

Accession No. 2001-19

**SCRIPPS INSTITUTION OF OCEANOGRAPHY ARCHIVES  
PROCESSING RECORD**

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Hessler, Robert Raymond, 1932-

Robert Raymond Hessler Papers, 1949-2000

Physical Description: 99 mss, 1 Lmss, 2 sq. boxes, 26 shoe boxes, 2 oversize boxes

Description: The accession consists of the personal papers of deep sea biologist Robert Raymond Hessler, including correspondence, scientific records, manuscripts of scientific papers, photographs, slides, and other material documenting his scientific career. The accession includes substantial materials documenting Hessler's work at the Woods Hole Oceanographic Institution and the Scripps Institution of Oceanography, UCSD. The accession includes material describing the discovery and early investigation of hydrothermal vents.

Biological oceanographer; Deep-sea biology; Hydrothermal vents ; Hydrothermal vent ecology  
SIO MC 63.

**ROBERT RAYMOND HESSLER**

**Papers, 1949-2000**

**Accession Number 2001-19**

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1	Submarine Disposal Program - Knolls Contract, 1983
	Photo Analysis Contract, 1982
	Scandia Contract 16-5278 - Monthly Reports, 1983
	Equipment PO's - 3276, 1983
	Lab - Sandia Correspondence, 1980-1987
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	Information For Talks, n.d.
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	Nares Abyssal Plain Cruise - Winter 85 - Background Info, 1985
	Subsea High Level Nuclear Waste Disposal Workshop, January 1981
	SDP Technical Steering Group Meeting, February 18, 1981
	Sandia Executive Council Meeting Washington DC, June 23, 1980
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5	Instrumentation, Digital Timer, n.d. Free Vehicle Equipment, 1975 Instruction Manual Edgerton Standard Deep Sea Camera, n.d. University of California Institute of Marine Resources: Scripps Institution of Oceanography Marine Technicians Handbook, n.d. The Epaulard, Scripps Final Report, 1983 The Epaulard, Scripps Final Report, 1983 Epibenthic Sled, n.d. Anchor Dredge, n.d. Pinger Manuals, n.d. Pinger Manuals, n.d. Sandia Spade Corer - the Prototype, n.d. Sandia Spade Corer - the Prototype, n.d. Sandia Spade Corer - the Prototype, n.d.
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H223 Amphipod with Microfilm, 1977

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- Modules SEM, n.d.
- 10 Photographs, Polaroid Negatives of Microbiota, H271-H288, n.d.
- 11 Photographs, Negatives, Nodules, Isopods, Fungi, n.d.
- 12 Photographs, Negatives, Nodules, Isopods, Fungi, n.d.
- 9 Contract Proposal, 1969
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- 9 SOTW (temp), 1972
- South Tow, 1972
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- Climax II, Selected Photos, 1969
- Master Camera Photos, 1972
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- 23 Sandia Budget & Proposal, FY81, 1981
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Nodule Microstructure Runs 1-10, LM & SEM, 1978

Nodule Microstructure Runs 1-10, LM & SEM, 1978

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- 114 Films: Alvin Dives 1513, 1514, 1515, 1516, 1517, 1518, 1520, 1522, n.d.
- 115 Films: Alvin Dives 1522, 1525, 1527, Echo 1, H105, H91, 139, H73, Galapagos 85(2), ARM stereo, n.d.
- 116 Graphs: H275, H293, H296, H299, H300, H303, H304, H307, H317 H393, H397, n.d.
- 117 Films: Alvin Dive 1844-45 Cam #1, n.d.  
Alvin Dive 1844-45 Cam #2, n.d.  
Alvin Dive 1525, 28, 30, Camera 2, n.d.
- 117 Films: [Alvin Dive] 2223-2224, n.d.  
[Alvin Dive] 2223-2224, n.d.  
Alvin Dive 2009-2010, Camera I, n.d.  
Alvin Dive 2006, 2007, 2008, Camera I, n.d.  
Alvin Dive 1216-1217, Camera 2, n.d.  
Alvin Dive 1218-1220, Camera 2, n.d.  
Alvin Dive 1218-1220, Camera 2, n.d.  
Alvin Dive 2012-2013, Camera 2, n.d.  
Alvin Dive 2011, Camera 1, n.d.  
Alvin Dive 2009, Camera 2, n.d.

- Alvin Dive 2008, Camera 2, n.d.
- Alvin Dive 2006, Camera 2, n.d.
- Alvin Dive 2005, Camera 2, n.d.
- 118 Alvin Dives 1218, 19, 20, Camera 1, n.d.
- Alvin Duplicate Camera 1, n.d.
- Alvin Duplicate Camera 1, n.d.
- Alvin Duplicate Camera 1, n.d.
- Alvin Dive 983, Duplicate, n.d.
- Alvin Dive 984, Duplicate, n.d.
- Alvin Duplicate Camera 1, n.d.
- Alvin Dive 1221, 22, 23, Camera 1, n.d.
- Alvin Dive 1221-1223, Camera 2, n.d.
- Alvin Dive 1225, 26, 27, 28, 1229, Camera I, n.d.
- 118 Films: Alvin Duplicate Camera 1, n.d.
- 119 Alvin Duplicate Camera 1, n.d.
- Alvin Dive 1211-1217, Camera 1, n.d.
- Alvin Dive 1211-1212, Camera 2, n.d.
- Alvin Dive 1213-1216, Camera 2, n.d.
- Alvin Dive 2023, Camera 1, n.d.
- Alvin Dive 2015, 2020, Camera 2, n.d.
- Alvin Dive 2014, Camera 2, n.d.
- Alvin Dive 1835-1836, Camera 1, n.d.
- Alvin Dive 1836-1837, Camera 2, n.d.

- Alvin Dive 1843, Camera 1, n.d.
- Alvin Dive 1225-1229, Camera 2, n.d.
- Alvin Dive 2022, Camera 1, n.d.
- Alvin Dive 2018-2021, n.d.
- Alvin Dive 2016-2017, Camera 1, n.d.
- 120 Alvin Dive 2031-2032, Camera 1, n.d.
- Alvin Dive 2024, Camera 2, n.d.
- Alvin Dive 2022, 2023, Camera 2, n.d.
- Alvin Dive 2025-2026, Camera 2, n.d.
- Alvin Dive 2024-2025, Camera 1, n.d.
- Alvin Dive 2029-2030, Camera 1, n.d.
- Alvin Dive 2028, Camera 1, n.d.
- Alvin Dive 2030-2031, Camera 2, n.d.
- 120 Films: Alvin Dive 2027-2029, Camera 2, n.d.
- Alvin Dive 2026-2027, Camera 1, n.d.
- 121 35mm films: 130, 136, 164, 166, 279, 280, 152, Mission 9, n.d.
- 122 35mm films: 220-225, n.d.
- 123 Audio: 983, 985, 993(2), 1170, 1189, 1213-3, 1218-7, 1222-6, 1477, 1480, 1513, 1515, 1522, 1525, 1529(2), 1531, 1835(2), 1836, 1837(2), n.d.
- 124 Audio: 1843, 1844(2), 2005, 2009, 2011, 2013, 2016, 2021, 2024, 2026, 2028, 2031, 2224, 2230, hot flash, OASIS dive, Galapagos Exp., Cyana, n.d.
- 125 35mm films: Marine Desert I Mission 3, n.d.
- 126 Super 8: 3, 4, 5, 6, 7, 8, 11, 12, 13, 15, 16, 23, 24, n.d.

16mm: Galapagos 85 Alvin, 1985

Current Meter Records: H293, H295, H296, H297, H299, H300, H302, H304, H309, H310, H317, H318, Quagmire, Alcyone IX, n.d.

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Films

Hydrothermal Vent East Pacific Rise 21°N, n.d.

Hydrothermal Vent East Pacific Rise 21°N, n.d.

Hydrothermal Vents, Mariana Back, n.d.

Survey Drop

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Atlas Cruise Let 1, September - October, 1984

Hessler 1300M, 224, n.d

No title, n.d.

No title, n.d.

Expedition Quagmire, n.d.

Expedition Quagmire, October - November, 1973

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Realia - Tea Cup, n.d.

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An Oversize Box