

Accession No.: 81-141

PROCESSING RECORD
SCRIPPS INSTITUTION OF OCEANOGRAPHY ARCHIVES

Scripps Institution of Oceanography. Marine Physical Laboratory

SIO Marine Physical Laboratory Records, 1930-1979

BULK DATES: 1946-1965

PHYSICAL DESCRIPTION: 27 mss, 1/2 Lmss

DESCRIPTION: MPL was established in 1946 as a successor of the University of California Division of War Research (UCDWR). This accession includes some UCDWR records dated 1941-1945, but consists largely of MPL records dated 1946-1965. The files in this accession were maintained as a central MPL file under the direction of Pat Jordan. The files were originally arranged chronologically under file categories including Grants and Contracts, Patents, Projects, and DIMUS (DIGital MULTibeam Steering). Classified records were maintained in a separate series. As records became non-current, a new file category, Historical Projects, was established. Declassified records were moved from the series of classified records to the file series in this accession. Although some folder headings note classifications, all material included in this accession is either unclassified or has been declassified.

Material in this accession includes correspondence, memoranda, proposals, contracts, blueprints, sketches and photographs. The collection consists mainly of grant, contract, and project files. Much of this material documents the work of Victor Anderson, but there is also material documenting the work of Carl Eckart as MPL director. The accession includes a great quantity of material documenting three projects: FLIP, DIMUS, and Deep Tow. The project files describing Deep Tow were collected by Fred Spiess, MPL Director. This accession includes materials describing the history of MPL including a collection of quarterly reports for the Laboratory dated 1946-1955.

The 1945 file classification list can be found in Box 7 [510 Manual of Rules...] documenting UCDWR file arrangement.

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SIO MARINE PHYSICAL LABORATORY

Records, 1930-1977

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Navy, Office of Naval Research 2216 (00) General Provisions of Contract, 1955

Navy, Office of Naval Research 2216 (00) List of Amendments

Navy, Office of Naval Research 2216 (00) Amendments 1-10

Navy, Office of Naval Research 2216 (00) Amendments 11-17

Navy, Office of Naval Research 2216 (00) Amendments 18-22

Navy, Office of Naval Research 2216 (00) Amendments 24, 25, 26

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Navy, Office of Naval Research 2216 (00) Amendments

Navy, Office of Naval Research 2216 (00) Contracts 1966-1969

Navy, Office of Naval Research 2216 (00) Modifications 1 and 2, 1965, 1967

National Science Foundation Funding Limitations, Transfers, All September-December 1968

National Science Foundation Funding: Limitations, Transfers, All January-July, 1969

National Science Foundation Funding: Limitations, Transfers, All August-December 1969

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- National Science Foundation Funding: Limitations, Transfers, All 1970
- National Science Foundation GA 1307 Conductivity, Frederick Fisher, 21442, 1967
- National Science Foundation GA 1307 Conductivity, Fisher, 21442, 1968
- National Science Foundation GA 1307 Conductivity, Fisher, 21442, 1969
- National Science GF 345 Photo/Seismic/Japan, Victor Vacquier/George Shor, 21537, June-July 1969
- National Science GF 345 Photo/Seismic/Japan, Victor Vacquier/George Shor, 21537, November 1969-1977
- Navy, Office of Naval Research 2216 (01) Correspondence 1957-1961
- Navy, Office of Naval Research 2216 (01) Proposal, 1957-58
- Navy, Office of Naval Research 2216 (01) Task and Amendments
- 2
- National Science Foundation GP Construction of Three Component Deep-Ocean Recorders for Measurement of Time Variation of Magnetic Intensity, Victor Vacquier/C.P. Pepper, 1961-1963
- National Science Foundation GP Construction of Three Component Deep-Ocean Recorders for Measurement of Time Variation of Magnetic Intensity, Victor Vacquier/C.P. Pepper, 1964-1974
- National Science Foundation GP 425 Measurement of Geothermal Heat Flow Between San Diego and Rio Grande Valley, Victor Vacquier 21203, 1961-1964
- National Science Foundation GP 425 Measurement of Geothermal Heat Flow Between San Diego and Rio Grande Valley, Victor Vacquier 21203, 1965-1967
- National Science Foundation GP 425 Measurement of Geothermal Heat Flow Between San Diego and Rio Grande Valley, Victor Vacquier 21203, 1968-1969

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National Science Foundation GP 425 Measurement of Geothermal Heat Flow Between San Diego and Rio Grande Valley, Victor Vacquier 21203, 1970

National Science Foundation GP 425 Measurement of Geothermal Heat Flow Between San Diego and Rio Grande Valley, Victor Vacquier 21203, 1971-74

National Science Foundation GA 854 Study of the Heat Budget of the Sea Surface with a Two-Wavelength Radiometer, E.D. McAlister, 21393, 1966-1967

National Science Foundation GF 1041 Detection of Deep Seated Anomalies in Electrical Conductivity under the Gulf of California, V. Vacquier, 1969-1971

National Science Foundation GF 1041 Detection of Deep Seated Anomalies in Electrical Conductivity under the Gulf of California, V. Vacquier, 1967-68

National Science Foundation GA 11350 Heat Flow at Sea (Continuation of NSF GA-984), Victor Vacquier/John G. Sclater, 21528, 1968-1972

Massachusetts Institute of Technology Purchase Order ML30149 [Services in Dredging Deep Ocean Sediment on Cruise of the NOVA] Dr. Christopher Harrison, 1967-68

Proposals Submitted 1957, 1959, 1961

Proposals Submitted 1962-1963

Proposals Submitted, January-June 1964

Proposals Submitted November, 1964-1965

Proposals Submitted, 1966

Proposals Submitted, 1967

Proposals Submitted, April 1968

Proposals Submitted, May 1968

Proposals Submitted, July-September 1968

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2	NObsr-43356 [Acoustic Oceanography] July-October, 1949	
3	NObsr-43356 [Acoustic Oceanography] November-December 1949	
	NObsr-43356 [Acoustic Oceanography] January-June, 1950	
	NObsr-43356 [Acoustic Oceanography] July-December 1950	
	NObsr-43356 [Acoustic Oceanography] 1951-1954	
	NObsr-43356 [Acoustic Oceanography] 1955-1959	
	NObsr-43356 Overtime [Acoustic Oceanography] 1951	
	NObsr-43356 Overtime [Acoustic Oceanography] 1953-1954	
	NObs-2074 Master [Submarine Warfare Research] 1941-1944	
	NObs-2074 Master [Submarine Warfare Research] 1945	
	NObs-2074 Master [Submarine Warfare Research] 1946-1949	
	NObs-2074 [Submarine Warfare] 1945	
	NObs-2074 [Submarine Warfare] January-March, 1946	
	NObs-2074 [Submarine Warfare] April-August, 1946	
	NObs-2074 [Submarine Warfare] Problem 10A, 1948-February 1949	
	NObs-2074 [Submarine Warfare] Problem 10A, March-June, 1949	
	NObs-2074 [Submarine Warfare] Problem 10A, July-December 1949	
	NObsr-43356 [Acoustics Oceanography] 1946-June 1949	
	NObs-2074 [Submarine Warfare] and N6-ori-111 [Behavior of Sound in the Sea], 1945-April 1946	
	NObs-2074 [Submarine Warfare] and N6-ori-111 [Behavior of Sound in the Sea], May-June 1946	
	NObs-2074 [Submarine Warfare] and N6-ori-111 [Behavior of Sound in the Sea], July-September 1946	

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3	NObs-2074 [Submarine Warfare] and N6-ori-111 [Behavior of Sound in the Sea], October-December 1946	
	NObs-2074 [Submarine Warfare] and N6-ori-111 [Behavior of Sound in the Sea], January-June 1947	
4	NObs-2074 [Submarine Warfare] and N6-ori-111 [Behavior of Sound in the Sea], July-December 1947	
	NObs-2074 [Submarine Warfare] and N6-ori-111 [Behavior of Sound in the Sea], 1948	
	Nonr 2216 (07) TASK [Navy Project Artemis], 1958-1960	
	Nonr 2216 (07) TASK [Navy Project Artemis], 1961-1962	
	Nonr 2216 (07) TASK [Navy Project Artemis], 1963-1965	
	Nonr-2216 (05) [Investigation of the Principles Governing the Generation, Propagation and Reception of Energy in the Ocean...] Contract, 1958-1960	
	Nonr-2216 (05) [Investigation of the Principles Governing the Generation, Propagation and Reception of Energy in the Ocean...] Basic Task and Amendments 25813, 1958	
	Nonr-2216 (05) [Investigation of the Principles Governing the Generation, Propagation and Reception of Energy in the Ocean...] Basic Task and Amendments 25813, 1959-1960	
	Nonr-2216 (05) [Investigation of the Principles Governing the Generation, Propagation and Reception of Energy in the Ocean...] Basic Task and Amendments, 1963	
	Nonr-2216 (05) [Investigation of the Principles Governing the Generation, Propagation and Reception of Energy in the Ocean...] Basic Tasks and Amendments, 1961-1962	
	Nonr-2216 (05) [Investigation of the Principles Governing the Generation, Propagation and Reception of Energy in the Ocean...] Basic Task and Amendments, 1964	
	Nonr-2216 (05) [Investigation of the Principles Governing the Generation, Propagation and Reception of Energy in the Ocean...] Basic Task and Amendments, 1965	

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Nonr-2216 (05) [Investigation of the Principles Governing the Generation, Propagation and Reception of Energy in the Ocean...] Basic Task and Amendments, 1966

Nonr-2216 (05) [Investigation of the Principles Governing the Generation, Propagation and Reception of Energy in the Ocean...] Basic Task and Amendments, 1967

Nonr-2216 (05) [Investigation of the Principles Governing the Generation, Propagation and Reception of Energy in the Ocean...] Basic Task and Amendments, 1968-1970

NOBS 3620 Facilities Contract, 1957-1960

NObs-4230 Facilities (Ships) [USS SNATCH, PAOLINA T, ARS-27], 1959-1961

Nonr 2216 (23) Gravity Meter, 1965-1968

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NObsr-43356 (2) [Oceanographic Research and Development], 1952-1954

NObsr-43356 Prime [Underwater Acoustics], 1949

NObsr-43356 Prime [Underwater Acoustics], 1950-51

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NObsr-43356 Prime [Underwater Acoustics], 1952-1953

NObsr-43356 Prime [Underwater Acoustics], 1954-1956

Nonr (F) 2416 (00) Facilities 1956-1958

Nonr (F) 2416 (00) Facilities, 1960-1968

NObsr-72512, Prime 1955

NObsr-72512, Prime, 1956-1959

NObsr-72512 Contract File, 1949-1953

NObsr-72512 Contract File, 1956

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5	<p>NObsr-72512 Contract File, 1957</p> <p>NObsr-72512 Contract File, 1958</p> <p>Dimus Correspondence, 1958-March 1959</p> <p>Dimus Correspondence May 1959-1976</p> <p>Notes: Relative Performance BQR-2 Dimus, V. Anderson, 00c-C-156, June 17, 1961</p> <p>Anderson, Victor, "SQS-4 Dimus," 17th U.S. Navy Symposium on Underwater Acoustics, October 29, 1959</p> <p>Dimus Specifications, 1960-1961</p> <p>BQR-2 Dimus Report Work File, 1961, Anderson and Gibson</p> <p>Classified Dimus [Blue] Prints, 1961 [Declassified]</p> <p>Dimus Sketches, 1958-1959</p> <p>[Dimus] Sonar Dome Correlation Data October, 1962</p> <p>Dimus Proposals, 1959-1960</p> <p>Hudson Laboratories of Columbia University, Bora Bora Conference... January 13-17, 1964, V.C. Anderson, n.d.</p> <p>Hudson Laboratories of Columbia University, Bora Bora Conference... January 13-17, 1964, V.C. Anderson</p>	
6	<p>Hudson Laboratories of Columbia University, Bora Bora Conference... January 13-17, 1964, V.C. Anderson</p> <p>Albacore-Dimus, 1962-1963</p> <p>Albacore-Dimus, [Negatives] 1962-1963</p> <p>Dimus Instruction Manual Ramey, May 1962</p> <p>Artemis Dimus Orbitron [Company] 1961</p> <p>Artemis Dimus Orbitron [Company], January-April 1962</p> <p>Artemis Dimus Orbitron [Company], May-December 1962</p>	

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Artemis Dimus Orbitron [Company], 1963

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Albacore Dimus Experiments, July-December 1962 [Experiments 12-17]

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Artemis Dimus ([Robert] Cherry) June-July 1963

John P. Lekas/Quantatron, Inc., 1961-1963

Dimus Albacore, 1960

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Dimus Albacore, May-July 1962

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Dimus Albacore Hydrophones, January-March 1961

Dimus Albacore Hydrophones, April-December 1961

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7	<p>Dimus-Martin Company, 1962</p> <p>Specification No. 1002-30, Element Dimus, 1961-1964</p> <p>Dimus-SQS-4 Matrix in Various Stages of Assembly and Filter Graphs, Miscellaneous Notes</p> <p>Dimus, SQS-4, March-November 1959</p> <p>Dimus, SQS-4, 1960-1963</p> <p>Dimus Albacore, General Plans, Submarine AGSS569 (BuShips #AGSS569-S0103-1192895), Portsmouth Naval Shipyard; Dimus Hydrophone Terminal Box, Proposed Schematic Wiring Diagram, Directivity Pattern and Receiving Response of Dimus Albacore #1 and #2, 1960-1961</p> <p>Dimus Albacore, 1958-1960</p> <p>Dimus Albacore, January-September 1961</p> <p>Dimus Albacore, October-December 1961</p> <p>Artemis Dimus 120-Element, November 1963-February 1964</p> <p>Artemis Dimus 120-Element, March 1964</p> <p>Artemis Dimus 120-Element, April-September 1964</p> <p>Artemis Dimus 120-Element, October-December 1964, 1967</p> <p>Dimus Artemis, 1960-1963</p>	
8	<p>Dimus-Miscellaneous Operational, 1961</p> <p>Dimus-BQR2 Tests, 1960-1961</p> <p>Dimus BQR-2 Pictures, Clock Driver, Indicator Power Supply, Low Speed Clock, Hi-Speed Clock Driver</p> <p>Dimus BQR, 1959-July 1960</p> <p>Dimus BQR, August-December 1960</p> <p>Dimus BQR, January-March 1961</p>	

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Dimus BQR, April, 1961-March 1962

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Dimus-Summer Study, June-August 1959

Dimus-Polar [Photographs] c.1963

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9	SPUME/SESCO Committee, [William] Whitney 1962	
	SPUME Bid Requests and Correspondence, October, 1961	
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	Pinger Measurement [Project] Artemis, 1963	
	SQS-4 Dimus Console, 1959	
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	Artemis Receiver Field, Drawings 1963	
	Artemis System Research Committee, Minutes December 18, 1963	
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	ULMS, 1970-1971	
	LF Ambient Noise-Anderson 1969	
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	Adaptive Signal Processing, 1969	
	Project Definitions, 1964	
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9	<p>Active Underwater Surveillance Program 1969-1970</p> <p>LRAPP [Long Range Acoustic Propagation Program] Proposals/Correspondence 1966-1971</p> <p>[De]classified Dimus Prints 1959-1960</p> <p>Final Report NObsr 72512 I and II, 1957-1962</p> <p>Dimus Correspondence [Cross Reference Sheets] 1958-1961</p> <p>Dimus SQS4 [Cross Reference Sheets] 1958-1960</p> <p>ADA Study [Cross Reference Sheet], 1960</p>	
10	<p>VIC-Current Work Dimus, 1957-1960</p> <p>Dimus BQR [Cross Reference Sheets and Photographs], 1959-1962</p> <p>Dimus-Miscellaneous Operational [Cross Reference Sheet] 1960</p> <p>Contract N00014-69-A-0200-6002, 48643,25870, Correspondence, 1968</p> <p>Contract N00014-69-A-0200-6002, 48643,25870, Correspondence, January-May, 1969</p> <p>N00014-69-A-0200-6002, 48643,25870, Correspondence, June-December 1969</p> <p>N00014-69-A-0200-6002, 48643,25870, Correspondence, 1970</p> <p>N00014-69-A-0200-6002, 48643,25870, Correspondence, 1971</p> <p>N00014-69-A-0200-6002, 48643,25870, Correspondence, 1972</p> <p>N00014-69-A-0200-6002, 48643,25870, Correspondence, January-July 1973</p> <p>Advanced Research Projects Agency-Spiess/Anderson, 1969-1971</p> <p>Submarine Communications, ONR [Office of Naval Research], 1954-1956</p> <p>Submarine Communications, ONR [Office of Naval Research], 1957-1959</p>	

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11	MPL Scientific Program, 1955-1956	
28	<p>MPL Reports, 1960-1985</p> <p>MPL Records, Grant Information Cards, 1958-1975</p>	
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11	<p>Nobsr 72512 (1), 1955</p> <p>Nobsr 72512 (1), 1956</p> <p>Nobsr 72512 (1), 1957-1959</p> <p>Nobsr 72512 (1), 1960-1963</p> <p>ONR [Office of Naval Research] Staff Information [on MPL Scientists] 1967</p> <p>Nonr 2216 (05) Class Amend DD 1498's, 1967-1968</p> <p>Nonr 2216 (05) Class Amend DD 1498's, 1969</p> <p>Nonr 2216 (05) Class Amend DD 1498's, July 1966</p> <p>Contract OEMsr-30, [Contract and Contract Supplements 1-4, 1941-</p>	

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12	Summary of Core Correspondence 16A-2, 1976-1977	
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RUM [Remote Underwater Monitor] Patent, 1961- [at end of collection]

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Schedule of Inventions, Nonr 2216 (05), 196-1968

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[Victor C.] Anderson, 1962-1967 [at end of collection]

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[Victor C.] Anderson, 1963

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[Frederick H.] Fisher, 1963-1967

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14 Patent: Expend. Bathytherm, 1962, Rasmussen [May 8, 1961-
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[June 14, 1960-July 23, 1974]

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16 Adaptive Signal Processing-Rudnick, [August 22-November 21, 1969]

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NAC [National Academy of Sciences] NRC [National Research Council] Summer Study-Anderson-1970 [July 13, 1970-November 5, 1970] [2 of 2]

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NUC [Naval Undersea Research and Development Center]-Sonar 1969 thru 1970 [April 15, 1969-March 1, 1973]

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21	Benthic Laboratory-ANDERSON [1 of 2]	
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22	Flip Sketches [October 16, 1961-March 16, 1964]	
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