

Accession No.: 90-19

PROCESSING RECORD  
SCRIPPS INSTITUTION OF OCEANOGRAPHY ARCHIVES

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Folsom, Theodore Robert, 1908 - 1989

Theodore Robert Folsom Papers, 1940-1989

Physical Description: 22 record center cartons

Description: The accession consists of the correspondence, data, laboratory notebooks, subject files, grant and contract records, research reports, manuscripts of publications, personnel records, patent files and other material documenting the career of physicist Theodore Folsom. The bulk of the accession documents Folsom's career at the Scripps Institution of Oceanography and his lifelong interest in radioactivity in the marine environment.

The papers are divided into a number of series: Pier Laboratory Files, Subject Files, Manuscripts of Folsom Publications, Redwing Files and Environmental Health and Safety Files Series, Patents Series, Reports and Reprints by Others, Argonne National Laboratory Files, GEOSECS (Geochemical Ocean Section Study) Files, Miscellaneous Current File, Reports and Laboratory Notebooks, Cruise Data Series, SIO Information Series, Historical Material and Files documenting Fallout in the Ocean.

The accession includes some records documenting Operation Redwing and other Pacific atomic tests in the 1950's. Folsom served with other SIO scientists as a consultant to the federal government to monitor these tests. The accession also includes records of SIO, UC and UCSD safety committees for the period 1952-1965. Folsom served on these committees and was particularly concerned with radiation safety at the University of California.

Radioactive Fallout  
Atomic Weapons – Testing  
Radioactivity – Safety Measures  
SIO Safety and Disaster Preparedness Committee  
U.C. President's Advisory Committee on Environmental Health and Safety

**THEODORE ROBERT FOLSOM**

**Papers, 1940-1989**

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	2	[AEC] Budget, 1960
	3	Travel AEC, 1960
	4	Wallen 1961 - Miscellaneous AEC Project UCSD 987 "Distribution of Nuclides"
	5	AEC Project Business, Miscellaneous, 1960-1961
	6	1961 Notes on Reply to Wallen
	7	Items for AEC-SFO, 1962
	8	AEC, Miscellaneous, 1962
	9	[AEC Miscellaneous, 1963]
	10	AEC Miscellaneous, 1964
	11	[AEC Miscellaneous, 1972-1974]
	12	US AEC Proposals, 1963
	13	AEC Inspection Tour, October 7, 1963
	14	U.S. AEC Site Visit, December 1964
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	17	Review of Proposal by U.S. N.O.L. using AMP sent to Arnold Joseph 27 August 1965
	18	[AEC] Forms and Information for Proposals, 1967-1974
	19	Report on Mt. Soledad Laboratory to AEC, April 1970
	20	1.12 AEC General - Miscellaneous, Inventory of Energy Research and Development, 1973-1975, Committee on Science and Astronautics, House of Representatives, 1974
	21	[AEC] Supplemental Travel Report, 1973
	22	Russian Trip Report, November 1974
	23	AEC-AT(11-1)-34, P.A. 56, 1959
	24	AEC, #56, Masters 1960-1961
	25	AEC, #56, 1961-1962, May 1961
	26	[AEC Project] #56 Revised 9/11/61
	27	1962-1963 #56 Proposal Masters
	28	AEC-AT (11-1) -34, P.A. 56, 1962-1966
	29	AEC AT (11-1)-34, P.A. 56, Masters, 1963-1964
	30	AEC Project 56 Inventory 1965
	31	AEC-AT (11-1)-34, P. 56, 1965-1966
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	35	[AEC Project] #71, 1960-1961
	36	[AEC Project] #71, Proposal, 1961-1962
	37	AEC Project 71, 1961-1963, "Study of Magnitude and Distribution of Radionuclides in the Ocean"
	38	Brief Review of Activity of Project AT(11-1)-34, P.A. #71, "Study of Magnitude and Distribution of Radionuclides in the Ocean," 28 September 1964
	39	AEC Project 71, 1964-1965, "Study of Magnitude and Distribution of Radionuclides in the Ocean"
	40	Duplicate of 1964 Reports to Arnold Joseph Re Project 71, n.d.
	41	Duplicate of 1964 Reports to Arnold Joseph Re Project 71, 1963-1966
	42	1964 Renewal, Project 71, n.d.
	43	AEC-AT(11-1)-34 PA 71, 1964-1965
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	45	[AEC Squid Survey, 1965]
	46	AEC Proposal #71, 1966 ["Study of Magnitude and Distribution of Radionuclides in the Ocean"
	47	AEC 1966-1967, #71 ["Study of Magnitude and Distribution of Radionuclides in the Ocean"
	48	AEC Proposal for AT(11-1)-34, P.A. 71, 1967-1968

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	51	AEC Proposal & Progress Report 1.12 AT(11-1)-34 P.A. 71, 1969-1970
	52	AEC Proposal & Progress Report AT(04-3)-34 P.A. 71, 1970-1971
	53	AEC Proposal and Progress Report AT(04-3)-34, P.A. 71, 1971-1972
	54	AEC Proposal, 1972-1974, AT(04-3)-34, P.A. #71
	55	[AEC Project #71, 1974]
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	57	Progress Report to AEC May 1, 1964 "A Marine Ecological Survey of the Bodega Head Region" [Project 96]

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	3	City of San Diego Sewerage, 1958
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	5	Proposal 1960-1961 - General
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	10	Activation Analysis of C 133 1968
	11	AMP 2 Pi Spectra: 8/67 Sylvania
	12	Old Rep Tests 1968
	13	Linearity Test, Flame Photometer, 1968
	14	Flame Study, 1968
	15	1968-1969 Cs 137 Procedures
	16	Precision of Gamma Assay Cs 137, 1968 Notes
	17	Cs 137 Replication KCFC at SIO Pier & 20 Miles off, 1967
	18	Trel-Tows & Casts - Cs 137 1965-1966, Counting Error Only
	19	Gamma Contamination in Marine Organisms, 1964
	20	Survey of Downward Penetration of Fallout in the Ocean by in situ Absorption (Read at USSR, Moscow), June 7, 1966
	21	URECHIS Note - July 1965
	22	The Urechis Program: Rapid Survey of Fallout Cesium in the Ocean (read at AGU Meeting), April 1966
	23	[Cesium 133, 1967]
	24	Deep-Sea Drilling Project 1968

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2	25	Carbon 14 - Anthony Young and Fairhall, University of Washington, 1968
	26	Flame Photometry, 1968
	27	HASL Meeting 1965, NYC, Fallout
	28	Elution Experiments, 1966-1967
	29	URECHIS Info loaned to U. of Rhode Island, 1968
	30	Broecker-Rocco, 1963
	31	BetaStudies, n.d.
	32	Vienna, 1961
	33	Statistical Summary, 1955
	34	[Notes, n.d.]
	35	Radium & Neutron Sources, 1958
	36	General Problem of Discrimination to Aid Detection of Gamma Rays, n.d.
	37	R.C.L. Spectrums, 1957
	38	Background Gamma Measurements, 1955
	39	Fallout Protective Measures, n.d.
	40	NAS-NRC Second Disposal Report, Revelle et. al, c1957
	41	Senate Hearings, 1957, Libby Comments
	42	"Nuclear Experiments in the Ocean to Study Physical Processes," Allyn Vine, n.d.
	43	"Oceanography 1960 to 1970, A Report of the Committee of Oceanography of the National Academy of Sciences," 1959

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2	44	Comments on Russian Paper "On the Use of Radar Stations," 1959
	45	Telemetry, Notes, 1957
	46	Disposal of Radioactive Wastes at Sea, 1956-1958
22	5L	"A Note on the Disposal in Coastal Waters of Low-Activity Liquid Effluent from Windscale Works, Cumberland, England," September 17, 1956
2	47	Perrin Winchell Rope Assay, Radioactivity 'Pickup' in Sea Water, Contaminating Instrument Surfaces, 1957
	48	Sr and Cs Separation Project, 1956
	49	Monitor for R.C.L. Voltage to Temperature, Notes, n.d.
	50	Medical Society Paper Notes, "Fallout Hazards," 1957
	51	Conference on Properties of Sea Water 9/4-5/58 Easton, Maryland
	52	Proposed Gamma Lab, 1957
	53	Coastal Survey, 1957
	54	Portable Scalers & Integrators, n.d.
	55	Fine Wire, 1950-1956
	56	NAS [Study of the Biological Effects of Atomic Radiation] Manuscript, 1956
	57	Horis' Paper, "Artificial and Natural Radioactivities in Marine Biota," 1958
	58	Bangkok, 1957



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	60	Suess, H2 - O2 Separates, 1957
	61	Max Pressure Indicator for Fish & Nets, July-August 1959
	62	NSF Proposal for Project, 1957
	63	Dr. Belser NSF Proposal, 1957
	64	Open Projects, 1958
	65	Shielding of Sea Floor Gamma Activity, 1959
	66	Gamma Field Near Sea Floor, 1958
	67	Misc. [Operation] Pork Chops, c1950
	68	NAS-NRC Working Group on Radio-Activity, 1961-1966
	69	Lateral Diffusion at Sea, 1958
	70	AEC Fallout Conference, Nov. 2-5, 1964
	71	Latin American Seminar on Eastern Pacific Ocean 29 November - 3 December 1964
	72	[NAS-NRC] Subcommittee on Low-Level Contamination of Materials and Reagents, April 1963
	73	National Research Council Subcommittee on Nuclear Science, Minutes of Meeting, 1964
	74	SIO Staff Council, 1964-1965
	75	Upcoming Meetings and Visitors, 1965

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	77	HASL Fallout Meeting, 11-12 January 1966

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	80	Alarm System (Mt. Soledad), 1969
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	85	1.35 Arrhenius, G., 1955-1957
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	35	3.26 Gamma Assay, 1958. Hori-Results of Core Analysis Mss.
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	37	Correspondence, 1948-1951
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	41	Correspondence, 1977
	42	3.28 Counting Techniques
	43	3.305 Craig, H.
	44	3.31 Cruises. Ships Proposals to Use, 1967-1968
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	46	3.31 Cruises. Map Showing Locations of 13-Gallon Sea Water Samples, 1963-1969
	47	3.31 Cruises. 1965 Data - Agassiz Sta. V-0, Horizon, Sta. V-1-V-2
	48	USCGS Bering Strait - Sta. VICTOR June 1966, Casts E,F,G,H
	49	USCGS <u>WASHUSETT</u> - Nov. A,B,C,D April 1966
	50	Working Copies Esmeralda Cs133 - Surface Waters - 4 Legs, n.d.
	51	3.31 Cruises. Argo, Eastropic A-B-C-D, 1967
	52	USCGS Glacier Cruise to Antarctic Samples, Jan. 1967

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	58	<u>Wachusett</u> - Stn. November May-June 1967
	59	USCGS <u>Wachusett</u> , "November" May-June 1967, Surface Cesium-137
	60	<u>E.B. Scripps</u> Casts S-I, II, III [August 1967]
	61	<u>E.B. Scripps</u> Cs 137, Aug. - Sept. 1967
	62	<u>Washington</u> , Eastropic, Casts E, F, G, H [August 1967]
	63	R/V <u>Thomas Washington</u> , Eastropic August-September 1967, Cesium-137
	64	<u>Thomas Washington</u> , Eastropac Aug-Sept 1967
	65	<u>Wachusett</u> - Stn. VICTOR September- November 1967
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	67	<u>Argo</u> - Nova Casts X & Y [November 1967]
	68	Agassiz Styx Expedition, April 1968
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	76	3.31 Cruises. Esmeralda-Marchill Expedition, 1968-1969
	77	3.31 Cruises. Instructions to Liebertz on <u>Melville</u> , Cs 133 - Cs 137 Samples, 1969-1971
	78	3.31 Cruises R/V <u>Agassiz</u> Feb. 1971
	79	3.31 Cruises. <u>David Starr Jordan</u> 1973 Cruise.
	80	3.31 Cruises. <u>David Starr Jordan</u> , May 1974
	81	3.31 Cruises. Instructions to M. Laurs 5-27-76. <u>David Starr Jordan</u> Cruise June 1976
	82	4.12 Dating
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	84	4.14 Instructor Manual for Surface Barrier Detectors ORTEC, 1963
	85	4.14 ORTEC 1964-1972
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	18	7.25 Edward Goldberg, n.d.
	19	Gordon Research Conferences, July 14-18, 1969 Meridian, New Hampshire
	20	8.14 Hanford Laboratories, Richland, Washington, 1958-1964
	21	8.23 Hiyama, Yoshio, [Reprints]
	22	8.26 Holtzman, R.B., 1966-1970
	23	8.31 Hyperion Project, n.d.
	24	8.31 Hyperion Project. Notes for Hyperion Final Report 2/65
	25	8.31 Hyperion Project, 1951-1959
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	45	[14.14 Unpublished Manuscripts.] "Application of More Modern Gamma Detectors to Certain Proposed Oceanographic Radioactivity Tracing Experiments," T.R. Folsom, n.d.
	46	[14.14 Unpublished Manuscripts.] "Approximate Dosages Close to Submerged Radioactive Layers of Biological Interest" Theodore Folsom, n.d.
	47	[14.14 Unpublished Manuscripts.] "A Preliminary Radioactivity Survey Along the California Coast Through Disposal Areas," J.L. Faughn, et. al., n.d.
	48	14.14 Unpublished Manuscripts, 1967. "Persistence of Radioactive Contaminations in Thin Layers in the Ocean." Sept. 1967, T.R. Folsom, Rime Paper
	49	14.14 Unpublished Manuscripts, Urechis Tech Paper. M.S. 1967

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	51	14.14 Unpublished Manuscripts. "Technique for Surveying Cs 137 in the Ocean by Concentrating Samples upon Absorbers." Folsom, Sreekumarin, October 1967
	52	14.14 Unpublished Manuscripts. "Studies of the Cs 133 Blanks in Reagents used in the Flame Photometer Analysis for Natural Cesium in Sea Water," Grismore and Hansen, November 25, 1968
	53	14.14 Unpublished Manuscripts. "Intercomparison of Counting Efficiencies of Five Gamma Spectrometers at SIO" Young, Tennant, Weitz, Folsom, January 1968
	54	14.14 Unpublished Manuscripts. "Precision of the Corrections for Contamination in Upper Layers for Several Urechis Casts with KCFC Absorbers," R. Grismore, 3-68
	55	14.14 Unpublished Manuscripts. "A Pilot Program for the Analysis of Nuclear Pulse Height Analyzer Spectra," W.E. Weitz, Jr., April 1968
	56	14.14 Unpublished Manuscripts. "A Short Summary of a Computer Program for Gamma-Ray Spectrum Analysis at SIO," Roger Grismore, April 1968
	57	14.14 Unpublished Manuscripts. "Studies of Computer Methods for Improving the Analyses of Gamma-Ray Spectra of Very Small Amounts of Radioactivity in the Marine Environment," Folsom et. al., July 1968

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	59	14.14 Unpublished Manuscripts. "High Speed Electrosensitive Printer," for 1971-1972 Annual Report, November 23, 1971
	60	14.14 Unpublished Manuscripts. "Modeling the Upper N. Pacific Layers Using Cs-137 and PU-239," Folsom, 1972
	61	14.14 Unpublished Manuscripts. "Preparation of Marine Biological Samples for Analysis of 239Pu Via Alpha Spectrometry," R. Hoffman, July 21, 1972
	62	14.14 Unpublished Manuscripts. "Air Pollution XSD 1498(4)," Ames Course Lecture Given by Dr. Folsom, October 6, 1972
	63	14.14 Unpublished Manuscripts. "Analytical Procedure for Cesium in the Ocean with Precision Sufficient to Show Significant Conc. Variations," Hansen et. al, 1973
	64	14.14 Unpublished Manuscripts. "137Cs Samples Preparation," T. Tatum, March 5, 1973
	65	14.14 Unpublished Manuscripts. "Effectiveness of Granular Ferrocyanide Absorbers for Collection of Large Cs Samples at Sea," Folsom, Hansen, Hodge, (for GEOSECS Studies), May 4, 1973
	66	14.14 Unpublished Manuscripts. "Report of Patentable Inventions Related to Flame Spectrometry," Folsom, Parks, Weitz, December 1973

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	68	14.14 Unpublished Manuscripts. 1969-1974 Folsom, et. al. "Recent Improvements in Methods for Concentrating and Analyzing Radiocesium in Sea Water," July 25, 1974
	69	14.16 Martell, E.A., 1973-1974
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	73	14.24 Miyake, Y.
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	5	14.38 Munk, Walter H., Dr.
	6	Names and Addresses, 1961
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	26	Committee Report - December 1970, Radiological Physics Division, ANL
	27	[Great Lakes Research Program, Argonne National Laboratory, 1969]
	28	Preliminary Proposal for the Geochemical Ocean Section Study, 1969
	29	GEOSECS [Geochemical Ocean Section Study] Reviews, SIO 1974
	30	GEOSECS Reviews 1973
	31	GEOSECS Budget, 1971-1972
	32	GEOSECS Cesium 137, <u>MELVILLE</u> -ANT 17
	33	GEOSECS Budget, 1971
	34	Proposed Budget for GEOSECS Development Work and Assay of Samples, 1971-1973
	35	GEOSECS, 1971
	36	1971, 1970-1971
	37	Senate, 1971-1973
	38	[Senate-] General References, 1973
	39	Dr. [Charles L.] Osterberg-Folsom Meeting, San Onofre Feb. 8, 1973
	40	Dumping - Originals of Jim Arnold's Subcommittee Report, 1971
	41	Dumping, [Reunion Geofisica Mexicana, 1973]

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	43	Dumping [Newspaper Clippings, 1971-1973]
	44	San Onofre, n.d.
	45	1970
	46	1971
	47	1971, Newspaper Clippings
	48	1972
	49	"Some Measurements of Global Fallout Suggesting Characteristics of the N. Pacific Controlling Dispersal Rates of Certain Surface Pollutants," 1979

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50	ACS Meeting, Honolulu, 1975
51	Silver 108m Sources from Los Alamos Scientific Laboratory, 1965-1975
52	Inventory Radioactive Sources, 1959-1965
53	Oak Ridge National Lab, Indiana State University Symposium, April 3, 1974
54	Livermore, 1971
55	HASL Report Tables, 1971
56	ONR Chemical Oceanography Workshop, December 1972, Monterey

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	2	Lake Michigan Studies, 1972
	3	Ames Extension Lecture, October 6, 1972
	4	Lambert's Azimuthal Equal-Area Projection Projections by J. Moriarty, n.d.
	5	Honolulu (Esmeralda), Feb. 1972
	6	Los Alamos Pu Meeting, 1971
	7	Tritium Symposium, Las Vegas, August 29-September 2, 1971
	8	Baseline Study, 1971
	9	Gordon Research Conference, January 18-22, 1971
10		Review of Materials Testing Reactor, Idaho Falls, Idaho, January 26, 1971, Consultant to University of Utah, December 1970-April 1971
11		Review of Materials Testing Reactor, Idaho Falls, Idaho, January 26, 1971, Consultant to University of Utah, [Report, May 3, 1971]
12		Review of Materials Testing Reactor, Idaho Falls, Idaho, January 26, 1971, Consultant to University of Utah, May 7-July 1971
13		Sheet Platinum, 1971
14		"Clipper," 1970
15		Site Review at University of California, Livermore, AEC, July 30-31, 1970
16		Drawings to Harrington Industrial Plastic, 1969

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16	17	Preamp and Gamma Wiring in Soledad Counting Room, 1966
	18	Stanford - SIO Comparisons, 1966-1969
	19	New Gamma Calibr Data for Soledad, 1969
	20	Reagent Constants at Scripps, 1969
	21	Cs137 Replication Tests, 1967
	22	Notes for 1969 Progress Report
	23	Notes for 1969 Progress Report
	24	Material for Annual Progress Report, 1968-1969
	25	Material for Annual Progress Report, 1968-1969
	26	T.R. Folsom [Notes], n.d.
	27	n.d.
	28	n.d.
	29	1967-1968
	30	1969
	31	Absolute Cs133 Measurement by Flame Photometer, July 1, 1966
	32	Negative Baseline Study 1969, K & RD Effect
	33	T. Washington Piquero [Expedition], December 1968-1969, "Esmeralda III" 1969
	34	Old Cs133 Yield and Replication Studies, 1967

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	36	Yield Study 1968 (Early Study)
	37	1960-1967 Cs133 Data Old Yield Data
	38	Calibration "Tables" on "Esmeralda" at Sea, 1966
	39	Blank Error Studies 1968 (Early Work)
	40	1968 Cs 133 Working Yields for Survey Reports Study
	41	Polikarpov Samples, 1968-1969
	42	Natural Cesium and Rubidium Standards, American Potash Company, 1969
	43	X ray of Cs, 1969
	44	Photometer Studies, n.d.
	45	Yield Study, 1969
	46	Pure Amp Program, 1969
	47	Cs137 by Silico Tunstate Pillai, 1966
	48	Cs133 Procedures Study, 1968
	49	Distribution of Radiocesium and Total Cesium, 1966
	50	Urechis Hydrographic Clamp for Pressure Recorder, November 11, 1966
	51	Application for Isotopes, 1961-1967
	52	Items stored at Camp Matthews, 1966
	53	List of Contents of File Drawer from Mrs. Buck, December 1, 1967
	54	Files Removed to T-25 9 October 1964

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	56	Inventory Lists - Flats, 1964
	57	Files Sent to Dead Storage, n.d.
	58	Bekins Water Samples, 1962
	59	Mt. Soledad, 1969
	60	Rooms, 1969

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	61	Preliminary Draft, Annual Report USAEC AT(04-03)-34 September 1971-August 1972
	62	Preliminary Draft, Annual Report AEC Contract AT(11-1)-34, P.A. 71, July 1969
	63	Preliminary Draft, Annual Report AEC Contract AT (11-1)-34, P.A. 71, July 1969
	64	Preliminary Draft, Annual Report AEC Contract AT(11-1)-34, P.A. 71, July 1969
	65	[Laboratory Notebook, Theodore R. Folsom 6-29-38- December 7, 1975]
	66	Van Landing Ham & Other Pier Studies, 1962
	67	Patricia Hall, Procedures and Notes from Moving Ocean Work, 8/7/72
	68	K. Gopalreddy, 1962
17	1	K. Gopalreddy, Basic Electronics, 1963
	2	Folsom, Historical, Gamma Spectrum Analysis, 1957



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17	3	RCL Model 2603 [Laboratory Notebook], 1957
	4	Folsom [Laboratory Notebook] Gamma Calibration with GMC, 1956-1957
	5	Basis of the Calibration of the Underwater Gamma Ray Probes used at Bikini, Folsom & Jennings, April 2, 1959
	6	Wigwam Calibration Vertical Cast & Telemetering Unit
	7	Wigwam Calibration Vertical Cast and Telemetering Unit, T.C.
	8	Wigwam Complete Set of Shop Drawings, n.d.
	9	Radiological Techniques and Instruments Used for the Oceanographic Survey on Operation Wigwam, December 1956
	10	Reference Book for Submarine Bathythermograph Field Engineers
	11	Reference Book for Submarine Bathythermograph Field Engineers
	12	Receipts for Classified Reports, 1956-1960
	13	Ray Diagrams - Memos Squam Project
	14	Monthly Thermal Conditions Chart for the North Pacific Ocean by June Pattullo and John D. Cochrane, April 1951
22	26L	Preliminary d2 and d4 Charts for the North Pacific and North Atlantic, Summer and Winter, 1948
17	15	d2 and d4 Charts for the South Pacific and Indian Oceans, WV Burt and T. Cromwell, February 1949
	16	Analysis of Data, Japanese Waters Korea, Formosa

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17	17	Bering Sea -- Arctic Ocean, Oceanographic Data, 1946
	18	Beaufort Sea Oceanographic Expedition August 1950
	19	Contributions to the Woods Hole Summary Volume from the Pacific Ocean Data
	20	Contributions to the Woods Hole Summary Volume from the Pacific Ocean Data
	21	Summary Volume on Oceanography, November 30, 1944
	22	Workbook, Maximum Echo Ranges, 1944
	23	Sound Ranging Conditions Off Southern California, November 6, 1944
	24	39F4-II [Layer Depth and Gradients in the Thermocline]
	25	Preliminary Manuscript, Relationships of Temp. Sal. Distributions to Wind, Cloud Cover etc. and their Effects on Sound Ranging Problems
	26	Preliminary Manuscript, Relationships of Temp. Sal. Distributions to Wind, Cloud Cover, etc. and their Effects on Sound Ranging Problems
	27	Preliminary Manuscript, Relationships of Temp. Sal. Distributions to Wind, Cloud Cover, etc. and their Effects on Sound Ranging Problems

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	29	<u>Argo</u> -Zetes, January-August 1966
	30	<u>Wachusett</u> (Sta. November), April 1966
	31	Bering Strait (Sta. Victor) June-August 1966
	32	Esmeralda, Mar-Sept. 1966
	33	<u>Argo</u> - Eastropic Cast A T.D.S. Cs137 Profiles
	34	<u>Argo</u> Eastropic Cast B
	35	<u>Argo</u> Eastropic Cast C
	36	<u>Argo</u> Eastropic Cast D
	37	<u>Jordan</u> - Eastropic February-March 1967
	38	<u>Wachusett</u> - San Diego to Seattle March 1967
	39	<u>Jordan</u> -Eastropic June-July 1967
	40	<u>Minnetonka</u> (Sta. Victor) March-June 1967
	41	<u>Jordan</u> - Eastropic April-May 1967
	42	<u>Wachusett</u> - Sta. November May-June 1967
	43	<u>Argo</u> - Nova Legs I and II, April-June 1967
	44	<u>Argo</u> Nova Legs VII, VIII, IX October-December 1967
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	49	<u>Yocona</u> , August 1968
	50	<u>T. Washington</u> , Piquero December 1968-1969
	51	<u>Surveyor</u> April-May 1968
	52	Styx Leg I, April 1968
18	1	Styx Leg I, Plots Sta. I-X
	2	Styx Leg I Station I
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	12	<u>Argo</u> Scan Expedition, 1969
	13	S. California Coast Cs133 and Cs137 Concentration Plots
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	19	HASL Report, July 1968
	20	Stn. November - Gresham, 7-31-66 to 8-24-66
	21	Surface Salinities, Zetes
	22	Sta. Victor Hydro Data, 1968
	23	Pacific Ocean Surface Contours, 1967-1969
	24	Sta. Victor - Hydro Data Studies, 1964-1967
	25	Sampling Program Statis Sheets
	26	Cs137 Layer Models
	27	Sr90-Cs137 Fallout Report, 1954-1965
	28	Trace Element Chemistry
	29	Preliminary Profile Plots, 1965-1968
	30	Casts "Outstanding"
	31	Cs137 Cartridge "Pick Up" Rates
	32	Depth Correction Techniques
	33	Cs137 Pickup and Parameters, 1969
	34	Cs133 Pickup and Associated Parameters
	35	Cs137 Concentration Correction

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	40	Eastropic -November-Victor Combined Data
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	42	Cs137 Profile and Hydro Data, 1965-1967
	43	Profile Casts using T-D Recorder, January 1967
	44	Cs137 Cast Log Sheets, 1967-1968
	45	Time Depth Recorder Records
	46	Cs137 Profile Raw Data Graphs, 1965-1968
	47	Original Cs137 Plots (From Board)
	48	Instructions for Argo (Eastropic) 1967
	49	Glacier, 1966-1967
	50	<u>Jordan</u> (Eastropac) 1967
	51	Marchile Expedition, 1969
	52	USC&GS <u>Surveyor</u> April 1968
	53	C&GS <u>Surveyor</u> April 1968 (Mr. Ryan, Dr. Park and Dennis Barstow)
	54	Instructions for USCG <u>Minnetonka</u>
	55	<u>Argo</u> Scan Expedition 1969

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	57	<u>T. Washington</u> , Piquero Expedition 1969
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	59	USCG <u>Wachusett</u> 1967
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	61	<u>Yocona</u> , July 1968
	62	Equipment Drawings & Photographs
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	67	Paper Advance
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	69	Flame Photometer Readout (Original)
	70	Optical System for Flame Photometer
	71	Miscellaneous
	72	Seven Tow, 1970
	73	Pump and Filter Info, n.d.
	74	Eastropic Info, 1967
	75	Ship Info (M.F.)
	76	3" Cs137 Cartridge Holder Master Drawings
	77	Time-Depth Indicator

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	79	Cylindrical "Pig," n.d.
	80	Cs133 Surface Assembly Argo Scan 1969
	81	Equipment Chests
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	82	Cs134 and Series IV (Lab)
	83	Woods Hole Sediment Analysis, 1964
	84	Report for Project 71
	85	IMR Reports - Second Progress Report to IMR 3/29/61
	86	IMR Reports, August 1963
	87	IMR Reports, Publication and Progress Reports, 1954-1960
	88	IMR Annual Report for the Year Ending 30 June 1964
	89	Summary Minutes of Meetings of Institute of Marie Resources Executive Committee and Advisory Council, 1964-1965
	90	R/V <u>Agassiz</u> - Honolulu-San Diego, September 1964
	91	Lusiad S.W. Samples Atlantic
	92	Zephyrus, July 1962
	93	Dr. S. Atlantic L1B6



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	98	MLR Cruise 6501-2G, January 1965
	99	2B Planchette SPECTRA LPG-19+21 SPVA, SPVB, 2I65
	100	SIO June 1964-Feb. 1965
	101	1964-65 Cruises
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	103	Baltic Sample Received 5/22/62 SVANTE
19	1	1963 Cruises
	2	1962 Sea Samples
	3	Collection of Marine Growth for U.S. Coast Guard PONTCHARTRAIN, 8/63
	4	Indian Ocean Collection, 1962-1965
	5	Record of Surface Samples Tethys Expedition, n.d.
	6	Working Copies AGU, 1960-1961
	7	Pioneer 1961 N. Pacific
	8	Pioneer Data, n.d.
	9	PROA, March-July 1962
	10	Tethys Expedition - Field Instructions, 1960
	11	Cesium in Vertical Casts, n.d.

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	13	Monsoon Assay 1960
	14	Guam Waters Expedition Van Lindingham Naga return via Stranger
	15	Japanyon '61 19B, 25B, 13B, 22B
	16	NAGA Expedition, May-June 1961
	17	Japanyon, 1961
	18	Japanyon Expedition, 1961
	19	Leapfrog S.W., 1961
	20	Lusiad O, May-June 1962
	21	1962 Argo Pac. Luciad
	22	Lyendyk -9/7/62 Baird Proa
	23	Ursa Major I: August 1964; Ursa Major III: September 1964
	24	Ursa Major, 1964
	25	MLR 6406-7G, June-July 1964
	26	6401-2G January-February 1964
	27	Samples, MLR Cruise 6401-2G, 1963-1964
	28	[Notes, 1965]
	29	Request for Equipment IMR, 1961
	30	Jaffe - Calib. Facilities 3/27/61
	31	Request for Info, 1962
	32	High Level Radiochem Plant, 1961
	33	Material on loan, 1962

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	35	Visitors, 1964-1966
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	37	[Notes, n.d.]
	38	[Data, n.d.]
	39	Potted HV Supply, 1959
	40	III Efficiency Calibration Gains 3" XTL
	41	202 Gain 2 Background 3" XTL
	42	203 Manganese Nodules and Other Concretions
	43	204 SIO Pier Fallout Sample 213
	44	Notes - RAO, 1960
	45	Mohanrao, Sea Water, 1962
	46	G.J.M. Nifer Paper Recd 10/31/62
	47	TMC Register Original Copies
	48	Molson, Detection Device, 1962
	49	Well Survey, Oshry, Neutron Activation
	50	Loring, 1960
	51	NRDC, 1961
	52	Convair, n.d.
	53	Ramo Woolridge, n.d.
	54	Bill Kelly, 1961
	55	Russian Ships, 1958
	56	Report to Dr. Chadwell, 1960

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	58	TRF Personal, 1960-1961
	59	Invitation to Monaco - TRF, 1961
	60	TRF Personal, 1962-1963
	61	Society Records and Personal Records, 1940
	62	Folsom's Itinerary, November 1963
	63	Cs137 Paul Kruger, 1965
	64	Old Sea Water Specimens, Dr. Bert Bolin, 1959
	65	Plankton Subsamplers, 1962-1963
	66	Joel Hedgpeth, 1960-1961
	67	[Paul L.] Horrner, 1956
	68	Couper-Williams, 1961
	69	Dr. Rice Beaufort, North Carolina, Squid from Beaufort, 1964-1965
	70	SIO Publications Data, 1955-1956
	71	TRF Calendars, 1959-1961-1963
	72	1963 SIO Staff Council Meeting Torrey Pines Inn
	73	1962 SIO Organization
	74	Clippings, 1964
	75	Teaching and Research Staff, 1958, 1960
	76	Memos to Faculty Members, 1959
	77	Bldg 25, 1962

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	79	[Notebook, March 1941-January 1942]
	80	[Notebook, July 1947-November 1948]
	81	[Notebook, January 4, 1950-August 31, 1951]
	82	[Notebook, April 14, 1952-October 1952]
20	1	[Notebook, Operation Castle, May 16, 1954-1955]
	2	[Notebook, 1955]
	3	[Notebook, January 4, 1956-May 31, 1957]
	4	[Notebook, November 13, 1957-September 4, 1960]
	5	Manuscript of 2d Geneva Paper, n.d.
	6	Ames 1972 System Schematics
	7	Soledad, n.d.
	8	[U.S. Navy Bathythermograph Observations, 1946]
	9	1966 Report to SIO Director and ONR
HISTORICAL MATERIAL/MISCELLANEOUS ACCOUNTING/BAE SERIES		
	10	Historical Material, Miscellaneous Accounting BAE, Hazleton Nuclear Science, 1963-1964
	11	Historical Material, Misc. Accounting BAE, Hazleton Nuclear Science, 1965-1966

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	13	Cesium Chemistry for Proj. 71 Report
	14	Bio Rad, 1965
	15	U.S. Japan Cooperative Science Program, 1965
	16	Co-60 Edulis Decay
	17	Norway and North American Tunas, 1965
22	27L	1965
20	18	Henry Meyer, 1963
	19	Bureau of Commercial Fisheries - Hawaii, 1964-1965
	20	Sreekumaran's Papers, n.d.
	21	Sylvania Corporation Chemicals, 1965
	22	Kelp, 1965
	23	Solid-State Radiations, Inc., 1965
	24	Inventory, Sea Water Samples, 1965
	25	Betta, Spectrometer, 1964
	26	Electron Captive Assay, 1964
	27	Water Sample Review, November 25, 1964
	28	Betta-Spectrometer Plans, Folsom & Finninn, 1963
	29	20L Samples, 1964
	30	Cs Chemistry, 1964

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	32	Lusiad Cs137, 1964
	33	Walter M. Fredericksen, Jr. (Samples collected by s/v Xamanek en route from San Diego to Honolulu, 6/30 - 7/19/1964)
	34	Hydrographic Data from Hot Squid Area (Stations 63.200 60.190 6406-7G), 1964
	35	References used in Ag110 - Co60, Paper in Nature
	36	Co60 References, 1963-1964
	37	Picket Ship Information, 1964
	38	Squid from Newfoundland; Squid from S. America via Japanese Ship, 1964
	39	Peter Wilson, BCF Gloucester, Massachusetts, 1965
	40	Molechem, 1964
	41	Book Data, 1963
	42	Marinelli Soil Assay Paper, 1958, Argonne Laboratory, Miller
	43	Ganguly, 1965
	44	NVOO HASL Meeting 17-19 Mar 64
	45	Japanese Specimens, 1964
	46	Feenan D. Jennings 1965, Australian Project
	47	NAVOCEANO Cruise to Northern Waters (Northwind), 1965
	48	Tets, Matsui - Mussel Collecting Trip, 10/15/64

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	50	Co-Cs in Sawdust Co60 Stds, 1964
	51	Silver, 1964
	52	Navy Cs151 Co60 Standard Source Records, 1961
	53	TTA Reagent for Cesium, 1964
	54	Tetraphenyl Boron, n.d.
	55	St. Nicolas, Pt. Mugu, Pt. Arguello, 1964
	56	To Min Koide, 1964
	57	Samples from Texas A&M, 1965
	58	SHOYO MARU trip to Valparaiso for Squid and Tuna livers, 12-64
	59	Ashing, 1964
	60	Sea World, 1964
	61	Argonne Lab (Miller) Data & Letter 9/17/56
	62	L.D.. Marinelli Argonne National Laboratory, 1962-1963
	63	Birds - Smithsonian, Hawaii Feb. 1965
	64	Pribilofs Bird Collections, n.d.
	65	Birds - Pacific Smithsonian, Feb. 1966
	66	Battelle Memorial Conference Columbus Ohio Jan. 1966, 1963-1965
	67	Battelle Memorial Conference Columbus Ohio, January 1966, 1966
	68	Co60 Decay, 1965



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20	69	Beta Chemistry I.C.E. Studies 1965, Cs137 (Small Samples) Spectrometer (B)
	70	Navy Radiological Laboratory, 1965
	71	Guam Samples, 1965
	72	Los Alamos National Laboratory, January 12, 1965
	73	Tracer Lab Hg-203, 1965
	74	Review Committee, Wed. 24 November 1965
	75	Rough Notes and Duplicates, E, H & S [Environmental Health and Safety], 1959-1961
	76	Rough Notes & Duplicates, E H & S, 1962-1965
	77	Yamagata, 1965
		FALLOUT IN THE OCEAN, Cs137 and Sr90 SERIES
	78	Notes on Proposal for Interim Gear for Electronic hydrog. for SIO, Folsom, Schwartzlose, 1957
	79	U0, U1 and U2 Summary, 1965-1966
	80	Cs137 1964 Calif. Cruises and Tony's Map
	81	Sections for Annual Report, 1968
	82	Cs137 Profile Diffusion Coefficient
	83	Cs137 Profiles, n.d.
	84	July 11 Speech 1968, NSF

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20	85	Chain, n.d.
	86	North Pacific Circulation, 1967
	87	Sr90 in Pacific and Atlantic, 1964-1967
	88	Ref to Miyake Reply Paper, 1964
	89	Ref to Miyake Reply Paper, 1964
21	1	Rare Earth [Elements], Kameda
	2	PM Papers (French), 1958
	3	Radioactivity in Fishes
	4	Waste Disposal Radioactivity, 1959
	5	References and Notes on Scintillation Probe, n.d.
	6	Reversing Thermometer Formulae, 1964
	7	Reference Lists, 1963
	8	Clinop File, (Misc.), n.d.
	9	Clinop Studies, 1963
	10	Clinop "J," 1963
	11	Clinop "A"
	12	Clinop "B" HNO <sub>3</sub> treated - SW-eluted -NH <sub>4</sub> Conite history
	13	Clinop "C"
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	19	Clinop "I"
	20	Clinop "K" Hot Kinetics test
	21	Clino L Hot Kinetics Test, 1963
	22	Clino M
	23	Linde 4A, 13X
	24	Linde AW-500
	25	Linde AW-300
	26	Linde AW-400
	27	Bio-Rex-40
	28	Ionization Column Leo Miller see H2O Run through 20
	29	MnO2 Pier Sea H2O Paper
	30	Joe Johnson [Laboratory Notebook, 1962-1963]
	31	Clinoptilolite, Figure 1
	32	Clinoptilolite, Summaries 1963
	33	Clinoptilolite, n.d.
	34	Clino Paper Notes, n.d.
	35	Clinoptilololite - XRay
	36	Urechis
	37	Clinoptilolite, n.d.
	38	Ion Exchange, Urechis
	39	Dow Chemical

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21	40	Linde 10N Exchange Zoolites
	41	Agar, 1941-1945
	42	Descriptive Illustrations of the Wigwam Instrument Report
	43	Backgrounds & Calibs
	44	Data, n.d.
	45	Design and Shop Drawings Wigwam Gamma Probe
	46	[Blueprints, 1952-1958]
	47	Photographic Negatives for the Digital Recorders
	48	Oxygen Data, n.d.
	49	Wachusett March 1967 Cs137
	50	Cs137-133 USCGS Glacier, 1966-1967
	51	ARGO Nova 1967 Salinity Detn.
	52	Jordan Eastropic J-Numbers Feb-Mar 1967
	53	ARGO Eastropic EA Numbers Jan-Feb 1967
	54	Cs137-Cs133 Cruises Completed, 1966, David Starr Jordan, June-July 1966
	55	Esmeralda IV, 1966
	56	Esmeralda - Leg II
	57	Esmeralda March 1966, Tow Samples & Tubes
	58	Alpha Helix Billabong Expedition, March-April 1966
	59	Agassiz Shore Cruise 6601-G, 1966

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21	60	Agassiz 6602, 1966
	61	Ad. Zwickert, Kiel, 1914
	62	Horizon Cruise, Dec. 1965
	63	[Notes, n.d.]
	64	For JDI, 1979
	65	N Pac Model Masters, n.d.
	66	Masters, n.d.
	67	Cesium 137 Paper, Drawings, Photos and Negatives, 1962
	68	Ms. 1973 Notes
	69	Ms. 1973 Notes, 1972-1973
	70	Probable Surface Currents N. Pacific (Photos) Wust, 1973
	71	Combined Maps Showing Currents - Pat Hall Photos, 1973
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	73	Chart Showing USSR, USA, French and Chinese "Bombs" Orig. Drawing, 1961-1969, 1971
	74	[Wigwam, 1955]
	75	Translations, Russian to English, 1973
	76	Wigwam Hydro. Data, 1958
	77	[Wigwam, 1955]
	78	[Wigwam, 1956-1980]

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21	79	[TR Folsom "Some Measurements of Global Fallout Suggesting Characteristics of the N. Pacific Controlling Dispersal Rates of Certain Surface Pollutants," 1979]
	80	Working Group Reports IAEA Vienna, November 1968
	81	Proceedings of the Panel Meeting on the Reference Methods for Marine Radioactivity Studies, 18-22 November 1968, Vienna, Part 1
	82	Part 1
22	28L	Part 1
	29L	Part 2
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22	31L	Redwing Recorder Design Details, n.d.