, August 31, 1959]
- Hood, [Donald W.], 1961
- Indian Ocean, Special Committee of Oceanic Research [SCOR], 1960
- [Insignia]
- [Institute of Acoustics, Academica Senica]
- IDOE Biological Effects Meeting (Laboratory), August 12-13, 1974,
Folder 1
- Folder 2
- Folder 3

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5 IDOE Biological Effects Meeting (cont.)
 Folder 4

Folder 5

International Geophysical Year [IGY]

International Oceanographic Congress, 1959

International Symposium on Oceanography Japan, November 1961

International Symposium on Oceanography, Japan, 1961, Pocket Notebook

International Symposium on Oceanography, Japan, November 1961, Travel Brochures

International Symposium on Oceanography, Japan, November 1961, Travel Brochures

International Symposium on Oceanography, Japan, November 1961, Travel Brochures

[Laboratory Notebook]

[Lee, Stephen Hsin Te]

[Maps]

[Membership Cards]

Messages Left by Jane, 1973

Milestones for Trace Metal Analysis of Intertidal Sediments Year II, 1977-1978

[Mohole, 1961]

[Newsletters in Chinese]

Newspaper Clippings

[Newspaper Clippings]

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5	[Newspaper Clippings]
	[Newspaper Clippings, 1954]
	[Notebooks]
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6	Notebook, 1960
	[Notebook, 1962]
	[Pocket Notebook, 1981]
	[Notes]
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	[Notes, 1962]
	[Notes, 2000]
	[Objects, n.d.]

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[Objects]

Oregon [State University Job Offer], 1960-1961

[10th Pacific Science Congress Hawaii, 1960]

[Photographs]

[Photographs]

[Photographs]

[Photographs]

[Photographs]

Photographs, Portraits of Tsaihwa James Chow, n.d.

[Photograph Album, n.d]

Photographic, International Oceanographic Congress, Moscow, 1966

Photographs and Negatives, Visit of Hubert Humphrey to Scripps Institution of Oceanography 1967

[Photographic Negatives]

[Photographic Negatives]

Slides

Slides

Slides, Shanghai, Pollution History as Recorded in Sediments and Organisms, c. 1984

Slides, Lead Isotopes

[Press Release and Newspaper Clippings Lead, December 22, 1963]

Record II, June 1953 [i.e. Diary]

Russia [Correspondence, 1961]

San Diego Urban League Community Service Award, n.d.

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6	<p>[Scripps Institution of Oceanography, 1958]</p> <p>[Scripps Institution of Oceanography, 1960]</p> <p>[Lantern Slides]</p> <p>Slides, Transuranium Elements, Claus, May 1985</p> <p>Slides, 1950-1970</p> <p>[Scripps Institution of Oceanography, 1961]</p> <p>[Scripps Institution of Oceanography 1962]</p> <p>[SIO] Seminar, Geochemistry of Lead Isotopes, May 26, 1962</p>
7	<p>[SIO] Tritium, November 2, 1959 [Laboratory Notebook]</p> <p>[SIO] [Tsaihwa James Chow, UC Bio-Bibliography 1962]</p> <p>[SIO] [Tsaihwa James Chow, Security Clearance, 1962]</p> <p>Seawater, n.d.</p> <p>Hawaii Meeting, 1961 [SCOR Chemical Intercalibration Conference], Notes, n.d.</p> <p>Hawaii Meeting, 1961 [SCOR Chemical Intercalibration Conference], July 1960-February 1961</p> <p>Hawaii Meeting, 1961 [SCOR Chemical Intercalibration Conference] March-April 1961</p> <p>Hawaii Meeting, 1961 [SCOR Chemical Intercalibration Conference] May-August 1961</p> <p>[Laboratory Notebook, 1957]</p>
L	<p>Resolution Board of Port Commissioners, San Diego in honor of T.J. Chow, January 18, 1972</p> <p>[Scripps Institution of Oceanography Geology 150, Teaching Notes, 1955]</p> <p>[STEP-1 Expedition, Scripps Institution of Oceanography, 1960]</p>

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- 7 SIO Expedition STEP-1, 1960
 [State University of Washington]
 State College of Washington, Diploma
 State College of Washington, Diploma
 State College of Washington Commencement, 1949
- L [State College of Washington, Examination Papers, 1949]
- L [State College of Washington, Transcript, Tsaihwa Chow, 1948]
 [Station Position, April 1959]
 University of Washington, 1960-1961
 University of Washington, Diploma
 Chow, Tsaihwa James, "The Determination and Distribution of Copper in Sea Water" Dissertation, University of Washington, 1953
 University of Washington, Thesis Presentation, April 14, 1953
 [University of Washington, Newspaper Clippings, 1952-1953]
 University of Washington [Transcript, Tsaihwa James Chow, 1958]
 [University of Washington, Advanced Quantitative Analysis, Student Notes, Fall 1950]
 [University of Washington, Chemistry 27-127b Examinations, 1958]
 [University of Washington, Chemistry 155, Student Notes, 1950]
 [University of Washington, Chemistry 221/222 Advanced Inorganic Chemistry, Student Notes 1950]
 [University of Washington, Chemistry 223, Student Notes, 1950]
 [Chemistry 225, University of Washington, Student Notes, 1951]
 [University of Washington, Chemistry 435 Student Notes, 1952]

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[University of Washington, Marine Hydrodynamics Student Notes, 1951]

[University of Washington, Microquantitative Analysis, Student Notes, Fall 1950]

[University of Washington, Oceanography 520, Student Notes, 1954]

University of Washington, Organic Analysis, Student Notes, Fall 1950

University of Washington, Physical Oceanography, Student Notes, 1951

[University of Washington, Student Notes, 1952]

[Van Landingham, John W. "Nutrients in the Sea" December 26, 1961]

SCIENTIFIC PAPERS AND REPRINTS SERIES

[Scientific Papers and Reprints]

Chapter 11, Original Text, 1995

Roe, Peter G. "A Cache of Chavin Pots from Tembladera," January 1978

Roe, Peter G. "Cupisnique Pottery: A Cache from Tembladera," June 13, 1981

Suess, Haus "Investigation of Mixing Processes in the Atmosphere and Sea by Means of Radioactive and Stable Isotopes," AEC Interim Report October 12, 1958

Karl K. Turekian, Geochemistry of the Deep Sea Sediments of the Atlantic Ocean and adjacent regions, NSF Proposal July 1, 1959

Scientific Papers by T.J. Chow Sub-Series

Patterson and Chow, "Marine Geochemistry of Lead Isotopes in Sedimentation," Manuscript, n.d.

Trace Elements in Sea Water

Slides, Trace Elements in Sea Water

Chow, Tsaihwa James and C.C. Patterson, "The Occurrence and Significance of Lead Isotopes in Pelagic Sediments," Manuscript

Chow, T.J. and Thomas G. Thompson, "The Determination and Distribution of Copper in Sea Water," Marine Journal, 1952

Box**Folder Title****SCIENTIFIC PAPERS AND REPRINTS SERIES (cont.)**

7

Scientific Papers by T.J. Chow Sub-Series

Chow, Tsaihwa J. and Thomas G. Thompson, "Flame Photometric Determination of Strontium in Sea Water," Analytical Chemistry, January 27, 1955

Chow, Tsaihwa J. Lead Isotopes and Trace Elements in two Pelagic Sediment Cores. Festschrift in honor of Thomas G. Thompson, Journal of Marine Research. November 7, 1956

Chow and Patterson, Mass Spectrometric Analysis of Lead In Manganese Nodules, 1956-1958

[Chow, Tsaihwa J. "Flame Photometric Determination of Potassium in Natural Waters and Biological Materials," Analytical Chemistry, 1957

Chow, T.J. and Claire C. Patterson, "Lead Isotopes in Manganese Nodules," Manuscript January 4, 1959

Goldberg, Edward D. and Tsaihwa J. Chow, "On the Marine Geochemistry of Barium," 1960 [Geochimica et Geochemica Acta 10: 192-198]

Chow, Tsaihwa J. and John L. Earl, "Trend of Increasing Lead Aerosols in the Atmosphere," February 18, 1970

Chow, Tsaihwa J. "Chemical Composition of Sea Water, The Ocean Handbook" October 21, 1974

O [No Title Recorded]