Bibliography of the SIO Reference Series

1945 – 2002

Scripps Institution of Oceanography

La Jolla, California

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1946

46-1 A statistical study of wave conditions at four open sea localities in the North Pacific. Wave report No. 53. January 1946. 30p.

46-2 Comments on the paper and translation of: Kennzeichnung des gemessenen Seegangs auf Grund der Häufigkeitsverteilung von Wellehöhe, Wellenlänge und Steilheit, by H. Ehring, Techniche Berichte, v.4, 1940, pp. 152-155. Wave report No. 54. January 1946. 13p.

46-3 Sverdrup, H. U. Speculations on horizontal diffusion in the ocean. Oceanographic report No. 1. February 1946. 3p.

46-4 Beaches and wave action. Wave report No. 56. Febraury 1946. 13p.

46-5 Water waves caused by a local disturbance of finite depth. Wave report No. 57. June 1946. 17p.

46-6 Burk, Cletus J. Horizontal diffusion of dyes in the ocean. Oceanographic report No. 2. September 1946. 18p.

46-7 Quarterly progress report. January 1 to September 30, 1946. ONR progress report No. 1. October(?) 1946. 19p.

46-8 Sverdrup, H. U. Comparison between the methods for forecasting sea, swell and surf developed by the British Admiralty and the Scripps Institution of Oceanography. Wave report No. 59. November 1946. 5p.

46-9 ONR quarterly progress report No. 1. July - September 1946. (Fog project) November 1946. 5p.

1947

47-1 Quarterly progress report. October 1, 1946 - December 31, 1946. ONR progress report No. 2. January (?) 1947. 15p.

47-2 Quarterly progress report. October - December 1946. ONR progress report No. 2. (Fog project). January 1947. 7p.

47-3 Leipper, Dale and William Wood. Temperature and salinity of Philippine waters. Oceanographic report No. 4. March 1947. 50p.

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47-5 Quarterly progress report. January 1, 1947 - March 31, 1947. ONR progress report No. 3. (Fog project). April 1947. 6p.

47-6 Quarterly progress report. April 1, 1947 - June 30, 1947. ONR progress report NO. 4. July (?) 1947. 17p.

47-7 Quarterly progress report. April - June 1947. ONR progress report No. 4. (Fog project). April 1947. 6p.

47-8 Leipper, Dale F. Bathythermograph processing unit. Annual report. Oceanographic report No. 8. July 1947. 62p.

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47-14 Quarterly progress report. July 1, 1947 - September 30, 1947. ONR progress report No. 5. October(?) 1947. 17p.

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47-18 Graphs for obtaining orbital displacements and velocities. Wave report No. 71. November 1947. 4p.

47-19 Arthur, Robert S. Revised wave forecasting graphs and procedure. Wave report No. 73. December 1947. 28p.

1948

48-1 Quarterly progress report. October 1, 1947 - December 31, 1947. ONR progress report No. 6. January (?) 1948. 16p.

48-2 Quarterly progress report. October 1, 1947 - December 31, 1947. ONR progress report No. 6. (Fog project). January 1948. 9p. AD 144236.

48-3 Shepard, Francis P. Investigation of head of Monterey Submarine Canyon. Submarine Geology report No. 1. March 1948. 36p.

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48-5 Quarterly progress report. January 1, 1948 - March 31, 1948. ONR progress report No. 7. April (?) 1948. 16p.

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48-7 Quarterly progress report. April 1, 1948 - June 30,1948. ONR progress report No. 8. July (?) 1948. 11p.

48-8 Horrer, Paul L. Salinity as a tracer of upwelled water off Southern California. Marine Life Research technical report No. 1. July 1948. 4p.

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48-10 Fog forecasting on coasts. Final report of the Fog Project. Fog project report No. 3. August 1948. 144p.

48-11 Quarterly progress report. July 1, 1948 - September 30 1948. ONR progress report No. 9. October (?) 1948. 9p.

48-12 Osborn, Palmer. Tsunami travel times to La Jolla. Wave report No. 83. 1948 (?). 12p.

48-13 Osborn, Palmer. Refraction of long swell off La Jolla, 18-30 Secs. Wave report No. 84. 1948(?) 24p.

48-14 Leipper, Dale F. and Wayne V. Burt. Bathythermograph processing unit. Annual report to 1 July 1948. Oceanographic report No. 15. 1948. 59p.

1949

49-1 Quarterly progress report, October 1, 1948 - December 31, 1948. ONR progress report No. 10. January (?) 1949. 11p.

49-2 Progress report to 31 December 1948. (Oceanographic instruments.) January (?) 1949. 19p.

49-3 Burt, Wayne V. and Viola Bush. Distribution of bathythermograph observations North Pacific Ocean, 1941 - 1947. Oceanographic report No. 16. March 1949. 6p.

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49-6 Marine Life Research Program. Progress report to 30 April 1949. Report No. 1. May 1949. 51p.

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49-11 Quarterly progress report. April 1, 1949 - June 30, 1949. ONR progress report No. 12. July (?) 1949. 11p.

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49-13 Progress report. January 1, 1949 - June 30, 1949. (Oceanographic instruments) August 1949. 31p.

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49-17 Quarterly progress report. July 1, 1949 - September 30, 1949. ONR Progress report No. 13. October(?) 1949. 10p.

49-18 Quarterly progress report No. 1. July 1, 1949 - September 30, 1949. U. S. Army. Corps of Engineers. Beach Erosion Board. October (?) 1949. 5p.

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49-20 Marine Life Research Program. Progress report No. 3. 1 August to 31 October 1949. November 1949. 41p.

49-21 Howard, Francis J. Comparison of numerical and analytic intergration of the anomaly of specific volume in a vertical column of sea water for some hydrographic stations off the west coast of the United States. Marine Life Research technical report NO. 4. December 1949. 14p.

49-22 Miller, Robert L. Wave and weather correlation at Apra Harbor, Guam, M. I., from 18 March to 31 May 1949. Wave report No. 90. December 1949. 14p.

1950

50-1 Quarterly progress report No. 2. October 1, 1949 - December 30, 1949. U. S. Army. Corps of Engineers. Beach Erosion Board. January(?) 1950. 18p.

50-2 Quarterly progress report; October 1, 1949 - December 31, 1949. ONR progress report No. 14. January (?) 1950. 12p.

50-3 Progress report. 1 July 1949 - 15 December 1949. (Oceanographic Instrumentation.) February 1950. 8p.

50-4 Physical and chemical data report No. 6. Cruise 6. August 3 to August 22, 1949. Marine Life Research Program. March 1950. 68p.

50-5 Physical and chemical data report No. 7. Cruise 7 September 5 to September 18, 1949. Marine Life Research Program. March 1950. 67p.

50-6 Quarterly progress report No. 3. January 1, 1950- March 31, 1950. U. S. Army. Corps of Engineers. Beach Erosion Board. April (?) 1950. 13p.

50-7 Quarterly progress report. January 1, 1950 - March 31, 1950. ONR progress report No.15. April (?) 1950. 12p.

50-8 Marine Life Research program. Progress report No. 4. 1 November 1949 to 31 March 1950. April 1950. 45p.

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50-10 Cochrane, J. D. and P. Osborn. The mean wind stress over the Atlantic Ocean. Oceanographic report No.21. April 1950. 109p.

50-11 Reid, Robert O. Tables of specific volume anomaly and sigma T. Marine Life Research Technical report No. 5. May 1950. 28p.

50-12 Defant, Albert. Memorandum concerning the work of the Marine Life Research program. Translated by Hans T. Klein and Richard V. Mead. May 1950. 43p.

50-13 Van Dorn, William G. An automatic marine time release device. Oceanographic report No. 22. June 1950. 7p.

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50-17 Quarterly progress report. April - June 1950. ONR progress report No. 16. July 1950. 19p.

50-18 Quarterly progress report No. 4. April 1, 1950 - June 30, 1950. U.S. Army. Corps of Engineers. Beach Erosion Board. July 1950. 13p.

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50-22 Report index to 30 June 1950. August 1950. 29p.

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50-25 Quarterly progress report. July - September 1950. ONR progress report No. 17. October(?) 1950. 47p. AD 472161.

50-26 Quarterly progress report No. 5. 1 July - 30 September 1950. U. S. Army. Corps of Engineers. Beach Erosion Board. October (?) 1950. 10p.

50-27 Inman, D. L. Suggested standardization of the "descriptive parameters" in the mechanical analysis of sediments. Submarine Geology report No. 15. October 1950. 25p.

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50-29 Wooster, Warren S. Methods in chemical oceanography employed in the California Cooperative Sardine Research program. Marine Reserach Committee. November 1950. 35p.

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1951

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51-3 Quarterly progress report NO. 6. October - December 1950. U. S. Army. Corps of Engineers. Beach Erosion Board. June 1951. 8p.

51-4 Quarterly progress report No.[7]. January - March 1951. U. S. Army. Corps of Engineers. Beach Erosion Board. June 1951. 7p.

51-5 Quarterly progress report. January - March 1951. ONR progress report NO. 19. June 1951. 16p.

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51-9 Quarterly progress report. January - March 1951. Marine Physical Laboratory. June 1951. 15p.

* 51-10 Progress report. 15 December 1949 to 30 June 1951. (Acoustic Oceanography). August 1951. 42p.

51-11 Preliminary report of temperature and salinity. Cruises 15 through 25 - 6 June 1950 to 16 May 1951. Marine Life Research Program. July 1951. 16p.

51-12 Eckart, Carl. Surface waves of variable depth; lecture notes Fall Semester, 1950-51. Wave report NO. 100. August 1951. Marine Physical Laboratory. 116p. AD 139907.

51-13 Munk, Walter H. and Gifford C. Ewing. Investigation of the physics and chemistry of the air-sea boundary layer. Progress report No. 2. August 1951. 6p.

51-14 Marine foraminifera laboratory progress report; 1 December 1950 to 31 May 1951. August 1951. 3p.

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51-16 Quarterly progress report. April - June 1951. ONR progress report No. 20. August 1951. 17p. AD472077.

51-17 Physical and chemical data report NO. 14. Cruise 14 May 3 to May 18, 1950. Marine Life Research Program. August 1950. 75p.

51-18 Quarterly progress report No. 8. April - June 1951. U. S. Army. Corps of Engineers. Beach Erosion Board. September 1951. 7p.

51-19 Physical and chemical data report No. 15. Cruise 15 June 6 to June 23, 1950. Marine Life Research Program August 1951. 64p.

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51-33 Munk, Walter H. and Gifford C. Ewing. Investigation of the physics and chemistry of the air-sea boundary layer. Progress report No. 3. 15 June - 15 September 1951. October 1951. 5p. AD 4586.

51-34 Quarterly progress No. 9. July - September 1951. U. S. Army. Corps of Engineers. Beach Erosion Board. October 1951. 9p.

51-35 Quarterly progress report. July - September 1951. ONR progress report. NO. 21. [November 1951]. 18p.

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51-58 Cancelled

51-59 Cancelled

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51-62 Physical and chemical data report No. 13. Cruise 13. April 3 to April 17, 1950. Marine Life Research Program. May 1951. 70p.

1952

52-1 Preliminary report of temperature, salinity and current measurements; Cruise 32, 25 November to 9 Decmeber 1951. Marine Life Research Program. January 1952. 6p.

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52-5 Quarterly progress report No. 10. October - December 1951. U. S. Army. Corps of Engineers. Beach Erosion Board. January 1952. 16p.

52-6 Physical and chemical data; Cruise 22; 6-25 February 1951. Marine Life Research Program. February 1952. 59p.

52-7 Preliminary report of temperature, salinity, and current measurements, Cruise 33; 8-28 January 1952. Marine Life Research Program. February 1952. 6p.

52-8 Progress report, October - December 1951. (Acoustic Oceanography) February 1952. 13p.

52-9 Physical and chemical data, Cruise 23; 8-23 March 1951. Marine Life Research program. February 1952. 77p.

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52-23 Cancelled

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52-30 Quarterly progress report: January - March 1952. ONR progress report No. 23. May 1952. 21p.

* 52-31 Saelen, Odd S. The Thermitow: A brief description of the instrument and early results of its use. Marine Research Committee. June 1952. 30p.

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52-37 Physical and chemical data, Cruise 36; 2-28 April 1952. Marine Life Research Program. July 1952. 108p.

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52-39 Classified

52-40 Classified

52-41 ZoBell, Claude E. Marine Microbiology, semi-annual progress report; 1 January to 30 June 1952. July 1952. 4p.

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52-48 Marine foraminifera laboratory progress report; 1 December 1951 to 31 August 1952. September 1952. 5p.

52-49 Progress report; April - June 1952. Bureau of Ships Contract. August 1952. 13p.

52-50 Quarterly progress report; 1 April 1952 - 30 June 1952. Marine Physical Laboratory. September 1952. 11p.

52-50a Project 51 American Petroleum Institute; report 1; January 1 - July 1, 1951. 7p.

52-50b Study of nearshore recent sediments and their environments in the Northern Gulf of Mexico. American Petroleum Institute research project 51. First quarterly report; July 1, 1951 - September 30, 1951,(Report NO. 2). 11p.

52-50c Study of nearshore recent sediments and their environments in the Northern Gulf of Mexico. American Petroleum Institute research project 51. Second quarterly report October 1, 1951 - Decmeber 31 ,1951. (Report No. 3). 69p.

52-50d Study of nearshore recent sediments and their environments in the Northern Gulf of Mexico. American Petroleum Institute research project 51. Third quarterly report; January 1, 1952 - March 31, 1952. (report No. 4). 29p.

52-50e Study of nearshore recent sediments and their environments in the Northern Gulf of Mexico. American Petroleum Institute research project 51. Fourth quarterly report; April 1, 1952 - June 30, 1952. (report NO. 5) 62p.

52-51 Study of nearshore recent sediments and their environments in the Northern Gulf of Mexico. American Petroleum Institute research project 51. First quarterly report; 1 July 1952 - 30 September 1952. API report NO.6. October 1952. 51p.

52-52 Quarterly progress report No. 13: July - September 1952. U. S. Army Corps of Engineers. Beach Erosion Board. October 1952. 8p.

52-53 Investigation of the physics and chemistry of the air-sea boundary layer. Progress report No. 7. 15 July - 15 September 1952. 9p.

52-54 Quarterly progress report; July - September 1952. ONR progress report NO. 25. October 1952. 31p.

52-55 The automatic chlorinity titrator, preliminary report. October 1952. 11p. AD 16822.

52-56 Quarterly progress report; 1 July 1952 - 30 September 1952. Marine Physical Laboratory. October 1952. AD 5744.

52-57 Magness, Tom A. Detection of weak periodic signals by cross-correlation. Marine Physical Laboratory. October 1952. 23p.

52-58 Bien, George S. Chemical analysis methods. American Petroleum Institute. Project No. 51. November 1952. 15p.

52-59 Magness, Tom A. Optimum cross-correlation functions for detection purposes. Marine Physical Laboratory. November 1952. 16p. AD 7620.

52-60 Van Dorn, William G. Wind stress over water. AF Technical report No. 1. November 1952. 33p. AD 1931.

52-61 Cox, Charles and Walter H. Munk. The measurement of the roughness of the sea surface from photographs of the sun's glitter, part 1; The method. A. F. Technical report No. 2. November 1952. 51p. AD1921.

52-62 Classified

52-63 Wooster, Warren S. Shellback Expedition; 17 May to 27 August 1952. December 1952. 19p. AD 692.

* 52-64 Station positions of the California Cooperative Sardine Research program. December 1952. 13p.

52-65 Marine Formainifera Laboratory progress report; 1 September 1952 to 30 November 1952. December 1952. 2p.

52-66 Marine Foraminifera Laboratory report for 1952. December 1952. 3p.

52-67 Progress report; July - September 1952. Bureau of Ships Contract. December 1952. 21p.

52-68 Classified

52-69 Classified

52-70 Classified

1953

53-1 Study of nearshore recent sediments and their environments in the Northern Gulf of Mexico. Second quarterly report: 1 October - 31 December 1952. American Petroleum Institute research project 51. API report NO. 7. January 1953. 47p.

53-2 Classified

53-3 Devereux, Robert F. and Robert C. Winsett. Isaacs-Kidd midwater trawl. Final report. Oceanographic Equipment report NO. 1. January 1953. 23p.

53-4 Limbaugh, Conrad. Investigation of fish life in the kelp beds and the effects of kelp harvesting on fish. 1 July - 30 September 1952. January 1953. 4p.

53-5 Limbaugh, Conrad. Investigation of fish life in the kelp beds and the effects of kelp harvesting on fish. 1 October - 31 December 1952. January 1952. 4p.

53-6 Investigation of the physics and chemistry of the air-sea boundary layer. Progress report No. 8. 15 September - 15 December 1952. January 1953. 5p.

53-7 Classified

* 53-8 Progress report; January - March 1953. Bureau of Ships Contract NObsr-43356. May 1953. 14p. AD 16969.

53-9 Quarterly progress report No. 14. October - December 1952. U. S. Army. Corps of Engineers. Beach Erosion Board. January 1953. 11p.

53-10 Marine microbiology. Semi-annual progress report. 1 July to 31 December 1952. January 1953. 5p.

53-11 Marine wood-boring organisms. Semi-annual report January 1953. 13p.

* 53-12 Quarterly progress report. October - December 1952. ONR progress report No. 26. January 1953. 19p. AD 16825.

53-13 Hedgpeth, Joel W. A preliminary bibliography of books on the seashore, oceanography and related subjects. June 1953. 70p.

53-14 Ferris, Horace G. Electric field in the ocean of a submerged horizontal dipole. nd. 25p.

53-15 Capricorn Expedition, shipboard report; 26 September 1952 - 21 February 1953. February 1953. 78p AD 10232.

53-16 Marine Physical Laboratory. 1 October 1952 through 31 December 1952. February 1953. 4p.

53-17 Bascom, Willard and John Fry. The movement and burial of cylindrical ground mines on sandy bottoms. February 1953. 26p.

53-18 Progress report. October - December 1952. Bureau of Ships Contract NObsr-43356. February 1953. 17p. AD 10580.

53-19 Ferris, Horace G. A problem of combined radial and axial heat flow in a radially infinite composite cylindrical region. March 1953. 38p. AD 13223.

53-20 Report Index, 1 July 1950 - 31 December 1951. March 1953. 20p.

53-21 Whitehouse, Grant. Study of nearshore recent sediments and their environments in the northern Gulf of Mexico. API Research Project 51. March 1953. 11p.

53-22 Cancelled

53-23 Devereux, Robert F. and Robert C. Winsett. The marine release-delay timer. Final report. Oceanographic Equipment report NO. 2. February 1953. 12p.

53-24 Marine foraminifera laboratory progress report; 31 November 1952 to 1 March 1953. nd. 2p.

53-25 Classified

53-26 Study of nearshore recent sediments and their environments in the Northern Gulf of Mexico. Third quarterly report; 1 January - 31 March 1953. American Petroleum Institute Project 51. API report No. 8. April 1953. 48p.

53-27 Mao, Han-Lee and Kozo Yoshida. Physical oceanography in the Marshall Islands area; 20°N-5°S, 155°E-175°E. April 1953. 59p. AD 14756.

53-28 Devereux, Robert F. and Robert C. Winsett. Overhauling the aqualung. Oceanographic Equipment report No. 3. April 1953. 14p.AD55807.

53-29 Investigation of the physics and chemistry of the air-sea boundary layer. Progress report No. 9. 15 December to 15 March 1953. April 1953. 4p.

53-30 Quarterly progress report No. 15. U. S. Army. Corps of Engineers. Beach Erosion Board. April 1953. 10p.

* 53-31 Quarterly progress report. January - March 1953. ONR progress report No. 27. April 1953. 16p.

53-32 Marine physical laboratory progress report; 1 January 1953 through 31 March 1953. May 1953. 10p. AD 13200.

53-33 Baños, Alfredo, Jr. and James Paul Wesley. The horizontal electric dipole in a conducting half-space. Marine Physical Laboratory. September 1953. 238p.

53-34 Ferris, Horace G. Theoretical analysis of a temperature probe developed for ocean bottom studies. May 1953. 24p. AD 18345.

53-35 Inman, Douglas L. Beach and nearshore processes along the Southern California Coast. Submarine Geology Report NO. 27. nd. 11p. AD 17824.

53-36 Anderson, Victor C. Wide band sound scattering in the deep scattering layer. Marine Physical Laboratory. n.d. 76p. AD 14784.

53-37 Devereux, Robert F. and Robert C. Winsett. High-speed diving dredge. Final report. Oceanographic Equipment report No. 4. June 1953. 16p.

* 53-38 Bascom, Willard N. A deep-sea instrument station. June 1953. 11p. AD 18911.

53-39 Marine foraminifera laboratory progress report. 1 March 1953 to 31 May 1953. June 1953. 3p.

53-40 Magness, T. A. The response of a quadratic device to non-Gaussian noise. Marine Physical Laboratory. June 1953. 40p.

53-41 Limbaugh, Conrad. Preliminary resume of results of investigations conducted from 1948 to 1953 concerning fish life in the kelp beds and effects of kelp harvesting on the fish populations. June 1953. 6p.

* 53-42 Marine microbiology semi-annaul progress report. 1 January to 30 June 1953. July 1953. 19p. AD 14900.

53-43 Study of nearshore recent sediments and their environments in the Northern Gulf of Mexico. Fourth quarterly report; 1 April - 30 June 1953. American Petroleum Institute Research Project. 51. API report NO. 9. July 1953. 85p.

53-44 Investigations of the physics and chemistry of the air-sea boundary layer. Progress report No. 10. 15 March to 15 June 1953. 5p.

53-45 Marine wood-boring organisms. Semi-annual progress report. July 1953. 30p. AD 16967.

53-46 Culver, Frances R. Water clarity nomongraphs. Visibility Laboratory. 14p. AD 24671.

53-47 Classified

53-48 Marine Physical laboratory progress report. 1 April 1953 through 30 June 1953. July 1953. 7p. AD 17638.

53-49 Classified

53-50 Quarterly progress report No. 16. U. S. Army. Corps of Engineers. Beach Erosion Board. April - June 1953. 11p.

53-51 Classified

53-52 Quarterly progress report. April - June 1953. ONR progress report NO. 28. July 1953. 23p.

53-53 Cox, Charles and Walter Munk. The measurement of the roughness of the sea surface from photographs of the sun's glitter. Part II. The results. AF Technical report No. 3. August 1953. 31p. AD 23613.

53-54 Cancelled

53-55 Progress report on oceanographic instrumentation. April - June 1953. August 1953. 14p. AD 19427.

53-56 Study of nearshore recent sediments and their environments in the Northern Gulf of Mexico. First quarterly report. 1 July - 30 September 1953. API report No. 10. October 1953. American Petroleum Institute Research Project 51. 59p.

53-57 Magness, T. A. Some mathematical models of non-Gaussian noise. Marine Physical Laboratory. October 1953. 13p. AD 45465.

53-58 Marine physical laboratory progress report. 1 July 1953 through 30 September 1953. 6p. AD 45445.

53-59 Investigations of the physics and chemistry of the air-sea boundary layer. Progress report No. 11. 15 June to 15 September 1953. 4p.

53-60 Quarterly progress report No. 17. U. S. Army. Corps of Engineers. Beach Erosion Board. October 1953. 12p.

* 53-61 Quarterly progress report. July - September 1953. ONR Progress report NO. 29. October 1953. 18p.

53-62 Cancelled

53-63 Groves, Gordon W. A statistical description of average wave conditions near the entrance of San Diego Bay. Wave report No. 102. December 1953. 69p. AD 45446.

* 53-64 Groves, Godron and Walter Munk. A decompression gauge for divers. December 1953. 30p. AD 26334.

53-65 Marine foraminifera laboratory progress report. 1 June 1953 to 30 November 1953. December 1953. 5p.

53-66 Progress report on Oceanographic instrumentation. July-September 1953. October 1953. 14p. AD 45444.

53-67 Proposed development of marine biology at the Scripps Institution of Oceanography. August 1953. 114p.

1954

54-1 Marine microbiology. Semi-annual progress report. 1 July to 31 December 1953. Report No. 6. January 1954. 23p. AD 24645.

54-2 Study of nearshore recent sediments and their environments in the Northern Gulf of Mexico. American Petroleum Institute Research Project 51. Second quarterly report; 1 October - 31 Decmeber 1953. API report No. 11. January 1954. 62p.

54-3 Lambertsen, Christian J. and Willard Bascom. The permissible level of carbon monoxide in inspired air. December 1953. 9p. AD 28055.

54-4 Investigations of the physics and chemistry of the air-sea boundary layer. Progress report NO. 12. 15 September to 15 December 1953. 4p.

54-5 Menzies, Robert J. and Martin W. Johnson. Marine wood-boring organisms. Annual progress report. 1 January - 31 December 1953. February 1954. 26p. AD 28695.

54-6 Walker, Theodore J. Non-visual orientation of fish. Progress report. 1953. January 1954. 9p. AD 35490.

54-7 Quarterly progress report No. 18. U. S. Army. Corps of Engineers. Beach Erosion Board. January 1954. 10p.

54-8 Quarterly progress report. October - December 1953. ONR progress report NO. 30. February 1954. 16p. AD 28056.

54-9 Marine Physical Laboratory progress report. 1 October through 31 December 1953. January 1954. 21p. AD 27261.

54-10 Cox, Charles and Walter Munk. The measurement of the roughness of the sea surface from photographs of the sun's glitter. Part 3; The interpretation. AF Technical report No. 4. January 1954. 29p. AD 33898.

54-11 Classified

54-12 Investigations of the physics and chemistry of the air-sea boundary layer. Progress report No. 13. 15 December 1953 to 15 March 1954. 4p.

54-13 Quarterly progress report No. 19. U. S. Army. Corps of Engineers. Beach Erosion Board. January - March 1954. April 1954. 6p.

* 54-14 Quarterly progress report. January - March 1954. ONR progress report NO. 31. April 1954. 14p.

* 54-15 Progress report on oceanographic instrumentation. October - December 1953. February 1954. 14p. AD 40214.

54-16 Classified.

54-17 Study of nearshore recent sediments and their environments in the Northern Gulf of Mexico. American Petroleum Institute Research project NO. 51. Third quarterly report. 1 January - 31 March 1954. API report NO. 12. April 1954. 25p.

54-18 Marine Physical Laboratory progress report. 1 January 1954 through 31 March 1954. May 1954. 26p. AD 54056.

54-19 Progress report on oceanographic instrumentation. January - March 1954. May 1954. 15p. AD 33897.

54-20 Investigations of the physics and chemistry of the air-sea boundary layer. Final report. April 1954. 14p. AD 46392.

54-21 Marine foraminifera laboratory. Progess report. 1 December 1953 to 31 May 1954. June 1954. 4p.

54-22 Groves, Gordon W. Dynamic model of two-layer ocean under influence of atmosphere and coastal boundary. July 1954. 30p. AD 40832.

54-23 Study of nearshore recent sediments and their environments in the Northern Gulf of Mexico. American Petroleum Institute Research project No. 51. Fourth quarterly report. 1 April - 30 June 1954. API report NO. 13. July 1954. 24p.

54-24 Marine microbiology. Semi-annual progress report. 1 January to 30 June 1954. Report No. 7. July 1954. 21p. AD 36199.

54-25 Quarterly progress report NO. 20. U. S. Army. Corps of Engineers. Beach Erosion Board. April - June 1954. July 1954. 8p.

54-26 Quarterly status report No. 1. April - June 1954. Contract AF 19(604)-1053. July 1954. 3p.

54-27 Quarterly progress report. April - June 1954. ONR progress report No. 32. August 1954. 16p. AD53026.

54-28 Devereux, Robert F. Progress report. April - June 1954. August 1954. 17p. AD 44707.

54-29 Classified

54-30 Classified AD 55776L

54-31 Baños, Alfredo, Jr. and James Paul Wesley. The horizontal electric dipole in a conducting half-space, II. Marine Physical Laboratory. August 1954. 163p. AD 47854.

54-32 Marine Physical Laboratory progress report. 1 April 1954 through 30 June 1954. September 1954. 14p. AD 236413.

54-33 Classified

54-34 Quarterly progress report. July - September 1954. ONR progress report NO. 33. November 1954. 21p. AD 57456.

54-35 Quarterly status report No. 2. July - September 1954. Contract AF 19(604)-1053. November 1954. 6p.

54-36 Quarterly status report No. 1. July - September 1954. Contract AF 19(604)-1163. November 1954. 3p.

54-37 Marine foraminifera laboratory progress report. 1 June 1954 to 30 November 1954. December 1954. 3p.

54-38 Devereux, Robert F. Progress report. July - September 1954. November 1954. 13p. AD 236412.

54-39 Marine Physical Laboratory progress report. 1 July 1954 through 30 September 1954. December 1954. 7p.

1955

55-1 Menzies, Robert J. and Martin W. Johnson. Marine wood-boring organisms. Annual progress report. 1 January - 31 December 1954. January 1955. 26p. AD 53778

* 55-2 Marine microbiology. Semi-annual progress report. 1 July to 31 December 1954. Report NO. 8. December 1954. 16p. AD 55005.

55-3 Classified

55-4 Marine Physical Laboratory progress report. 1 October 1954 through 31 December 1954. February 1955. AD 84275L.

55-5 Classified

55-6 Anderson, Victor C. A recording-reproducing system using a dielectric storage medium. Marine Physical Laboratory. January 1955. 19p. AD 79567L.

55-7 Quarterly status report No. 3. October - December 1954. Contract AF 19(604)-1053. January 1955. 4p.

55-8 Quarterly status report No. 2. October - December 1954. Contract AF 19(604)-1163. January 1955. 3p.

55-9 Classified. AD 114092.

55-10 Devereux, Robert F. Progress report. October-December 1954. January 1955. 12p. AD 60892.

55-11 Walker, Theodore J. Non-visual orientation of fish. Progress report, 1954. January 1955. 11p. AD 57512.

55-12 Quarterly progress report. October - December 1954. ONR progress report No. 34. February 1955. 26p. AD 66086.

55-13 Classified

55-14 Marine Physical Laboratory progress report. 1 January through 31 March 1955. May 1955. 11p. AD 74294.

55-15 Classified

55-16 Quarterly status report No. 4. January - March 1955. Contract AF 19(604)-1053. May 1955. 4p.

55-17 Quarterly status report No. 3. January - March 1955. Contract AF 19(604)-1163. May 1955. 3p.

55-18 Quarterly progress report. January - March 1955. ONR progress report NO. 35. May 1955. 17p. AD 71433.

55-19 Devereux, Robert F. Progress report on oceanographic instrumentation. January - March 1955. June 1955. 14p.

55-20 Marine microbiology. Semi-annual progress report. 1 January to 30 June 1955. Report No. 9. July 1955. 24p. AD 69965.

55-21 Classified.

55-22 Marine Physical Laboratory progress report. 1 April 1955 through 30 June 1955. August 1955. 9p.

55-23 Devereux, Robert F. Progress report. April - June 1955. July 1955. 12p. AD 88579.

55-24 Quarterly progress report. April - June 1955. ONR progress report NO. 36. July 1955. 21p. AD 75269.

55-25 Quarterly status report No. 5. April - June 1955. Contract AF 19(604)-1053. August 1955. 4p.

55-26 Study of long-period waves by instruments which record on ship. Final report under contract No. AF 19(604)-1163. August 1955. 4p. AD 77274.

55-27 Classified

55-28 Quarterly progress report. July - September 1955. ONR progress report No. 37. October 1955. 15p. AD 90634.

55-29 Quarterly status report NO. 6. July - September 1955. Contract AF 19(604)-1053. October 1955. 5p.

55-30 Classified

55-31 Devereux, Robert F. Progress report. July - September 1955. December 1955. 14p.

55-32 Lectures on population dynamics. October 1955. 76p.

1956

56-1 Marine microbiology. Semi-annual progress report. 1 July to 31 December 1955. Report NO. 10. January 1956. 11p. AD 82569.

56-2 Quarterly status report No. 7. October - December 1956. (Contract AF 19(604)-1053). January 1956. 3p.

56-3 Classified

* 56-4 NORPAC hydrographic data. NORPAC Cruise of August-September 1955. February 1956. 186p.

56-5 Quarterly progress report. October - December 1955. ONR progress report No. 38. February 1956. 23p. AD 91532.

56-6 Classified AD 465029.

* 56-7 Navy-supported unclassified publications of the Scripps Institution of Oceanography, 1955. February 1956. 31p. AD 101794.

56-8 Boden, Elizabeth M. K. and Boden, Brian P. Causes and mechanisms of diurnal vertical migration of sonic scattering layers in the sea. Progress report. 1 May - 31 December 1955. March 1956. 9p. AD 90379.

56-9 Classified AD 306968L

56-10 Classified

56-11 Walker, Theodore J. Non-visual orientation of fish: Progress report 1955. March 1956. 7p. AD 87399.

56-12 Devereux, Robert F. Quarterly progress report. October-December 1955. March 1956. 24p. AD 105498.

56-13 Classified AD 146019

56-14 Quarterly status report No. 8. January - March 1956. Contract AF 19(604)-1053. May 1956. 3p.

56-15 Classified

56-16 Quarterly progress report. January - March 1956. ONR progress report No. 39. June 1956. 19p. AD 101510.

56-17 Processing of bathythermograph observations. Final report. July 1956. 21p.

56-18 Classified.

56-19 Final report of work under agreement with the United States Department of Commerce, Weather Bureau, contract No. Cwb-8805. September 1956. 7p.

56-20 IGY progress report No. 1, period ending 31 March 1956. Island Observatories program. July 1956. 5p.

56-21 IGY quarterly progress report No. 2. April - June 1956. Island observatories program. July 1956. 4p.

56-22 Classified

56-23 Quarterly progress report. April - June 1956. ONR progress report No. 40. July 1956. 19p. AD 109864.

56-24 Physical and chemical data. CCOFI Cruise 5205 (MLR 37), 9-26 May 1952. August 1956. 76p.

56-25 Quarterly status report No. 9. April - June 1956. Contract AF 19(604)-1053. August 1956. 4p.

56-26 Devereux, Robert F. Progress report. January - March 1956. September 1956. 16p.

56-27 Physical and chemical data. CCOFI Cruise 5206(MLR 38) 3 - 21 June 1952. October 1956. 85p.

56-28 Data collected by Scripps Institution. Vessels on Eastropic Expedition. September - December 1955. October 1956. 150p. AD 111699.

56-29 Classified.

56-30 Quarterly progress report. July - September 1956. ONR progress report No. 41. December 1956. 20p. AD 128375.

56-31 IGY quarterly progress report No. 3. July - September 1956. Island observatories -- Pacific program. October 1956. 6p.

56-32 Physical and chemical data. CCOFI Cruise 5207(MRL 39) 2-24 July 1952. October 1956. 85p.

56-33 IGY quarterly progress report No. 1. July - September 1956. Jarvis- Palmyra operations program. October 1956. 4p.

56-34 IGY quarterly progress report No. 1. July - September 1956. Radio- chemistry analysis program. October 1956.2p.

56-35 Quarterly status report No. 10. July - September 1956. Contract AF 19(604)-1053. December 1956. 4p.

56-36 Devereux, Robert F. Progress report. April - June 1956. Decmeber 1956. 19p.

56-37 Hurley, Robert Joseph. Expedition Chinook I. Lowering log. June - August 1956. 24p.

56-38 Rechnitzer, Andreas B. Preliminary report on experiments to determine effects on marine life of Hercules explosive powders EP138 (Black powder) and EP198B [September 1956] 23p.

56-39 Marine corrosion and fouling conference. Scripps Institution of Oceanography, La Jolla. April 18 - 20, 1956. 118p.

1957

* 57-1 Quarterly progress report. October - December 1956. ONR progress report No.42 .. Janurary 1957. 16p.

57-2 Physical and chemical data. CCOFI Cruise 5208 (MLR 40) 8-19 August 1952. January 1957. 52p.

57-3 Cancelled

57-4 Classified

57-5 IGY Quarterly progress report No. 2, October - December 1956. January 1957. 3p.

57-6 Cox, Charles S. Measurements of slopes of high-frequency wind waves. Final report, contract No. AF 19(604)-1053. March 1957. 40p. AD 117217.

57-7 Island Observatories - Pacific Program. Quarterly progress report No. 4. October - December 1956. January 1957. 17p.

57-8 Classified AD 143038.

57-9 Navy-supported unclassified publications of the Scripps Institution of Oceanography, 1956. April 1957. 46p. AD 620592.

57-10 Physical and chemical data. CCOFI Cruise 5209 (MLR 41) 4-19 September 1952. February 1957. 55p.

57-11 Deep current program. Quarterly progress report No.1, period ending 31 December 1956. February 1957. 5p.

57-12 Carbon dioxide abundances and radio-chemistry analysis program. Quarterly progress report No. 2. October - December 1956. March 1957. 2p.

57-13 Physical and chemical data. CCOFI Cruise 5210 (MLR 42), 8-22 October 1952. March 1957. 53p.

57-14 Classified AD 140326

57-15 Quarterly progress report. January - March 1957. ONR progress report NO. 43. April 1957. 23p. AD 140181.

57-16 Island observatories - Pacific program. Quarterly progress report No. 5. January - March 1957. 7p.

57-17 Deep current program. Quarterly progress report No.2. January - March 1957. April 1957. 2p.

57-18 Carbon dioxide abundances and radio-chemistry analysis program. Quarterly progress report No. 3. January - March 1957. April 1957. 9p.

57-19 Classified AD 143038

57-20 Seismic sea exploration -- Pacific program. Quarterly progress report No. 1. January - March 1957. April 1957. 3p.

57-21 Confidential AD 156540

57-22 Physical and chemical data. CCOFI Cruise 5211 (MLR 43), 6-21 November 1952. May 1957. 56p.

57-23 Walker, Theodore J. Non-visual orientation of fish: progress report, 1956. May 1957. 5p. AD 133358.

57-24 Classified AD 145095

57-25 Data collected by Scripps Institution vessels on EQUAPAC expedition, August 1956. June 1957. 115p. AD 143041.

57-26 Quarterly progress report. April - June 1957. ONR progress report No. 44. August 1957. 14p.

57-27 Carbon dioxide abundances and radio-chemistry analysis program. Quarterly progress report No. 4. April - June 1957. July 1957. 5p.

57-28 Surface water temperatures at shore stations, United States West Coast and Baja California, 1955, including surface salinities from several stations and five-meter temperatures and salinities at Scripps Pier. July 1957. 61p.

57-29 Island observatories - Pacific program. Quarterly progress report No. 6. April - June 1957. July 1957. 4p.

57-30 Classified

57-31 Seismic sea exploration - Pacific program. Quarterly progress report No. 2. April - June 1957. August 1957. 4p.

57-32 Physical and chemical data. CCOFI Cruise 5301 (MLR 44) 6-22 January 1953. August 1957. 71p.

57-33 Physical and chemical data. CCOFI Cruise 5302 (MLR 45), 4-26 February 1953. August 1957. 60p.

57-34 Deep current program. Quarterly progress report No.3. April - June 1957, August 1957. 4p.

57-35 Jarvis-Palmyra operations program. Quarterly progress report No. 4. April - June 1957. August 1957. 4p.

57-36 Beal, M. Allan. Barrow Sea Valley study and tide gage installations. Final report. Arctic Institute of North America. ONR project 165. August 1957. 21p.

57-37 Physical and chemical data. CCOFI Cruise 5303 (MLR 46). 6 March - 5 April 1953. September 1957. 85p.

57-38 Final report, Phase II, Contract NObsr 72512, 1 October 1955 to 30 September 1957. 19p.

57-39 Quarterly progress report. July - September 1957. ONR progress report No. 45. October 1957. 14p.

57-40 Island observatories - Pacific program. Quarterly progress report No. 7. July - September 1957. October 1957. 9p.

57-41 Jarvis-Palmyra operations program. Quarterly progress report No. 5. July - September 1957. October 1957. 3p.

57-42 Deep current program. Quarterly progress report No. 4. July - September 1957. October 1957. 5p.

57-43 Tyler, John Edwards and William Hadley Richardson. A nephelometer for the measurement of volume scattering function. Visibility Laboratory. October 1957. 16p. AD 206111.

57-44 Preisendorfer, Rudolph W. Radiative transfer axioms. Visibility Laboratory. October 1957. 32p. AD 156349.

* 57-45 Preisendorfer, Rudolph W. Invariant imbedding relation for the principles of invariance. Visibility Laboratory. October 1957. 8p.

57-46 Seismic Sea Exploration -- Pacific program. Quarterly progress report No. 3. July - September 1957. October 1957. 3p.

57-47 Preisendorfer, Rudolph W. Functional relations for the R and T operators on plane-parallel media. Visibility Laboratory. November 1957. 11p.

57-48 Classified

57-49 Classified AD 301562L

57-50 Classified AD 306107L

57-51 Preisendorfer, Rudolph W. Time- dependent principles of invariance. Visibility Laboratory. November 1957. 11p. AD 155333.

57-52 Cancelled

57-53 Mukluk Expedition. July - August 1957. Cores and dredge samples. 6p.

1958

58-1 Marine Microbiology. Annual progress report No. 11. 1 January - 31 December 1957. January 1958. 15p. AD 156539.

58-2 Classified AD 309730

* 58-3 Island Observatories -- Pacific Program. Quarterly progress report No. 8. October - December 1957. January 1958. 3p.

58-4 Jarvis-Palmyra Operations Program. IGY. Quarterly progress report No. 6. October - December 1957. January 1958. 4p.

58-5 Cancelled

* 58-6 Deep Current Program. IGY. Quarterly progress report NO. 5. October - December 1957. January 1958. 3p.

* 58-7 Quarterly progress report No. 46. October-December 1957. ONR Earth Sciences. February 1957. [1958]. 23p.

58-8 Carbon dioxide abundances and radio-chemistry analysis program. Quarterly progress report No. 5. July - September 1957. January 1958. 2p.

58-9 Carbon dioxide abundances and radio-chemistry analysis program. Quarterly progress report No. 6. October - December 1957. January 1958. 6p.

58-9a Tuna Oceanography Project. Quarterly progress report [1] for quarter ended September 30, 1957. October 1957. 3p.

58-10 Blackburn, Maurice . Scripps Tuna Oceanography Research (STOR) program. Quarterly progress report No. 2. 1 October - 31 December 1957. January 1958. 11p.

58-11 Classified

58-12 Classified AD 309664L

58-13 Physical and chemical data. CCOFI Cruise 5304 (MLR 47) 13 March - 19 April 1953. February 1958. 65p.

58-14 Physical and chemical data. CCOFI Cruise 5305 (MLR 48) 29 April - 30 May 1953. March 1958. 72p.

58-15 Physical and chemical data. CCOFI Cruise 5306 (MLR 49) 3 June - 3 July 1953. July 1958. 65p.

58-16 Rasmussen, Robert A. A sampled data processor. Marine Physical Laboratory. December 1958. 36p. AD 215564.

* 58-17 Deep Current Program. IGY. Quarterly progress report NO. 6. January - March 1958. May 1958. 2p.

58-18 Carbon dioxide abundances and radio-chemistry analysis program. Quarterly progress report No. 7. IGY. January - March 1958. April 1958. 3p.

58-19 Cancelled

58-20 Blackburn, Maurcie. Scripps Tuna Oceanography Research (STOR) program. Quarterly progress report No. 3. 1 January - 31 March 1958. April 1958. 14p.

58-21 Quarterly progress report No. 47. January - March 1958. ONR progress report No. 47. May 1958. 36p.

58-22 Physical and chemical data. CCOFI Cruise 5701 (MLR 92) 4-19 January 1957, and CCOFI Cruise 5702 (MLR 93) 6-26 February 1957. August 1958. 67p.

58-23 Physical and chemical data. CCOFI Cruise 5307 (MLR 50) 8-27 July 1953 and CCOFI Cruise 5308 (MLR 51) 5-30 August 1953. August 1958. 98p.

58-24 Physical and chemical data. CCOFI Cruise 5703(MLR 94) 6-30 March 1957 and CCOFI Cruise 5704 (MLR 95) 5-30 April 1957. August 1958. 92p.

58-25 Tyler, John Edwards. Radiance distribution as a function of depth in the submarine environment. Visibility Laboratory. March 1958. 38p. AD 268283.

* 58-26 Island Observatories -- Pacific Program. Quarterly progress report No. 9. January - March 1958. IGY. April 1958. 8p.

58-27 Seismic sea exploration--Pacific program. Quarterly progress reports Nos. 4 and 5. October 1957-March 1958. April 1958. 4p.

58-28 Cancelled

* 58-29 Final report contract Nonr-233(17). Project Nr. 087-029. ONR. Earth Sciences. April 1959. 6p.

58-30 Rasmussen, Robert A. Low-frequency wave filters employing thermistors. Marine Physical Laboratory. September 1958. 20p.

58-31 Cancelled

58-32 Classified

58-33 Physical and chemical data. CCOFI Cruise 5705 (MLR 96) 9-23 May 1957 and CCOFI Cruise 5706 (MLR 97) 5-23 June 1957. July 1958. 73p.

58-34 Rudnick, Philip. Detection in non-Gaussian background. Marine Physical Laboratory. May 1958. 34p.

58-35 Duntley, Seibert Quimby, William H. Culver, Frances Richey and Rudolph W. Preisendorfer. The reduction of contrast by atmospheric boil. Visibility Laboratory. July 1958. 26p. AD 268121.

58-36 Richardson, William Hadley. Determination of the non-zero asymptote of an exponential decay function. Visibility Laboratory. July 1958. 4p.

58-37 Preisendorfer, Rudolph W. A general theory of perturbed light fields, with applications to forward scattering effects in beam transmittance measurements. Visibility Laboratory. May 1958. 24p. AD 268284.

58-38 Physical and chemical data. CCOFI Cruise 5401 (MLR 56) 5 January - 4 February 1954. and CCOFI Cruise 5402 (MLR 57) 2-16 February 1954. August 1958. 79p.

58-39 Preisendorfer, Rudolph W. The K-method of determining the path function. May 1958. Visibility Laboratory. 6p. AD 268515.

58-40 Preisendorfer, Rudolph W. The planetary hydrosphere problem. I. General principles. July 1957. Visibility Laboratory. 35p.

58-41 Preisendorfer, Rudolph W. The divergence of the light field in optical media. Visibility Laboratory. July 1957. 16p. AD 247620.

58-42 Preisendorfer, Rudolph W. Model for radiance distributions in natural hydrosols. Visibility Laboratory. August 1957. 21p.

58-43 Preisendorfer, Rudolph W. Unified irradiance equations. Visibility Laboratory. August 1957. 41p.

58-44 Physical and chemical data. CCOFI Cruise 5309 (MLR 52) 9-19 September 1953, CCOFI Cruise 5310 (MLR 53) 7-24 October 1953, CCOFI Cruise 5311 (MLR 54) 9-14 November 1953 and CCOFI Cruise 5312 (MLR 55) 1-13 December 1953. August 1958. 96p.

58-45 Cancelled

58-46 Preisendorfer, Rudolph W. Directly observable quantities for light fields in natural hydrosols. Visibility Laboratory June 1958. 30p. AD 201547.

58-47 Preisendorfer, Rudolph W. Canonical forms of the equation of transfer. Visibility Laboratory. July 1958. 16p. AD 201548.

58-48 Deep Current Program. Quarterly progress report No.7. April - June 1956. July 1958. 13p.

58-49 Island observatories -- Pacific Program. Quarterly progress report No. 10. April - June 1958. 13p.

58-50 Cancelled

58-51 Cancelled

58-52 Quarterly progress report . April - June 1958. ONR progress report NO. 48. ONR. Earth Sciences. July 1958. 16p.

58-53 Scripps Tuna Oceanography Research (STOR) program. Quarterly progress report No. 4. 1 April - 30 June 1958. July 1958. 24p.

58-54 Cancelled

58-55 Classified

58-56 Classified AD 303370

58-57 Preisendorfer, Rudolph W. A proof of the asymptotic radiance hypothesis. Visibility Laboratory. August 1958. 30p. AD 206114.

58-58 Preisendorfer, Rudolph W. Some mathematical aspects of geophysical optics concepts. Visibility Laboratory. August 1958. 21p. AD 212743.

58-59 Preisendorfer, Rudolph W. On the existence of characteristic diffuse light in natural waters. Visibility Laboratory. August 1958. 17p.

58-60 Preisendorfer, Rudolph W. Some practical consequences of the asymptotic radiance hypothesis. Visibility Laboratory. September 1958. 32p. AD 206853.

* 58-61 Low-level counting. Interim progress report. August 1958. 33p.

58-62 Classified AD 335715L

58-63 Physical and chemical data. CCOFI Cruise 5707 (MLR 98) 8 July - 3 August 1957 and CCOFI Cruise 5708 (MLR 99) 9-27 August 1957. August 1958. 100p.

58-64 Physical and chemical data. CCOFI Cruise 5709 (MLR 100) 4-21 September 1957, CCOFI Cruise 5710 (MLR 101) 4 October - 8 November 1957, CCOFI Cruise 5711 (MLR 102) 16-25 November 1957 and CCOFI Cruise 5712 (MLR 103) 12-20 December 1957. September 1958. 91p.

58-65 Physical and chemical data. CCOFI Cruise 5403 (MLR 58) 3 March - 5 April 1954 and CCOFI Cruise 5404 (MLR 59) 7 April - 13 May 1954. September 1958. 101p.

58-66 Preisendorfer, Rudolph W. Photic field theory for natural hydrosols. September 1958. Visibility Laboratory. 20p. AD 206113

58-67 Classified

58-68 Preisendorfer, Rudolph W. and James L. Harris. The contract transmittance distribution as a possible tool in visibility calculations. Visibility Laboratory. October 1958. 15p. AD 212697.

58-69 Preisendorfer, Rudolph W. and John Edwards Tyler. The measurement of light in natural waters; radiometric concepts and optical properties. November 1958. Visibility Laboratory. 95p. AD 212695.

* 58-70 Quarterly progress report. July - September 1958. ONR quarterly progress report No. 49. October 1958. 16p.

58-71 Island Observatories -- Pacific Program. Quarterly progress report No. 11. July - September 1958. April 1959. 7p.

58-72 Cancelled

58-73 Cancelled

58-74 Cancelled

58-75 Cancelled

58-76 Scripps Tuna Oceanography Research (STOR) Program. Quarterly progress report No.5. 1 July - 30 September 1958. November 1958. 17p.

58-77 Final report , contract Nonr-233(42) Project 281-007. ONR Earth Sciences. April 1959. 13p. AD 225715.

58-78 Shor, George G. Jr. and Russell W. Raitt. Seismic studies in the Southern California Continental Borderland. Marine Physical Laboratory. October 1958. 19p.

58-79 Preisendorfer,Rudolph W. and William Hadley Richardson. simple formulas for the volume absorption coefficient in asymptotic light fields. Visibility Laboratory. November 1958. 11p. AD 212742.

58-80 Tyler, John Edwards, William Hadley Richardson and Robert W. Holmes. The optical properties of Lake Pend Oreille. Visibility Laboratory. December 1958 . 25p. AD 212696.

58-81 Preisendorfer, Rudolph W. Theory of attenuation measurements in planetary atmospheres. Visibility Laboratory. December 1958. 37p. AD 212699.

58-82 Cancelled

58-83 Classified AD 305209

58-84 Physical and chemical data. CCOFI Cruise 5809 (MLR 112) 4-19 September 1958. December 1958. 30p.

58-85 Physical and chemical data. Chinook Expedition, 29 June-23 August 1956. Mukluk Expedition, 8 July to 26 August 1957, Downwind Expedition, 21 October 1957 - 28 February 1958. December 1958. 91p.

58-86 Downwind Expedition 1957-1958. List of cores and dredge samples. Copied from shipboard logs. May 1958. 28p.

58-87 Van Dorn, William G. Impulsively generated waves. Interim progress report. 1 August 1957 - 31 January 1958. February(?) 1958. 9p.

1959

59-1 Marine microbiology. Annual progress report NO. 12; 1 January - 31 December 1958. January 1959. 13p. AD 210127.

59-2 Preisendorfer, Rudolph W. Temporal metric spaces in radiative transfer theory. I. Temporal semimetrics. Visibility Laboratory. January 1959. 25p. AD 212698.

59-3 Physical and chemical data. CCOFI Cruise 5801, 8 January - 2 February 1958. January 1959. 60p.

59-4 Classified AD 305634L

59-5 Boileau, Almerian R. Correlation between measured path function and relative humidity. Visibility Laboratory. February 1959. 34p. AD 212741.

59-6 Cancelled

59-7 Preisendorfer, Rudolph W. Temporal metric spaces in radioactive transfer theory. II. Epoch times and characteristics functions. Visibility Laboratory. February 1959. 38p. AD 212700.

59-8 Physical and chemical data. CCOFI Cruise 5802, 7-24 February 1958 and CCOFI Cruise 5803, 27 February - 21 March 1958. February 1959. 54p.

59-9 Austin, Roswell W. Water clarity meter; operating and maintenance instructions. Visibility Laboratory. February 1959. 105p. AD 214036.

59-10 Preisendorfer, Rudolph W. Temporal metric spaces in radiative transfer theory. III. Characteristic spheroids and ellipsoids. Visibility Laboratory. February 1959. 40p. AD 214121.

59-11 Ensminger, Richard L. Multiplier phototube secondary emission characteristics. Visibility Laboratory. March 1959. 26p. AD 213773.

59-12 Preisendorfer, Rudolph W. A study of light-storage phenomena in scattering media. Visibility Laboratory. March 1959. 43p.

59-13 IGY Clipperton Island Expedition. Field report. Progress report; August - September 1958. May 1959. 9p.

59-14 Physical and chemical data. CCOFI Cruise 5804, 30 March 27 April 1958. March 1959. 75p.

59-15 Physical and chemical data. CCOFI Cruise 5405 (MLR 60) 5-24 May 1954. March 1959. 46p.

59-16 Physical and chemical data. CCOFI Cruise 5406 (MLR 61) 2-23 June 1954. March 1959 . 47p.

59-17 Preisendorfer, Rudolph W. Temporal metric spaces in radiative transfer theory. IV. Temporal diameters. Visibility Laboratory. March 1959. 18p. AD 214038.

59-18 Preisendorfer, Rudolph W. Temporal metric spaces in radiative transfer theory. V. Local temporal diameters. Visibility Laboratory. March 1959. 21p. AD 214039.

59-19 Preisendorfer, Rudolph W. On ground-based measurements of the optical properties of the atmosphere aloft. Visibility Laboratory . March 1959. 23p. AD 215891.

59-20 Preisendorfer, Rudolph W. Radiance bounds. Visibility Laboratory. AD 214037. March 1959. 16p.

59-21 Preisendorfer, Rudolph W. The universal radiative transport equation. Visibility Laboratory. March 1959. 52p.

59-22 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) program. Quarterly progress report No. 6; 1 October - 31 December 1958. May 1959. 16p.

59-23 Quarterly progress report. October - December 1958. ONR progress report NO. 50. April 1959. 17p.

59-24 Island observatories -- Pacific Program. Quarterly progress report No. 12; October - December 1958. April 1959. 4p.

59-25 Boileau, Almerian R. and Seibert Quimby Duntley. Photometry during Manhigh III balloon flight. Visibility Laboratory. April 1959. 11p. AD 215893.

59-26 Classified AD 316163

59-27 Classified AD 308786

59-28 Physical and chemical data. CCOFI Cruise 5805 (MLR 108) 3-22 May 1958. December 1958. 28p.

59-29 Physical and chemical data. CCOFI Cruise 5806, 4-26 June 1958. January 1959. 27p.

59-30 Preisendorfer, Rudolph W. Theoretical aspects of underwater photography. I.Graphical-numerical calculation of the luminance field about a submerged point source. Visibility Laboratory. June 1959. 27p. AD 228697.

59-31 Quarterly progress report No. 7. Scripps Tuna Oceanography Research (STOR) Program. May 1959. 21p.

59-32-1 Boileau, Almerian R. Atmospheric optical measurements during high altitude balloon flight, Part I. Visibility Laboratory. December 1959. 114p. AD 241255.

59-33 Physical and chemical data. CCOFI Cruise 5807, 30 June - 22 July 1958. Feburary 1959. 79p.

59-34 Quarterly progress report, January - March 1959. ONR Progress report NO. 51. June 1959. 20p.

59-35 Physical and chemical data. CCOFI Cruise 5407 (MLR 62) 7-23 July 1954. January 1959. 34p.

59-36 Physical and chemical data. CCOFI Cruise 5501 (MLR 68) 13-29 January 1955 and CCOFI Cruise 5502 (MLR 69) 9-23 February 1955. October 1958. 58p.

59-37 Physical and chemical data. CCOFI Cruise 5503 (MLR 70) 8-22 March 1955 and CCOFI Cruise 5504 (MLR 71) 5-22 April 1955. May 1959. 71p.

59-38 Classified AD 312025

59-39 Duntley, Seibert Quimby, John E. Tyler and John H. Taylor. Field test of a system for predicting visibility by swimmers from measurements of the clarity of natural waters. Visibility Laboratory. June 1959. 23p. AD 220356.

59-40 Classified

59-41 Preisendorfer, Rudolph W. On the direct measurement of the total scattering function. July 1959. 11p. AD 228698.

59-42 Physical and chemical data. CCOFI Cruise 5408 (MLR 63) 18 August - 10 September 1954. May 1959. 37p.

59-43 Physical and chemical data. CCOFI Cruise 5409 (MLR 64) 15 September - 17 October 1954 and CCOFI Cruise 5410 (MLR 65) 6-24 October 1954. 1 June 1959. 50p.

59-44 Physical and chemical data. CCOFI Cruise 5505 (MLR 72) 12 May - 7 June 1955. May 1959. 22p.

59-45 Physical and chemical data.CCOFI Cruise 5506 (MLR 73) 11-28 June 1955. May 1959. 65p.

59-46 Physical and chemical data. CCOFI Cruise 5507 (MLR 74) 8-23 July 1955. May 1959. 20p.

59-47 Physical and chemical data. CCOFI Cruise 5509 (MLR 76) 10-25 September 1955. May 1959. 27p.

59-48 Physical and chemical data. CCOFI Cruise 5808, 6-21 August 1958. March 1959. 17p.

59-49 Physical and chemical data. CCOFI Cruise 5810, 8 October-6 November 1958. April 1959. 93p.

59-50 Physical and chemical data. CCOFI Cruise 5811, 13-24 November 1958 and CCOFI Cruise 5812, 1-11 December 1958. April 1959. 41p.

59-51 Classified AD 313049

59-52 Preisendorfer, Rudolph W. The covariation of the diffuse attenuation and distribution functions in plane parallel media. Visibility Laboratory. July 1959. 36p. AD 231627.

59-53 Preisendorfer, Rudolph W. Radiative transfer on discrete spaces. Visibility Laboratory. August 1959. 49p. AD 288088.

* 59-54 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program. Quarterly progress report No. 8. 1 April - 30 June 1959. August 1959. 15p.

59-55 Preisendorfer, Rudolph W. Principles of invariance on discrete spaces. Visibility Laboratory. August 1959. 38p. AD 231634.

* 59-56 Island Observatories -- Pacific Program. Quarterly progress report No. 13. January - March 1959. October 1959. 22p.

59-57 Boileau, Almerian R. Optical contract reduction factors for downward looking cases. Visibility Laboraotry. October 1959. 9p. AD 231553.

59-58 Physical and chemical data. CCOFI Cruise 5901, 7-29 January 1959. September 1959. 80p.

* 59-59 Island Observatories -- Pacific Program. Quarterly progress report No. 14. April - June 1959. July 1959. 4p.

* 59-60 Island Observatories -- Pacific Program. Quarterly progress report No. 15. July - September 1959. October 1959. 4p.

* 59-61 Quarterly progress report, April - June 1959. ONR progress report No. 52. October 1959. 14p.

59-62 Morris, Ailene. Pattern target analysis. Part I. A theory. Part II. A psychophysical experiment. Visibility Laboratory. November 1959. 32p. AD 231629.

59-63 MPL quarterly progress report, July - September 1959. November 1959. 22p. AD 314165.

* 59-64 Final report, Contract Nonr-233(04), Project NR 083-068, Geophysics branch, ONR. October 1959. 31p. AD 230492.

59-65 Harris, James L. A possible criterion for visual recognition thresholds. Visibility Laboratory. November 1959. 19p. AD 231633.

59-66 Preisendofer, Rudolph W. Theory of polarized light fields in discrete spaces. Visibility Laboratory. November 1959. 34p. AD 231628.

59-67 Preisendorfer, Rudolph W. Radiative transfer on a linear lattice. Visibility Laboratory. November 1959. 50p. AD 231631.

59-68 Preisendorfer, Rudolph W. Radiative transfer on a cubed lattice. Visibility Laboratory. December 1959. 98p. AD 231632.

59-69 Morris, Ailene. Predicting the detection range of a target in a moving field of view; a review of relevant research published prior to 1957. Visibility Laboratory. December 1959. 22p. AD 231630.

59-70 Preisendorfer, Rudolph W. Plane-source generated light fields in discrete spaces. Visibility Laboratory. December 1959. 40p. AD 231554.

59-71 Preisendorfer, Rudolph W. Two fundamental methods of solving point-source problems in discrete-space radiative transfer theory. Visibility Laboraotry. December 1959. 86p. AD 231556.

59-72 Preisendorfer, Rudolph W. Markov chains and radiative transfer. Visibility Laboratory. Decmeber 1959. 17p. AD 231552.

59-73 Preisendorfer, Rudolph W. The principles of invariance for directly observable irradiances in plane-parallel media. Visibility Laboratory. December 1959. 24p. AD 231555.

59-74 Confidential AD 322349.

59-75 Preisendorfer, Rudolph W. The axiomatic basis of the principles of radiative transfer theory. Visibility Laboratory. December 1959. 16p. AD 231551.

* 59-76 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program. Quarterly progress report No. 9. 1 July-30 September 1959. December 1959. 18p.

* 59-77 Quarterly progress report, July - September 1959. ONR progress report No. 53. December 1959. 17p.

59-78 Research on the geomorphology of Mexican coastal Lagoons. Status report. December 1959. 3p.

59-79 Cancelled

59-80 Rochester, Michael G. Geomagnetic westward drift and irregularities in the earth's rotation. Final report. July 1959. 58p. AD 220218.

59-81 Van Dorn, William G. Impulsively generated waves. August 1959. 80p.

59-82 Van Dorn, William G. Impulsively generated waves. Interim progress report. June - December 1958. January 1959 (?). 8p.

59-83 Van Dorn, William G. Impulsively generated waves. Interim progress report. January - September 1959. October (?) 1959. 9p.

1960

60-1 Physical and chemical data. CCOFI Cruise 5411 (MLR 66), 10-16 November 1954 and CCOFI Cruise 5412 (MLR 67), 30 November - 16 December 1954. 10 September 1959. 45p.

60-2 Physical and chemical data. CCOFI Cruise 5510 (MLR 77) 16-30 March 1955. June 1959. 49p.

60-3 Physical and chemical data. CCOFI Cruise 5511(MLR 78) 8-20 November 1955. July 1959. 25p.

60-4 Physical and chemical data. CCOFI Cruise 5512 (MLR 79) 29 November- 16 December 1955. July 1959. 47p.

60-5 Physical and chemical data. CCOFI Cruise 5601, 5-18 January 1956 and CCOFI Cruise 5602 3-21 February 1956. November 1959. 75p.

60-6 Physical and chemical data. CCOFI Cruise 5603, 4-19 March 1956 and CCOFI Cruise 5604, 5-27 April 1956. March 1960. 94p.

60-7 Hurley, Robert Joseph. The geomorphology of abyssal plains in the northeast Pacific Ocean. Marine Physical Laboratory February 1960. 109p. AD 238068

60-8 Quarterly progress report. Marine Physical Laboratory. October - December 1959. ONR. MPL. February 1960. 12p. AD 316449

60-9 Tyler, John E. Radiance distribution as a function of depth in the submarine environment. Part II. Overcast lighting with tables of radiance -K values for both overcast and sunny lighting conditions. Visibility Laboratory. February 1960. 22p. AD 240678.

* 60-10 Progress report . Isalnd Observatories -- Pacific Program. Quarterly progress report No. 16. October-December 1959. January 1960. 4p.

60-11 Summary of an engineering design of a remote underwater manipulator. Marine Physical Laboratory. Artemis report No. 6. 14p. AD 235059.

60-12 Duntley, Seibert Quimby, Almerian R. Boileau, James L. Harris and Jacqueline I. Gordon. Maps of sky luminance at various altitudes. Visibility Laboratory. February 1960. 9p. AD 240679.

60-13 Physical and chemical data. CCOFI Cruise 5902, 6-28 February 1959. October 1959. 48p.

* 60-14 Final report on Marine Microbiology. ONR. January 1960. 10p. AD 236847.

* 60-15 Scripps Tuna Oceanography Research (STOR) Program. Quarterly progress report No. 10. February 1960. 15p.

60-16 A compressed-scale system of portable visibility lights. Visibility Laboratory. March 1960. 39p. AD 241369.

60-17 Tyler, John E. On the effect of sun altitude on the horizonal distribution of natural light underwater. Visibility Laboratory. April 1960. 8p. AD 251820.

* 60-18 Quarterly progress report. ONR progress report No. 54. October - December 1959. April 1960. 19p.

60-19 Quarterly progress report. Marine Physical Laboratory. January - March 1960. May 1960. 29p. AD 317641.

60-20 Physical, chemical and biological data. Costa Rica Dome Cruise, 6 November - 14 December 1959. April 1960. 49p.

* 60-21 Scripps Tuna Oceanography Research (STOR) Program. Quarterly progress report No. 11. 1 January - 31 March 1960. 16p.

60-22 Boileau, Almerian R. Atmospheric optical measurements in Western Florida, Flight 112, Part I. Visibility Laboratory. April 1960. 67p. AD 241370.

60-23 Duntley, Seibert Quimby. Status of research on underwater photography by artificial light. Visibility Laboratory. April 1960. 10p. AD 251821.

60-24 Tyler, John E. Instrumentation for the measurement of the underwater light field and the determination of the optical properties of the sea. Visibility Laboratory. May 1960. 51p. AD 241371.

60-25 Taylor, John H. Visual contrast thresholds for large targets. Part I. The case of low adapting luminances. Visibility Laboratory. June 1960. 12p. AD 245104.

60-26 Anderson, Victor C. MPL experimental RUM. Artemis report No. 7. July 1960. Marine Physical Laboratory. 26p. AD 242720.

60-27 Surface water temperatures at shore stations, United States West Coast and Baja California 1956 -1959. September 1960. 102p.

* 60-28 Progress report. Island Observatories - Pacific Program. Quarterly progress report NO. 17. January - March 1960. June 1960. 4p.

60-29 Boileau, Almerian R. Some spectral sky radiances with different relative humidities. Visibility Laboratory. June 1960. 18p. AD 251822.

60-30 Temperature and salinity anomaly charts for twenty-four Canadian and American shore stations based on a common reference period. July 1960. 42p.

60-31 Taylor, John H. Visual contrast thresholds for large targets. Part II. The case of high adapting luminances. Visibility Laboratory. June 1960. 23p. AD 251823.

60-32 Boileau, Almerian R. Atmospheric optical measurements in western Florida, Flight 112, Part II. Sky luminances. Visibility Laboratory. June 1960. 91p. AD 246323.

60-33 Cancelled.

60-34 Physical and chemical data. CCOFI Cruise 5605, 4-22 May 1956. and CCOFI Cruise 5606, 26 May - 25 June 1956. April 1960. 83p.

60-35 Physical and chemical data. CCOFI Cruise 5607, 6-25 July 1956, CCOFI Cruise 5608, 7-19 August 1956, CCOFI Cruise 5609, 5-17 September 1956, CCOFI Cruise 5610, 27 September - 5 October 1956 and CCOFI Cruise 5611, 30 October - 5 November 1956. April 1960. 57p.

60-36 Physical and chemical data. CCOFI Cruise 5903, 11-28 March 1959. February 1960. 30p.

60-37 Physical and chemical data. CCOFI Cruise 5904, 7-26 April 1959. June 1960. 73p.

60-38 Physical and chemical data. CCOFI Cruise 5905, 6-27 May 1959. April 1960. 40p.

60-39 Physical and chemical data. CCOFI Cruise 5906, 3-30 June 1959. April 1960. 38p.

60-40 Physical and chemical data, CCOFI Cruise 5907, 9 July - 3 August 1959. July 1960. 77p.

60-41 Marine Physical Laboratory. Bibliography Subject Classification. 23p. AD 240420.

60-41A Marine Physical Laboratory. Bibliography supplement. September 1962. 21p. AD 289057.

60-42 Classified AD 251824

60-43 Richardson, William Hadley. Extraction and extension of matrices in computer calculations. Visibility Laboratory. June 1960. 7p.

60-44 Cancelled

60-45 Ensminger, Richard L. and James L. Harris. Feasibility study of a photoelectric system for detection of downed aviators. Visibility Laboratory. June 1960. 32p. AD 251825.

60-46 Richardson, William Hadley and Rudolph W. Preisendorfer. A computer treatment of radiative transfer on a cubic lattice (plane sources). Visibility Laboratory. June 1960. 79p.

60-47 Richardson, William Hadley. An adaptation of the method of probit analysis to psychophysical threshold data. Visibility Laboratory. June 1960. 18p. AD251826.

*60-48 Quarterly progress report. ONR Progress report No .55. January - March 1960. July 1960. 22p.

60-49 Harris, James L. A feasibility study of photoelectric anticollision systems. Visibility Laboratory. June 1960. 32p. AD 247536.

60-50 Scripps Tuna Oceanography Research (STOR) Program. Final report. June 21, 1957 - June 30, 1960. August 1960. 83p.

60-51 Physical and chemical data. Vermilion Sea Expedition. 13 April - 29 May 1959. 28 September 1960. 25p.

60-52 Marine Physical Laboraotry. Quarterly progress report. April - June 1960. August 1960. 26p.

*60-53 Quarterly progress report. ONR Progress report No.56. April - June 1960. September 1960. 18p.

60-54 Gibson, Daniel K. and Victor C. Anderson. Artemis remote indicating Savonius rotor current meter. Artemis report No. 13. November 1960. 15p. AD 248049.

60-55 Boileau, Almerian R. Atmospheric optical measurements in western Florida, Flight 112, Part III. Sky radiances (blue). Visibility Laboratory. November 1960. 92p. AD 251827.

60-56 Boileau, Almerian R. Atmospheric optical measurements in western Florida, Flight 112, Part IV. Sky radiances (red). Visibility Laboratory. November 1960. 94p. AD 251828.

60-57 Duntley, Seibert Quimby. Measurements of the transmission of light from an underwater source having variable beam-spread. Visibility Laboratory. November 1960. 24p. AD 251829.

*60-58 Quarterly progress report. ONR progress report No.57. July - September 1960. Decmeber 1960. 12p.

60-59 Status report. Scripps Institution of Oceanography Arctic research program. November 1960. 3p.

60-60 Hubbs, Carl L., E. Patterson Shultz and Robert L. Wisner. Preliminary report on investigations of the effects on caged fishes of underwater nitro-carbonitrate explosions. May 1960. 23p.

60-61 Hubbs, Carl L. Preliminary report on expedition to Guadalupe Island, January 25 - February 1, 1960. 5p.

1961

61-1 Boileau, Almerian R. Atmospheric optical measurements during high altitude balloon flight, Part II. Sky luminances. Visibility Laboratory. July 1961. 99p. AD 264185.

61-2 Boileau, Almerian R. Atmospheric optical measurements during high altitude balloon flight, Part III, Sky radiances in the 400 to 500 millimicron region. Visibility Laboratory. July 1961. 99p. AD 267515.

61-3 Boileau, Almerian R. Atmospheric optical measurements during high altitude balloon flight, Part IV. Sky radiances in the 580-700 millimicron region. Visibility Laboratory. December 1961. 100p. AD 275261.

61-4 Becken, Bradford Albert. The directional distribution of ambient noise in the ocean. Marine Physical Laboratory. March 1961. 61p. AD 255082.

61-5 Tyler, John E. Measurement of the scattering properties of hydrosols. Optical Society of America. Journal, v. 51, no. 11, November 1961. pp. 1289-1293. (also, SIO Contribution 1320) Visibility Laboratory.

61-6 Rasmussen, Robert Arvid. Resonance absorption in solid cyclohexane. Marine Physical Laboratory. April 1961. 49p. AD 258259.

61-7 Tyler, John E. Scattering properties of distilled and natural waters. Limnology and Oceanography, v.6 No. 4, October 1961. pp. 451-456. (also, SIO Contribution 1319) Visibility Laboratory.

61-8 Quarterly progress report No. 58. On research sponsored by ONR Earth Sciences Division. February 1960. 39p.

61-9 Preliminary report, Step-I Expedition, 15 September - 14 December 1960. Part 1. Physical and chemical data. January 1961. 59p.

61-10 Taylor, John H. Contrast thresholds as a function of retinal position and target size for the light-adapted eye. Visibility Laboratory. March 1961. 22p. AD 296243.

61-11 Lewin,Joyce C. Final report, Contract Nonr-3221(00). Biology Branch, ONR. April 1961. 11p. AD 256334.

*61-12 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) program. Half-yearly progress report. July 1 - December 31, 1960. 24p.

61-13 Schmucker, Ulrich. Annual progress report deep anomalies in electrical conductivity. Marine Physical Laboratory. July 1960. 24p. AD 258260.

61-14 Surface water temperatures at shore stations, United States West Coast and Baja California, 1960, including surface salinities from several stations and five-meter temperatures and salinities at Scripps Pier. April 1961. 47p.

61-15 Classified AD 334574L

61-16 Gordon, Jacqueline I. Concealment design by engineering methods. Visibility Laboratory. June 1961. 28p. AD 260250.

*61-17 Quarterly progress report No. 59. On research sponsored by ONR Earth Sciences Division. May 1961. 18p.

61-18 Preliminary report, Step I expedition, 15 September - 14 December 1960. Part II. Biological, photometric and additional chemical data. June 1961. 77p.

61-19 Physical and chemical data. CCOFI Cruise 5908, 13-31 August 1959 and CCOFI Cruise 5909, 9 September - 1 October 1959. September 1961. 101p.

61-20 Physical and chemical data. CCOFI Cruise 5910, 8-30 October 1961. April 1961. 78p.

61-21 Physical and chemical data. CCOFI Cruise 5911, 16-25 November 1959, and CCOFI Cruise 5912, 9-19 December 1959. April 1961. 45p.

61-22 Physical and chemical data. CCOFI Cruise 5612, 24 November - 21 December 1956. April 1961. 42p.

61-23 Physical and chemical data. CCOFI Cruise 6001, 8 January - 13 February 1960. June 1961. 103p.

61-24 Physical and chemical data. CCOFI Cruise 6101-2, 5 January - 20 February 1961. June 1961. 76p.

61-25 Quarterly progress report No. 60. On research sponsored by ONR Earth Sciences Division. April - June 1961. August 1961. 24p.

61-26 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program. Report for the year. July 1, 1960 - June 30, 1961. August 1961. 40p.

61-27 Fean, Catharine R. Seasonal survey of average cloudiness conditions over the Atlantic and Pacific Oceans. Visibility Laboratory. October 1961. 72p. AD 267488.

61-28 Classified

61-29 Quarterly progress report No. 61. On research sponsored by ONR Earth Sciences Division. July - September 1961. October 1961. 14p.

61-30 Rasmussen, Robert Arvid. A proposed expendable bathythermograph. Marine Physical Laboratory. February 1962. 10p.

61-31 Classified

61-32 Classified

61-33 Wyrtki, Klaus. Naga Report, Scientific results of marine investigations of the South China Sea and the Gulf of Thailand 1959-1961. V.2. Physical Oceanography of the southeast Asian waters. 1961. 198p.

1962

62-1 Classified

62-2 Quarterly progress report No. 62. On research sponsored by ONR Earth Sciences Division. October - December 1961. February 1962. 22p.

62-3 Physical and chemical data. CCOFI Cruise 6002, 11 February - 3 March 1960. August 1961. 40p.

62-4 Classified AD 331496

62-5 Physical and chemical data. CCOFI Cruise 6003, 10 - 29 March 1960. August 1961. 38p.

62-6 Physical and chemical data. CCOFI Cruise 6004, 29 March - 30 April 1960. August 1961. 98p.

62-7 Physical and chemical data. CCOFI Cruise 6005, 13 - 29 May, 1960. August 1961. 34p.

62-8 Physical and chemical data. CCOFI Cruise 6006, 14-30 June 1960. August 1961. 37p.

62-9 Physical and chemical data. CCOFI Cruise 6007-8, 15 July - 29 August 1960. May 1962. 58p.

62-10 Physical and chemical data. CCOFI Cruise 6008, 10-22 August 1960, CCOFI Cruise 6009, 9-21 September 1960 and CCOFI Cruise 6009-10, 22 September - 22 October 1960. May 1962. 89p.

62-11 Surface water temperatures at shore stations, United States West Coast and Baja California, 1961, including surface salinities from several stations and five-meter temperatures and salinities at Scripps Pier. April 1962. 41p.

62-12 Classified AD 331328

62-13 Richardson, William Hadley. A study of the factors affecting the sighting of surface vessels from aircraft. Visibility Laboratory. June 1962. 127p. AD 281809.

62-14 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program. July 1-December 31, 1961. Half-yearly progress report No. 1. 22p.

62-15 Physical and chemical data. CCOFI Cruise 6103, 8-13 March 1961, CCOFI Cruise 6104-5, 4 April - 12 May 1961 and CCOFI Cruise 6105, 17-29 May 1961. December 1961. 84p.

62-16 Physical and chemical data. CCOFI Cruise 6107-8, 12 July - 1 August 1961 and CCOFI Cruise 6108, 13-28 October 1961. July 1962. 85p.

62-17 Physical and chemical data. CCOFI Cruise 6109, 31 August - 19 September , 1961 and CCOFI Cruise 6110-11 10 October-12 November 1961. July 1962. 68p.

62-18 Cancelled

62-19 Cancelled

62-20 Cancelled

62-21 Taylor, John H. Practice effects in the performance of a simple visual discrimination task by initially naive observers. Visibility Laboratory. October 1962. 23p. AD 600908.

62-22 Marine Physical Laboratory Interim Status Report. Marine Physical Laboratory. September 1962. 18p. AD 289089.

62-23 Physical and chemical data. CCOFI Cruise 6207-8, 10 July - 29 August 1962. October 1962. 51p.

62-24 Bronson, Earl D. and Larry R. Glosten. FLIP, floating instrument platform. Marine Physical Laboratory. November 1962. 25p. AD 290756.

62-25 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program. Report for the year. July 1, 1961 - June 30, 1962. October 1962. 31p.

62-26 Physical and chemical data. CCOFI Cruise 6201-2, 12 January - 19 February, 1962. November 1962. 63p.

62-27 Results of current measurements with drogues, 1958-1961. Data report. December 1962. 68p.

62-28 Cancelled

62-29 Final report, Contract Nonr-2216(06) , NR 307-253, concerning Arctic studies, data collection and reduction. December 1962. 4p.

62-30 Fleming, Charles S. and Stephen E. Calvert. The piston immobilizer: a further modification to the piston corer. 12p.

1963

63-1 Squier, Earl D. Digital encoder and paper tape punch. Marine Physical Laboratory. February 1963. 8p.

63-2 Gordon, Jacqueline I., James L. Harris and Seibert Quimby Duntley. Earth-to-space contrast transmittance measurements from ground stations. Visibility Laboratory. January 1963. 25p. AD 600909.

63-3 Taylor, John H. Contrast thresholds as a function of retinal position and target size for the light-adapted eye: II. Data supplement. Visibility Laboratory. February 1963. 16p. AD 600910.

63-4 Myers, Orlo E. Optical phenomena in planetary meteorology. Visibility Laboratory. August 1963. 47p. AD 600911.

63-5 Classified AD 335199L

63-6 Ecology of the Gulf of Thailand and the South China Sea: a report on the results of the Naga Expedition, 1959 - 1961. February 1963. 281p.

63-7 Oceanic research at Scripps Institution of Oceanography sponsored by the Office of Naval Research. Report for the year 1961-1962. March 1963. 82p.

63-8 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) program. Report for the half-year July 1, 1962 - December 31, 1962. (Also issued as IMR Reference 63-1) March 1963. 21p.

63-9 Physical and chemical data. CCOFI Cruise 6203-4, 15 March - 2 May, 1962. Marine Research Committee. February 1963. 73p.

63-10 Harris , James L. Restoration of atmospherically distorted images. Visibility Laboratory. March 1963. 112p. AD 404873.

63-11 Faughn, James L. Final report of Naga Expedition. March 1963. 49p.

63-12 Ensminger, Richard L. Report on the development of a colored teletype tape discrimination system. Visibility Laboratory. March 1963. 23p. AD 600912.

63-13 Mason, Ronald O. The equatorial electrojet in the central Pacific. Marine Physical Laboratory. May 1963. 32p. AD 409139.

63-14 Ground-based measurements of earth-to space beam transmittance, path radiance and contrast transmittance. Final report. Visibility Laboratory. May 1963. 56p. AD 404425.

63-15 Smith, Stuart M. A computer program for producing sound velocity and slope corrected bathymetric profiles. April 1963. 26p.

63-16 Cruise of the Esmeralda, 6 July - 20 August 1962. Preliminary report: temperature, salinity and primary production. August 1963. 50p. AD 421956.

63-17 Surface water temperatures at shore stations, United States west coast and Baja California, 1962, including surface salinities from several stations and five-meter temperatures and salinities at Scripps Pier. June 1963. 40p.

63-18 Rofen, Robert R. Handbook of the food fishes of the Gulf of Thailand. May 1963. 238p. plus 82 photos.

63-19 Marine Physical Laboratory interim status report, 1962. Marine Physical Laboratory. June 1963. 20p. AD 411576.

63-20 Van Dorn, William G. and W. S. Montgomery. Water waves from 10,000 lb. high-explosive charges; final report Operation Hydra II-A. contract Nonr-2216(15). June 1963. 72p. AD 409274.

63-21 Uretsky, Jack L. The acoustical properties of compacted schools of fish. Marine Physical Laboratory. July 1963. 4p.

63-22 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) program. Report for the year, July 1, 1962 - June 30, 1963. (Also issued as IMR Reference 63-10) August 1963. 24p.

63-23 Gordon, Jacqueline I. Predicitons of sighting range based upon measurements of target and environmental properties (Final report). Visibility Laboratory. September 1963. 90p. AD 600855.

63-24 Cancelled

63-25 Physical and chemical data. CCOFI Cruise 6210-11, 5 October - 18 November 1962 and CCOFI Cruise 6212, 17-19 December 1962. Marine Research Committee. August 1963. 67p.

63-26 Anderson, Victor C. and W. R. Cherry. An acoustic array simulator. Marine Physical Laboratory. November 1963. 10p. AD 425134.

63-27 Cancelled

63-28 Cancelled

63-29 Clarke, William D. Field data for the Isaacs-Kidd Midwater Trawl collections of Scripps Institution of Oceanography. November 1963. 35p.

63-30 Annual report, ONR Earth Sciences Division. July 1962 - June 1963. November 1963. 108p. AD 427087.

63-31 Brown, Daniel M. Ocean current measurements with the parachute drogue. March 1963. 19p.

63-32 Austin, R. W. and John H. Taylor. Submarine visibility and related ambient light studies (Final report). Visibility Laboratory. December 1963. 89p.AD 600856.

64-1 Scripps Tuna Oceanography Research (STOR) Program. Report for the half-year July 1, 1963 - December 31, 1963. (Also issued as IMR reference 64-4) March 5, 1964. 19p.

64-2 Physical and chemical data. CCOFI Cruise 6301-2, 10 January - 23 February 1963; USCG Station November, 16 October-3 November 1962 and USCG Station November, 17 February - 9 March 1963. Marine Research Committee. March 5, 1963. 81p.

64-3 Duntley, Seibert Q. and Others. Visibility. April 1964. Visibility Laboratory. 160p. AD 443550.

64-4 Classified AD 350852.

64-5 Gordon, Jacqueline I. and Peggy V. Church. Directional luminous reflectances of objects and backgrounds for a moderately high sun. April 1964. Visibility Laboratory. 34p.

64-6 Surface water temperatures at shore stations, United States West Coast, 1963, including surface salinities from several stations and five-meter temperatures at Scripps Pier. 26 May 1964. 29p.

64-7 Gordon, Jacqueline I. and Others. Night aerial search for aviators downed at sea (optimum search procedures) June 1964. Visibility Laboratory. 115p. AD 603140.

64-8 McGlamery, Benjamin L. A system for measuring the quadratic content of television signals. September 1964. Visibility Laboratory. 33p. AD 606402.

64-9 Cancelled.

64-10 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program. Report for the year July 1, 1963 - June 30, 1964. (Also issued as IMR Reference 64-11) July 1964. 34p.

64-11 Annual report, ONR Earth Sciences Division. July 1963 - June 1964. November 1964. 122p. AD 609854.

64-12 Ensminger, Richard L. Development of a colored teletype tape discrimination system. Final report. September 1964. Visibility Laboratory. 34p. AD 619213.

64-13 Physical and chemical data. CCOFI Cruise 6304, 9 April - 24 May, 1963; CCOFI Cruise 6306, 25-26 June 1963 and USCG Station November , 12 May - 2 June 1963. Marine Research Committee. March, 1964. 91p.

64-14 Shor , George G., Jr. and others. Measurements of coral thickness at Midway Lagoon..Final report. Marine Physical Laboratory. November 1, 1964. 32p. AD 455540.

64-15 Classified AD 361337

64-16 Anderson, Victor C. and H. A. O'Neal. Manipulators and special devices. Project SEABED. Marine Physical Laboratory. July 31, 1964. 14p. AD 609490.

64-17 Classified AD 356627

64-18 Physical and chemical data. CCOFI Cruise 6307, 10 July-8 August 1963 and CCOFI Cruise 6309, 3-29 September 1963. May 1964. Marine Research Committee. 58p.

64-19 Fisher, Robert L., ed. Preliminary results of Scripps Institution of Oceanography Investigations in the Indian Ocean during Expeditions Monsoon and Lusiad, 1960 - 1963. June 1964. 298p. AD 610460.

1965

65-1 Physical and chemical data . CCOFI Cruise 6310, 2-29 October 1963, CCOFI Cruise 6311, 28-29 November 1963 and CCOFI Cruise 6311 (El Golfo), 9 November - 7 December 1963. Marine Research committee. October 1964. 61p.

65-2 Gordon, Jacqueline I. and Peggy V. Church. Directional luminous reflectances of objects and backgrounds under overcast skies. Visibility Laboratory. June 1965. 15p. AD 468930.

65-3 Brown, Daniel M. Results of current measurements with drogues, 1963-1964. February 1965. 45p.

65-4 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program. Report for the half-year July 1 1964 - December 31, 1964. (Also issued as IMR 65-5) February 11, 1965. 24p.

65-5 Isaacs, John D. and others. Development and testing of taut-nylon moored instrument stations(with details of design and construction) April 15, 1965. 90p. AD 614427.

65-6 Anderson, Victor C. and others. Electronic components at 10,000 PSI. Marine Physical Laboratory. May 1, 1965. 193p.

65-7 Physical and chemical data. CCOFI Cruise 6401, 10 January - 4 March 1964. Marine Research Committee. April 5, 1965. 102p.

65-8 Smith, Stuart M. World-wide ocean depths and continental elevations averaged for areas approximating one degree squares of latitude and longitude. March 1966. 14p. AD 632530.

65-9 Surface water temperatures at shore stations, United States west coast 1964, including surface salinities from several stations and five-meter temperatures and salinities at Scripps Pier. Marine Research Committee. May 1965. 24p.

65-10 Boileau, Almerian R. and Jacqueline I. Gordon. Atmospheric properties and reflectances of objects and backgrounds for a low sun. Visibility Laboratory. June 1965. 28p. AD 468931.

65-11 Squier, Earl D. An eight-channel scanning digitizer. Marine Physical Laboratory. June 1965. 7p. AD 465430.

65-12 Bronson, Earl D. and Larry R. Glosten. FLIP,FLoating Instrument Platform. Marine Physical Laboratory. July 1965. 25p. AD 624601.

65-13 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program. Report for the year July 1, 1964 - June 30, 1965. (Also issued as IMR Reference 65-16) July 1965. 38p.

65-14 Physical and chemical data. Zigpac II (6106), 11-18 June 1961, Leapfrog Expedition, 30 July - 5 September 1961 and Raja Bank,11-22 August 1961. June 1965. 18p.

65-14A Snyder, H. George and Abraham Fleminger. A catalogue of zooplankton samples in the marine invertebrate collections of Scripps Institution of Oceanography. October 1965. 191p.

65-15 Experimental tests of the effect of backscatter suppression on the performance of a theodolite missile azimuth control. Visibility Laboratory. August 1965. 44p.

65-16 Cancelled.

65-17 Annual report, ONR Earth Sciences Division. July 1964-June 1965. November 1965. 112p. AD 624826.

65-18 Physical and chemical data. CCOFI Cruise 6410, 2 October - 1 November 1964 and USCG Station November, 6-26 September 1964. Marine Research Committee. October 1965. 38p.

65-19 Cancelled

1966

66-1 Physical, chemical, current measurement and biological data; Swan Song Expedition; 21 August - 1 December 1961. September 1965. 143p.

66-2 Physical and chemical data; Gulf Cal; 18 October - 10 November 1961. October 1965. 22p.

66-3 Anderson, Victor C., Michael S. Loughridge and John D. Mudie. MPL participation in SEALAB II. Marine Physical Laboratory. February 1966. 42p. AD 631260.

66-4 Physical and chemical data; CCOFI Cruise 6501; 6 January - 18 February 1965. December 1965. 163p.

66-5 Progress report; ONR oceanic research. June 1965 - July 1966. March 1967. 97p. AD 653434.

66-6 Cancelled

66-7 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program. Report for the half-year July 1, 1965 - December 31, 1965. (Also issued as IMR Reference 66-6) March 1966. 23p.

66-8 Surface water temperatures at shore stations, United States West Caost, 1965, including surface salinities from several stations and five-meter temperatures and salinities at Scripps Pier. April 1966. Marine Research Committee. 24p.

66-9 Classified AD 374981

66-10 McGlamery, Benjamin L. An image restoration experiment on turbulence - degraged images. Visibility Laboratory. July 1966. 17p.

66-11 Van Dorn, William G. Theoretical and experimental study of wave enhancement and runup on uniformly sloping impermeable beaches. Final report. May 1966. 125p. AD 636225.

66-12 Squier, Earl D. Flip, acoustical self-noise. Marine Physical Laboratory. July 1966. 9p. AD 636923.

66-13 Bailey, J. C. Visual search in complex fields, progress report. Visibility Laboratory. June 1966. 21p.

66-14 Frazer, J. Z., R. W. Fitzgerald and A. M. Reid. Computer programs EMX and EMX2 for electron microprobe data processing. (With the Institute for the Study of Matter). June 1966. 70p.

66-15 Miller, Julian K. Biomass determinations of selected zooplankters found in the California Cooperative Oceanic Fisheries Investigations. Marine Life Research. June 1966. 16p.

66-16 Physical and chemical data. Risepac Expedition; 7-23 December 1961; PROA Expedition; 12 April - 6 July 1962; and ZEPHYRUS Expedition; 12 July - 26 September 1962. 46p.

66-17 Duntley, S. Q., R. W. Austin, J. H. Taylor and J. L. Harris. Visual acuity and astronaut visibility; manned space flight experiment S-8/D-13; Gemini V and Gemini VII missions. Visibility Laboratory. July 1966. 44p. AD 662690.

66-18 Isaacs, John D. and Daniel M. Brown. Isaacs-Brown opening, closing trawl. July 1966. 39p. AD 636944.

66-19 Paulling, J. R., Jr. and Maxwell Silverman. Model studies for an oceanographic ship derived from an offshore supply vessel. August 1966. 42p. AD 637838.

66-20 Physical and chemical data. CCOFI Cruise 6404; 10 April - 1 May 1964 and CCOFI Cruise 6407; 15 June - 4 August 1964. September 1966. 130p.

66-21 Classified.

66-22 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program, report for the year; July 1, 1965 - June 30, 1966. (Also issued as IMR Reference Number 66-13). November 1966. 30p.

66-23 McGowan, John A. and Daniel M. Brown. A new opening-closing paired zooplankton net. Marine Life Research Program. November 1966. 63p. AD 645633.

66-24 Physical and chemical data. Boreas Expedition; 27 January - 1 April 1966 (with some data from other parts of the Zetes Expedition). 185p. AD 644431.

66-25 Anderson, Victor C. Final report; Contract Nonr-2216(07); 1 November, 1958 - 30 September 1963. Marine Physical Laboratory. December 1966. 11p.

1967

67-1 Ensminger, Richard L. and Robert F. Howarth. Photocathode protection circuit. Visibility Laboratory. January 1967. 3p.

67-2 Boileau, Almerian R. and Floyd D. Miller. Changes in spectral sensitivity of multiplier phototubes resulting from changes in temperature. Visibility Laboratory. Janaury 1967. 11p. AD 828981.

67-3 Taylor, John H. Visual performance on the moon. Visibility Laboratory. January 1967. 8p.

67-4 Gibson, D. K. and R. P. Lewis. Transducer calibration facility at San Vicente Lake. Marine Physical Laboratory. January 1967. 53p.

67-5 Physical, chemical and biological data; Ursa Major Expedition; 4 August - 4 October 1965. 1967. 71p.

67-6 Folsom, T. R., W. E. Weitz, and J. M. Moore. Automatically converting a standard numerical strip printer so as to combine two-dimensional pulse analyzer information into a convenient page. January 1967. 34p.

67-7 Folsom, T. R. Studies of background radioactivity levels in the marine environment near Southern California. (Also issued as IMR Reference Number 67-3). Institute of Marine Resources. February 1967. 42p.

67-8 Raitt, R. W., G. G. Shor, Jr., T. J. G. Francis and G. B. Morris. Anisotropy of the Pacific Upper Mantle. Marine Physical Laboratory. November 1967. 44p. AD 662406.

67-9 Surface water temperatures at shore stations; United States West Coast; 1966; including surface salinities from several stations and five-meter temperatures and salinities at Scripps Pier. April 1967. 21p.

67-10 Cancelled

67-11 Tyler, John E. Investigation of errors in the measurement of radiant energy for correlation with primary productivity. Visibility Laboratory. May 1967. 12p. AD 651922.

67-12 Anderson, Victor C. and W. R. Cherry. Precision hydrophones for the null steering array. Marine Physical Laboratory. May 1967. 31p.

67-13 Physical, chemical and biological data; Cruise TEMPO (TO-62-1) August 1962. (Also issued as IMR Reference Number 67-15) Institute of Marine Resources. 1967. 91p.

67-14 Arrhenius, G. Deep sea sedimentation; a critical review of U. S. work; 1963 - 1967. 1967. 26p.

67-15 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program report for the half-year July 1, 1966 - December 31, 1966. (also issued as IMR Reference Number 67-16). Institute of Marine Resources. June 1967. 25p.

67-16 Physical and chemical data; CCOFI Cruise 6504; 31 March-24 April 1965, and CCOFI Cruise 6505 (El Golfo II) 14 May - 17 June 1965. 1967. 52p.

67-17 Physical and chemical data; CCOFI Cruise 6507; 15 June - 11 August 1965 and CCOFI Cruise 6509; 31 August - 25 September 1965. 1967. 152p.

67-18 Filloux, Jean H. Oceanic electric currents, geomagnetic variations and the deep electrical conductivity structure of the ocean-continent transition of Central California. June 1967. 166p. AD 657935.

67-19 Folsom, T. R., J. N. Johnson and D. R. Young. Zeolites in sea water; a brief summary of findings at SIO concerning use of Zeolites in sea water for concentrating fallout traces. April 1963. 7p.

67-20 Folsom, T. R., C. Sreekumaran, W. E. Weitz, Jr. and D. A. Tennant. A flame photometer for small amounts of cesium. May 1967. 35p.AD659210.

67-21 Folsom, T. R., and C. Sreekumaran. Survey of downward penetration of fallout in the ocean by in situ absorption. 1967. 12p.

67-22 Folsom, T. R. and C. Sreekumaran. The Urechis program: Rapid survey of fallout cesium in the ocean. 1967. 17p.

67-23 Barkdoll, Ivan Harry. Computerized visibility calculations maximum sighting range program. Visibility Laboratory. July 1967. 122p.

67-24 Physical, chemical, and biological data; Cruise TO-60-1, May 1960. (Also issued as IMR Reference Number 68-1) Institute of Marine Resources. July 1967. 41p.

67-25 Classified AD 383568L

67-26 Boileau, Almerian R. Atmospheric optical measurements in central Colorado in connection with long range oblique photography. August 1967. 20p. AD 820386

67-27 Edgerton, Catharine Fean. Relationship between meteorological conditions and optical properties of the atmosphere. August 1967. 25p. AD 820387.

67-28 Cox, Charles. The relation of backscattered radiation to wind-stress at the sea surface. October 1967. 30p. AD 814839.

67-29 Frazer, Jane Z. A computer fit to mass absorption coefficient data. Institute for the Study of Matter. 1967. 37p.

67-30 Hanor, Jeffrey S. Frequency distribution of compositions in the Barite-Celestite series. 1967. 6p.

67-31 Cancelled

67-32 Progress report (July 1966 - July 1967) Research sponsonred by Office of Naval Research. November 1967. 139p.

67-33 Cancelled

67-34 Van Dorn, William G., Peter W. Hacker and Ronald K. Lam. Circulation around oceanic Islands; summary report for period 1/2/67 to 9/30/67. 1967. 26p.

67-35 Lewin, Ralph A. Nordic Council for Marine Biology Summer Course; Shore Microbiology, Tvarminne Zoological Station, Finland. August 1967. 30p.

1968

68-1 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program report for the year July 1, 1966 - June 30, 1967. (also issued as IMR Reference Number 68-5). December 1967. 32p.

68-2 Loughridge, Michael S. Fine-scale topography and magnetic anomalies of the deep sea floor off Southern California. Marine Physical Laboratory. January 1968. 64p. AD 667712.

68-3 Physical and chemical data; CalCOFI Cruise 6601; 12 January - 7 February; CalCOFI Cruise 6602; 15 February - 6 March; CalCOFI Cruise 6604; 26 March - 3 May; CalCOFI Cruise 6605; 5-29 May; Special Cruise 6605; 11-14 May and CalCOFI Cruise 6606; 12 June - 1 July . 1968. 123p.

68-4 Inman, D. L., R. J. Tait, P. D. Komar and C. E. Nordstrom. Dispersion of water and sediment in the surf zone. First annual report. January 1968. 54p.

68-5 Mechanics of sediment transport by waves and currents. Quarterly progress report No. 9. 1 October - 31 December 1967. 1968. 18p.

68-6 Duntley, S. Q., R. W. Austin, J. L. Harris, and J. H. Taylor. Experiments on visual acutiy and the visibility of markings on the ground on long-duration earth-orbital space flight. Visibility Laboratory. January 1968. 225p.

68-7 Classified AD 390227

68-8 Cancelled

68-9 Petzold, T. J. and R. W. Austin. An underwater transmissometer for ocean survey work. Visibility Laboratory. April 1968. 6p. AD 669232.

68-10 Mechanics of sediment transport by waves and currents. Quarterly progress report. No. 10. 1 January - 30 March 1968. 1968. 6p.

68-11 Austin, Roswell W. and Richard W. Loudermilk. An oceanographic illuminometer for light penetration and reflection studies. Visibility Laboratory. July 1968. 11p. AD 671831

68-12 Hendershott, M. C. Inertial oscillations of tidal period. 1968. 142p.

68-13 Gordon, Jacqueline I. and Peggy V. Church. An example of an early technique for visibility calculations. Visibility Laboratory. June 1968. 40p. AD 672355.

68-14 Physical, chemical and current measurement data, Lusiad Expedition; 15 May 1962 - 15 August 1963. 1968. 296p. AD 671889.

68-15 Duntley, S. Q., J. L. Harris, and R. W. Austin. An apparatus for the measurament of an effect of atmospheric boil (the shimmer meter). Visibility Laboratory. July 1968. 46p. AD 837417.

68-16 Cancelled

68-17 Evans, Martha W., Richard A. Schwartzlose and John D. Isaacs. Data from deep moored instrument stations. June 1968. 141p. AD 673006.

68-18 Boileau, Almerian R. Atmospheric optical measurements in the vicinity of Crater Lake, Oregon. Part I. Visibility Laboratory. July 1968. 19p. AD 673298.

68-19 Boileau, Almerian R. Atmospheric optical measurements in the vicinity of Crater Lake, Oregon. Part II. Visibility Laboratory. July 1968. 25p. AD 673443.

68-20 Research on the Marine Food Chain. Progress report; January 1967 - June 1968; Part III Data Record, Coastal Plankton Survey 1967; Section 1, Chemistry and productivity. (Also issued as IMR Reference Number 68-8) 1968. 96p.

68-21 Physical and chemical data; CalCOFI Cruise 6607, 8-29 July; CalCOFI Cruise 6608, 5-25 August; Special Cruise 6608, 27 August - 1 September and CalCOFI Cruise 6609, 7-24 September. 1968. 106p.

68-22 Surface water temperatures at shore stations, United States west coast 1967. June 1968. 26p.

68-23 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program, report for the half-year; July 1, 1967 - December 31, 1967. (Also issued as IMR Reference Number 69-1) June 30, 1968. 19p.

68-24 Boileau, Almerian R. Determination of path radiance for downward path of sight from ground-based or low-altitude measurement. Visibility Laboratory. October 1968. 4p. AD 677115.

68-25 Bronson, Earl D. and Larry R. Glosten. FLIP, FLoating Instrument Platform. (Revision of SIO Reference Number 65-12). Marine Physical Laboratory. August 1968. 26p. AD 675216.

68-26 Mechanics of sediment transport by waves and currents, quarterly progress report No. 11; 1 April - 30 June 1968. n. d. 9p.

68-27 Dispersion of water and sediment in the surf zone. Progress report No. 4. June 1968. 3p.

68-28 Zalkan, Robert L. Observation of high frequency internal waves in the Pacific Ocean. Marine Physical Laboratory. September 1968. 34p. AD 679682.

68-29 Smith, Raymond C. and John E. Tyler. Spectral irradiance data obtained during WG-15 sea trials in the Gulf of California, May 5 to May 16 , 1968. Visibility Laboratory August 1968. 30p.

68-30 Richardson, William Hadley. Empirical sweep width analysis (air to surface). Visibility Laboratory. October 1968. 48p. AD 677281

68-31 Classified AD 394471

68-32 Tyler, John E. and Wayne Wilson. Measurement of the absorption coefficient of hydrosols. Visibility Laboratory. November 1968. 14p. AD 677932.

68-33 Folsom, T. R. and R. Grismore. Accounting for yield and reagent contaminations in analyses of cesium by flame spectrometers. October 1968. 8p.

68-34 Folsom, T. R. and R. Grismore. Estimating counting precision in multichannel gamma spectrometry. October 1968. 8p.

68-35 Grismore, Roger. Estimates of the cosmic-ray-induced background in the new 4 π detector at SIO. March 1968. 6p.

68-36 Mechanics of sediment transport by waves and currents. Quarterly progress report No. 12. 1 July - 30 September 1968. October 1968. 7p.

68-37 Grismore, R. , W. E. Weitz, Jr. and T. R. Folsom. Internal energy standardization of multichannel gamma-ray spectra by use of the 0.511 MeV annihilation and K^{40} peaks. n. d. 15p.

68-38 Research on the Marine Food Chain. Progress report, January 1967 - June 1968. Part IV. Data record, coastal plankton survey 1967; Section II. The plankton. (also issued as IMR Reference Number 69-3). July 1968. 409p.

68-39 Grismore, R., T. R. Folsom, J. M. Moore and W. E. Weitz, Jr. The moving ocean computer program (MOCEAN). n. d. 10p.

68-40 Loughridge, Michael S. and F. N. Spiess. Deeply-towed echo-sounder reconnaissance of a fleet tactical range site. Marine Physical Laboratory. November 1968. 13p. AD 680908.

68-41 Eigen, M. and K. Tamm. Sound absorption in electrolyte solutions due to chemical relaxation. Parts 1 and 2. Translation. Marine Physical Laboratory. October 1968. 96p.

68-42 Frazer, J. Z. and A. M. Reid. Routine derivation of lattice parameters from divergence diffraction. n.d. 19p.

68-43 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program report for the year; July 1, 1967 - June 30, 1968. (Also issued as IMR Reference Number 69-5) 30p.

68-44 Loughridge, Michael S. and F. N. Spiess. Abyssal hill slope distributions and sonar bearing errors. Marine Physical Laboratory. November 1968. 6p.

68-45 Progress report. Research sponsonred by Office of Naval Research. July 1967 - June 1968. 105p.

SCRIPPS INSTITUTION OF OCEANOGRAPHY

REFERENCE NUMBERS

1969

69-1 Physical and chemical data; LIMBO Expedition; 16 May - 28 June 1960: TETHYS Expedition; 16 June - 17 August 1960: MONSOON Expedition; 26 August 1960 - 18 April 1961. 58 p.

69-2 Physical and chemical data; CalCOFI Cruise 6610; 8 - 27 October 1966: Special Cruise 6611; 10 - 13 November 1966 and CalCOFI Cruise 6612; 2 - 19 December 1966. 99p.

69-3 Mechanics of sediment transport by waves and currents; quarterly progress report No. 13. 1 October - 31 December 1968. 3p.

69-4 Physical, chemical and biological data; Cruise TO-64-1; June 1964 and Cruise TO-64-2; August 1964. March 1969. 83p. (also issued as IMR 69-8).

69-5 Smith, Raymond C. and Roswell W. Austin. An underwater radiance distribution camera system. Visibility Laboratory. April 1969. 22p. AD 688 196.

69-6 Evans, M. W., R. A. Schwartzlose, A. M. Tubbs and P. W. Walker. Data from deep moored instrument stations; Volume 2. September 1969. 100p. AD 698 314.

69-7 Mechanics of sediment transport by waves and currents; quarterly progress report No. 14; 1 January - 31 March 1969. 4p.

69-8 Physical and chemical data; CalCOFI Cruise 6707; 19 June - 20 July 1967 and CalCOFI Cruise 6712; 5 - 20 December 1967. 96p.

69-9 Scripps Tuna Oceanography Research (STOR) Program report for the half-year July 1, 1968 - December 31, 1968. May 1969. 21p. (also issued as IMR 69-10).

69-10 Inman, D. L., R. J. Tait, P. D. Komar and C. E. Nordstrom. Dispersion of water and sediment in the surf zone. December 1968. 119p.

69-11 Rasmussen, Robert A. Studies related to the design and use of time/bearing sonar displays. May 1969. Marine Physical Laboratory. 11p AD 690 540.

69-12 Mechanics of sediment transport by waves and currents; quarterly progress report No. 15; 31 March - 30 June 1969. 8p.

69-13 Bibliography of the SIO Reference Series 1945 - 1968. July 1969. 75p. AD 856-060.

69-14 Surface water temperatures at shore stations; United States West Coast, 1968. July 1969. 21p.

69-15 Physical and chemical data from the SCORPIO Expedition in the South Pacific Ocean; USNS ELTANIN, Cruises 28 and 29; 12 March - 31 July 1967. (done with Woods Hole Oceanographic Institution and Massachusetts Institute of Technology) (also issued as WHOI 69-56) 96p.

69-16 Robinson, Margaret K. and Edythe M. Drollinger. Bibliography of reports based on bathythermograph temperature data. August 1969. 110p. AD 864 442.

69-17 Chung, Y., M. L. Bell, J. G. Sclater and C. Corry. Temperature data from the Pacific abyssal water, from the CIRCE, NOVA, SHOW, TRIPOD and ZETES expeditions. 105p.

69-18 Bronson, Earl D. and Larry R. Glosten. FLIP, Floating Instrument Platform. September 1969. 26p. AD 694 962.

69-19 Raff, A. D. Ridge-ridge transform faults - material and mechanical requirements. August 1969. 15p.

69-20 Gordon, Jacqueline I. Directional radiance (luminance) of the sea surface. October 1969. Visibility Laboratory. 53p. AD 697 268.

69-21 Reid, Arch M., Jane Z. Frazer and Hitoshi Fujita. Garnet Analysis. December 1969. 27p.

69-22 Taylor, John H. Factors underlying visual search performance. November 1969. Visibility Laboratory. 26 p. N 70 15387.

69-23 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program report for the year July 1, 1968 - June 30, 1969. October 1969. 32p. (also issued as IMR 70-1)

69-24 Hanor, J. S., G. W. Brass and R. W. Fitzgerald. Bulk chemical analysis of fine-grained sediments by electron excitation techniques. 1969. 13p.

69-25 Fitzgerald, R., J. S. Hanor, J. Frazer, H. Fujita and E. Hartlett. Report on energy dispersion X-ray fluorescence analysis. November 1969. 39p.

69-26 Morris, Gerald Brooks. Velocity anisotropy and crustal structure of the Hawaiian Arch. November 1969. Marine Physical Laboratory. 125p. AD 700 274.

69-27 Mechanics of sediment transport by waves and currents; quarterly progress report No. 16; 30 June - 30 September 1969. 8p.

69-28 McGlamery, Benjamin L., Madison L. Myers, Richard L. Ensminger and Robert F. Howarth. Progress in image processing techniques and equipment. November 1969. Visibility Laboratory. 81p. AD 698 359.

69-29 Normark, William Raymond. Growth patterns of deep sea fans. December 1969. Marine Physical Laboratory. 82p.

69-30 Grismore, R., T. R. Folsom and W. E. Weitz, Jr. A report of current progress on the moving ocean computer program (MOCEAN). November 1969. 8p.

69-31 Mechanics of sediment transport by waves and currents; quarterly progress report No. 1; 1 October - 31 December 1969. 8p.

70-1 Smith, Stuart M. and George Sharman. Digitized navigation, bathymetric and magnetic data in the Pacific Ocean from Scripps Institution of Oceanography and other sources. January 1970. 51p.

70-2 Advanced Ocean Engineering Laboratory Annual Report December 1968 - December 1969. Advanced Research Projects Agency report #2. January 1970. 15p.

70-3 Cancelled.

70-4 Reid, Arch M., Jane Z. Frazer, Hitoshi Fujita and Joel E. Everson. Chemical composition of the major phases in Apollo 11 Lunar Samples. February 1970. 63p.

70-5 Physical, chemical and biological data; Zetes Expedition, Leg 1, 11 - 24 January 1966. 1970. 98p.

70-6 Meyer, Charles, Jr. Sputter-condensation of silicates. 1970. 154p.

70-7 Duntley, Seibert Q., Richart W. Johnson, Jacqueline I. Gordon and Almerian R. Boileau. Airborne measurements of optical atmospheric properties at night. May 1970. Visibility Laboratory. 383p. AD 870 734.

70-8 Larson, R. L. and F. N. Spiess. Slope distributions of the East Pacific Rise Crest. Marine Physical Laboratory. March 1970. 5p. AD 704 410.

70-9 Inman, D. L. and William G. Van Dorn. Advanced nearshore engineering study. March 1970. 5p.

70-10 Liebertz, Paul. Index to SIO seismic data in the Pacific Ocean. Sea Grant Publication No. 1. 1970. 42p. PB 192 332.

70-11 Cancelled.

70-12 Haxo, Francis T. Photosynthetic action spectra of marine phytoplankton, 1966 - 1969. April 1970. 10p. AD 704 176.

70-13 Anderson, Victor C. and Daniel K. Gibson. RUM ORB operations January 1970. Sea Floor Technology report No. 1. Marine Physical Laboratory. April 1970. 26p. AD 707 342.

70-14 Luyendyk, B. P. Geological and geophysical observations in an abyssal hill area using a deeply towed instrument package. Marine Physical Laboratory. June 1970. 105p. AD 714 852.

70-15 Folsom, T. R. Final report contract Nonr-2216(22)- November 1, 1963 to October 31, 1969. April 1970. 20p. AD 704 877.

70-16 Cancelled.

70-17 Mechanics of sediment transport by waves and currents. Quarterly progress report No. 2; 1 January - 31 March 1970. 1970. 7p.

70-18 McGowan, John A., James T. Enright, E. W. Fager, M. A. Barnett, R. E. Davis, M. E. Silver and R. R. Warner. The ecology and oceanography of sewer outfalls. A seminar held at Scripps Institution of Oceanography, Spring 1969. 1970. 23p.

70-19 Born, R. M., D. M. Brown, J. D. Isaacs, R. A. Schwartzlose, and M. H. Sessions. Deep-moored instrument station design and performance 1967 - 1970. May 1970. 43p. AD 707 763.

70-20 Fitzgerald, R. and P. Gantzel. X-ray energy spectrometry in the 0.1 - 10Å range. May 1970. 41p.

70-21 Final report contract Nonr 2215 (05) 15 June 1958 - 15 November 1968. Marine Physical Laboratory. June 1970. 165p.

70-22 Larson, Roger Lee. Near-bottom studies of the East Pacific Rise crest and tectonics of the mouth of the Gulf of California. July 1970. Marine Physical Laboratory. 178p. AD 713 165.

70-23 Bibliography of the SIO Reference Series 1969. July 1970. 6p.

70-24 Mechanics of sediment transport by waves and currents. Quarterly progress report no. 3; 1 April - 30 June 1970. 1970. 6p.

70-25 Tyler, John E. Expedition report S.C.O.R. working group 15, Discoverer Expedition 1970. September 1970. 26p. Visibility Laboratory.

70-26 Surface water temperatures at shore stations United States West Coast 1969; including surface salinites from several stations and five-meter temperatures and salinities at Scripps Pier. August 1970. 23p.

70-27 Duntley, S. Q., C. F. Edgerton and T. J. Petzold. Atmospheric limitations on remote sensing of sea surface roughness by means of reflected daylight. September 1970. Visibility Laboratory. 117p. N 70-42184.

70-28 Physical and chemical data report; DODO Expedition; 5 August - 5 September 1964. 1970. 55p.

70-29 Oversmith, Robert. Wave-wind-current research facility. Advanced Research Projects Agency report #11. October 1970. 33p.

70-30 Francheteau, Jean. Paleomagnetism and plate tectonics. October 1970. Marine Physical Laboratory. 345p.

70-31 Spiess, F. N., J. Grow. B. P. Luyendyk and John D. Mudie. Seven Tow, leg 8, cruise report. November 1970. Marine Physical Laboratory. 8p.

70-32 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) Program report for the year; July 1, 1969 - June 30, 1970. (Also issued as IMR Ref. 71-3) October 1970. 27p.

70-33 Mechanics of sediment transport by waves and currents. Quarterly progress report no. 4; 30 June - 30 September 1970. 1970. 6p.

70-34 Suhayda, J. N. and A. Hecht. Laboratory measurement of wave direction with a linear array, final report. 1970. 22p. AD 715 725.

70-35 Tyler, John E. Development and testing of a spectroradiometer for measuring the upwelling spectral irradiance of the ocean. Visibility Laboratory. December 1970. 10p.

70-36 Cancelled.

70-37 Bellows, Donald. Wave pressure calibration of wind-wave-current research facility. Advanced Research Projects Agency report #12. November 1970. 14p.

70-38 Tyler, John E. On the measurement of radiant energy for correlation with primary productivity in the ocean. December 1970. Visibility Laboratory. 10p. AD 718 367.

1971

71-1 Duntley, Seibert Q. Underwater lighting by submerged lasers and incandescent sources. Visibility Laboratory. June 1971. 275p. AD 730 721.

71-2 Evans, M. W., A. L. Moore, R. A. Schwartzlose and A. M. Tubbs. Data from deep moored instrument stations; volume 3. January 1971. 93p. AD 744 023.

71-3 Physical and chemical data: CalCOFI Cruise 6801; 7 - 26 January 1968: CalCOFI Cruise 6804; 23 April - 6 May 1968: and CalCOFI Cruise 6806; 31 May - 22 June 1968. 1971. 160p.

71-4 Advanced Ocean Engineering Laboratory annual report, December 31, 1970. (AOEL Report No. 16). 1971. 133p. AD 719 412.

71-5 Sessions, Meredith H. and Phillip M. Marshall. A precision deep-sea time release. March 1971. 22p. AD 722 017.

71-6 Smith, Stuart M., George F. Sharman and Uta Ritter. Updated indexes of digitized navigation, bathymetric, and magnetic data in the Pacific Ocean from Scripps Institution of Oceanography and other sources. March 1971. 20p. and maps. AD 741 185.

71-7 Sclater, J. G., U. Ritter, W. Hilton, L. Meinke and R. L. Fisher. Charts of residual magnetic field plotted along track for the Indian Ocean. Marine Physical Laboratory. May 1971. 3p. and 32 foldouts. AD 725 881.

71-8 Marine technician's handbook: Oxygen analysis. (Sea Grant Publication No. 9) May 1971. 30p. COM-71-01020.

71-9 Dixon, F. Marine technician's handbook: Gravity coring. (Sea Grant Publication No. 10). May 1971. 12p. COM-71-01022.

71-10 Marine technician's handbook: Phosphate analysis. (Sea Grant Publication No. 11) May 1971. 18p. COM-71-01021.

71-11 Cancelled.

71-12 Cancelled.

71-13 Cancelled.

71-14 Limited.

71-15 Bibliography of the SIO Reference Series, 1970. June 1971. 6p.

71-16 Cancelled.

71-17 Bellows, Donald and Robert Oversmith. 1/100 scale model experiments stable floating platform A-59. Advanced Ocean Engineering Laboratory. (AOEL Report No. 22). August 1971. 31p.

71-18 Cancelled.

71-19 Squier, Earl D. Survey of hydrophone acceleration responses. Marine Physical Laboratory. August 1971. 131p. AD 735931. Addendum to Survey of hydrophone acceleration responses. Marine Physical Laboratory. July 1972. 7p.

71-20 Anderson, Victor C. Reports on applications of ARPA platform. Marine Physical Laboratory. July 1971. 38p.

71-21 Confidential.

71-22 Advanced Ocean Engineering Laboratory technical progress report June 30, 1971. (AOEL Report No. 23). July 1971. 133p. AD 728 796.

71-23 Surface water temperatures at shore stations United States West Coast, 1970, including surface salinities from several stations and five-meter temperatures and salinities at Scripps Pier. August 1971. 22p.

71-24 Johnson, David A. Studies of deep sea erosion using deep-towed instrumentation. September 1971. 167p. AD 740 813.

71-25 Physical and chemical data: Burton Island Expedition, 28 February - 15 April 1968, and STYX Expedition, 4 April - 4 August 1968. 1971. 75p.

71-26 Confidential.

71-27 Davies, T. A., D. A. Clague and P. Wilde. Preliminary report on Leg VII of Aries Expedition: Geological investigations in the Western North Pacific, July - August 1971. November 1971. 23p. and 7 foldouts.

71-28 Blackburn, Maurice. Scripps Tuna Oceanography Research (STOR) program; report for the year; July 1 1970 - June 30, 1971. (Also IMR Reference 72-6). November 1971. 26p.

71-29 Anderson, Victor C. and Daniel K. Gibson. ORB-RUM operations, March through August 1970. Sea Floor Technology report No. 2. Marine Physical Laboratory. January 1972. 12p. AD 740 804.

71-30 Rasmussen, Robert A. and Norman Head. Target detection in homogeneous noise backgrounds using a time/bearing display format. Marine Physical Laboratory. December 1971. 8p. AD 738 898.

71-31 Confidential.

71-32 Chase, T. E., D. A. Newhouse, W. L. Crocker, M. Schoenbechler and L. Hydock. The processing projector and variable speed box camera for continuous microfilm retrieval. December 1971. 22p.

71-33 Spiess, F. N. and S. M. Sanders. Survey of chase disposal area (NITNATOW). Marine Physical Laboratory. December 1971. AD 893 832L.

71-34 Cancelled.

1972

72-1 Namias, Jerome and Robert M. Born. Empirical techniques applied to large-scale and long-period air-sea interactions, a preliminary experiment. February 1972. 38p. AD 743 864.

72-2 Advanced Ocean Engineering Laboratory, technical progress report. December 31, 1971. AOEL Report No. 26. February 15, 1972. 120p. AD 738 476.

72-3 Edwards, Gerald D. and James L. Harris, Sr. Visual aspects of air collision avoidance: Computer studies on pilot warning indicator specifications. Visibility Laboratory. February 1972. 27p.

72-4 Johnson, Robert K. and Michael A. Barnett. Supplementary station list of materials examined for a study of meristic variation in Diplophos taenia Gunther. May 1972. 9p.

72-5 Alfvén, Hannes and Gustaf Arrhenius. Comets and asteroids - fundamental targets for space exploration. August 1972. 18p.

72-6 Deep moored instrument station cruise report: North Pacific Study; Cruise 1; USCGC Acushnet; September 12 to October 24, 1968. 1972. 74p. AD 744 195.

72-7 Deep moored instrument station cruise report: North Pacific Study;Cruise 2; USCGC Acushnet; November 19 - December 19, 1968. 1972. 62p. AD 744 671.

72-8 Deep moored instrument station cruise report: North Pacific Study; Cruise 3; USCGC Acushnet; April 17 to June 19, 1969. 1972. 80p. AD 744 196.

72-9 Deep moored instrument station cruise report: North Pacific Study; Cruise 4; USCGC Acushnet; September 10 - October 9, 1969. 1972. 66p. AD 744 197.

72-10 Deep moored instrument station cruise report: North Pacific Study; Cruise 5; USCGC Acushnet; November 12 to December 13, 1969. 1972. 57p. AD 743 866.

72-11 Deep moored instrument station cruise report: North Pacific Study; Cruise 6; USCGC Acushnet; April 8 to May 3, 1970. 1972. 63p. AD 744 550.

72-12 Deep moored instrument station cruise report: North Pacific Study; Cruise 7; USCGC Acushnet; June 17 to July 19, 1970. 1972. 50p. AD 743 868.

72-13 Deep moored instrument station cruise report: North Pacific Study; Cruise 8; USCGC Acushnet; September 20 to October 30, 1970. 1972. 51p. AD 743 869.

72-14 Deep moored instrument station cruise report: North Pacific Study; Cruise 9; USCGC Acushnet; November 16 to December 9, 1970. 1972. 42p. AD 744 198.

72-15 Deep moored instrument station cruise report: North Pacific Study; Cruise 10; USCGC Acushnet March 22 to April 29, 1971. 1972. 44p. AD 744 199.

72-16 Deep moored instrument station cruise report: North Pacific Study; Cruise 11; USCGC Acushnet; May 25 to June 17, 1971. 1972. 46p. AD 744 200.

72-17 Deep moored instrument station cruise report: North Pacific Study; Cruise 12; R/V Thomas Washington; September 3 - 19, 1971. 1972. 26p. AD 744 201.

72-18 Bradner, Hugh and John D. Isaacs. Overpressures due to earthquakes project, final technical report. Advanced Ocean Engineering Laboratory. AOEL report No. 27. May 1972. 25p. AD 742 117.

72-19 Physical and chemical data from the southern ocean between Australia and Antarctica: USNS Eltanin Cruise 41; 20 December 1969 - 16 February 1970. Joint report: Scripps Institution of Oceanography; Horace Lamb Centre for Oceanographical Research, Flinders University of South Australia and Department of Earth and Planetary Science, Johns Hopkins University. 1972. 66p. AD 747 792.

72-20 List of cores and dredge samples; Age. 1956. 2p.

72-21 Amphitrite Expedition: December 1963 - February 1964: List of cores and dredge samples. 1964. 31p. AD 741 658.

72-22 Aries Expedition: November 1970 - October 1971: List of cores and dredge hauls. 1971. 9p. AD 741 703.

72-23 List of cores collected on Capricorn (1952-53), Cusp (1954) and Chubasco (1954) Expeditions. May 1955. 30p. AD 741 670.

72-24 Chubasco Expedition: November - December 1954: List of cores. 1954. 1p.

72-25 Carmarsel (NOVA) Expedition: January - February 1967: List of cores. 1967. 3p.

72-26 Carrousel II Expedition: July - August 1964: List of cores, dredge samples and camera stations. 1964. 5p.

72-27 Chinook Expedition: June - August 1956: List of cores. Revised edition, 1969. 4p.

72-28 Circe Expedition: March 1968 - January 1969: List of cores and dredge hauls. 1969. 21p. AD 741 660.

72-29 DODO Expedition: May 1964 - December 1964; List of cores and dredge samples. 41p. AD 741 659.

72-30 Downwind Expedition: 1957 - 1958: List of cores and dredge samples. May 1958. 39p. AD 741 657.

72-31 Cores collected by the U.S. Coast and Geodetic Survey ship Explorer; February to April 1960. 4p.

72-32 Fanfare Expedition 1959: List of cores and dredge samples. 6p. AD 741 653.

72-33 Hilo Expedition: March - April 1962: List of cores. 3p.

72-34 Japanyon Expedition: June - September 1961: List of sediment cores: Legs 2, 4 and 5. 20p. AD 741 648.

72-35 Leapfrog Expedition: July - September 1961: List of cores. 6p. AD 741 654.

72-36 Lusiad Expedition: May 1962 - August 1963: List of sediment cores and dredge hauls. 42p. AD 741 662.

72-37 Mendocino Expedition: April - May 1960: List of core samples. 6p. AD 741 655.

72-38 Mid-Pac Expedition: August - September 1950: List of cores and dredge samples. 10p. AD 741 656.

72-39 Monsoon Expedition: August 1960 - April 1961: List of cores and dredge samples. 39p. AD 741 663.

72-40 Mukluk Expedition: July - August 1957; cores and dredge samples. 6p.

72-41 NEL-Hawaii; Data on sediment surface samples off Oahu, T.I. 1p.

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72-44 Papagayo Expedition: June - August 1965: List of cores and dredge hauls. 8p. AD 741 667.

72-45 Pifan Expedition (including Montcan Expediton) September 1964: List of cores and dredge hauls. 9p. AD 741 661.

72-46 Proa Expedition: April - August 1962: List of cores and dredge samples. 35p. AD 741 652.

72-47 Risepac Expedition: October 1961 - February 1962: List of cores and dredge hauls. 16p. AD 741 650.

72-48 Scan Expedition: March 1969 - February 1970: List of cores and dredge hauls. 16p. AD 741 651.

72-49 Show Expedition: June - July 1966: List of cores. 5p. AD 741 665.

72-50 Southern Borderland Expedition: Spencer F. Baird: February - March 1960: Ocra: August 1960: List of cores and dredge samples. 5p. AD 744 666.

72-51 Styx Expedition: April - September 1968: List of cores. 15p. AD 741 649.

72-52 Tethys Expedition: June - July 1960: List of cores. 5p. AD 741 664.

72-53 Tripod Expedition: November - December 1966: List of cores and dredge hauls. 5p.

72-54 Vizcaino Bay Expedition (formerly 6508A): August - September 1965: List of cores. 3p.

72-55 Wahine Expedition: February - April 1965: List of cores. 7p. AD 741 644.

72-56 Core log - Zapotec: October 22 - December 22, 1960. 4p.

72-57 Zephyrus Expedition: June - September 1962: List of cores. 8p. AD 741 643.

72-58 Zetes Expedition: March - August 1966: List of cores and dredge hauls. 7p. AD 741 645.

72-59 Brown, Daniel M. Windmill generator for the Bumblebee buoy. June 1972. 17p.

72-60 Ensminger, R. L., Robert F. Howarth and Alma L. Shaules. Image intensifier system detection experiment. Visibility Laboratory. June 1972. 43p. AD 901 578 L.

72-61 Tubbs, A. M., A. L. Moore, J. M. Park and J. J. Phillips. Data from deep moored instrument stations. Volume 4. June 1972. 165p. AD 744 026.

72-62 Surface water temperatures at shore stations, United States West Coast, 1971, including surface salinities from several stations and five-meter temperatures and salinities at Scripps Pier. June 1972. 21p. AD 749 031.

72-63 Clinton, James R. Soil mechanics with the ORB-RUM sea floor work system. Sea floor technology report No. 4. Marine Physical Laboratory. August 1972. 16p. AD 751 609.

72-64 Duntley, Seibert Q., Richard W. Johnson and Jacqueline I. Gordon. Airborne measurements of optical atmospheric properties in Southern Germany. Scientific report No. 1. Visibility Laboratory. July 1972. 211p. AD 747 490.

72-65 Anderson, Victor C. and H. P. Rumble. Pricing distributions for submerged pressure hulls. Marine Physical Laboratory. July 1972. 16p. AD 749 929.

72-66 Mudie, J. D., J. Grow, K. Klitgord and P. Larson. Shipboard cruise report on Leg 2 of Expedition South Tow;Studies in the Southeast Pacific. Marine Physical Laboratory. August 1972. 42p. AD 749 930.

72-67 Greenhouse, John P. Geomagnetic time variations on the sea floor off Southern California. Marine Physical Laboratory. August 1972. 237p. AD 749 931.

72-68 Snyder, H. George and A. Fleminger. A catalogue of zooplankton samples in the marine invertebrate collections of Scripps Institution of Oceanography. Accessions, 1965 - 70. June 1972. 237p.

72-69 Kalmijn, Adrianus J. The second derivative or potential mode? A critical evaluation of Lissmann and Machin's theory concerning the mode of operation in the electroreceptors of Gymnarchus niloticus and similar fish. 1972. 32p. AD 746 877.

72-70 Mudie, Peta J., Walter R. Schmitt, Elizabeth J. Luard, John W. Rutherford and Fay H. Wolfson. Preliminary studies on seawater irrigation. Halophyte research program. Foundation for Ocean Research. Publication No. 1. July 1972. 103p.

72-71 Duntley, Seibert Q., Richard W. Johnson and Jacqueline I. Gordon. Airborne and ground-based measurements of optical atmospheric properties in Central New Mexico. Visibility Laboratory. September 1972. 221p. AD 751 936.

72-72 Advanced Ocean Engineering Laboratory, technical progress report. AOEL report #29. June 1972. 60p. AD 748 024.

72-73 Rasmussen, Robert A. Effects of data quantization and display contrast on detection in intensity modulated displays. Marine Physical Laboratory. October 1972. 13p. AD 751 711.

72-74 Bibliography of the SIO Reference Series. 1971. September 1972. 6p.

72-75 Grow, John A. A geophysical study of the Central Aleutian Arc. Marine Physical Laboratory. October 1972. 115p. AD 755 455.

72-76 Shor, George G., Jr. and Stuart M. Smith. Preliminary cruise report, Iguana Expedition. Marine Physical Laboratory. October 1972. 34p. AD 750 679.

72-77 Geosecs intercalibration and test expeditions: Antipode 15 Expedition; 14 - 24 August 1971: Antipode 17 Expedition: 11 September - 4 October 1971 and GOGO I Expedition: 15 - 20 November 1971. 56p. AD 752 070.

72-78 Petzold, Theodore J. Volume scattering functions for selected ocean waters. Visibility Laboratory. October 1972. 76p. AD 753 474.

72-79 Williams, Francis. Scripps Tuna Oceanography Research (STOR) Program; report for the year; July 1, 1971 - June 30, 1972. (Also issued as IMR Reference No. 73-5). Institute of Marine Resources. November 1972. 28p.

72-80 Stewart, Robert H. Wave and turbulence. Final report. October 1972. 9p.

72-81 Edwards, Gerald D. and James L. Harris, Sr. Image intensifier recognition experiment. Visibility Laboratory. September 1972. 16p. AD 905 715L.

72-82 Duntley, Seibert Q., Richard W. Johnson and Jacqueline I. Gordon. Airborne measurements of optical atmospheric properties, summary and review. Final report. November 1969 - August 1972. Visibility Laboratory. November 1972. 79p.

72-83 Kalmijn, Adrianus J. Bioelectric fields in sea water and the function of the ampullae of Lorenzini in elasmobranch fishes. Translated into english October 1972. 22p. AD 754 799.

72-84 Yeager, Ernest, F. H. Fisher, John Miceli and Robert Bressel. Origin of the low frequency sound absorption in sea water. December 1972. 4p. Marine Physical Laboratory. AD 756 816.

72-85 Chung, Y.,C. Down and J. G. Sclater. Temperature data from the Pacific and Indian Abyssal waters. 1972. 47p. AD 757 067.

1973

73-1 Spiess, F. N., Bruce Malfait, P. F. Lonsdale and R. C. Tyce. Shipboard cruise report on Leg five of Expedition South Tow. Marine Physical Laboratory January 1973. 10p. AD 757 793.

73-2 Parker, R. L., J. D. Mudie and R. S. Howard. Another method for calculating magnetic anomalies. Marine Physical Laboratory. March 1973. 12p. AD 762 532.

73-3 Technical Progress Report: Advanced Ocean Engineering Laboratory. December 31, 1972. AOEL Report #35. 46p. AD 757 425.

73-4 Spiess, F. N. and R. C. Tyce. Marine Physical Laboratory: Deep Tow Instrumentation System. Marine Physical Laboratory. March 1973. 40p. AD 766 477.

73-5 Ballis, Douglas J. Monthly mean bathythermograph data from ocean weather station "PAPA". March 1973. 104p. AD 758 008.

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75-18 Canceled

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1976

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1978

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78-25 Frazer, J. Z., M. B. Fisk, J. Elliott, M. White and L. Wilson. Availability of copper, nickel, cobalt and manganese from ocean ferromanganese nodules. Annual report, June 30, 1977 - August 31, 1978. September 1978. 137p.

78-26 Arrhenius, G., K. Cheung, S. Crane, M. Fisk, J. Frazer, J. Korkisch, T. Mellin, S. Nakao, A. Tsai and G. Wolf. Counterions in marine manganates. 1978. 62p.

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1980

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1981

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81-82 See 81-12.

1982

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82-8 Canceled.

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82-21 Data report, physical and chemical data: CalCOFI Cruise 7712, 29 November - 20 December 1977; CalCOFI Cruise 7801, 5 January - 1 February 1978; CalCOFI Cruise 7803, 17 February - 15 March 1978, and CalCOFI Cruise 7804, 29 March - 26 April 1978. Reporte de Datos, fisicos y quimicos CRUCERO AH-7712, JD-7712, 29 de noviembre - 20 de diciembre 1977; CRUCERO AH-7801, JD-7801, 5 de enero - 1 de febrero 1978; CRUCERO AH-7803, JD-7803, 17 de febrero - 15 de marzo 1978; CRUCERO AH-7804, JD-7804, 29 de marzo - 26 de abril 1978. November 1982. 237p.

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1983

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83-15 Kelly, Kathryn Ann. Swirls and plumes or application of statistical methods to satellite-derived sea surface temperatures. CODE Technical Report no. 18. August 1983. 207p. AD A135 462/0.

83-16 Surface water temperatures at shore stations, United States West Coast 1982, including surface salinities from several stations and five-meter temperatures and salinities at Scripps Pier. October 1983. 40p.

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83-25 Canceled.

83-26 Smith, R. C., J. W. Campbell, W. E. Esaias and J. J. McCarthy. Primary production of the world ocean. Symposium, Life from a planetary perspective: Fundamental issues in Global Ecology. Marine Bio-Optics Group. December 1983. 26p.

*83-27 Kuhns, Kittie K. Bibliography of the SIO Reference Series 1979 - 1983. June 1984. 25p.

BIBLIOGRAPHY OF THE SCRIPPS INSTITUTION OF OCEANOGRAPHY REFERENCE SERIES 1984 - 1993

1984

84-1 Shields, Janet E. An analysis of infrared and visible atmospheric extinction coefficients measured at one-minute intervals. Visibility Laboratory. (Also issued as AFGL-TR-83-0210.) July 1983. 60p.

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84-11 NORPAX data management final catalogue. NORPAX Data Management. April 1984. 96p.

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84-13 Physical and chemical data: CalCOFI Cruise 7505, 7 May - 6 June 1975; CalCOFI Cruise 7506, 8 June - 12 June 1975; CalCOFI Cruise 7507, 23 June - 18 July 1975; CalCOFI Cruise 7509, 13 September - 22 September 1975; CalCOFI Cruise 7510, 2 Octo-

ber - 16 November 1975; and CalCOFI Cruise 7512, 8 December - 14 December 1975. June 1984. 234p.

84-14 CCS *Hudson* Cruise 82-001, 14 February - 6 April 1982. A joint venture of Bedford Institute of Oceanography, Halifax, Nova Scotia and Scripps Institution of Oceanography, La Jolla, California. Volume 1: Physical and Chemical Data. June 1984. 305p. AD-A156 086.

84-14 CCS *Hudson* Cruise 82-001, 14 February - 6 April 1982. A joint venture of Bedford Institute of Oceanography, Halifax, Nova Scotia and Scripps Institution of Oceanography, La Jolla, California. Volume 2: CTD Data Plots. June 1984. 172p. AD-A156 087.

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84-34 Canceled

84-35 Chung, Y., V. Thomas and H. Craig. Investigation of radon and helium as possible fluid-phase precursors to earthquakes. Technical report no. 19. November 1984. 70p.

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1985

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85-29 Canceled

85-30 Jenkins, Scott A. Clandestine methods for the determination of beach gradients and shallow water obstacle locations. December 1985. 109p.

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1986

86-1 Williams, Robin George. The internal tide off southern California. Marine Physical Laboratory. January 1986. 172p. AD-A167 722.

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mayo - 11 de junio 1978; CRUCERO AH-7807, JD-7807, 21 de junio - 17 de julio 1978; and CRUCERO AH-7808, JD-7808, 31 de julio - 27 de augosto 1978. March 1986. 231p.

86-3 Data report 1983, physical, chemical and biological data from CalCOFI Line 90. February 1986. 96p.

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86-12 Chung, Y. and H. Craig. Investigation of radon and helium as possible fluid-phase precursors to earthquakes. Technical report no. 20. April 1986. 52p. PB86-189453

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86-24 Wanetick, J. R. and R. E. Flick. San Onofre beach and sediment transport study. (Also issued as Chapter 11 of Southern California Edison 1986 Report on 1985 Data, San Onofre Nuclear Generating Station, Marine Environmental Analysis and Interpretation.) September 1986. 16p.

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86-29 Kuhns, Kittie. Bibliography of the SIO reference series 1986. July 1987. 7p.

1987

87-1 Pazan, Stephen E., Warren B. White and Youhai He. JEDA Center annual report on tropical Pacific subsurface thermal structure - 1985. January 1987. 66p.

87-2 Canceled.

87-3 Bray, N. A., M. C. Hendershott, J. M. Robles, S. Shull and A. C. Carrasco. Pichicuco 5, Gulf of California CTD data report, May 1984, R/V *New Horizon*. March 1987. 112p. AD-A180 083.

87-4 Hu, Jian-Hwa and Pearn P. Niiler. NEPAC current meter and XBT data for the circulation in Northeast Pacific thermocline 42 degrees north and 28 degrees north and 152 degrees west. July 1982 - October 1985. February 1987. 175p.

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87-7 Physical, chemical and biological data: CalCOFI Cruise 8609, 18 September - 3 October 1986; and CalCOFI Cruise 8611, 11 - 26 November 1986. April 1987. 90p.

87-8 Canceled

87-9 Fisher, Fred and Charles Bishop. Proceedings of a workshop on passive acoustics. Marine Physical Laboratory. Secret. March 1987. 76p.

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Laboratory. July 1987. 84p. AD-A187 609.

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87-31 Kuhns, Kittie K. Bibliography of the SIO reference series 1987. July 1988. 7p.

1988

88-1 Pazan, Stephen and Christopher Noe. User's introduction and guide to the Joint Environmental Data Analysis (JEDA) Center. July 1987. 13p.

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atmospheric forcing. Center for Coastal Studies. January 1988. 155p.

88-3 Pazan, Stephen E. and Warren B. White. JEDA Center annual report on tropical Pacific subsurface thermal structure, 1986. Issued by the Joint Environmental Data Analysis (JEDA) Center in support of the Tropical Ocean/Global Atmosphere (TOGA) program. February 1988. 58p.

88-4 Physical, chemical and current meter data: CalCOFI Cruise 7601, 6 - 7 January 1976; CalCOFI Cruise 7602, 16 - 20 February 1976; Cruise 7603 (TWATE III), 30 March - 2 April 1976; Cruise 7604,16 April - 10 May 1976; and Cruise 7611, 11 November 1976. February 1988. 55p.

88-5 Physical and chemical data: Gulf Cruise 7303, 6 - 23 March 1973; and Gulf Cruise 7305, 23 - 26 May 1973. March 1988. 53p.

88-6 Physical and chemical data: Gulf Cruise 7404, 8 April - 5 May 1974; and Gulf Cruise 7410, 2 October - 3 November 1974. March 1988. 55p.

88-7 Shor, George G., Jr. and Tom Beattie. Research vessel *Robert Gordon Sproul* handbook 1988 edition. Edited by Rose M. Dufour. March 1988. 29p.

88-8 Physical, chemical and biological data: CalCOFI Cruise 8709, 4 - 19 September 1987; and CalCOFI Cruise 8711, 13 - 28 November 1987. March 1988. 94p.

88-9 Talley, Lynne D., M. Margie Martin, Peter K. Salameh and the Oceanographic Data Facility. Transpacific section in the subpolar gyre - (TPS47): Physical, chemical, and CTD data report; R/V *Thomas Thompson* TT190, 4 August 1985 - 7 September 1985. March 1988. 245p.

88-10 Talley, Lynne D., Nancy Collins and the Oceanographic Data Facility. SAGA II: Physical, chemical, and CTD data report - *Akademik Korolev* 1 May 1987 - 9 June 1987. April 1988. 137p.

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88-18 Shor, Elizabeth N. (Editor). The water cycle: a symposium, Scripps Institution of Oceanography, January 23, 1988. Scripps Aquarium-Museum. December 1988. 74p.

88-19 Sharp, Sarah L. (Interviewer). Oceanography, population resources and the world. Roger Randall Dugan Revelle. Preparation for a scientific career. Archives, Scripps Institution of Oceanography and Regional Oral History Office, U. C. Berkeley. November 1988. 102p.

88-20 Sharp, Sarah L. (Interviewer). Oceanography, population resources and the world. Roger Randall Dugan Revelle, Director of Scripps Institution of Oceanography, 1951 - 1964. Archives, Scripps Institution of Oceanography and Regional Oral History Office, U. C. Berkeley. November 1988. 152p.

88-21 Baker, Karen S. and Raymond C. Smith. Bio-optical measurements from the FRONTS-88 Cruise 18 July - 7 August 1988. UCMBO data report. 1988. 150p.

88-22 Canceled

88-23 Physical, chemical and biological data: CalCOFI Cruise 8801, 19 January - 2 February 1988; and CalCOFI Cruise 8805, 28 April - 12 May 1988. January 1989. 80p.

88-24 Kuhns, Kittie K. Bibliography of the SIO reference series 1984 - 1988. August 1989. 25p.

1989

89-1 Baker, Karen S., Charleen R. Johnson, David W. Menzies and Raymond C. Smith. Bio-optical measurements from the BIOWATT-oc3 Cruise, 21 August - 2 September 1987; and BIOWATT-oc4 Cruise, 20 November - 4 December 1987. UCMBO data report. May 1989. 102p.

89-2 Physical, chemical and biological data: CalCOFI Cruise 8808, 9 - 24 August 1988; and CalCOFI Cruise 8810, 11 - 26 October 1988. May 1989. 93p.

89-3 Jenkins, Scott A., Jean A. Nichols and David W. Skelly. Coupled physical-biological dispersion model for the fate of suspended solids in sewage discharged into the ocean. Center for Coastal Studies. January 1989. 56p.

89-4 Jenkins, Scott A. and David W. Skelly. An evaluation of the coastal data base pertaining to seawater diversion at Encina Power Plant, Carlsbad, CA. Center for Coastal Studies. January 1989. 59p.

89-5 Munsch, Phillip and George G. Shor. Research vessel *New Horizon* handbook 1989 edition. Edited by Rose M. Dufour. July 1989. 58p.

89-6 Canceled

89-7 Johnson, R. W., W. S. Hering and J. E. Shields. Automated visibility and cloud cover measurements with a solid-state imaging system. Marine Physical Laboratory. (Also issued as

GL-TR-89-0061.) March 1989. 123p. AD-A216 906

89-8 Surface water temperatures, salinities and densities at shore stations, United States West Coast, 1988, including *five-meter temperatures, salinities*, and *densities* at Scripps Pier. Marine Life Research Group. August 1989. 46p.

89-9 McIntyre, Marie C. Design and testing of a seafloor geodetic system. Marine Physical Laboratory. October 1989. 203p.

89-10 Sotirin, Barbara J. Large aperture acoustic array. Marine Physical Laboratory. July 1989. 169p. AD-A215 541

89-11 Sherman, Jeffrey T. Observations of fine scale vertical shear and strain in the upper ocean. Marine Physical Laboratory. June 1989. 127p. AD-A214 476

89-12 Coastal data information program - monthly report, July 1989. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 162. July 1989. 163p.

89-13 Hawkins, James W. Cruise report ROUNDABOUT Expedition leg 14, 23 Jan 89 to 1 Feb 89, Suva, Fiji to Nuku'alofa, Tonga; leg 15, 2 Feb 89 to 3 Mar 89, Nuku'alofa, Tonga to Pago Pago, America Samoa, R/V *Thomas Washington.* August 1989. 45p.

89-14 Wakefield, W. W. and W. M. Smithey. Two camera sleds for quantitative studies of deep-sea megafauna. September 1989. 26p.

89-15 Coastal data information program - monthly report, August 1989. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 163. August 1989. 166p.

89-16 Almagor, David. Least squares adaptive and Bayes optimal array processors for the active sonar problem. Marine Physical Laboratory. October 1989. 161p. AD-A214 662

89-17 Jenkins, Scott A., David W. Skelly and Joe Wasyl. Dispersion and momentum flux study of the cooling water outfall at Agua Hedionda. Center for Coastal Studies. October 1989. 121p.

89-18 Coastal data information program - monthly report, September 1989. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 164. September 1989. 136p.

89-19 Canceled

89-20 Flick, Reinhard E. and Jerome R. Wanetick. San Onofre beach study. Center for Coastal Studies. October 1989. 53p.

89-21 Updegraff, Garr Edward. In situ investigation of sea surface noise from a depth of one meter. Marine Physical Laboratory. December 1989. 219p. AD-A220 158

89-22 Coastal data information program - monthly report, October 1989. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Water-

ways. Monthly Summary Report No. 165. November 1989. 176p.

89-23 Shull, S. and N. A. Bray. Gibraltar Experiment CTD data report II September - October 1986, U.S.N.S. *Lynch*. December 1989. 263p. AD-A233 321.

89-24 Coastal data information program - monthly report, November 1989. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 166. December 1989. 180p.

89-25 Hering, Wayne S. Evaluation of stochastic models for estimating the persistence probability of cloud-free lines-of-sight. Marine Physical Laboratory. (Also issued as GL-TR-89-0275.) September 1989. 21p. AD-A220 283

89-26 Physical, chemical and biological data: CalCOFI Cruise 8901, 20 January - 3 February 1989; and CalCOFI Cruise 8904, 17 - 30 April 1989. December 1989. 88p.

89-27 Schreiner, Anthony Edward. Observations of seafloor ambient noise with an ocean bottom seismometer array. Marine Physical Laboratory. December 1989. 141p. AD-A220 159

89-28 Coastal data information program-monthly report, December 1989. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 167. January 1990. 182p.

89-29 Kay, Holly Bogan. Bibliography of the SIO reference series 1989. November 1990. 7p.

1990

90-1 Melo, Eloi and R. T. Guza. Wave propagation in a jettied entrance channel. Center for Coastal Studies. January 1990. 86p.

90-2 Coastal data information program - monthly report, January 1990. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 168A. February 1990. 161p.

90-3 Physical, chemical and biological data: ARIES Expedition Leg III, 2 - 21 March 1971; and Leg IX, 23 September - 14 October 1971. March 1990. 44p.

90-4 Physical, chemical and biological data: CATO Expedition Leg I, 9 June - 5 July 1972; and Leg II, 11 July - 9 August 1972. March 1990. 94p.

90-5A Seymour, R. J., D. Castel and J. O. Thomas. Coastal data information program. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Fourteenth annual report. January 1989 through December 1989. Ocean Engineering Research Group. February 1990. 189p.

90-5B Seymour, R. J., D. Castel and J. O. Thomas. Coastal data information program. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Fifteenth annual report. January 1990 through Decem-

ber 1990. Ocean Engineering Research Group. February 1991. 191p.

90-6 Weiss, R. F., J. L. Bullister, M. J. Warner, F. A. Van Woy and P. K. Salameh. Ajax expedition chlorofluorocarbon measurements. June 1990. 192p.

90-7 Coastal data information program - monthly report, February 1990. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 168B. March 1990. 150p.

90-8 Canceled

90-9 Canceled

90-10 Anderson, George C. and James H. Swift. Arctic Internal Waves Experiment (AIWEX) hydrographic data. March 1990. 29p.

90-11 Sloan, Forrest E. and Richard J. Seymour. Pultrusion of fiber-reinforced composite wire-ropes. Ocean Engineering Research Group. March 1990. 24p.

90-12 Surface water temperatures, salinities and densities at shore stations, United States West Coast, 1989, including *five-meter temperatures*, *salinities*, and *densities* at Scripps Pier. April 1990. 45p.

90-13 Shor, George G., Jr., and Thomas Desjardins. Research vessel *Thomas Washington* handbook, 1990 edition. Edited by Rose M. Dufour. N.d. 37p.

90-14 Coastal data information program - monthly report, March 1990. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 169. April 1990. 150p.

90-15 Canceled

90-16 Sloan, Forrest E. and Richard J. Seymour. Electrochemical degradation mechanisms in graphite-fiber-reinforced epoxy composite materials. Ocean Engineering Research Group. April 1990. 82p.

90-17 Shor, George G., Jr. and Louis Zimm. Research vessel *Robert Gordon Sproul* handbook, 1990 edition, edited by Rose M. Dufour. May 1990. 24p.

90-18 Coastal data information program - monthly report, April 1990. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 170. May 1990. 106p.

90-19 Physical, chemical and biological data: CalCOFI Cruise 8907, 18 July - 1 August 1989; CalCOFI Cruise 8908, 2 - 8 August 1989; and CalCOFI Cruise 8911, 6 - 20 November 1989. May 1990. 116p.

90-20 Chave, A. D., J. R. Booker, C. S. Cox, P. L. Gruber, L. W. Hart, H. F. Morrison, J. G. Heacock and D. Johnson. Report of a workshop on the geoelectric and geomagnetic environment of continental margins. Marine Physical Laboratory. April 1990. 46p. AD-A223 743.

90-21 Tran, Jean-Marie Quoc Danh. Approaches to the processing of data from large aperture acoustic vertical line arrays. Marine Physical Labora-

tory. April 1990. 135p. AD-A225 297.

90-22 Coastal data information program - monthly report, May 1990. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 171. June 1990. 101p.

90-23 Flosadóttir, Agústa Hjördís. The response of the oceanic lithosphere to electromagnetic controlled source transmitters modeled using local spectral representation. July 1990. 245p.

90-24 Coastal data information program - monthly report, June 1990. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 172. July 1990. 83p.

90-25 Wilson, George D. F. Manganese nodule mining impact studies, *RUM 3* - R/V *New Horizon* cruise "*Quagmire II*": 23 April - 17 May 1990. Post cruise report. August 1990. 45p.

90-26 Wilson, George D. F. The biological impact of deep ocean manganese nodule mining: a review of current programs and future directions. A workshop held on July 6 - 7, 1989, Carl and Laura Hubbs Hall, room 4500, Scripps Institution of Oceanography, La Jolla, California. August 1990. 73p.

90-27 Coastal data information program - monthly report, July 1990. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 173. August 1990. 85p.

90-28 Hering, Wayne S. Probability estimates of cloud-obscured line-of-sight. Scientific Report No. 2. Marine Physical Laboratory. (Also issued as GL-TR-90-0204.) May 1990. 12p. AD-A231 151.

90-29 Coastal data information program - monthly report, August 1990. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 174. September 1990. 84p.

90-30 Dotan, Amos A. Digital, one way, acoustic communication in the ocean. Marine Physical Laboratory. September 1990. 164p. AD-A230 171.

90-31 Coastal data information program - monthly report, September 1990. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 175. October 1990. 84p.

90-32 Inman, Douglas L. and Daniel C. Conley. Prediction of nearshore sediment transport using a model for fluid-sediment coupling. Center for Coastal Studies. October 1990. 17p.

90-33 Hayward, T. L., A. W. Mantyla, P. P. Niiler and K. M. Plummer. Physical, chemical and biological data: cruise SQ87, 28 April - 23 May 1987. Marine Life Research Group. December 1990. 126p. AD-A232 556.

90-34 Canceled

90-35 Coastal data information program - monthly report, October 1990. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 176. November 1990. 85p.

90-36 Swift, James H., Norma L. Mantyla, John R. Osborne and Peter K. Salameh. A transpacific section along 24°N (TPS24). Physical, chemical, and CTD data report: 30 March 1985 - 3 June 1985, R/V *Thomas Thompson* TT 188 Legs 1 and 2. Oceanographic Data Facility. November 1990. 463p.

90-37 Wilson, George D. F. Biological evaluation of a preservational reserve area "BEPRA 1" cruise report and interim report on laboratory analysis. An oceanographic cruise from Puntarenas, Costa Rica, to Honolulu, Hawaii, on the R/V MOANA WAVE (University of Hawaii) during 22 September to 14 October, 1989. November 1990. 36p.

90-38 Coastal data information program - monthly report, November 1990. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 177. December 1990. 80p.

90-39 Roemmich, Dean, Bruce Cornuelle and Lisa Lehmann. High resolution XBT sections in the central Pacific, M/V *Southland Star*, 1986-90. December 1990. 56p.

90-40 Coastal data information program - monthly report, December 1990. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 178. January 1991. 81p.

90-41 Kay, Holly B. Bibliography of the SIO reference series 1990. June 1991. 10p.

1991

91-1 Weiss, R. F., J. L. Bullister, F. A. Van Woy, M. J. Warner, P. K. Salameh and R. H. Gammon. Transient tracers in the ocean, tropical Atlantic study: chlorofluorocarbon measurements. January 1991. 161p.

91-2 Canceled

91-3 Coastal data information program - monthly report, January 1991. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 179. February 1991. 84p.

91-4 Physical, chemical and biological data: CalCOFI Cruise 9003, 4 - 19 March 1990; CalCOFI Cruise 9004, 17 April - 2 May 1990. February 1991. 96p.

91-5 Osborne, John, Peter Rhines and James Swift. OceanAtlas for Macintosh©. A microcomputer application for examining oceanographic data. Version 1.0. February 1991. 70p.

91-6 Sybrandy, Andrew L. and Pearn P. Niiler. The WOCE/TOGA SVP Lagrangian drifter construction manual. (Also issued as WOCE report number 63.) February 1991. 60p.

91-7 Venrick, E. L., T. K. Chereskin, T. L. Hayward, A. W. Mantyla, P. P. Niiler, M. D. Ohman and K. M. Plummer.

Physical, chemical and biological data: cruise Fronts 88, 28 August - 23 September 1988. Marine Life Research Group. April 1991. 99p.

91-8 Kaufmann, Ronald S. and Raymond R. Wilson, Jr. A summary and bibliography of seamount biota. February 1991. 80p.

91-9 Coastal data information program - monthly report, February 1991. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 180. March 1991. 81p.

91-10 Walker, P. W., E. F. Stewart and A. W. Mantyla. Surface water temperatures, salinities and densities at shore stations, United States West Coast, 1990. Including *five-meter temperatures*, *salinities*, and *densities* at Scripps Pier. Marine Life Research Group. May 1991. 45p.

91-11 Coastal data information program - monthly report, March 1991. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 181. April 1991. 86p.

91-12 English, Gisele D. and Deborah Day. A guide to the Carl Leavitt Hubbs papers 1920-1979. Manuscript collection MC 5. Archives of the Scripps Institution of Oceanography. April 1991. 352p.

91-13 Smith, R. C., K. S. Baker, D. W. Menzies, K. Waters, C. R. Johnson, A. Marotti and K. Hwang. Bio-optical measurements from the Icecolors-90 Cruise, 5 October - 21 November 1990. Marine Bio-Optics Group. UCMBO data report. N.d. 121p.

91-14 Coastal data information program - monthly report, April 1991. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 182. May 1991. 87p.

91-15 Shields, J. E., R. W. Johnson and M. E. Karr. A sensitivity study of daytime visibility determination with the Horizon Scanning Imager. Scientific report no. 2. Marine Physical Laboratory. (Also issued as PL-TR-91-2189.) July 1991. 45p. N92-32144

91-16 McCartney, Michael S., Lynne D. Talley and Mizuki Tsuchiya. Oceanus 202. Physical, chemical, and CTD data: 23 July 1988 - 1 September 1988. R/V *Oceanus*. (Also issued as ODF publication no. 229.) May 1991. 301p.

91-17 Coastal data information program - monthly report, May 1991. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 183. June 1991. 80p.

91-18 Physical, chemical and biological data: CalCOFI Cruise 9007, 25 July - 9 August 1990; CalCOFI Cruise 9011, 5 - 20 November 1990. July 1991. 96p.

91-19 Pazan, Stephen E. and Warren B. White. JEDA Center annual report on Indo-Pacific subsurface thermal structure - 1987. Joint Environmental Data Analysis (JEDA) Center. November 1991. 70p.

91-20 Pazan, Stephen E. and Warren B. White. JEDA Center annual report on Indo-Pacific subsurface thermal structure - 1988. Joint Environmental Data Analysis (JEDA) Center. November 1991. 49p.

91-21 Coastal data information program - monthly report, June 1991. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 184. July 1991. 100p.

91-22 Physical, chemical and biological data: CalCOFI Cruise 9101, 8 January - 23 January 1991; CalCOFI Cruise 9103, 26 February - 11 March 1991. August 1991. 89p.

91-23 Coastal data information program - monthly report, July 1991. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 185. August 1991. 100p.

91-24 Salmon, Rick and Don Betts. Of Fluid Mechanics and Related Matters. The Proceedings of a Symposium Honoring John Miles on His Seventieth Birthday, November 29 - 30, December 1, 1990. Sumner Auditorium. September 1991. 254p. AD-A261 184

91-25 O'Reilly W. C. and R. T. Guza. Modeling surface gravity waves in the Southern California Bight. Center for Coastal Studies. September 1991. 94p.

91-26 Coastal data information program - monthly report, August 1991. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 186. September 1991. 122p.

91-27 Smith, Raymond C., David W. Menzies and Karen S. Baker. Bio-optical measurements from the MLML91 cruises 3 - 21 May and 10 - 21 August 1991. Marine Bio-Optics Group. UCMBO data report. N.d. 52p.

91-28 Physical, chemical and biological data: Tasaday expedition - Legs I, II, III and IV. Leg I, 5 June - 1 July 1973; Leg II, 8 - 15 July 1973; Leg III, 22 July - 4 August 1973; Leg IV, 13 August - 6 September 1973. December 1991. 98p. AD-A246 484

91-29 Coastal data information program - monthly report, September 1991. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 187. October 1991. 125p.

91-30 Swenson, M. S., P. P. Niiler, A. L. Sybrandy and L. Sombardier. Feasibility of attaching SEACATs to TOGA drifters. October 1991. 39p.

91-31 Coastal data information program - monthly report, October 1991. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 188. November 1991. 126p.

91-32 Seymour, R.J., D. Castel, J. O. Thomas and David D. McGehee. Coastal data information program - multi-year report, volume 1, 1975 through 1991. A cooperative program by the U.S. Army Corps of Engineers and the

California Department of Boating and Waterways. May 1992. 434p.

91-33 Johnson, R. W., J. E. Shields and T. L. Koehler. Analysis and interpretation of simultaneous multi-station whole sky imagery. Final Report: 30 December 1987 - 30 September 1991. Marine Physical Laboratory. (Also issued as PL-TR-91-2214.) September 1991. 83p. AD-A253 685

91-34 Johnson, R. W., M. E. Karr and J. R. Varah. Automated visibility measurements with a horizon scanning imager. Volume I: technical discussion. Scientific report no. 1. Marine Physical Laboratory. (Also issued as PL-TR-91-2016[I].) December 1990. 23p. AD-A246 892

91-35 Coastal data information program - monthly report, November 1991. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 189. December 1991. 124p.

91-36 Coastal data information program - monthly report, December 1991. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 190. January 1992. 134p.

91-37 Criqui, N. P. Bibliography of the SIO reference series 1991. June 1992. 9p.

1992

92-1 Buck, Eric. Research vessel *New Horizon* handbook 1992 edition. Edited by Rose M. Dufour. February 1992. 42p.

92-2 Werner, B. T. and E. Merino. A model for concavity formation in eolian sand grains. February 1992. 6p.

92-3 Coastal data information program - monthly report, January 1992. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 191. February 1992. 170p.

92-4 Hammer, Philip Theodore Clemens. Seamount structure from seismic tomography and gravity inversion. Marine Physical Laboratory. 1991. 150p.

92-5 Imawaki, Shiro, Pearn P. Niiler, Judy D. Illeman, William G. Large and Teresa K. Chereskin. Trajectories of longline drifters in the eastern tropical Pacific in 1983-1986. February 1989. 27p.

92-6 Coastal data information program - monthly report, February 1992. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 192. March 1992. 176p.

92-7 Seymour, R. J., D. Castel and J. O. Thomas. Coastal data information program. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Sixteenth annual report. January 1991 through December 1991. Ocean Engineering Research Group. May 1992. 166p.

92-8 Walker, P. W., D. M. Newton and A. W. Mantyla. Surface water temperatures, salinities and densities at shore stations, United States West Coast,

1991, including *five-meter temperatures, salinites, and densities* at Scripps Pier. Marine Life Research Group. April 1992. 46p.

92-9 South Atlantic Ventilation Experiment (SAVE). Chemical, physical and CTD data report. Leg 1, 23 November 1987 - 13 December 1987; Leg 2, 18 December 1987 - 23 January 1988; Leg 3, 29 January 1988 - 7 March 1988. R/V *Knorr*. Oceanographic Data Facility. (Also issued as ODF publication no. 231.) April 1992. 729p.

92-10 South Atlantic Ventilation Experiment (SAVE). Chemical, physical and CTD data report. Leg 4, 7 December 1988 - 15 January 1989; Leg 5, 23 January 1989 - 8 March 1989. R/V *Melville*. Oceanographic Data Facility. (Also issued as ODF publication no. 232.) April 1992. 625p.

92-11 Weiss, R. F., F. A. Van Woy and P. K. Salameh. Surface water and atmospheric carbon dioxide and nitrous oxide observations by shipboard automated gas chromatography: results from expeditions between 1977 and 1990. (Also issued as Office of Health and Environmental Research, Environmental Sciences Division publication no. 3987; Oak Ridge National Laboratory Carbon Dioxide Information Analysis Center, Environmental Sciences Division publication no. ORNL/CDIAC-59; and numeric data package no. NDP-044.) December 1992. 144p. DE93005841

92-12 McCartney, Michael S., Lynne D. Talley and Mizuki Tsuchiya. Hydros, Leg 4. Physical, chemical and CTD data, 13 March - 19 April 1989. R/V *Melville*. Oceanographic Data Facility. (Also issued as ODF publication no. 233.) April 1992. 190p.

92-13 Coastal data information program - monthly report, March 1992. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 193. April 1992. 183p.

92-14 O'Reilly, W. C., R. T. Guza, B. W. Waldorf, M. R. Kirk, W. A. Boyd and M. C. Clifton. Data report: Southern California wave experiment. Center for Coastal Studies. April 1992. 91p.

92-15 Coastal data information program - monthly report, April 1992. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 194. May 1992. 175p.

92-16 Physical, chemical and biological data: CalCOFI Cruise 9108, 24 July - 9 August 1991; CalCOFI Cruise 9110, 28 September - 14 October 1991. June 1992. 97p.

92-17 Cornuelle, Bruce D., Peter F. Worcester, John A. Hildebrand, William S. Hodgkiss, Jr., Tim F. Duda, Bruce M. Howe, James A. Mercer and Robert C. Spindel. Vertical slice ocean acoustic tomography at 1000-km range in the North Pacific Ocean. June 1992. 44p.

92-18 Chen, George Chia-Jen. VLF source localization with a freely drifting acoustic sensor array. Marine Physical Laboratory. September 1992. 155p. AD-A262 325

92-19 Coastal data information program - monthly report, May 1992. A cooperative program by the U.S. Army Corps

of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 195. June 1992. 174p.

92-20 Physical, chemical and biological data: CalCOFI Cruise 9202, 28 January - 13 February 1992; CalCOFI Cruise 9204, 13 - 30 April 1992. July 1992. 96p.

92-21 Coastal data information program - monthly report, June 1992. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 196. July 1992. 174p.

92-22 Shields, J. E., R. W. Johnson and M. E. Karr. An automated observing system for passive evaluation of cloud cover and visibility. Final report, September 1988 - January 1992. Marine Physical Laboratory. (Also issued as Phillips Laboratory no. PL-TR-92-2202.) July 1992. 38p. AD-A263 207

92-23 Coastal data information program - monthly report, July 1992. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 197. August 1992. 177p.

92-24 Coastal data information program - monthly report, August 1992. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 198. September 1992. 176p.

92-25 Canceled

92-26 Gutiérrez,de Velasco, Guillermo, Suzanne Shull Maddox, Paul J. Harvey and Nancy A. Bray. Gulf of Mexico experiment, data report no. 1: August 1990 to July 1991. Meteorological, moored instrument, and sea level observations. Center for Coastal Studies. August 1992. 44p.

92-27 Flanigan, Carol Lynn. A guide to the Henry William Menard papers (1938-1986). Manuscript Collection 18. Archives of the Scripps Institution of Oceanography. October 1992. 69p.

92-28 Coastal data information program - monthly report, September 1992. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 199. October 1992. 178p.

92-29 Osborne, John, James Swift and Edward P. Flinchem. OceanAtlas for Macintosh©. A microcomputer application for examining oceanographic data. Version 2.0. December 1992. 116p.

92-30 Sclater, John G. The development of plate tectonics: a personal perspective. A reply to a series of questions from Professor H. Frankel. October 1992. 65p.

92-31 Coastal data information program - monthly report, October 1992. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 200. November 1992. 171p.

92-32 Given, Holly K., Jonathan Berger, Jean-Francois Fels, David Horwitt and Christian Winther. The IRIS-3 high resolution data acquisition system.

Institute of Geophysics and Planetary Physics. December 1992. 63p.

92-33 Seymour, Richard J. and Samuel A. Massey. Improved fatigue life for moorings. Marine Research Division. December 1992. 22p. PB93-161198

92-34 Coastal data information program - monthly report, November 1992. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 201. December 1992. 179p.

92-35 Criqui, Nan P. Bibliography of the Scripps Institution of Oceanography Reference Series 1992. June 1993. 7p.

1993

93-1 George, Ron, R. E. Flick and R. T. Guza. Observations of turbulence in the surf zone. January 1993. 30p. AD-A262 718

93-2 Coastal data information program - monthly report. December 1992. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 202. January 1993. 178p.

93-3 Anderson, Steven Paul. Shear, strain and thermohaline vertical fine structure in the upper ocean. January 1993. 154p. AD-A265 961

93-4 Rainey, Carolyn. A guide to the Francis Parker Shepard papers 1921-1985. Manuscript collection MC 7. February 1992. 126p.

93-5 Seymour, R. J., D. Castel and J. O. Thomas. Coastal data information program. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Seventeenth annual report. January 1992 through December 1992. Ocean Engineering Research Group. September 1993. 131p.

93-6 Coastal data information program - monthly report. January 1993. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 203. February 1993. 182p.

93-7 Herzfeld, Ute C. and Wolfgang H. Berger. Ocean productivity and indicator variables: map comparisons for the Atlantic and world oceans. February 1993. 76p.

93-8 Worcester, Peter F. and Brian D. Dushaw. The acoustic mid-ocean dynamics experiment (AMODE): recovery cruise report. February 28-March 23, 1992. R/V ENDEAVOR voyage EN-233. March 1993. 139p.

93-9 Conley, Daniel C. and Douglas L. Inman. Ventilated oscillatory boundary layers. Center for Coastal Studies. February 1993. 79p. AD-A266 226

93-10 Canceled

93-11 Craig, Harmon, Kurt Marti and Roger Wiens. A static mass spectrometer with triple collection for nitrogen and neon isotopes. Isotope Laboratory. September 1993. 48p.

93-12 Coastal data information program - monthly report. February 1993. A cooperative program by the U.S. Army

Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 204. March 1993. 181p.

93-13 Physical, chemical and biological data: CalCOFI Cruise 9207, 2-16 July 1992; CalCOFI Cruise 9210, 26 September - 11 October 1992. April 1993. 95p.

93-14 Okihiro, Michele, R. T. Guza and R. J. Seymour. Seiche in a small harbor. April 1993. 44p.

93-15 Alden, Douglas J., Suzanne Shull and Clinton D. Winant. Moored instrument data report no. 01. Analysis and acquisition of observations of the circulation on the California continental shelf, October 1991 - April 1992. Center for Coastal Studies. April 1993. 29p.

93-16 Coastal data information program - monthly report. March 1993. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 205. April 1993. 198p.

93-17 Physical, chemical and biological data: Southtow Expedition, Leg III, 6-18 April 1972, Leg IV, 27 April - 14 May 1972, Leg XIII, 29 January - 19 February 1973; Climax VII Expedition, Leg II, 28 August - 7 September 1973, Leg III, 17-21 September 1973; Climax VIII Expedition, 6-8 December 1973. June 1993. 77p.

93-18 Walker, P. W., D. M. Newton and A. W. Mantyla. Surface water temperatures, salinities and densities at shore stations, United States West Coast, 1992. Including *five-meter temperatures*, *salinities*, and *densities* at Scripps Pier. Marine Life Research Group. May 1993. 46p.

93-19 Fels, Jean-Francois. Timing in the IRIS/IDA broadband seismic network. Institute of Geophysics and Planetary Physics. May 1993. 30p.

93-20 Coastal data information program - monthly report. April 1993. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 206. May 1993. 199p.

93-21 Mooney, Katherine. A guide to the William Aaron Nierenberg papers (1932-1986). Manuscript Collection 13. Archives of the Scripps Institution of Oceanography. April 1993. 173p.

93-22 Coastal data information program - monthly report. May 1993. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 207. June 1993. 214p.

93-23 Aijaz, Saima, Scott A. Jenkins and Douglas L. Inman. Dynamic shear stress in fluid-mud suspensions. Center for Coastal Studies. July 1993. 116p.

93-24 Canceled

93-25 Coastal data information program - monthly report. June 1993. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 208. July 1993. 203p.

93-26 Physical, chemical and biological data: CalCOFI Cruise 9301, 12 - 27 January 1993; CalCOFI Cruise 9304, 30 March - 15 April 1993. October 1993. 96p.

93-27 Coastal data information program - monthly report. July 1993. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 209. August 1993. 206p.

93-28 Sombardier, Laurence. Surface velocity program/drifting buoy cooperation panel workshop on evaluation of low cost barometer drifters. (Also issued as WOCE report no. 108/93.) May 1993. 46p.

93-29 Coastal data information program - monthly report. August 1993. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 210. September 1993. 190p.

93-30 Müller, R. Dietmar, Walter R. Roest, Jean-Yves Royer, Lisa M. Gahagan and John G. Sclater. A digital age map of the ocean floor. October 1993. 15p.

93-31 Gutiérrez de Velasco, Guillermo, Suzanne Shull, Paul J. Harvey and Nancy A. Bray. Gulf of Mexico experiment, data report no. 2: August 1991 to July 1992. Meteorological, moored instrument, and sea level observations. October 1993. 36p.

93-32 Elwany, M. Hany S. Coastal currents at San Onofre and their relationship to currents in southern California. Volume I. Technical Report. Center for Coastal Studies. November 1993. 83p.

93-33 Elwany, M. Hany S. Coastal currents at San Onofre and their relationship to currents in southern California. Volume II. Appendices. Data Report. Center for Coastal Studies. November 1993. 98p.

93-34 Coastal data information program - monthly report. September 1993. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 211. October 1993. 204p.

93-35 Kuhns, Kittie Kerr and Betty Shor. Scripps Stories: days to remember. In celebration of 90 years. October 1993. 154p.

93-36 Sclater, John G. The specific heat of plasticine. Geological Research Division. October 1993. 16p.

93-37 Ricciardi, Dawnelle. A guide to the Jerome Namias papers (1932-1990). Manuscript Collection 20. October 1993. 69p.

93-38 Pazan, Stephen E. and Warren B. White. JEDA center annual report on global subsurface thermal structure - 1989. Issued by the Joint Environmental Data Analysis (JEDA) Center in support of the Tropical Ocean/Global Atmosphere (TOGA) Project. November 1993. 57p.

93-39 Coastal data information program - monthly report. October 1993. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Water-

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93-40 Lascara, C. M., R. C. Smith, D. Menzies and K. S. Baker. Oceanographic data collected aboard *RV Polar Duke*. November 1991. Research conducted as part of the Palmer long-term ecological research program. Center for Coastal Physical Oceanography. (Also issued as CCPO Technical Report no. 93-01 and Palmer LTER Contribution no. 27). December 1993. 98p.

93-41 Lascara, C. M., R. C. Smith, D. Menzies and K. S. Baker. Oceanographic data collected aboard *RV Polar Duke*. January - February 1993. Research conducted as part of the Palmer long-term ecological research program. Center for Coastal Physical Oceanography. (Also issued as CCPO Technical Report no. 93-02 and Palmer LTER Contribution no. 28). December 1993. 310p.

93-42 Lascara, C. M., R. C. Smith and D. Menzies. XBT data collected aboard *RV Polar Duke*. January - February 1993. Research conducted as part of the Palmer long-term ecological research program. Center for Coastal Physical Oceanography. (Also issued as CCPO Technical Report no. 93-03 and Palmer LTER Contribution no. 29). December 1993. 104p.

93-43 Smith, D. A., R. A. Locarnini, B. L. Lipphardt, Jr. and E. E. Hofmann. Hydrographic data collected aboard *RV Nathaniel B. Palmer*. March - May 1993. Research conducted as part of the Palmer long-term ecological research program. Center for Coastal Physical Oceanography. (Also issued as CCPO Techncial Report no. 93-04 and Palmer LTER Contribution no. 30). December 1993. 218p.

93-44 Smith, D. A., R. C. Smith and D. Menzies. Oceanographic data collected aboard *RV Nathaniel B. Palmer*. March - May 1993. Research conducted as part of the Palmer long-term ecological research program. Center for Coastal Physical Oceanography. (Also issued as CCPO Technical Report no. 93-05 and Palmer LTER Contribution no. 31). December 1993. 268p.

93-45 Smith, D. A., R. A. Locarnini, B. L. Lipphardt, Jr. and E. E. Hofmann. XBT data collected aboard *RV Nathaniel B. Palmer*. March - May 1993. Research conducted as part of the Palmer long-term ecological research program. Center for Coastal Physical Oceanography. (Also issued as CCPO Technical Report no. 93-06 and Palmer LTER Contribution no. 32). December 1993. 161p.

93-46 Canceled

93-47 Smith, Rebecca S. A guide to the Helen Hill Raitt papers (1936-1985). Manuscript collection 19. Archives of the Scripps Institution of Oceanography. November 1993. 18p.

93-48 Coastal data information program - monthly report. November 1993. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 213. December 1993. 211p.

93-49 Weiss, R. F. , M. J. Warner, P. K. Salameh, F. A. Van Woy and K. G. Harrison. South Atlantic ventilation experiment: SIO chlorofluorocarbon

measurements. December 1993. 468p.

93-50 Coastal data information program - monthly report. December 1993. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 214. February 1994. 212p.

*93-51 Criqui, Nan P. Bibliography of the Scripps Institution of Oceanography Reference Series 1984 - 1993. August 1994. 29p.

BIBLIOGRAPHY OF THE SCRIPPS INSTITUTION OF OCEANOGRAPHY REFERENCE SERIES 1994

94-1 Seymour, R. J., R. T. Guza, W. C. O'Reilly, D. Castel and J. O. Thomas. Coastal data information program. January 1993 through December 1993. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Eighteenth annual report - January 1993 through December 1994. June 1994. 181p.

94-2 Canceled

94-3 Coastal data information program - monthly report. January 1994. A cooperative program by Waterways. Monthly summary report no. 215. February 1994. 201p.

94-4 Graham, Nicholas E., Tim P. Barnett, Mark A. Cane and Stephen E. Zebiak. Simulated greenhouse warming and model ENSO cycles. Climate Research Division. March 1994. 39p.

94-5 Coastal data information program - monthly report. February 1994. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 216. March 1994. 197p.

94-6 Coastal data information program - monthly report. March 1994. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 217. April 1994. 220p.

94-7 Canceled

94-8 Klinck, J. M. and R. C. Smith. Oceanographic data collected aboard RV *Polar Duke* August-September 1993. Research conducted as part of the Palmer long-term ecological research program. (Also issued as CCPO Technical Report No. 94-01 and Palmer LTER Contribution No. 33.) August 1994. 152p.

94-9 Walker, P. W., D. M. Newton and A. W. Mantyla. Surface water temperatures, salinities and densities at shore stations United States West Coast, 1993, including *five-meter temperatures, salinities,* and *densities* at Scripps Pier. June 1994.

94-10 Coastal data information program - monthly report. April 1994. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 218. May 1994. 222p.

94-11 Gutiérrez de Velasco, Guillermo, Paul J. Harvey, Suzanne Shull and Nancy A. Bray. Gulf of Mexico Experiment data report no.3: August 1992 to July 1993. Meteorological, moored instrument, and sea level observations. Center for Coastal Studies. June 1994. 36p.

94-12 Coastal data information program - monthly report. May 1994. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 219. June 1994. 205p.

94-13 Piper, Stephen C. Construction and description of a gridded global dataset of daily temperature and precipitation for terrestrial biospheric modelling. February 1995. 73p.

94-14 Physical, chemical and biological data: CalCOFI Cruise 9308, 11-27 August 1993; CalCOFI Cruise 9310, 8-26 October 1993. July 1994. 100p.

94-15 Orcutt, John A. and John Spencer. Scientific requirements for the use of the Global Positioning System. Report of a workshop held at UNAVCO 16, 17 June 1993. GPS Working Group. n.d. 40p.

94-16 Gehres, Donna J. A guide to the Roger Randall Dougan Revelle papers (1909-1991). Manuscript Collection 6A. Archives of the Scripps Institution of Oceanography. July 1994. 179p.

94-17 Coastal data information program - monthly report. June 1994. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 220. July 1994. 212p.

94-18 Dufour, Rose M. and William Gaines. Final 1992 and 1993 research vessels and platform operating schedules. August 1994. 22p.

94-19 Coastal data information program - monthly report. July 1994. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 221. August 1994. 225p.

94-20 Coastal data information program - monthly report. August 1994. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 222. September 1994. 201p.

94-21 Physical, chemical, and biological data: CalCOFI Cruise 9401, 20 January - 7 February 1994; CalCOFI Cruise 9403, 22 March - 8 April 1994. December 1994. 100p.

94-22 Coastal data information program - monthly report. September 1994. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 223. October 1994. 196p.

94-23 Smith, R. C., K. S. Baker, D. W. Menzies, P. Handley, E. Fields, B. Hixon, J. Siegel, S. Keigher and J. Marquez. Bio-optical measurements from the ICECOLORS-93 Cruise, 08 October - 05 November 1993. UCMBO Data Report. n.d. 131p.

94-24 Deaton, Thomas K. and Charles S. Cox. Low noise amplifier. Marine Physical Laboratory. October 1994. 9p.

94-25 Graham, Nicholas E. Simulation of recent global temperature trends. Climate Research Division. December 1994. 40p.

94-26 Coastal data information program - monthly report. October 1994. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 224. November 1994. 190p.

94-27 Coastal data information program - monthly report. November 1994. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 225. December 1994. 174p.

94-28 Guenther, Peter R., Charles D. Keeling and Guy Emanuele III. Oceanic CO_2 measurements for the WOCE hydrographic survey in the Pacific Ocean, 1990-1991: shore based analyses. December 1994. 134p. PC A07/MFA02

94-29 Guenther, Peter R., Guy Emanuele III, David J. Moss, Timothy J. Lueker and Charles D. Keeling. Oceanic CO_2 measurements for the WOCE hydrographic survey in the Pacific Ocean: shipboard alkalinity measurements on TUNES Leg 3, 1991. December 1994. 35p.

94-30 Guenther, Peter R., Guy Emanuele III, Timothy J. Lueker, David J. Moss, Elisabeth F. Stewart and Charles D. Keeling. Oceanic CO_2 measurements for the WOCE hydrographic survey in the Pacific Ocean: shipboard alkalinity measurements on CGC92 Legs 1 and 2, 1992. December 1994. 53p.

*94-31 Criqui, Nan P. Bibliography of the Scripps Institution of Oceanography Reference Series 1994. September 1995. 7p.

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95-1 Desjardins, Thomas and Eric Buck. Research vessel *Melville* handbook 1995 edition. Edited by Rose Dufour. January 1995. 46p.

95-2 Filonczuk, Maria K., Daniel R. Cayan and Laurence G. Riddle. Variability of marine fog along the California coast. Climate Research Division. July 1995. 105p.

95-3 Coastal data information program - monthly report. December 1994. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 226. January 1995. 181p.

95-4 Zuleger, Evelyn, Joris M. Gieskes and Chen-Feng You. Sediment cores on the Costa Rica accretionary prism (Atlantis II cruise 131-10): pore water studies. February 1995. 75p.

95-5 Day, Deborah. A guide to the Carl Henry Eckart papers, (1902-1973). Manuscript collection MC 22. Archives of the Scripps Institution of Oceanography. January 1995. 10p.

95-6 Day, Deborah. A guide to the Winfred Emory Allen papers, (1873-1947). Manuscript collection MC 23. Archives of the Scripps Institution of Oceanography. January 1995. 16p.

95-7 Dufour, Rose M. and William Gaines. Final 1994 research vessels and platform operating schedules. February 1995. 13p.

95-8 Coastal data information program - monthly report. January 1995. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 227. February 1995. 179p

95-9 Seymour, R. J., R. T. Guza, W. C. O'Reilly, D. Castel and J. O. Thomas. Coastal data information program. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Nineteenth annual report. January 1994 through December 1994. Ocean Engineering Research Group, Center for Coastal Studies. March 1995. 169p.

95-10 Coastal data information program - monthly report. February 1995. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 228. March 1995. 189p.

95-11 Hu, Jian-Hwa, Pearn P. Niiler and Jiou-Lin Lo. WOCE - KSVP data report of ARGOS tracked drifters for Kuroshio surface velocity program in World Ocean Circulation Experiment 1991 - 1996, v.1. National Taiwan Ocean University. May 1996. 82p.

95-12 Day, Deborah Cozort. A guide to the S.I.O. subject files records, 1890-1981. Archival collection AC 6. Archives of the Scripps Institution of Oceanography. March 1995. 121p.

95-13 Coastal data information program - monthly report. March 1995. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 229. April 1995. 147p.

95-14 Coastal data information program - monthly report. April 1995. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 230. May 1995. 145p.

95-15 Kastner, Miriam, James H. Natland and Edward L. Winterer, eds. Proceedings of the Symposium on Future Challenges in Scientific Ocean Drilling, July 8, 1991, Scripps Institution of Oceanography, La Jolla, California. September 1995. 63p.

95-16 Physical, chemical and biological data: CalCOFI Cruise 9408, 5-20 August 1994; CalCOFI Cruise 9410, 30 September-15 October 1994. August 1995. 99p.

95-17 Coastal data information program - monthly report. May 1995. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 231. May 1995. 143p.

95-18 Smith, Rebecca S. A guide to SIO ship operations and marine technical support (Robert L. Fisher) records, 1948-1987. Archival collection AC 17. Archives of the Scripps Institution of Oceanography. September 1995. 62p.

95-19 Elwany, M. Hany S., Alan B. Thum, Wendel Gayman, R. E. Flick and Saima Aijaz. Historical evaluation of San Dieguito Lagoon and inlet. Center for Coastal Studies. April 1995. 44p.

95-20 Coastal data information program - monthly report. June 1995. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 232. July 1995. 133p.

95-21 Coastal data information program - monthly report. July 1995. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 233. July 1995. 127p.

95-22 English, Gisele D. and Deborah Day. A guide to the Carl Leavitt Hubbs papers, 1920-1979. Manuscript collection MC 5. Second edition. Archives of the Scripps Institution of Oceanography. August 1995. 353p.

95-23 Wisegarver, D. P., J. L. Bullister, F. A. Van Woy, F. A. Menzia, R. F. Weiss, A. H. Orsi and P. K. Salameh. Chloro-fluorocarbon measurements in the southwestern Pacific during the CGC-90 expedition. (Also issued as NOAA data report ERL PMEL-57.) National Oceanic and Atmospheric Administration. Pacific Marine Environmental Laboratory. September 1995. 102p.

95-24 Luke, Spencer R. Catalog of the benthic invertebrate collections of the Scripps Institution of Oceanography Mollusca. October 1995. 174p.

95-25 Coastal data information program - monthly report. August 1995. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 234. August 1995. 131p.

95-26 Chavez, David, Jon Berger and Viatcheslav Bereza. The IDA near real time system; version 2.0. Institute of Geophysics and Planetary Physics. September 1995. 36p.

95-27 Sybrandy, A. L., C. Martin, P. P. Niiler, E. Charpentier and D. T. Meldrum. WOCE surface velocity programme barometer drifter construction manual. (Also issued as WOCE report no. 134/95 and DBCP report no. 4.) Published by the Data Buoy Co-operation Panel. September 1995. 69p.

95-28 Canceled.

95-29 Waldorf, B. W., J. L. Largier, S. Rennie, J. Austin and C. Greengrove. Coastal ocean processes (CoOP) pilot project data report: R/V Cape Hatteras shipboard measurements; underway, CTD, and ADCP data, August 1994. Center for Coastal Studies. n.d. 422p.

95-30 Walker, P. W., C. L. Fey and D. M. Newton. Surface water temperatures, salinities and densities at shore stations United States West Coast, 1994; including *five-meter temperatures, salinities, and densities* at Scripps Pier. Marine Life Research Group. October 1995. 45p.

95-31 Coastal data information program - monthly report. September 1995. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 235. September 1995. 141p.

95-32 Coastal data information program - monthly report. October 1995. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 236. October 1995. 179p.

95-33 Physical, chemical and biological data CalCOFI cruise 9501, 4-21 January 1995; CalCOFI cruise 9504, 6-22 April 1995. December 1995. 97p.

95-34 Coastal data information program - monthly report. November 1995. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 237. November 1995. 185p.

95-35 Coastal data information program - monthly report. December 1995. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 238. December 1995. 173p.

95-36 Worcester, Peter F. and Betty Ma. Ocean acoustic propagation atlas. December 1995. 103p.

*95-37 Criqui, Nan P. Bibliography of the Scripps Institution of Oceanography Reference Series 1995. September 1995. 7p.

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BIBLIOGRAPHY OF THE SCRIPPS INSTITUTION OF OCEANOGRAPHY REFERENCE SERIES 1996

96-1 Dufour, Rose M., Elizabeth Rios and William Gaines. Final 1995 Research vessels and platform operating schedules. February 1996. 17p.

96-2 Coastal data information program - monthly report. January 1996. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 239. January 1996. 146p.

96-3 Ricciardi, Dawnelle, Deborah Day, and Monica Peffer. A guide to the George Francis McEwen papers (1882-1972). Manuscript Collection MC 21. Archives of the Scripps Institution of Oceanography. January 1996. 42p.

96-4 Canceled

96-5 Coastal data information program - monthly report. February 1996. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 240. February 1996. 143p.

96-6a Coastal data information program - monthly report. March 1996. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 241. March 1996. 64p.

96-6b Coastal data information program - monthly report. April 1996. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 242. April 1996. 115p.

96-7 Barnett, Tim P., Ben Santer, and Karl Taylor. The potential effect of GCM uncertainties on greenhouse signal detection. May 1996. 23p.

96-8 Agnew, Duncan Carr. SPOTL: some programs for ocean-tide loading. Institute of Geophysics and Planetary Physics. June 1996. 35p.

96-9 Waldorf, B. W., J. L. Largier, S. Rennie, and J. Austin. Coastal Ocean Processes (CoOP) pilot project data report: R/V Cape Hatteras shipboard measurements; underway, CTD, and ADCP data October 1994. Center for Coastal Studies. n.d. 410p.

96-10 Coastal data information program - monthly report. May 1996. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 243. May 1996. 139p.

96-11 Physical, chemical and biological data: CalCOFI Cruise 9507, 6 - 23 July 1995; CalCOFI Cruise 9510,
6 - 28 October 1995. August 1996. 102p.

96-12 Jenkins, Scott A. and Douglas L. Inman. A coastal monitor/forecast system. Center for Coastal Studies. July 1996. 23p.

96-13 Inman, Douglas L. and Scott A. Jenkins. A chronology of ground mine studies and scour modeling in the vicinity of La Jolla. Center for Coastal Studies. August 1996. 29p.

96-14 Coastal data information program - monthly report. June 1996. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 244. June 1996. 148p.

96-15 Canceled

96-16 Rainey, Carolyn. A guide to the University of California Division of War Research Reports (1941-1953). Archival Collection 18. Archives of the Scripps Institution of Oceanography. July 1996. 53p.

96-17 Goodwillie, Andrew M. Producing gridded databases directly from contour maps. Geosciences Research Division. August 1996. 33p.

96-18 Seymour, R. J., R. T. Guza, W. C. O'Reilly, D. Castel, and J. O. Thomas. Coastal data information program. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Twentieth annual report. January 1995 through December 1995. Ocean Engineering Research Group, Center for Coastal Studies. December 1996. 218p.

96-19 Physical, chemical and biological data: CalCOFI Cruise 9602, 29 January - 16 February 1996; CalCOFI Cruise 9604, 15 April - 3 May 1996. October 1996. 98p.

96-20 Coastal data information program - monthly report. July 1996. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 245. July 1996. 138p.

96-21 Coastal data information program - monthly report. August 1996. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 246. August 1996. 127p.

96-22 Lange, Carina B., Arndt Schimmelmann, Memorie Yasuda, and Wolfgang H. Berger. Marine varves off southern California. September 1996. 56p.

96-23 Coastal data information program - monthly report. September 1996. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 247. September 1996. 122p.

96-24 Day, Deborah and Monica Peffer. A guide to the Ritter family papers (1841-1916). Manuscript Collection MC 15. Archives of the Scripps Institution of Oceanography. September 1996. 8p.

96-25 Peffer, Monica. A guide to the Sumner family papers (1875-1960). Manuscript Collection 11. Archives of the Scripps Institution of Oceanography. September 1996. 8p.

96-26 Stoffel, Jeffrey A. A guide to the Sargent family papers (1845-1978). Manuscript Collection 25. Archives of the Scripps Institution of Oceanography. June 1996. 25p.

96-27 Pierce, David W. The hybrid coupled model, version 3: technical notes. Climate Research Division. August 1996. 66p.

96-28 Sprintall, Janet, Alana Althaus, Dean Roemmich, Lisa Lehmann, Bruce Cornuelle, and Richard Bailey. High resolution XBT sections in the Pacific and Indian oceans, 1991-95. November 1996. 143p.

96-29 Largier, John L. and Kimball S. Millikan. Coastal Ocean Processes (CoOP) pilot project data report: R/V Moby Duck shipboard mea-

surements; CTD and underway data August-October 1994. Center for Coastal Studies. n.d. 151p.

96-30 Coastal data information program - monthly report. October 1996. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 248. October 1996. 127p.

96-31 Coastal data information program - monthly report. November 1996. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 249. November 1996. 119p.

96-32 Coastal data information program - monthly report. December 1996. A cooperative program by the U.S. Army Corps of Engineers and the California Department of Boating and Waterways. Monthly summary report no. 250. January 1997. 129p.

*96-33 Jennings, Paige A. Bibliography of the Scripps Institution of Oceanography Reference Series 1996. August 1997. 6p.

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97-01 Stammerjohn, Sharon E., Karen S. Baker, and Raymond C. Smith. Sea ice indexes for Southern Ocean Regional Marine Ecology Studies. UCMBO Data Report. n.d. 79p.

97-02 Dufour, Rose M., Elizabeth Rios, and William Gaines. Final 1996 research vessels and platform operating schedules. February 1997. 18p.

97-03 Spiess, F. N., D. E. Boegeman, R. Zimmerman, C. D. Chadwell, and J. A. Hildebrand. Precision transponder. Marine Physical Laboratory. February 1997. 19p.

97-04 Canceled

97-05 Shor, Elizabeth N. (Editor). Seeking signals in the sea: Recollections of the Marine Physical Laboratory. Marine Physical Laboratory. June 1997. 141p.

97-06 Sclater, John G., Marc Munschy, Robert L. Fisher, Pauline Weatherall, Steven C. Cande, Philippe Patriat, Hugh Bergh, and Roland Schlich. Geophysical synthesis of the Indian/Southern Oceans: Part 1, the Southwest Indian Ocean. (Also issued as EOST Publication No. 97.001 and Ae Publication No. 1.) June 1997. 67p.

97-07 Canceled

97-08 Chereskin, T. K., C. L. Harris, and M. Trunnell. Shipboard acoustic Doppler current profiling during the WOCE Indian Ocean expedition: I1. June 1997. 226p.

97-09 Niiler, Peter. Published scientific papers of Peter Niiler: 1964-1996. Two volumes. 1997. 1,667p.

97-10 Flick, Reinhard E., and Cope Willis (Editors). Proceedings of a workshop on the potential coastal impacts of an El Niño winter held at Scripps Institution of Oceanography 19 August 1997. September 1997. 68p.

97-11 Canceled

97-12 Canceled

97-13 Physical, chemical, and biological data: CalCOFI Cruise 9702, 29 January - 15 February 1997; CalCOFI Cruise 9704, 2 - 20 April 1997. December 1997. 104p.
97-14 Chereskin, T. K., and C. L. Harris. Shipboard acoustic Doppler current profiling during the WOCE Indian Ocean expedition: I10. December 1997. 137p.

97-15 George, Ron, and John L. Largier. Lagrangian drifter observations in San Diego Bay: Data report. Center for Coastal Studies. December 1997. 52p.

*97-16 Jennings, Paige A. Bibliography of the Scripps Institution of Oceanography Reference Series 1997. June 1998. 5p.

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1998

98-1 Smith, Rebecca Sherwood. A guide to the SIO Office of the Director (Nierenberg) records, 1904 - 1992. Archives Collection AC2. Archives of the Scripps Institution of Oceanography. January 1998. 186p.

98-2 Luke, Spencer R. Catalog of the Benthic Invertebrate Collections of the Scripps Institution of Oceanography: Coelenterata. March 1998. 58p.

98-3 Canceled

98-4 Canceled

98-5 Dufour, Rose M., Elizabeth Rios, and William Gaines. Final 1997 research vessels and platform operating schedules. March 1998. 22p.

98-6 Luke, Spencer R. Catalog of the Benthic Invertebrate Collections of the Scripps Institution of Oceanography: Porifera. June 1998. 31p.

98-7 Physical, chemical and biological data: Tasaday Expedition, Leg XI, 24 February - 18 March 1974; Dramamine II Expedition, 25 April - 18 May 1974; Krill Expedition, Leg I, 25 May - 4 June 1974; Leg II, 10 - 26 June 1974; Leg III, 5 - 21 July 1974; Leg IV, 27 July - 6 August 1974; Leg V, 11 - 19 August 1974; Leg VI, 24 - 30 August 1974. April 1998. 101p.

98-8 Worcester, Peter F. Report on the Office of Naval Research Long-Range Propagation Workshop, 3-4 March 1997. December 1998. 30p.

98-9 Inman, Douglas L., Scott A. Jenkins, and Joseph Wasyl. Database for streamflow and sediment flux of California rivers. Center for Coastal Studies. August 1998. 111p.

98-10 Canceled

98-11 Physical, chemical and biological data: CalCOFI Cruise 9608, 7 - 25 August 1996; CalCOFI Cruise 9610, 10 October - 2 November 1996. May 1998. 118p.

98-12 Owens, Kimberly M. A guide to the Scripps Institution of Oceanography Contracts and Grants Office records (1959 - 1996). Volume I. Archival Collection AC25. Archives of the Scripps Institution of Oceanography. January 1997. 250p.

98-12 Owens, Kimberly M. A guide to the Scripps Institution of Oceanography Contracts and Grants Office records (1959 - 1996). Volume II. Archival Collection AC25. Archives of the Scripps Institution of Oceanography. January 1997. 263p.

98-13 Day, Deborah. A guide to the S.I.O. Biographical Files records, 1903-1981. Revised addition [sic] of S.I.O. Reference Series 85-4. Archival Collection AC5. Archives of the Scripps Institution of Oceanography. May 1998 (Revised). 69p.

98-14 Alaoen, Josephine. A guide to the S.I.O. Scripps Industrial Associates Records, 1969-1991. Archives Collection AC8. Archives of the Scripps Institution of Oceanography. January 1999. 35p.

98-15 Hamilton, Megan, Claudia Avendano, Doug Gibson, Reinhard E. Flick, and M. Hany S. Elwany. Monitoring of sand disposed in the nearshore environment. Data Report No. 1, 1 March 1997 - 30 April 1998. Project sponsored by the California Department of Boating and Waterways. Center for Coastal Studies. August 1998. 107p.

98-16 Rainey, Carolyn. Wet suit pursuit: Hugh Bradner's development of the first wet suit. Archives of the Scripps Institution of Oceanography. November 1998. 10p.

98-17 Canceled

98-18 Sharp, Sarah L. (Interviewer). Oceanography, population resources and the world: Roger Randall Dougan Revelle, the international scientist. Oral history memoir series. Regents of the University of California. Prepared by Archives of the Scripps Institution of Oceanography. October 1998. 101p.

98-19 Alaoen, Josephine. A guide to the Fred B. [sic] Phleger (1909-1993) papers, 1955-1986. Manuscript Collection MC26. Archives of the Scripps Institution of Oceanography. April 1998. 39p.

98-20 Jennings, Paige A. Bibliography of the Scripps Institution of Oceanography Reference Series 1998. July 1999. 5p.

BIBLIOGRAPHY OF THE
SCRIPPS INSTITUTION OF OCEANOGRAPHY
REFERENCE SERIES
1999

99-1 George, Ron, John L. Largier, and Todd Switzer. Lagrangian drifter observations in rip currents: Data report. Center for Coastal Studies. January 1999. 77p.

99-2 Spiess, F. N., M. Kyo, J. A. Hildebrand, and C. de Moustier. Marine Physical Laboratory borehole reentry system: Design & operation. January 1999. 52p.

99-3 The future of ocean bottom seismology, 10-11 July 1997, at the Monterey Bay Aquarium Research Institute (MBARI), sponsored by the National Science Foundation. Cecil H. and Ida M. Green Institute of Geophysics and Planetary Physics. n.d. 55p.

99-4 Canceled

99-5 Physical, chemical and biological data: CalCOFI Cruise 9707, 1-18 July 1997; CalCOFI Cruise 9709, 20 September-6 October 1997; CalCOFI Cruise 9712, 13-16 December 1997. April 1999. 113p.

99-6 Day, Deborah. A guide to the S.I.O. Staff Council Record, 1958-1998. Archival Collection AC22. Archives of the Scripps Institution of Oceanography. October 1997. 12p.

99-7 Winant, Clinton D. and Guillermo Gutierrez de Velasco. Impact of the development of the Salitrales de San Ignacio on currents and water properties in Laguna San Ignacio, B.C.S. Final Technical Report for UABCS Agreement No.971343 (dated September 25th 1997). June 1999. 59p.

99-7 (Spanish translation) Winant, Clinton D. and Guillermo Gutierrez de Velasco. Impacto del desarrollo de los Salitrales de San Ignacio sobre las corrientes y propedades del agua de la Laguna San Ignacio, B.C.S. Reporte Técnico Final, Convenio con UABCS No.971343 (25 de Septiembre de 1997). June 1999. 59p.

99-8 Dayton, Paul K. and Enric Sala. Potential impacts of the construction of an intake channel and seawater pumping on the benthic communities of the upper part of the San Ignacio Lagoon. Final Technical Report for UABCS Agreement No.971343 (dated 9/25/97). June 1999. 97p.

99-8 (Spanish translation) Dayton, Paul K. and Enric Sala. Impactos potenciales de la construcción de un canal de llamada y bombeo de agua marina sobre las comunidades de la parte superior de la Laguna Ignacio. Reporte Téchnico Final Convenio con UABCS No. 971343 (25 de Septiembre de 1997). June 1999. 105p.

99-9 Physical, chemical and biological data: CalCOFI Cruise 9802, 23 January-14 February 1998; CalCOFI Cruise 9803, 11-17 March 1998; CalCOFI Cruise 9804, 2-23 April 1998; CalCOFI Cruise 9805, 16-22 May 1998; CalCOFI Cruise 9806, 17-23 June 1998. July 1999. 160p.

99-10 Day, Deborah, Luan Dinh, and Kathleen Hempsey. A guide to the Robert Sinclair Dietz papers, 1905-1994. MC28. Archives of the Scripps Institution of Oceanography. April 1999. 55p.

99-11 Day, Deborah, Barrie Alexanders, Joan Semler, and Stephen Tibbetts. A guide to the Charles Atwood Kofoid papers, 1862-1951. Manuscript Collection MC24. Archives of the Scripps Institution of Oceanography. Originally printed October 1994. 42p.

99-12 Morgan, Judith (Interviewer). Ellen Revelle Eckis: A Scripps legacy. Oral history. August 1999. 176p.

99-13 Dufour, Rose M., Elizabeth Rios, and William Gaines. Final 1998 research vessels and platform operating schedules. March 1998. 19p.

99-14 Baker, Karen S., Dawn S. Rawls, Scott Bell, Besse Dawson, Mary Ann Wallace, and Will Winn. 25-28 July 1999: Proceedings of the Palmer Long-Term Ecological Research Education Outreach Forum. n.d. 58p.

99-15 Canceled

99-16 Diggs, S., J. Kappa, D. Bartolacci, and J. Swift. WOCE Hydrographic Program Office WHP CD-ROM Version 1.5. 1 CD. September 1999. 14p.

99-17 Lundquist, Jessica. California and Oregon humidity and coastal fog: A study of summer 1996. October 1999. 93p.

99-18 Physical, chemical and biological data: CalCOFI Cruise 9807, 9-27 July 1998; CalCOFI Cruise 9808, 12-18 August 1998; CalCOFI Cruise 9809, 13 September-1 October 1998; CalCOFI Cruise 9810, 16-22 October 1998; CalCOFI Cruise 9811, 18-24 November 1998; CalCOFI Cruise 9812, 10-15 December 1998. November 1999. 171p.

99-19 Hill, Kevin T. and Niklas Schneider. Historical logbook databases from California's commercial passenger fishing vessel (Partyboat) fishery, 1936-1997. California Department of Fish and Game and Climate Research Division. December 1999. 63p.

99-20 Flick, Reinhard E., Joseph f. Murray, and Lesley C. Ewing. Trends in U.S. tidal datum statistics and tide range: A data report atlas. December 1999. 212p.

99-21 Hamilton, Megan, Claudia Avendano, Reinhard E. Flick, M. Hany S. Elwany. Monitoring of sand disposed in the nearshore environment. Data Report No. 2, 1

May 1998-30 November 1999. California Department of Boating and Waterways and Center for Coastal Studies. December 1999. 318p.

99-22 Jennings, Paige A. Bibliography of the Scripps Institution of Oceanography Reference Series 1999. October 2000. 5p.

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2000

00-1. Barnett, Tim P., Gabriele Hegerl, Thomas Knutson, and Simon Tett. Uncertainty levels in predicted patterns of anthropogenic climate change. January 2000. 55p.

00-2. Smith, Raymond C., Sharon E. Stammerjohn, and Karen S. Baker. Palmer longterm ecological research: LTER sea ice cruise June-July 1999 (NBP99-6). January 2000. CD ROM.

00-3. Canceled

00-4. Henke, Christopher (interviewer). Dr. Fred Noel Spiess. Emeritus professor of oceanography, SIO, UCSD. (Oral history transcription) SIO Centennial Oral History Project, SIO Office of the Director. Archives, Scripps Institution of Oceanography. March 2000. 80p.

00-5. Dufour, Rose M. and Elizabeth Brenner. Final 1999 research vessels and platform operating schedules. March 1999. 17p.

00-6. Physical, chemical and biological data: CalCOFI Cruise 9901, 9 - 29 January 1999; CalCOFI Cruise 9904, 1 - 20 April 1999. April 2000. 99p.

00-7. Elwany, M. Hany S., Anne-Lise Lindquist, Reinhard E. Flick, William C. O'Reilly, John Reitzel, and William A. Boyd. Study of sediment transport conditions in the vicinity of Agua Hedionda Lagoon. Volume I: Technical report. Center for Coastal Studies. January 1999. 137p.

00-8. Elwany, M. Hany S., Anne-Lise Lindquist, Reinhard E. Flick, William C. O'Reilly, John Reitzel, and William A. Boyd. Study of sediment transport conditions in the vicinity of Agua Hedionda Lagoon. Volume II:

Data report. Center for Coastal Studies. December 1998. 102p.

00-9. Diaz, Ing. Susana and Maria Vernet. Report of the Calibration and Data Quality/Data Assurance of a South American Network for the Measurement of Ultraviolet Radiation. Inter-American Institute for Global Change Research. (IAI). May 2000. 68p.

00-10. Physical, chemical and biological data: CalCOFI Cruise 9908, 7 - 29 August 1999; CalCOFI Cruise 9910, 3 - 21 October 1999. June 2000. 104p.

00-11. Diggs, Steven C., Jerry L. Kappa, Danielle M. Bartolacci, and James H. Swift. WOCE Hydrographic Program. July 2000. WHP CD-ROM, Version 2.0.

00-12. Day, Deborah Cozort (interviewer). Frances Lawrence Parker. Research Geologist, SIO, UCSD. (Oral history transcription) SIO Centennial Oral History Project, SIO Office of the Director. Archives, Scripps Institution of Oceanography. June 2000. 37p.

00-13. Baker, Alison, Karen S. Baker, and Maria Vernet. The impact of filter techniques on chlorophyll determinations and size fractionation. UC Marine Bio Optics Group. n.d. 36p.

00-14. Keeling, Charles D. and Stephen C. Piper. Interannual variations of exchanges of atmospheric CO_2 and $^{13}CO_2$ with the terrestrial biosphere and oceans from 1978 to 2000. III. Simulated sources and sinks. July 2000. 70p.

00-15. Day, Deborah, Marc Adams, Josephine Alaoen, Jon Mogilski, Dennis Monday, and Carolyn Rainey. A guide to the Edward Allan Frieman papers, (1959-2000). Manuscript Collection MC77. Archives of the Scripps Institution of Oceanography. September 2000. 162p.

00-16. Physical, chemical and biological data: CalCOFI Cruise 0001, 7 - 27 January 2000; CalCOFI Cruise 0004, 7 - 29 April 2000. October 2000 102p.

00-17. Canceled. Superseded by 01-11.

00-18. Canceled.

00-19. Berger, Jonathan, David Horwitt, Robert C. Goff, Steven W. Braun, and David E. Chavez. The IDA Mark 8 data acquisition system. Institute of Geophysics and Planetary Physics. October 2000. 36p.

00-20. Criqui, Nan P., Kittie K. Kuhns, Paige Jennings, and Jennifer E. Chung. Research Activities 2000. Thirty-first edition. November 2000. 129p.

00-21. Canceled. Superseded by 01-6.

00-22. Canceled. Superseded by 01-7.

00-23. Canceled. Superseded by 01-8.

00-24. Canceled. Superseded by 01-9.

00-25. Keeling, Ralph F. On the freshwater forcing of the thermohaline circulation in the limit of no vertical mixing. December 2000. 49p.

0-26. Criqui, Nan P. Bibliography of the Scripps Institution of Oceanography Reference Series. November 2001. 5p.

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*Published in English and Spanish

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SCRIPPS INSTITUTION OF OCEANOGRAPHY
REFERENCE SERIES
2001

01-01 Winant, Clinton, et al. Quality review board - minutes of meeting no. 7; 7 - 9 March 2000. Analysis and acquisition of observations of the circulation on the California Continental Shelf. Center for Coastal Studies. CD ROM.

01-02 Canceled

01-03 Canceled

01-04 Sclater, John G. and Robert C. Decesari. A compilation of marine heat flow data within the Gulf of California and the California Borderland. Geosciences Research Division. May 2001. 22p.

01-05 CalCOFI data report - physical, chemical and biological data: CalCOFI cruise 0007; 29 June-14 July 2000; CalCOFI cruise 0010, 12-31 October 2000. June 2001. 102p.

01-06 Keeling, Charles D., Stephen C. Piper, Robert B. Bacastow, Martin Wahlen, Timothy P. Whorf, Martin Heimann, and Harro A. Meijer. Exchanges of atmospheric CO_2 and $^{13}CO_2$ with the terrestrial biosphere and oceans from 1978 to 2000. I. Global aspects. Revised. June 2001. 92p.

01-07 Piper, Stephen C., Charles D. Keeling, Martin Heimann, and Elisabeth F. Stewart. Exchanges of atmospheric CO_2 and $^{13}CO_2$ with the terrestrial biosphere and oceans from 1978 to 2000. II. A three-dimensional tracer inversion model to deduce regional fluxes. Revised. June 2001. 58p.

01-08 Piper, Stephen C., Charles D. Keeling, and Elisabeth F. Stewart. Exchanges of atmospheric CO_2 and $^{13}CO_2$ with the terrestrial biosphere and oceans from 1978 to 2000. III. Sensitivity tests. Revised. June 2001. 88p.

01-09 Keeling, Charles D. and Stephen C. Piper. Exchanges of atmospheric CO_2 and $^{13}CO_2$ with the terrestrial biosphere and oceans from 1978 to 2000. IV. Critical overview. Revised. June 2001. 68p.

01-10 Davis, Peter, Jonathan Berger, and David Horwitz. The IDA Mark 7 data acquisition system filter problem. Cecil H. and Ida M. Green Institute of Geophysics and Planetary Physics. June 2001. 57p.

01-11 Keeling, Charles D., Peter R. Guenther, Guy Emanuele III, Alane Bollenbacher, and David J. Moss. Scripps reference gas calibration system for carbon dioxide-in-nitrogen and carbon dioxide-in-air standards: Revision of 1999 (with addendum). A report prepared for the Global Environmental Monitoring Program of the World Meteorological Organization. March 2002. 195p.

01-12 Thomas, William H., Tania Zavoico, and Christopher Hewes. Historical phytoplankton species time-series data (1917-1939) from the North American Pacific Coast. (This number provides these data on the CD titled W. E. Allen's phytoplankton species time series data (1917-1939) from the North American Pacific Coast). December 2001. CD ROM or 17p.

01-13 Flick, Reinhard E. and Holly J. Celico (eds.). Abstract volume. California Shore and Beach Preservation Association - CSBPA and California Coastal Coalition - CalCoast. 2001 annual conference. Restoring the beach; science, policy and funding; 8 - 10 November 2001, Holiday Inn on the Bay, San Diego, California. November 2001. 91p.

01-14 Criqui, Nan P. and Kittie K. Kuhns. Research activities, 2001 - thirty-second edition. October 2001. Technical Publications Office. 138p.

01-15 Flick, Reinhard E. and Walter F. Crampton. Coastal field trip itinerary and guide. Restoring the beach; science, policy and funding. California Shore and Beach Preservation Association - CSBPA and California Coastal Coalition - CalCoast. 2001 annual conference, San Diego, California. November 2001. 9p.

01-16 Brenner, Elizabeth and Rose M. Dufour. Final 2000 research vessels schedules. March 2002. 16p.

01-17 Criqui, Nan P. and Kittie K. Kuhns. Bibliography of the *Scripps Institution of Oceanography Reference Series 2001*. Technical Publications Office. June 2002. 5p.

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BIBLIOGRAPHY OF THE SCRIPPS INSTITUTION OF OCEANOGRAPHY REFERENCE SERIES 2002

02-1. Dufour, Rose M./Elizabeth Brenner. Final 2001 research vessels. May 2002. 18p.

02-2 Jenkins, Scott A. and Douglas L. Inman. Model for mine scour and burial: An illustrated abstract with technical appendix. January 2002. 42p.

02-3 Eakins, Barry, Fred Speiss, and Christian de Moustier. Deep tow sidescan sonar survey of Tanner and Cortes Banks, Southern Califronia borderland. March 2002. 61p.

02-4

02-5 Pierce, David W., Tim P. Barnett, Robin Tokmakian, Albert Semtner, Mathew Maltrud, JoAnne Lysne, and Anthony Craig. The ACPI demonstration project, element 1: Initializing the coupled model from observed conditions. February 2002. 30p.

02-6

02-7 Physical, chemical, and biological data: CalCOFI Cruise 0101, 7-26 January 2001; CalCOFI Cruise 0104, 6 April-3 May 2001. May 2002. 104p.

02-8 Inman, Douglas L. and Scott A. Jenkins. Scour and burial of bottom mines: A primer for fleet use. September 2002. 125p.

02-9

02-10 Criqui Nan P. and Kittie K. Kuhns. Research Activities 2002. Thirty-Third edition. September 2002. 142p.

02-11 Physical, chemical, and biological data: CalCOFI Cruise 0107, 10-27 July 2001; CalCOFI Cruise 0110, 25 October-9 November 2001. October 2002. 107p.

02-12 Flick, Reinhard E. and E. H. Sterrett. Monterey Bay, CA. Coastal field trip itinerary and guide. November 2002. 9p.

02-13 Lett, Phyllis C. Bibliography of the Scripps Institution of Oceanography Reference Series. March 2003. 2p.