

University of Washington, Laboratory of Radiation Ecology records, 1944-1984

Overview of the Collection

Creator	University of Washington. Laboratory of Radiation Ecology
Title	University of Washington, Laboratory of Radiation Ecology records
Dates	1944-1984 (inclusive) 1944 1984
Quantity	27 cubic feet (27 boxes)
Collection Number	
Summary	Records documenting the administration and research projects of the Applied Fisheries Laboratory, the Laboratory of Radiation Biology, and the Laboratory of Radiation Ecology at the University of Washington.
Repository	University of Washington Libraries, Special Collections Special Collections University of Washington Libraries Box 352900 Seattle, WA 98195-2900 Telephone: 206-543-1929 Fax: 206-543-1931 speccoll@uw.edu
Access Restrictions	The records are open to all users; however, access to records that are exempt from public disclosure is restricted. Contact the Special Collections division of the University of Washington Libraries for details.
Languages	English
Sponsor	Funding for encoding this finding aid was partially provided through a grant awarded by the National Endowment for the Humanities.

Historical Note

The Applied Fisheries Laboratory was created at the University of Washington in 1943. Dr. Lauren R. Donaldson was the first director. In 1946 the laboratory came under the administration of the U.S. Atomic Energy Commission. The laboratory was charged with the responsibility to develop methods for evaluating the hazards of radiation in and around water used as a cooling agent for atomic energy plants. Its main efforts were directed toward evaluating the effect of the Hanford Nuclear Site on the Columbia River. In 1946 the laboratory began studies of the biological effect of the weapons tested at the Eniwetok Test Site at Bikini and Eniwetok Atolls, and focused on these studies for over twelve years. After a 1954 accident when a weapon detonated at Bikini Atoll and contaminated a Japanese fishing vessel and the Rongelap atoll in the Eastern Marshall Islands, the laboratory studied the contamination of fish in the surrounding waters and on native foods at Rongelap. These studies expanded to include detailed investigations of the ecology of Rongelap. In 1957 the contract with

the Atomic Energy Commission was expanded to develop a cooperative laboratory with the state of Washington Department of Game at Fern Lake in Kitsap County.

In 1958 the name of the Applied Fisheries Laboratory changed to Laboratory of Radiation Biology, and in 1966 that name changed to Laboratory of Radiation Ecology. It continued as a division of the Fisheries Research Institute until approximately 1987.

Content Description

This record group documents the administration and research projects of the Applied Fisheries Laboratory, later known as the Laboratory of Radiation Biology and then the Laboratory of Radiation Ecology, at the University of Washington. Records include documentation of studies of the Bikini and Eniwetok Atolls, the Marshall Islands, the Columbia River, and Fern Lake, among many other locations. Included are correspondence, reports, writings, subject files, logs, photographs and slides, trip files, convention and conference files, and ephemera.

Use of the Collection

Restrictions on Use

These are public records; use is unrestricted when access is granted.

Preferred Citation

University of Washington, Laboratory of Radiation Ecology records. Special Collections Division, University of Washington Libraries, Seattle, Washington.

Administrative Information

Arrangement

Arranged in two accessions:

Accession No. 90-060, University of Washington, Laboratory of Radiation Ecology records, 1948-1984

Accession No. 00-065, University of Washington, Laboratory of Radiation Ecology records, 1944-1970

Detailed Description of the Collection

Accession No. 90-060: University of Washington, Laboratory of Radiation Ecology records, 1948-1984 (bulk 1965-1980)

14 cubic feet (14 boxes)

Arrangement: Arranged by type of document.

University of Washington, Laboratory of Radiation Ecology records, 1944-1984
<http://archiveswest.orbiscascade.org/ark:/80444/xv21606>

Scope and Content: The bulk of the accession consists of documentation of the experiments and research of the laboratory. Included are writings and reports on many topics, including radiation near the Pacific atolls, Columbia River radioecology, and pollutants in Prudhoe Bay, Alaska. Also includes project files on the Fern Lake Project, Project Chariot, and the Marshall Islands. Other records include administrative records, conference and convention records, committee records from the University of Washington College of Fisheries, and photographs of research specimens and sites.

Restrictions on Access: These are public records. Public disclosure laws may restrict access to some records.

Acquisition Info: Received from Tom Sibley in April 1990.

Processing Info: Partially processed in 2000 by Jamie Wamsley.

Container(s)		Description	Dates
Administrative Records			1948-1981
Box/ Folder	Accession		
1/1	90-060	Historical Information	1981
1/2	90-060	Organizational Information	1966-1970
1/3-4	90-060	Incoming Letters	1972-1979
1/5-18	90-060	Outgoing Letters	1967-1980
General Correspondence			
Box/ Folder	Accession		
1/19	90-060	Battelle Pacific Northwest Laboratories	1973-1980
1/20	90-060	Regarding Christmas Island Trip	1975-1977
1/21	90-060	Correspondence of Donaldson, Lauren R.	1948-1956
1/22	90-060	Holmes and Narver	1979
1/23	90-060	International Atomic Energy Agency	1972-1979
1/24	90-060	Lawrence Livermore Laboratory	1973-1980
1/25	90-060	Mid-Pacific Marine Laboratory	1977-1978

Container(s)		Description	Dates
1/26	90-060	Regarding Radiological Sciences	1978-1979
1/27-28	90-060	Schell, William Raymond <u>Scope and Content:</u> Contains personal and personnel information.	1968-1980
1/29	90-060	Regarding UNESCO, WESTPAC, Intergovernmental Oceanographic Commission, Task Team on Marine Pollution	1979-1980
1/30	90-060	U.S. Agriculture Department	1967-1976
1/31-32	90-060	U.S. Atomic Energy Commission	1971-1975
2/1	90-060	U.S. Commerce Department / NOAA	1976-1979
2/2	90-060	U.S. Energy Department	1977-1980
2/3	90-060	U.S. Energy Research and Development Administration	1975-1978
2/4-5	90-060	Washington State University, Nuclear Radiation Center	1972-1978
2/6	90-060	Miscellaneous A-Z	1976-1977

Interdepartmental Correspondence

Box/ Folder	Accession		
2/7	90-060	University of Washington Environmental Health and Safety	1968-1977
2/8	90-060	University of Washington School of Public Health and Community Medicine	1976-1978
2/9	90-060	University of Washington, Washington Energy Research Center	1980
2/10	90-060	Regarding Water Quality Cost Center	1975-1977
2/11-12	90-060	Miscellaneous	1966-1980

Intradepartmental Correspondence

Container(s)	Description	Dates
Box/ Folder	Accession	
2/13	90-060 Regarding Marine Sciences College	1980
2/14-18	90-060 Miscellaneous	1971-1981
Box/ Folder	Accession	
2/19	90-060 Minutes - University of Washington, College of Fisheries	1978-1980
Reports		
Box/ Folder	Accession	
2/20	90-060 Annual Reports - L.R.E.	1974-1979
2/21	90-060 Annual Reports - College of Fisheries	1962-1977
2/22	90-060 Annual Report on Benthic Marine Invertebrates of the Chukchi Sea, Project Chariot	1960
2/23	90-060 Annual Reports - Laboratory of Radiation Ecology	1967-1978
2/24	90-060 Progress Reports - Effects of Irradiation, Temperature, and Other Environmental Factors on Salmonoid Embryos	1968
2/25	90-060 Progress Report of the Laboratory of Radiation Biology	1959
2/26	90-060 Radiation Dosimetry Reports	1976-1980
3/1	90-060 Scripps Annual Report	1971-1972
3/2	90-060 Field Trip Reports	1961-1978
3/3	90-060 Trip Report	1960-1976
3/4	90-060 Trip Report - Eniwetok Program	1972
3/5	90-060 Trip Report - Project Chariot	1960-1964

Container(s)	Description	Dates
3/6	90-060 Foreign Travel Report	1963
Box/ Folder	Accession	
11/37	90-060 Financial Records	1978-1979
11/38	90-060 Newsletters	1980
11/39	90-060 News Releases	1972, 1979
11/40	90-060 Notes	1979, undated
11/41	90-060 List	1974
11/42	90-060 Research Results	1972-1980
11/43	90-060 Research Directives	1972-1979
11/44	90-060 Telephone Logs	1972
11/45	90-060 Cruise Plans and Proposals	1969-1977
	Speeches, Writings, and Reports	1950-1980
	From Projects	
	Project Chariot	
Box/ Folder	Accession	
3/7	90-060 1961 Salmon Survey, Project Chariot	1962
3/8	90-060 Criteria for Chariot Radiological Survey	1960
3/9	90-060 Future Use of Atomic Energy, Project Chariot, Alaska	1960
3/10	90-060 List of Fishes from the Vicinity of Project Chariot	1959
3/11	90-060 Salmon Resource in the Vicinity of the Chariot Project	1959

Container(s)	Description	Dates
3/12	90-060 Salmon Resource in the Vicinity of the Chariot Site	1960
	Fern Lake Project	
Box/ Folder	Accession	
3/13	90-060 Cooperative Research Program for the Fern Lake - Rocky Creek Watershed	1957
3/14	90-060 Fern Lake Geologic Study	1959
3/15	90-060 Fern Lake Trace Mineral Metabolism Program	1959
3/16	90-060 Limnology of Fern Lake	1965
3/17	90-060 Use of Radioisotopes in the Fern Lake Program	1964
	Marshall Islands Projects	
Box/ Folder	Accession	
3/18	90-060 Bikini Report	1951
3/19	90-060 Carapus Homei (Richardson) in a Sea Cucumber from the Marshall Islands	1960
3/20	90-060 Description of Nitrogen and Phosphorus Distribution in Some Atoll Land Ecosystems	1964
3/21	90-060 Distribution of Radioisotopes among Marine Organisms in the Western Central Pacific	1959
Box/ Folder	Accession	
3/22	90-060 Iron ⁵⁵ in Rongelap People, Fish and Soils	1971
3/23	90-060 Key to the Land Plants of Rongelap Atoll	1959
3/24	90-060 Nitrogen Studies of Rongelap Atoll Soils	1961

Container(s)		Description	Dates
3/25	90-060	Occurrence of Bismuth ²⁰⁷ at Eniwetok Atoll	1962
3/26	90-060	Plutonium and Americum in Soils of Bikini Atoll Islands	1975
3/27	90-060	Qualitative Distribution of Radionuclides at Rongelap Atoll	1963
3/28	90-060	Radiocesium in Plants Grown on Rongelap Atoll Soils	1961
3/29	90-060	Radiobiological Studies at the Eniwetok Test Site and Adjacent Areas of the Western Pacific	1959
3/30	90-060	Radiological Resurvey of Animals, Soils, and Groundwater at Atoll, 1969-70	1971
3/31	90-060	Relationships Between Atolls and Benthic Algae	1957
3/32	90-060	Silver ^{108m} in the Biota and Sediments at Bikini and Eniwetok Atolls	1971
3/33	90-060	Soils of Rongelap Atoll, Marshall Islands	1962
Miscellaneous			
Box/ Folder	Accession		
3/34	90-060	Accumulation and Loss of Zinc ⁶⁵ by Oysters in a Natural Environment	1966
3/35	90-060	Autoradiography of Sectioned Soil Cores	1965
3/36	90-060	Debris from the Chinese Atomic Test of May 1965 Intercepted over the Northwestern United States	1966
3/37	90-060	Detection and Measurement of Low-Intensity Nuclear Radiation	1964
3/38	90-060	Difference in Uptake of Radioisotopes by Marine and Terrestrial Organisms	1961
3/39	90-060	Distribution of Zinc ⁶⁵ in Plankton from Offshore Waters of Washington and Oregon, 1961-1963	1965

Container(s)	Description	Dates
3/40	90-060 Effect of Rotenone on Zooplankton Populations in Freshwater Lakes	1963
3/41	90-060 Effects of Radiation on Aquatic Organisms	1957
3/42	90-060 Effects of Temperature upon the Formation of Vertebrae and Fin Rays in Young Chinook Salmon	1959
3/43	90-060 Electron-Microscope Studies of Drosophila Salivary-Gland Chromosomes	1956
3/44	90-060 Electron-Microscope Studies of Silver Salmon Spermatozoa	1953
3/45	90-060 Evaluation of Radioactivity in the Marine Environment of the Pacific Proving Ground	undated
3/46	90-060 Exchange of Zinc with Environmental Solutions by the Brown Bullhead	1961
3/47	90-060 Factors Controlling the Distribution of The Rare Earths in the Environment and in Living Organisms	1963
3/48	90-060 Fallout in the Ocean	1959
3/49	90-060 Fallout Nuclides in the Marine Environment, Summary of Reports	1961
3/50	90-060 Fallout Radionuclides in Pacific Ocean Tuna	1971
3/51	90-060 Fish and Radioactivity	1960
3/52	90-060 Growth and Fecundity of Rainbow Trout Exposed to Single Sublethal Doses of X-Rays during the Eyed Embryo Stage	1971
3/53	90-060 Increase in Radioresistance of Fish to Lethal Doses with Advancing Embryonic Development	1963
3/54	90-060 Iron and Cobalt in Ecology	1963
3/55	90-060 Isotopic Exchange of Zinc ⁶⁵ from Zinc Chloride onto Clay	1963

Container(s)	Description	Dates
3/56	90-060 Joint Statement, Second Meeting of Japan - United States Scientists on Environmental Monitoring of 1962 Nuclear Weapons Tests	1962
3/57	90-060 Lead ²¹⁰ Production by Nuclear Devices, 1946-58	1969
3/58	90-060 Lead and Mercury in Aquatic Environments	1971
3/59	90-060 Long Term Release of Radioactivity from Rainier Melt-Glass	1971
3/60	90-060 Lutetium ¹⁷⁷ in Environmental and Biological Samples	1961
3/61	90-060 Meeting of American Representatives with Scientists from the Japanese RV Shoyo Maru	1962
3/62	90-060 Moulting Behavior of Birgus Latro	1963
3/63	90-060 Mineral Cycling in a Douglas Fir Forest Stand	1965
3/64	90-060 Nickel ⁶³ in Marine and Terrestrial Biota, Soil and Sediment	1969
3/65	90-060 Plutonium in Aqueous Systems	1974
3/66	90-060 Preconception for Trace Analysis of Sea Waters	1967
3/67	90-060 Preliminary Note on X-Ray Diffraction Studies with the Tails of Spermatozoa of Silver Salmon	1955
3/68	90-060 Program for Education and Research Needed in Radiation Biology in the Expanded Federal Effort	1961
3/69	90-060 Publications (Reprints)	1975-1979
3/70	90-060 Radiation Effects	1971
3/71	90-060 Radioecology of Aquatic Organisms, Book Review	1968
3/72	90-060 Radioisotope X-Ray Fluorescence Spectrometry in Aquatic Biology: A Review	1971

Container(s)	Description	Dates
3/73	90-060 Radiological Analyses of Marine Organisms	1966
3/74	90-060 Radionuclides at the Deep Water Disposal Sites...	1980
3/75	90-060 Radionuclides in Foods from the Central Pacific, 1962	1966
3/76	90-060 Radionuclides in Plankton and Tuna from the Central Pacific	1963
3/77	90-060 Retention and Translocation of Radioactive Zinc by Salmon Fingerlings	1961
3/78	90-060 Salmon Resource, The	1966
3/79	90-060 Salmon Stock Identification Using a Micro Analytical Technique to Measure Elements Present in the Central Portion of Scales	1978
3/80	90-060 Some Aspects of the Biology of Zirconium ⁹⁵	1963
3/81	90-060 Some Tests with Experimental Groups of Fingerling Rainbow Trout	1950
3/82	90-060 Stable and Radioactive Zinc in Wallapa Bay	1963
3/83	90-060 Stock Identification Using X-Ray Spectrometry and Multivariate Techniques	undated
3/84	90-060 Symposium on Radioecology, Book Review	1969
3/85	90-060 The Twentieth Year	undated
3/86	90-060 Uptake and Translocation of Radioisotopes in Plants	1965
3/87	90-060 Use of Radioisotopes and Radiation to Study Plant and Animal Life in Fresh and Marine Waters	1961
3/88	90-060 Use of Radioisotopes as a Tag for Fish	undated
3/89	90-060 X-Rays and Temperature: Combined Effects on Mortality and Growth of Salmon Embryos	1971

Container(s)	Description	Dates
From Individuals		
Box/ Folder	Accession	
3/90	90-060 Beasley, Thomas	1969-1971
3/91	90-060 Nelson, Victor A.	1971-1976
3/92	90-060 Nevissi, Ahmad	1975-1976
4/1-2	90-060 Schell, William R.	1971-1979
4/3	90-060 Seymour, Allyn	1968-1973
Project Files		1946-1984
13 Atoll		
Box/ Folder	Accession	
4/4	90-060 General Correspondence	1978-1980
4/5	90-060 Minutes	1980
Reports		
Box/ Folder	Accession	
4/6	90-060 Progress Report	undated
4/7	90-060 Trip Report	1978
Box/ Folder	Accession	
4/8	90-060 Financial Records	1979-1980
4/9	90-060 Proposal	1978-1980

Container(s)		Description	Dates
4/10	90-060	Contracts	1979-1980
4/11	90-060	Research Directives	1979
4/12	90-060	Research Results	1979-1980
Subject Files			
Box/ Folder	Accession		
4/13	90-060	DCD Information	1979
4/14-15	90-060	Price Rate Materials	1978-1979
4/16	90-060	Technical Information	1978
Amchitka			
Box/ Folder	Accession		
4/17	90-060	Biographical Information	1969-1978, undated
4/18-21	90-060	General Correspondence	1970-1979
Reports			
Box/ Folder	Accession		
4/22	90-060	Annual Progress Report	1971-1972
4/23	90-060	Aquatic Studies	1969-1973
4/24	90-060	Cumulative Progress Report	1969-1971
4/25	90-060	Long Term Effects Monitoring Program, Amchitka Island	1971-1972
4/26-28	90-060	Progress Reports	1977-1979

Container(s)		Description	Dates
4/29	90-060	Quarterly Progress Reports	1971-1973
4/30	90-060	Task Force Report	1974
4/31	90-060	Terrestrial Studies	1972-1976
5/1	90-060	Trip Reports	1971-1977
Speeches and Writings			
Box/ Folder	Accession		
5/2	90-060	Fallout Radionuclides in Amchitka Island Marine and Freshwater Environments	1972
5/3	90-060	Miscellaneous	undated
Box/ Folder	Accession		
5/4	90-060	Collection/Transfer Permits for Plants and Soil	1974-1977
5/5	90-060	Research Results	1978, undated
5/6	90-060	Sample Analyses	1979, undated
5/7	90-060	Notebooks	1972-1979
Lists			
Box/ Folder	Accession		
5/8	90-060	Field Equipment	1978
5/9	90-060	Sampling Locations	1968-1978
5/10	90-060	Species Checklist	1967-1972
Box/ Folder	Accession		

Container(s)	Description	Dates
5/11	90-060 Carbon Geochemistry	1981-1982
	Columbia River Radioecology	
	Reports	
Box/ Folder	Accession	
5/12	90-060 Progress Report	1961
5/13	90-060 Trip Reports	1961-1972
	Writings	
Box/ Folder	Accession	
5/14	90-060 Gamma-Emitting Radionuclides in Dover Sole Caught off the Mouth of the Columbia River	1965
5/15	90-060 A Program to Study the Radionuclides in Water, Bottom and Biological Samples from Near the Mouth of the Columbia River	1960
Box/ Folder	Accession	
5/16	90-060 Proposal	1967-1972
	DSHS Radiation Analysis	
Box/ Folder	Accession	
5/17	90-060 Contracts	1980
5/18	90-060 Research Results	1980
5/19	90-060 Technical Information and Reports	1978-1979
	Distribution Coefficients	

Container(s)	Description	Dates
Box/ Folder	Accession	
5/20-21	90-060 General Correspondence	1976-1981
	Reports	
Box/ Folder	Accession	
5/22-26	90-060 Annual Progress Reports	1976-1980
5/27	90-060 Final Summary Report	1981
5/28	90-060 Interim Report	1978
5/29	90-060 Quarterly Progress Report	1979-1980
Box/ Folder	Accession	
5/30-31	90-060 Speeches and Writings	undated
5/32	90-060 Financial Records	1979-1980
5/33	90-060 Proposal	1980-1981
5/34	90-060 Project Briefs	1978
5/35	90-060 Computer Systems Information	1978-1979
5/36-41	90-060 Contracts	1976-1981
	Heavy Metals	
Box/ Folder	Accession	
6/1	90-060 General Correspondence	1975-1977
	Reports	

Container(s)	Description	Dates
Box/ Folder	Accession	
6/2-3	90-060 Final Report	1975-1976
6/4	90-060 Technical Information and Reports	1975
	Writings	
Box/ Folder	Accession	
6/5	90-060 Environmental Sampling and Analysis for Trace Metals in Puget Sound	1975
6/6	90-060 Heavy Metals from Waste Disposal, Central Puget Sound	1975
6/7	90-060 Miscellaneous	1977-1978
Box/ Folder	Accession	
6/8	90-060 Financial Records	1974-1979
6/9-10	90-060 Proposal	1973-1976
6/11-13	90-060 Contracts	1974-1976
	Inhaled Aerosols	
Box/ Folder	Accession	
6/14	90-060 General Correspondence	1977-1980
6/15	90-060 Financial Records	1977
6/16	90-060 Proposal	1977
6/17	90-060 Contracts	1978-1980
6/18	90-060 Research Results	1978-1980

Container(s)	Description	Dates
Johnston Atoll		
Box/ Folder	Accession	
6/19	90-060 General Correspondence	1966-1977
Reports		
Box/ Folder	Accession	
6/20	90-060 Annual Reports	1966-1976
6/21	90-060 Trip Reports	1968-1976
Box/ Folder	Accession	
6/22	90-060 Financial Records	1980
6/23-29	90-060 Proposal	1970-1976
6/30	90-060 Contracts	1979-1984
Lake Union Sediments		
Box/ Folder	Accession	
6/31	90-060 General Correspondence	1975-1976
6/32	90-060 Reports	1975
6/33	90-060 Proposal	1973-1975
6/34	90-060 Technical Information and Reports	undated
Lead Pollution		
Box/ Folder	Accession	

Container(s)	Description	Dates	
6/35	90-060	General Correspondence	1969-1974
		Reports	
Box/ Folder	Accession		
6/36	90-060	Annual Progress Report	1971-1972
6/37	90-060	Progress Report	1971
6/38	90-060	Technical Information Reports	1970-1972
Box/ Folder	Accession		
6/39-7/4	90-060	Proposal	1970-1973
7/5	90-060	Contracts	1969-1973
7/6	90-060	Administrative Information	1972-1974
		Longshot	
Box/ Folder	Accession		
7/7	90-060	General Correspondence	1965-1969
		Reports	
Box/ Folder	Accession		
7/8-9	90-060	Technical Operations Plan	1965
7/10	90-060	Trip Report	1965
7/11	90-060	Miscellaneous	1965
Box/ Folder	Accession		

Container(s)	Description	Dates	
7/12	90-060	Speeches and Writings	1966
7/13	90-060	Financial Records	1964-1965
7/14	90-060	Meeting Notes	1965
7/15	90-060	Daily Logs	1964-1966
7/16	90-060	Safety Regulations	1964-1965
7/17	90-060	Telephone Log	1965-1966
7/18	90-060	Maps	undated
7/19	90-060	Clippings	1965-1966
New York Creeks			
Box/ Folder	Accession		
7/20	90-060	General Correspondence	1978-1981
Reports			
Box/ Folder	Accession		
7/21	90-060	Annual Progress Report	1978-1979
7/22	90-060	Progress Reports	1979-1981
7/23-26	90-060	Quarterly Progress Reports	1979-1981
7/27	90-060	Sediment and Radionuclide Transport in Rivers	1979
Box/ Folder	Accession		
7/28	90-060	Financial Records	1979-1980
7/29	90-060	Proposal	1978-1981

Container(s)		Description	Dates
7/30	90-060	Contracts	1978-1981
7/31	90-060	Research Directives	1979
7/32	90-060	Research Results	1978-1980
8/1	90-060	Maps	undated
8/2	90-060	Tables	undated
Pacific Radioecology			
Box/ Folder	Accession		
8/3-4	90-060	General Correspondence	1974-1980
Reports			
Box/ Folder	Accession		
8/5-6	90-060	Annual Reports	1976-1977
8/7	90-060	Progress Report	1977
8/8	90-060	Radiological Survey of Plants, Animals, and Soil in Micronesia, November 1975	1978
Box/ Folder	Accession		
8/9	90-060	Financial Records	1978-1979
8/10-13	90-060	Proposal	1976-1980
8/14	90-060	Proposal Instructions	1972-1973
8/15-16	90-060	Contracts	1966-1981
8/17	90-060	Bibliography	1946-1978

Container(s)		Description	Dates
8/18	90-060	Manuscript List	1968-1971
8/19	90-060	Research Results	1979
8/20	90-060	Subject File - Form 189	1977-1979
Pollutants in Sewage			
Box/ Folder	Accession		
8/21	90-060	General Correspondence	1979-1980
8/22	90-060	Financial Records	1980
8/23	90-060	Research Directives	1979
8/24	90-060	Research Results	1979-1980
Pollution Dynamics			
Box/ Folder	Accession		
8/25	90-060	General Correspondence	1976-1979
8/26	90-060	Proposal	1975-1977
Prudhoe Bay			
Box/ Folder	Accession		
8/27	90-060	General Correspondence	1979-1980
Reports			
Box/ Folder	Accession		
8/28	90-060	Histopathological Report	1979

Container(s)	Description	Dates
8/29	90-060 First Progress Report	1979
8/30	90-060 Second Progress Report	1979
8/31	90-060 Third Progress Report	1980
8/32	90-060 Miscellaneous	1979
Box/ Folder	Accession	
8/33	90-060 Financial Records	1979-1980
	Speeches and Writings	
Box/ Folder	Accession	
8/34	90-060 Regarding Sediment Toxicity	1979-1980
8/35	90-060 Safe Practices and Training Manual	undated
8/36	90-060 Technical Plan Beaufort Sea Drilling Effluent Disposal Study	1979
8/37-9/4	90-060 Toxicity of Drilling Fluids to Marine Organisms in the Beaufort Sea, Alaska	1979-1980
9/5	90-060 Waterflood Project Volume 1: Engineering	1979
9/6	90-060 Waterflood Project Volume 2: Environmental	1979
Box/ Folder	Accession	
9/7	90-060 Bibliography	undated
9/8-9	90-060 Daily Log and Catch Data	1979
9/10-11	90-060 Scientific Data	1964
9/12	90-060 Manuscript	1980

Container(s)		Description	Dates
9/13-14	90-060	Laboratory Notebooks	1979
9/15	90-060	Notebooks	1979
9/16	90-060	Transparencies	undated
9/17	90-060	Tables	undated
Notes			
Box/ Folder	Accession		
9/18	90-060	Field Notes	1979
9/19-20	90-060	Notes of the Day, C Program, Data	1979
9/21	90-060	Miscellaneous	1979
Subject Files			
Box/ Folder	Accession		
9/22	90-060	Bioassay Results	1979
9/23	90-060	Chemical Lab Verification	1979
9/24	90-060	Computer Manipulation	1979
10/1	90-060	Frozen Sampling Inventory	1979
10/2	90-060	Future Nortec Work	undated
10/3	90-060	Live Boxes	undated
10/4	90-060	Mud Source for Bioassay	1979
10/5	90-060	Probit Analysis	1979
10/6	90-060	Prudhoe Collection Permit	1979

Container(s)	Description	Dates
10/7	90-060 Sag River	1980
	Pycnocline Vertical Mixing	
Box/ Folder	Accession	
10/8	90-060 General Correspondence	1978-1980
	Reports	
Box/ Folder	Accession	
10/9	90-060 Final Project Report	1979-1980
10/10	90-060 Progress Reports	1979-1980
Box/ Folder	Accession	
10/11	90-060 Financial Records	1978
10/12-14	90-060 Proposal	1977-1979
10/15	90-060 Contracts	1978-1980
10/16	90-060 Subject File - Graduate School Funds	1980-1981
	"Radioiso Sea Organisms"	
Box/ Folder	Accession	
10/17	90-060 General Correspondence	1970-1974
10/18	90-060 Report	1969-1974
10/19-22	90-060 Proposal	1968-1974
10/23	90-060 Contracts	1969-1977

Container(s)		Description	Dates
10/24	90-060	Administrative Information	1969-1974
10/25	90-060	Drawings	undated
10/26	90-060	Technical Information and Reports	1972-1973, undated
Radionuclides Study			
Box/ Folder	Accession		
10/27	90-060	General Correspondence	1970-1975
Reports			
Box/ Folder	Accession		
10/28-33	90-060	Annual Progress Reports	1970-1977
10/34	90-060	Technical Information Reports	1971-1973
10/35	90-060	Trip Report	1973
Box/ Folder	Accession		
10/36-38	90-060	Proposal	1969-1977
Box/ Folder	Accession		
10/39-40	90-060	Renewal	1971-1977
11/1	90-060	Special Equipment	1972
11/2-3	90-060	Contracts	1970-1975
11/4	90-060	Contract - Bikini-Eniwetok Supplement	1972
11/5	90-060	Administrative Information	1970-1975

Container(s)		Description	Dates
11/6	90-060	Research Results	1976
11/7	90-060	Plant and Soil Transport Records	1974-1976
11/8	90-060	Charts and Graphs	1980
11/9	90-060	Manuscript List	1971-1976
Sources and Sinks			
Box/ Folder	Accession		
11/10	90-060	General Correspondence	1978
11/11	90-060	Proposal	1977-1978
Trace Contaminants			
Box/ Folder	Accession		
11/12	90-060	General Correspondence	1974-1977
11/13	90-060	Report - Elliott Bay Dredge Disposal Project	1977
11/14	90-060	Proposal	1975
11/15	90-060	Contracts	1975-1976
11/16	90-060	Technical Information and Reports	1975
11/17	90-060	Trace Metals	1976-1978
Conference and Convention Files			1971-1980
Box/ Folder	Accession		
11/18	90-060	35th Northwest - 5th Biennial Rocky Mountain Joint Regional Meeting	1980

Container(s)		Description	Dates
11/19	90-060	Announcements	1973-1975
11/20	90-060	Consultant's Meeting for the Co-ordination of WMO Background Air Pollution Monitoring...	1977
11/21	90-060	ERDA West Coast Marine Workshop	1976
11/22	90-060	Ecosystem Processes and Organic Contaminants Workshop	1975
11/23	90-060	Environmental Resources Conference: Cycling and Control of Metals	1972
11/24	90-060	Fourth National Symposium on Radioecology	1975
11/25	90-060	International Conference on Heavy Metals in the Environment	1975
11/26	90-060	International Symposium on the Multi-Media Global Monitoring of Environmental Pollution	1978
11/27	90-060	Marshall Island Workshop	1977
11/28	90-060	Mid-Pacific Marine Lab Workshop	1979
11/29	90-060	Second Annual Life Sciences Symposium: "Plutonium - Health Implications for Man"	1974
11/30	90-060	Second International Dumping Symposium	1980
11/31	90-060	Symposium on the Interaction of Radioactive Contaminants with the Constituents of the Marine Environment	1972
11/32	90-060	Symposium on Transuranium Nuclides in the Environment	1975
11/33	90-060	Third National Symposium on Radioecology	1971
11/34	90-060	Tritium Symposium	1971
11/35	90-060	Workshop on Environmental Research for the Transuranium Elements	1975

Container(s)		Description	Dates
11/36	90-060	Miscellaneous	1971-1977
Subject Files			1962-1981
Box/ Folder	Accession		
11/46	90-060	Argon Sampling	1971-1972
11/47	90-060	Bikini Trip, WRS	1972
11/48	90-060	British Columbia Department of Environment, Marine Plants Section	1979-1980
11/49	90-060	Classification Information	1972
11/50	90-060	Computer	1973-1974
11/51	90-060	Consultations	1979-1980
11/52	90-060	Contract Status Report	1975-1981
11/53	90-060	Cost Analysis for Samples	1976
12/1	90-060	Engstrom, Derek E.	1962-1967
12/2	90-060	Environmental Chemistry	1980
12/3-4	90-060	Equipment Inventory	1964-1977
12/5	90-060	Equipment Lease Information	1979-1980
12/6	90-060	Equipment on Loan	1971-1980
12/7	90-060	Equipment Service Maintenance Information and Contracts	1979-1980
12/8	90-060	Inventory - Precious Metals Report	1970-1980
12/9	90-060	Job Descriptions	1965-1976
12/10	90-060	Metro Inter-Cooperation Meeting	1972

Container(s)	Description	Dates
14/8	90-060 Municipality of Metropolitan Seattle, Toxicant Control Program Committee (Ad Hoc)	1979
12/11	90-060 Nuclear Material Procurement License	1951-1968
12/12	90-060 Programs and Projects	1968-1971
12/13	90-060 Puget Sound Council	1974
12/14-15	90-060 Research Development and Grant Information	1968-1972
13/1	90-060 Research Proposal Information	1970-1976
13/2	90-060 Salary Schedule Student/Graduate Work Study Program	1974,1978, undated
13/3	90-060 Sandia Laboratories	1979
13/4	90-060 Schell, William R. - Biographical Information	1972-1979
13/5	90-060 Schell, William R. - Publications, Manuscripts: A Study of Lead and Mercury in ...Washington State	1972-1973
13/6	90-060 Scientific Collector's Permit	1980
13/7	90-060 Security Visitor Clearance	1964-1974
13/8	90-060 Southern California Coastal Water Research Project	1971-1972
13/9	90-060 United Nations Food and Agriculture Organization	1979
14/1	90-060 U.S. Environmental Protection Agency, Mercury Round-Robin	1972-1973
14/2	90-060 U.S. National Bureau of Standards - Standard Reference Materials	1973-1975
14/3	90-060 University of Washington, College of Fisheries - Course Work	1974
14/4	90-060 University of Washington, College of Fisheries - Manuscripting and Publications Capabilities	1972

Container(s)	Description	Dates
14/5	90-060 University of Washington, College of Fisheries - Open House	1980
14/6	90-060 University of Washington, Committee to Review Undergraduate Course in Water Pollution	1976-1977
14/7	90-060 University of Arkansas, Chemistry Department Seminar	1977
University of Washington Committees		1968-1981
University of Washington, Acid Rain Committee		
Box/ Folder	Accession	
14/9	90-060 General Correspondence	1972-1974
	Writings	
Box/ Folder	Accession	
14/10	90-060 Sweden's Case Study Contribution to the United Nations Conference on the Human Environment	1971
14/11	90-060 Miscellaneous	1972-1974
Box/ Folder	Accession	
14/12	90-060 Conferences and Conventions	1972
14/13	90-060 Financial Records	1973
14/14-16	90-060 Proposal	1973-1975
14/17	90-060 Subject File - Hydrosphere Task Group	1973-1975
Box/ Folder	Accession	
14/18	90-060 University of Washington, College of Fisheries, Boat Committee	1972-1973, 1977

Container(s)		Description	Dates
14/19	90-060	University of Washington, College of Fisheries, Committee To Review Graduate Courses in Water Pollution	1972-1973
14/20	90-060	University of Washington, College of Fisheries, Curriculum Committee	1978-1979
University of Washington, College of Fisheries, Planning Committee			
Box/ Folder	Accession		
14/21	90-060	Intradepartmental Correspondence	1973-1974
14/22	90-060	Minutes	1973-1974
14/23	90-060	Reports	1974
14/24	90-060	Notes	1973-1974
Subject Files			
Box/ Folder	Accession		
14/25	90-060	Environmental Studies Academic and Research Information	1974
14/26	90-060	Letters for Outside Contributions of Information <u>Scope and Content:</u> Questionnaire enclosed.	1974
14/27	90-060	Outside Input to Planning Process	1973-1974
14/28	90-060	Planning Questionnaire	1973
14/29-30	90-060	Results of Planning Questionnaire	1973-1974
Box/ Folder	Accession		
14/31	90-060	University of Washington, College of Fisheries, Pollution Committee (Ad Hoc)	1968-1972

Container(s)	Description	Dates
14/32	90-060 University of Washington, College of Fisheries, Water Pollution Training Grant Committee	1972
14/33	90-060 University of Washington, Radiological Sciences Group	1980-1981
Box	Accession	
15	90-060 Photographs and Slides of Scientific Specimens and Research Sites <u>Processing Info:</u> Unprocessed.	undated

Accession No. 00-065: University of Washington, Laboratory of Radiation Biology records, 1944-1970

13 cubic feet (13 boxes)

Biographical/Historical Note: Dr. Lauren R. Donaldson was director of the Applied Fisheries Laboratory when it conducted a series of survey expeditions to the atomic bomb test sites of the Marshall Islands.

Arrangement: Arranged by type of document.

Scope and Content: Much of this material concerns the radiobiological surveys conducted in the Marshall Islands by the laboratory after the atomic bomb tests of 1946 and 1948. The records include correspondence, reports, speeches and writings, logs, trip files, clippings, and ephemera. Major correspondents include Lauren R. Donaldson, Neal O. Hines, Allyn H. Seymour, and the U.S. Atomic Energy Commission.

Restrictions on Access: Access to personnel and medical files in Vertical File 2653 is restricted.

Acquisition Info: This accession is a merger of two installments (72-008 and 85-005) received from the Laboratory of Radiation Ecology via the University Records Center in 1972.

Processing Info: Processed in 2000 by Jamie Wamsley.

Container(s)	Description	Dates
Organization		
Box/ Folder	Accession	
1/1	00-065 Historical Information	1959
1/2-3	00-065 Program Summary	1962-1963
1/4	00-065 Program Review	1964

Container(s)		Description	Dates
General Correspondence			
Box/ Folder	Accession		
1/5	00-065	Alaska Department of Fish and Game	1960-1962
1/6	00-065	Battelle Memorial Institute	1964-1966
1/7	00-065	Biddulph, Orlin	1950-1954
1/8	00-065	Bishop, Francis W.	1943-1945
1/9	00-065	Boss, W. Robert	1956-1963
1/10	00-065	Cantril, Simeon T.	1957-1958
1/11	00-065	Clapp Laboratories	1962-1965
1/12	00-065	General Electric Company, Nucleonics Division (Hanford, Washington)	1945-1956
1/13	00-065	Holmes and Narver	1956-1966
1/14	00-065	International Atomic Energy Agency	1964-1965
1/15	00-065	Magnuson, Warren G.	1960-1962
1/16	00-065	Menzies, Robert J.	1958-1959
1/17	00-065	National Academy of Sciences (U.S.)	1956-1965
1/18	00-065	National Association of College and University Business Officers	1963-1966
1/19	00-065	Radiation Research Society	1952-1968
1/20	00-065	Russell, R. Scott (Radioactivity and Human Diet)	1959-1963
1/21	00-065	Schultz, Leonard P. (Smithsonian Institute)	1946-1951
1/22	00-065	Scripps Institute of Oceanography	1954-1964

Container(s)		Description	Dates
1/23	00-065	Smithsonian Institution	1955-1965
1/24	00-065	St. John, Harold	1949-1954
1/25	00-065	United Nations, Food and Agriculture Organization	1961-1963
1/26	00-065	University of California	1950-1966
1/27	00-065	University of California, Los Angeles - Atomic Energy Project	1950-1956
1/28	00-065	University of Hawaii	1955-1966
1/29	00-065	University of Minnesota	1965
U.S. Atomic Energy Commission			
Box/ Folder	Accession		
1/30-34	00-065	General Correspondence	1947-1950
1/35	00-065	Albuquerque Operations Office	1954-1960
1/36	00-065	Argonne National Laboratory	1954-1965
1/37	00-065	Battelle - Northwest, Richland	1965-1966
1/38 - 2/18	00-065	Biology and Medicine, Division of	1951-1967
2/19	00-065	Brookhaven National Laboratory	1957-1964
2/20-22	00-065	Hanford Operations Office	1946-1958
2/23-26	00-065	Hanford Atomic Products Operation and General Electric	1959-1963
2/27-28	00-065	Hanford Security Division	1952-1963
2/29	00-065	Health and Safety Laboratory	1965-1966
2/30	00-065	Lawrence Radiation Laboratory	1964-1966

Container(s)	Description	Dates
2/31-32	00-065 Los Alamos Scientific Lab and Task Group 7.1 of Joint Task Force Seven	1952-1962
2/33	00-065 Nevada Operations Office	1962-1966
3/1	00-065 New York Operations Office	1954-1963
3/2	00-065 Oak Ridge Institute of Nuclear Studies	1957-1965
3/3	00-065 Operational Safety Division	1962-1966
3/4	00-065 Pacific Operations Office, Citizens Radio License	1963
3/5	00-065 Pacific Proving Ground	1954-1959
3/6	00-065 Puerto Rico Nuclear Center	1961-1966
3/7	00-065 Reactor Development, Division of	1959-1963
3/8	00-065 Richland Operations Office	1963-1967
3/9	00-065 San Francisco Operations Office	1959-1966
3/10-13	00-065 Seymour, Allyn	1958-1963
Box/ Folder	Accession	
3/14	00-065 U.S. Defense Secretary	1962-1963
3/15	00-065 U.S. Fish and Wildlife Service	1958-1965
3/16	00-065 U.S. Department of Health, Education and Welfare	1958-1965
3/17	00-065 U.S. Agency for International Development	1961-1963
3/18	00-065 U.S. Naval Radiological Defense Lab and Department of the Navy	1954-1965
3/19	00-065 U.S. Trust Territory of the Pacific Islands	1958-1965
3/20	00-065 U.S. War Department	1945

Container(s)		Description	Dates
3/21	00-065	George Vanderbilt Foundation	1956-1962
3/22	00-065	Warren, Shields	1949-1951
3/23	00-065	Warren, Stafford L. (University of California, Atomic Energy Project)	1944-1951
3/24	00-065	Washington Health Department, Advisory Committee on Radiation	1956
3/25	00-065	Woods Hole Oceanographic Institution	1959-1962
3/26	00-065	Miscellaneous Letters	1963
General Correspondence Regarding:			
Laboratory			
Box/ Folder	Accession		
3/27	00-065	General	1957-1962
3/28	00-065	Analytical Radiochemistry Lab	1962-1964
3/29	00-065	Budget	1961-1966
3/30-34	00-065	Building Space	1960-1966
3/35	00-065	Counting Room	1962-1965
3/36	00-065	Equipment and Facilities	1961-1966
3/37	00-065	Procedures: Analytical Chemistry, Collecting, etc.	1955-1958
3/38-39	00-065	Reports from the Fisheries Laboratory	1946-1965
3/40	00-065	Reports not from the Fisheries Laboratory	1953-1967
4/1-2	00-065	TWX's, Telegrams, and Telephone Messages	1954-1962

Container(s)		Description	Dates
Box/ Folder	Accession		
4/3	00-065	Professional Leave Application Letter and Publications of Lauren R. Donaldson	1959-1960
4/4-26	00-065	Radiation	1944-1967
4/27-33	00-065	Radiation Biology Summer Institute	1960-1962, 1967
4/34	00-065	Radiation Biology Summer Institute, Associate Director	1967-1968
Staff			
Box/ Folder	Accession		
4/35	00-065	Chakravarti, Diptiman	1958-1966
VF 2653	00-065	Geldiay, Remzi <u>Restrictions on Access:</u> <i>Restricted.</i>	1957-1959
5/1	00-065	Kawabata, Toshiharu	1956-1965
5/2	00-065	Kayanagi, Taku	1961-1966
5/3	00-065	Naidu, Janakiram R.	1961-1964
5/4	00-065	Olsen, Sigurd	1963-1966
General Correspondence of Staff			
Box/ Folder	Accession		
5/5	00-065	Held, Edward E.	1952-1965
5/6	00-065	Hines, Neal O.	1951-1963
5/7-8	00-065	Lowman, Frank G.	1954-1961
5/9	00-065	Palumbo, Ralph F.	1953-1965

Container(s)	Description	Dates
5/10-18 00-065	Seymour, Allyn H.	1950-1967
5/19 00-065	Short, Zella	1964-1966
5/20 00-065	South, Dorothy	1953-1957
5/21 00-065	Welander, Arthur D.	1954-1963
VF	Accession	
2653 00-065	General Correspondence regarding Promotions and Recommendations <u>Restrictions on Access:</u> Restricted.	1959-1964
Folder		
5/22 00-065	Intradepartmental Correspondence	1947-1952
Interdepartmental Correspondence		
Box/ Folder	Accession	
5/23-29 00-065	University of Washington, Graduate School	1952-1966
5/30 00-065	University of Washington, President's Office	1946-1966
5/31 00-065	University of Washington, Radiological Safety Division	1955-1966
6/1 00-065	University of Washington, Radiological Sciences	1958-1963
Project Files		
Box/ Folder	Accession	
6/2 00-065	Atomic Energy Workshop	1952-1953
Bikini		
Box/ Folder	Accession	

Container(s)		Description	Dates
6/3-11	00-065	General	1946-1959
6/12	00-065	<i>Bikini Backtalk</i>	1947
6/13-14	00-065	Bikini and Eniwetok	1963-1967
6/15	00-065	Identification of Fish Collections	1946-1949
6/16	00-065	<i>Mondo Cane</i> <u>General Notes:</u> Film.	1962-1965
6/17-19	00-065	Personnel	1948-1950
6/20	00-065	Radiobiological Laboratory	1950
Box/ Folder	Accession		
6/21-24	00-065	Chariot	1959-1963
6/25	00-065	Columbia River Program	1950-1966
6/26	00-065	Community Forum Program	1949-1956
Dominic			
Box/ Folder	Accession		
6/27	00-065	General Correspondence	1962-1963
6/28 - 7/1	00-065	Christmas Island	1962
7/2	00-065	Gilbert Cruise	1962-1963
7/3	00-065	Johnston Atoll Bioenvironmental Program	1966-1968
7/4	00-065	Johnston Island	1962-1965
7/5	00-065	Second Meeting of the Japan - U.S. Scientists on Environmental Monitoring of the 1962 Nuclear Weapons Tests	1963

Container(s)	Description	Dates
Longshot		
Box/ Folder	Accession	
7/6	00-065 Longshot	1965
Bioenvironmental Safety Program		
Box/ Folder	Accession	
7/7	00-065 Chapter III	1966
7/8	00-065 Final Report	1967
Box/ Folder	Accession	
7/9	00-065 Comments Explaining the Budget Estimate and Requirements for the Biological Survey	1964
7/10	00-065 Initial Feasibility Study	1964
7/11	00-065 Meeting Notes	1965
Eniwetok		
Box/ Folder	Accession	
7/12	00-065 Eniwetok	1948
7/13	00-065 Proposed Survey	1960
7/14	00-065 Marine Biological Laboratory	1953-1962
Box/ Folder	Accession	
7/15-16	00-065 Fern Lake	1957-1966
7/17	00-065 Low-Level Radiation of Whole Organisms	1960

Container(s)	Description	Dates
7/18	00-065 Monitoring Program, Civil Defense	1950-1954
7/19	00-065 Nuclear Energy for the Propulsion of Aircraft (NEPA) Project	1948-1949
7/20	00-065 Nevada Tests	1951-1953
7/21	00-065 Plowshare	1958-1964
7/22-23	00-065 Rongelap	1957-1965
Speeches and Writings		
Box/ Folder	Accession	
7/24	00-065 Abstracts of Papers Presented by Laboratory of Radiation Biology and Laboratory of Radiation Ecology Staff	1967
7/25	00-065 The Accumulation and Distribution of Fallout Radionuclides by Marine Organisms	1962
7/26	00-065 Accumulation and Loss of Zinc ⁶⁵ by Oysters in a Natural Environment	1966
7/27	00-065 Application of Tri-iso-octylthiophosphate to the Extractions of Ag ^{110m} from Biological Samples	1965
7/28	00-065 Aquatic Measurements for Use in the Prediction of Hazards from Radionuclide Contamination	undated
7/29	00-065 Atomic Bomb Handbook	1946-1952
7/30	00-065 Autoradiography of Sectioned Soil Cores	1965
7/31	00-065 Biological Cycles of Fission Products in Aquatic Systems as Studied at the Pacific Atolls of Bikini and Eniwetok	1955
7/32	00-065 Contributions of Radionuclides to Our Understanding of Aquatic Ecosystems	1962

Container(s)	Description	Dates
7/33	00-065 Differences in Uptake of Radioisotopes by Marine and Terrestrial Organisms	1959
7/34	00-065 Effects of Radiation on Aquatic Organisms	1956
7/35	00-065 Effects of Temperature Upon the Formation of Vertebrae and Fin Rays in Young Chinook Salmon	1958
7/36	00-065 Evaluation of Radioactivity in the Marine Environment of the Pacific Proving Ground	1963
7/37	00-065 Factors Controlling the Distribution of Rare Earths in the Environment and in Living Organisms	1961
7/38-39	00-065 Fallout in the Oceans	1959
7/40	00-065 Fern Lake Trace Mineral Metabolism Program	1958
7/41	00-065 Fish and Radioactivity	1960
7/42	00-065 Great Glass Ball Expedition of 1964	1964
7/43	00-065 Health Instrumentation. Lecture Series	1949
8/1-2	00-065 Laboratory of Radiation Biology Brochure	undated
8/3	00-065 Low Level Chronic Irradiation of Salmon Eggs and Alevins	undated
8/4	00-065 Method for the Separation of Radioactive Cerium, Cobalt, and Europium from High-Calcium Soil Samples	1962
8/5	00-065 Molting Behavior of Birgus Latro	1963
8/6	00-065 Preliminary Outline for Second Resurvey of Bikini Atoll	1948
8/7	00-065 Program for Education and Research Needed in Radiation Biology in the Expanded Federal Effort	1961
8/8	00-065 Radiation Physics	1961
8/9	00-065 Radiobiological Studies at the Eniwetok Test Site and Adjacent Areas of the Western Pacific	1959

Container(s)	Description	Dates
8/10	00-065 Radiological and Biological Survey of Areas in New Mexico Affected by the First Atomic Bomb Detonation (1948)	1949
8/11	00-065 Rate of Growth of the Giant Clam <i>Tridacna gigas</i> at Bikini Atoll as Revealed by Radioautography	undated
8/12	00-065 Rongelap Radiation Ecology Study	1964
8/13	00-065 Some Aspects of the Biology of Zirconium	1961
8/14	00-065 Suggested Procedures for the Determination of Orthophosphate	undated
8/15	00-065 "The Survey of Radioactivity in the Sea"	1958

Reports

Box/ Folder	Accession		
8/16-25	00-065	Annual Reports -- Laboratory of Radiation Biology	1950-1966
8/26	00-065	Annual Research Report	1961
8/27	00-065	Bioenvironmental Features of the Ogotonik Creek Area	1962
8/28	00-065	Considerations Pertaining to the Acquisition of Co ⁶⁰ Irradiation Unit	undated
8/29	00-065	Distribution of Radioisotopes in Marine Organisms, Bottom Materials and Water Near the Mouth of the Columbia River	1961
8/30	00-065	Effects of Nuclear Explosion on Marine Biology	1955

Eniwetok

Box/ Folder	Accession		
8/31	00-065	Radiobiological Studies at Eniwetok before and after Mike Shot	1952

Container(s)	Description	Dates
8/32	00-065 Scientific Director's Report of Atomic Weapon Tests at Eniwetok	1951
Box/ Folder	Accession	
8/33	00-065 Fiscal Year 1967 Program Assumptions with Projections for Fiscal Years 1966 through 1970	1964
8/34	00-065 Fisheries and Wildlife Resources of the Aleutian Island Sites and Chirikof Island	1963
Foreign Travel Reports		
Box/ Folder	Accession	
8/35	00-065 Conference on Nuclear Detonations and Marine Radioactivity	1963
8/36	00-065 IAEA Symposium: "Disposal of Radioactive Wastes into the Seas, Oceans and Surface Waters"	1966
8/37	00-065 Second Meeting of Japan - U.S. Scientists on Environmental Monitoring of 1962 Nuclear Weapons Tests	1963
8/38	00-065 Sixth Japan Conference on Radioisotopes	1964
8/39	00-065 XVI International Congress of Limnology (Krakow, Poland)	1965
Box/ Folder	Accession	
8/40	00-065 Gamma Spectra Analysis	undated
8/41	00-065 Inventory of Secret Research and Development Reports	1960
8/42	00-065 Lutetium ¹⁷⁷ in Environment and Biological Samples	1961
8/43	00-065 Meeting with the Japanese Scientists of the Sho-Yo-Maru Survey	1962
8/44	00-065 Miscellaneous Program Studies	1951-1953

Container(s)	Description	Dates
8/45	00-065 Operation Dominic: Final Report	undated
Project Chariot		
Box/ Folder	Accession	
8/46	00-065 Environmental Program Research Proposal	1961
8/47	00-065 Estimate of the Effects of the Proposed Chariot Detonation Upon the Environs	1962
8/48	00-065 List of Fishes from the Vicinity of Project Chariot	undated
8/49	00-065 Relations of Chariot Bioenvironment to Operation – Second Summary by Chariot Committee, “Biological Cost” Section	undated
Box/ Folder	Accession	
8/50	00-065 Radionuclides in Foods from the Central Pacific	1962
Rongelap		
Box/ Folder	Accession	
8/51	00-065 Key to the Land Plants of Rongelap Atoll	1959
8/52	00-065 Nitrogen Studies of Rongelap Atoll Soils (Abstract)	undated
8/53	00-065 Qualitative Distribution of Radionuclides at Rongelap Atoll	1961
8/54	00-065 Radiocesium in Plants Grown on Rongelap Atoll Soils	undated
8/55	00-065 Suggested Study Areas for Rongelap Atoll for Discussion with Dr. John Wolfe	1957
8/56	00-065 Survey Meter Readings at Rongelap Atoll	1958
Box/ Folder	Accession	

Container(s)	Description	Dates
8/57	00-065 Salmon Resource (Original Figures)	undated
8/58	00-065 Study of Response of Human Beings Accidentally Exposed to Significant Fallout Radiation	1954
8/59	00-065 Suggestions for Standardizing Procedures for Handling Radiological Data	1961
8/60	00-065 Summary of Operational Phases for Project 40 of Operation Hardtack	1958
8/61	00-065 Summary of Panel Discussions on the Effects of the Discharge of Radioactive Materials	undated
8/62	00-065 Summary of Reports on Fallout Nuclides in the Marine Environment Presented at the 1961 Radioecology Symposium	1961
Fisheries Laboratory Unbound Reports		
Box/ Folder	Accession	
8/63	00-065 5 – Lethal Effects of X-Rays on Marine Microplankton Organisms	undated
8/64-65	00-065 33 – Radiobiological Studies at Eniwetok Atoll before and following the Mike Shot of the November 1952 Testing Program	1953
8/66	00-065 34 – Work in Progress and Planned for the Fiscal Year 1954 at the Applied Fisheries Lab	1954
8/67	00-065 57 – The Biological and Geographical Distribution of W ¹⁸⁵ in the Vicinity of the Eniwetok Test Site	1959
8/68	00-065 58 – Distribution of Radioactivity in Sea Water and Marine Organisms following an Underwater Nuclear Detonation at the Eniwetok Test Site in 1958	1959
8/69	00-065 66 – Radioactivity and Recovery of the Land Plants at Eniwetok Atoll, 1954-1957	1960

Container(s)	Description	Dates
8/70	00-065 90 – Gamma-Emitting Radionuclides in Tuna Samples from the Tokyo Central Fish Market, 1962	1963
Fisheries Laboratory Bound Reports		
Box	Accession	
9	00-065 1 – Equipment and Procedures Used in the Study of the Effects of Irradiation of Fish with X-Rays	1945
9	00-065 2 – Studies of the Effects of Roentgen Rays on the Growth and Development of the Embryos and Larvae of the Chinook Salmon (<i>Oncorhynchus Tschawytscha</i>)	1945
9	00-065 3 – Section 10 of Series of Experiments Involving the Effect of X-Ray on Fishes: Fingerling Chinook Salmon	1946
9	00-065 3a – The Effect of X-Ray on Mortality, Weight, Length, and Counts of Erythrocytes and Hematopoietic Cells in Fingerling Chinook Salmon	1946
9	00-065 4 – Histological Effect of X-Ray on Adult Male Silver Salmon	1946
9	00-065 5a – Lethal Effect of X-Rays on Four Marine Micro-Plankton Organisms	1946
9	00-065 6 – Preliminary Report concerning X-Ray Effects upon Chinook Salmon Observed through More Than One Generation	1947
9	00-065 7 – Radiobiological Resurvey of Bikini Atoll During the Summer of 1947	1947
9	00-065 8 – The Effects of Roentgen Rays on the Embryos and Larvae of the Chinook Salmon	1948
9	00-065 9 – Project Chronology Chart and Summary of the Applied Fisheries Laboratory	1948
9	00-065 10 – Preliminary Outline of a Program for the Second Radiobiological Resurvey of Bikini Atoll during the Summer of 1948, to be Sponsored by the Atomic Energy Commission and the U.S. Navy	1948

Container(s)	Description	Dates
9	00-065 11 – Concentration of Active Materials by Hydroids in the Bikini Lagoon During the Summer of 1947	1948
9	00-065 12 – The Effect of Embryos and Young of Rainbow Trout from Exposing the Parent Fish to X-Rays	1949
9	00-065 13 – Progress Report of the Samish Chinook Salmon Project (Sections I and II) Through the Summer of 1948	1948
9	00-065 14 – Lethal Effects of X-Rays on Marine Amphipods	1948
9	00-065 15 – Problems of Liquid Waste Disposal	1948
9	00-065 16 – Bikini Radiobiological Resurvey of 1948	1949
9	00-065 17 – The Effects of Roentgen Rays on Adult Rainbow Trout	1949
9	00-065 18 – Radiological Analysis of Biological Samples Collected at Eniwetok, May 16, 1948	1949
9	00-065 19 – Eniwetok Radiological Resurvey July 1948	1949
9	00-065 20 – Proposed Program of Study of Radiation Biology at Bikini and Eniwetok During the Summer of 1949	1949
9	00-065 21 – Effects of X-Rays upon the Fresh-Water Snail	1949
9	00-065 22 – Suggestion for Program of Radiological Resurvey of the Bikini-Eniwetok Area During July and August of 1950	1950
9	00-065 23 – Radiobiological Survey of Bikini, Eniwetok and Likiep Atolls, July-August 1949	1950
9	00-065 23 Appendix – A Description of Tumors on <i>Ipomowa tuba</i> from the A-Bomb Test Sites on Eniwetok Atoll	1953
9	00-065 24 – Report on Botanical Studies on Eniwetok Atoll, Atomic Energy Commission Donaldson Expedition 1949	1949
9	00-065 25 - Report of the Activities of the Applied Fisheries Laboratory for the Year 1950-51	1951

Container(s)	Description	Dates
9	00-065 26 – Effects of X-Rays on Snails, Crustacea, and Algae	1951
9	00-065 27 – Notes for Conference with Dr. Paul Pearson	1951
9	00-065 28 – The Need for Continuation of Studies of Radiation Contamination of Biotic Forms at the Bikini and Eniwetok Testing Grounds	1952
9	00-065 29 – Work in Progress at the Applied Fisheries Laboratory	1952
9	00-065 30 – Biological Monitoring Program for Eniwetok Prepared for the Biomedical Test Planning and Screening Committee	1952
9	00-065 31 – The Relationship between Ca ⁴⁵ , Total Calcium and Fission Product Radioactivity in Plants of Portulaca Oleracea Growing in the Vicinity of the Atom Bomb Test Sites on Eniwetok Atoll	1952
9	00-065 32 – Suggested Programs for the Biological Monitoring of Eniwetok Atoll before and after the Testing Program with a Resurvey of Bikini Atoll	1952
9	00-065 34 – Work in Progress and Planned for the Fiscal Year 1954 at the Applied Fisheries Laboratory	1953
9	00-065 35 – Preliminary Statement of the Proposed Program for Marine Survey Unit, Section 19	1953
9	00-065 36 – Operations Outline for Program 19, Marine Survey Unit, of Operation Castle	1954
9	00-065 37 – Activities of the Applied Fisheries Laboratory	1954
9	00-065 38 – Some Effects of X-Irradiation of Different Embryonic Stages of the Trout	1954
9	00-065 40 – Radiation Levels in Biological Samples Collected at Pomade, Caroline Islands, December 16-17, 1954	1955
9	00-065 41 – Annual Report of the Applied Fisheries Laboratory, University of Washington, for the Fiscal Year 1954-55, with Suggested Program for the Next Fiscal Year	1955

Container(s)	Description	Dates
9	00-065 42 – A Radiological Study of Rongelap Atoll, Marshall Islands, during 1954-1955	1955
9	00-065 43 – Radiobiological Resurvey of Rongelap and Ailinginae Atolls, Marshall Islands, October-November, 1955	1955
9	00-065 44 – Uptake of Iodine ¹³¹ by the Red Alga <i>Asparagopsis taxiformis</i>	1955
9	00-065 45 – Program of the Applied Fisheries Laboratory for the 1956 Test Series at Bikini and Eniwetok Atolls, Marshall Islands	1956
9	00-065 46 – Survey of Radioactivity in the Sea Near Bikini and Eniwetok Atolls, June 11-21, 1956	1956
9	00-065 47 – Survey of Radioactivity in the Sea and in Pelagic Marine Life West of the Marshall Islands, September 1-20, 1956	1957
9	00-065 49 – Radioactivity in the Reef Fishes of Belle Island, Eniwetok Atoll, April 1954 to November 1955	1957
9	00-065 50 – Land Crabs and Radioactive Fallout at Eniwetok Atoll	1960
9	00-065 51 – The Occurrence and Distribution of Radioactive Non-Fission Products in Plants and Animals of the Pacific Proving Ground	1957
9	00-065 52 – A Method for the Determination of Strontium ⁹⁰ in Biological Materials	1958
9	00-065 53 – Radioactivity of Invertebrates and Other Organisms at Eniwetok Atoll During 1954-1955	1958
9	00-065 54 – Radionuclides in Plankton near the Marshall Islands, 1956	1958
9	00-065 55 – Radiobiological Studies of the Fish Collected at Rongelap and Ailinginae Atolls, July 1957	1958

Container(s)	Description	Dates
9	00-065 56 – The Occurrence of Antimony ¹²⁵ , Europium ¹⁵⁵ , Iron ⁵⁵ , and Other Radionuclides in Rongelap Atoll Soil	1958
9	00-065 59 – Strontium ⁹⁰ and Gross Beta Activity in the Fat and Non-Fat Fractions of Coconut Crab (<i>Birgus latro</i>) Liver Collected at Rongelap Atoll during March 1958	1961
9	00-065 Fallout in the Ocean	1959
9	00-065 60 – Potassium as an Index of Naturally Occurring Radioactivity in Tuna Muscle	1960
9	00-065 61 – Gross Beta Radioactivity of the Algae at Eniwetok Atoll, 1954-56	1959
9	00-065 62 – Limnological Studies of Fern Lake (State of Washington)	1959
9	00-065 63 – Further Contributions on Gross Beta Radioactivity of Biological and Related Samples at the Eniwetok Proving Ground, 1952-1958	1959
9	00-065 64 – Potassium and Cesium ¹³⁷ in <i>Birgus latro</i> (Coconut Crab) Muscle Collected at Rongelap Atoll	1961
9	00-065 65 – Marine Biological Investigations at the Eniwetok Test Site	1960
10	00-065 66 – Radioactivity and Recovery of Land Plants at Eniwetok Atoll, 1954-57	1962
10	00-065 68 – Analysis of Some Trace Elements in Fish Tissues	1960
10	00-065 73 – Tension Lysimeter in Glacial Till and Coral Atoll Soils	1960
10	00-065 74 – Radioactivity of Marine Organisms from Guam, Palau, and the Gulf of Siam	1963
10	00-065 77 – Chemical and Radiochemical Composition of the Rongelapese Diet	1963

Container(s)	Description	Dates
10	00-065 78 – Ecological Observations of Sea Cucumbers <i>Holothuria atra</i> and <i>H. leucospilota</i> at Rongelap Atoll, Marshall Islands	1963
10	00-065 79 – Radioactivity in the Biota at Islands of the Central Pacific, 1954-58	1962
10	00-065 80 – Analysis of Water, Bottom Deposits, and Zooplankton of Fern Lake, Washington	1965
10	00-065 81 – Determination of Plankton Biomass in Rongelap Atoll, Marshall Islands, by Use of a Multi-net Plankton Pump	1964
10	00-065 82 – Phosphate Studies – I. Interference with Determination of Inorganic Phosphate in Fern Lake Water; II. Review of Pertinent Literature	1965
10	00-065 83 – Effects of Low-Level Chronic Irradiation of Chinook and Coho Salmon Eggs and Alevins	1964
10	00-065 84 – Determination of Phosphate 32 in Sea Water	1964
10	00-065 85 – Analysis of Radionuclides of Biological Interest in Pacific Waters	1964
10	00-065 86 – Radionuclides of Columbia River Origin in Marine Organisms, Sediments, and Water Collected from the Coastal and Offshore Waters of Washington and Oregon, 1961-1963	1965
10	00-065 87 – Radionuclide Content of Foodstuffs Collected at Christmas Island and Other Islands of the Central Pacific During Operation Dominic, 1962	1963
10	00-065 88 – Radionuclide Content of Oceanic Fish, Plankton and Water in the Vicinity of Christmas Island, March through August, 1962	1963
10	00-065 90 – Gamma-Emitting Radionuclides in Tuna Samples from the Tokyo Central Fish Market, 1962	1963
10	00-065 91 – Gamma Dose Rates at Rongelap Atoll, 1954-1963	1965

Container(s)	Description	Dates
10	00-065 92 – Atoll Soil Types in Relation to the Distribution of Fallout Radionuclides	1965
10	00-065 93 – Bikini-Eniwetok Studies, 1964 – Ecological Observations	1966

Daily Logs

Box/ Folder	Accession		
11/1-2	00-065	Chariot Log (Bound and Unbound)	1959-1960
11/3-12	00-065	Eniwetok Atoll	1954-1955
11/13-15	00-065	Eniwetok Lab	1956
11/16	00-065	Charles H. Gilbert Cruise 57	1962
11/17	00-065	Marsh	1956
11/18	00-065	Palumbo, R.	1962
11/19	00-065	Rio Grande	1955
11/20	00-065	Rongelap et al.	1955
11/21	00-065	Rongelap Survey	1963
11/22	00-065	Taney	1955
11/23	00-065	Walton	1956
11/24 to 12/2	00-065	Miscellaneous Logs	1956-1962

Trip Reports

Box/ Folder	Accession		
12/3-4	00-065	Miscellaneous	1962-1966

Container(s)		Description	Dates
12/5	00-065	Staff	1960-1961
Trip Files			
Box/ Folder	Accession		
12/6	00-065	Japan	1965-1966
12/7	00-065	Sixth Conference on Radioisotopes	1964
12/8	00-065	Eleventh Pacific Science Congress	1966
12/9-10	00-065	Scientific Meetings (Shoyo Maru)	1962-1963
12/11	00-065	Tuna Sampling (T. Kawabata)	1958-1963
12/12	00-065	US – Japan Cooperative Scientific Program	1962
12/13	00-065	Yoshio Hiyama Radioactivity Project	1954-1963
12/14-15	00-065	Norwegian Defense Research Establishment Meeting	1963
Financial Records			
Box/ Folder	Accession		
12/16-17	00-065	Request for 171 Funds	1960-1962
12/18	00-065	Salaries and Effort for Programs Supported by Atomic Energy Commission Division of Biology and Medicine during Fiscal Year 1963-1964	1964
12/19-21	00-065	US Atomic Energy Commission Budgets	1965-1968
12/22-24	00-065	Laboratory of Radiation Biology Budgets	1959, 1960, 1962
Box/ Folder	Accession		

Container(s)	Description	Dates
12/25 00-065	Hearings -- U.S. Congress, Subcommittee on Research and Development, Joint Committee on Atomic Energy : The Use of Radioisotopes and Radiation to Study Plant and Animal Life in Fresh and Marine Waters	1961
Tables		
Box/ Folder	Accession	
12/26 00-065	Conversion Tables	undated
12/27 00-065	Table of Gamma Energies	1958
Accession		
12/28-29 00-065	Worksheets	undated
12/30-32 00-065	Lists	undated
Box/ Folder		
12/33-40 00-065	Transparencies	undated
Subject Series		
Box/ Folder	Accession	
12/41 00-065	Courses for Radiological Sciences School in Radiation Biology	1958
12/42 00-065	Decay Schemes of Significant Fission Products	1959
12/43 00-065	Instructions for the Operation of Nuclear Data 512 Channel Analyzer	1962
12/44 00-065	Operational Procedures for Laboratory of Radiation Biology Data Processing	undated

Container(s)	Description	Dates
12/45	00-065 Programme, Conference on Nuclear Detonation and Marine Radioactivity at the Norwegian Defense Research Establishment	1963
<i>Proving Ground, by Neal Hines</i>		
Box/ Folder	Accession	
12/46-49	00-065 General Correspondence	1949-1963
Chapter Notes		
Box/ Folder	Accession	
12/50	00-065 Chapter I. The Laboratory: Prologue	1946-1949
12/51	00-065 Chapter II. The Bikini Scientific Resurvey	1947-1950
12/52 - 13/1	00-065 Chapter IV. Operation Sandstone	1949-1950
13/2	00-065 Chapter V. The Proving Ground	1949-1961
13/3	00-065 Chapter VI. Operation Ivy	1952
13/4	00-065 Chapter VII. Operation Castle	1954
13/5	00-065 Chapter VIII. The Surveys of the Sea	1956
13/6	00-065 Chapter IX. Rongelap	1957-1961
13/7	00-065 Chapter X. Operation Hardtack	1958
13/8	00-065 Chapter XI. Plowshare	1958-1961
Speeches and Writings		
Box/ Folder	Accession	

Container(s)	Description	Dates
13/9	00-065 Background Information on U.S. Nuclear Tests in the Pacific	1958
13/10	00-065 Miscellaneous	1948-1959
Box/ Folder	Accession	
13/11	00-065 Reports	1952
13/12	00-065 Publications	1946, 1962
13/13	00-065 News Releases	1962
13/14	00-065 Daily Logs	undated
13/15-18	00-065 Photographs	undated
13/19	00-065 Maps	undated
13/20	00-065 Exercise Book (English - Marshallese)	undated
13/21	00-065 Notes	undated
13/22	00-065 Clippings	1948-1949, 1957-1958
Box/ Folder	Accession	
13/23	00-065 Quotations	undated
13/24	00-065 Review of Laboratory - Office Space Used by the Laboratory of Radiation Biology	1965
13/25-26	00-065 Symposiums, Conferences, Meetings, etc.	1947-1966
Box/ Folder	Accession	
13/27-44	00-065 Clippings	undated
13/45	00-065 Ephemera	undated

Container(s)	Description	Dates
13/46 00-065	Group Health Cooperative of Puget Sound, Select Committee on Public Relations (Neal Hines)	1962

Names and Subjects

Subject Terms :

Aquatic radioecology
 Aquatic radioecology--Columbia River
 Biological laboratories--Washington (State)--Seattle
 Environmental laboratories--Washington (State)--Seattle
 Environmental monitoring--Marshall Islands
 Fishes--Effect of radioactive pollution on
 Freshwater radioecology
 Heavy metals--Physiological effect
 Marine animals--Effect of radioactive pollution on
 Marine radioecology
 Radioactive pollution of the sea
 Radioactive pollution of water
 Radioactive pollution--Alaska--Amchitka Island
 Radioactive pollution--Alaska--North Slope
 Radioactive pollution--Marshall Islands
 Radioactive substances in rivers, lakes, etc
 Radioactivity--Physiological effect
 Radioactivity--Toxicology
 Radiobiology
 Radioecology
 Radioisotopes--Physiological effect--Pacific Ocean
 Rivers--New York (State)--Environmental conditions
 Scientific surveys--Marshall Islands
 Underground nuclear explosions--Environmental aspects--Alaska--Amchitka Island
 University Archives/Faculty Papers (University of Washington)
 Water--Pollution--Alaska--Prudhoe Bay

Personal Names :

Donaldson, Lauren R
 Hines, Neal O
 Schell, W. R. (William R.), 1932-
 Seymour, Allyn Henry, 1913-

Corporate Names :

Project Chariot
 U.S. Atomic Energy Commission
 University of Washington. Applied Fisheries Laboratory--Archives
 University of Washington. College of Fisheries
 University of Washington. Graduate School
 University of Washington. Laboratory of Radiation Biology--Archives
 University of Washington. Laboratory of Radiation Ecology--Archives

Geographical Names :

Amchitka Island (Alaska)--Environmental conditions

University of Washington, Laboratory of Radiation Ecology records, 1944-1984
<http://archiveswest.orbiscascade.org/ark:/80444/xv21606>

Bikini Atoll (Marshall Islands)--Environmental conditions
Columbia River--Environmental conditions
Enewetak Atoll (Marshall Islands)--Environmental conditions
Koeneman, Lake (Wash.)--Environmental conditions
Marshall Islands--Environmental conditions
Pacific Ocean--Environmental conditions
Prudhoe Bay (Alaska)--Environmental conditions
Puget Sound (Wash.)--Environmental conditions
Rongelap Atoll (Marshall Islands)--Environmental conditions

Form or Genre Terms :

Clippings (Books, newspapers, etc.)
conferences
Contracts
correspondence
ephemera
financial records
logs (records)
minutes
notes
Photographs
proposals
reports
research (document genres)
Slides
writings

Titles within the Collection :

Proving ground

Other Creators :

Corporate Names :

University of Washington. Applied Fisheries Laboratory
(creator)
University of Washington. Laboratory of Radiation Biology
(creator)
University of Washington. University Archives

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