

Appendix B

MEETINGS SYMPOSIA, AND SEMINARS

SYMPOSIA AND CONFERENCES

Meeting of the Marine and Estuarine Technical Committee on the Carmel Ocean Outfall, California Water Resources Control Board, Monterey, California, 7 July 1977. Alan J. Mearns, advisor to the Institute of Marine Resources, University of California.

Annual Meeting of the American Fisheries Society, Vancouver, British Columbia, 12-16 September 1977. Talk given by Alan J. Mearns.

Meeting of the American Institute of Fisheries Research Biologists, San Juan Capistrano, California, 20 September 1977. Attended by Alan J. Mearns.

Annual Meeting of the California Cooperative Fisheries Investigations, La Jolla, California, 1-3 November 1977. Talks given by Tareah J. Hendricks, Alan J. Mearns, and Jack Q. Word.

Colloquium on California Fishery Production, Southwest Fisheries Center, National Marine Fisheries Service, La Jolla, California, 8 November 1977. Attended by Alan J. Mearns.

Meeting of the Engineering Institute, University of Southern California, 1 December 1977. Willard Bascom, guest speaker.

Meeting of the American Geophysical Union, San Francisco, California, 5-9 December 1977. Papers presented by James R. Herring, Philip S. Oshida, and David R. Young.

West Coast Coelenterate Colloquium, Santa Barbara, California, 9-11 December 1977. Jack Q. Word, Co-Chairman.

San Francisco Bay Marine Advisory Meeting, California Water Resources Control Board, Berkeley, California, 18 January 1978. Alan J. Mearns, consultant.

U.S. Environmental Protection Agency Hearings on Modification of Secondary Treatment Requirements for Discharges into Marine Waters, San Francisco, California, 22 January 1978. Testimony given by Willard Bascom.

Meeting of the American Institute of Fisheries Research Biologists, San Juan Capistrano, California, 24 January 1978. Attended by Alan J. Mearns.

Van Nuys Water Fair, Van Nuys, California, 29 January 1978. Alan J. Mearns, guest speaker.

Meeting of the Salton Sea Desert Pupfish Committee, California Department of Fish and Game, Los Angeles, 1 February 1978. Alan J. Mearns, advisor.

Review Meeting on the Puget Sound Interim Studies, METRO, Seattle, Washington, 8-9 February 1978. Alan J. Mearns, advisor.

Ocean Pollution Research Workshop, National Oceanic and Atmospheric Administration, Portland, Oregon, 23-24 February 1978. Talk given by David R. Young.

San Diego Regional Water Quality Control Board Hearings on Modification of Secondary Treatment Requirements for Discharges into Marine Waters, San Diego, California, 27 February 1978. Testimony given by Willard Bascom.

Meeting of the Salton Sea Desert Pupfish Committee, California Department of Fish and Game, Chino Field Station, California, 1 March 1978. Alan J. Mearns, advisor.

Meeting of the American Institute of Fisheries Research Biologists, San Juan Capistrano, 7 March 1978. Attended by Alan J. Mearns.

Ecology Seminar Series, University of California at San Diego and Scripps Institution of Oceanography, La Jolla, California, 8 March 1978. Jack Q. Word, guest speaker.

Symposium on Energy and Resource Development of Continental Margins, University of Southern California, Los Angeles, 8-10 March 1978. Talk given by David R. Young.

Symposium on Particulates in Water: Characterization, Fate, Effects, and Removal, 175th Meeting of the American Chemical

Society, Anaheim, California, 13-15 March 1978. Papers presented by James R. Herring and David R. Young.

Meeting of the Palos Verdes Oceanographic Society, Rolling Hills, California, 15 March 1978. Alan J. Mearns, guest speaker.

(Sixth) Congreso Nacional de Oceanografia, Unidad de Ciencias Marinas, Ensenada, Baja California, Mexico, 10-13 April 1978. Talks given by Alan J. Mearns and Jack Q. Word.

Meeting of the Water Pollution Control Federation, 18 April 1978, Washington, D.C. Speech given by Willard Bascom.

Diablo Canyon Power Plant Seminar, Pacific Gas and Electric Company, San Luis Obispo, California, 21 April 1978. Alan J. Mearns, advisor.

Oceanic Society Meeting, San Monica, California, 2 May 1978. Jack Q. Word, guest speaker.

Meeting of the National Academy of Sciences, 1-2 May 1978, Washington, D.C. Paper presented by Willard Bascom.

Meeting of the American Institute of Fisheries Research Biologists, San Juan Capistrano, California, 2 May 1978. Attended by Alan J. Mearns. Annual

Meeting of the Southern California Academy of Sciences, Los Angeles, 6 May 1978. Judged by Alan J. Mearns.

Southwestern Marine Education Conference, Long Beach, California, 22 May 1978. Alan J. Mearns, guest speaker.

Meeting of the American Cetacean Society, Santa Monica, California, 22 May 1978. Alan J. Mearns, guest speaker.

Hearings of the Subcommittee on Water Resources, U.S. House of Representatives, Committee on Public Works and Transportation, 24-25 May 1978, Washington, D.C. Testimony given by John D. Isaacs, Erman A. Pearson, and Willard Bascom.

Stock Abundance Estimation Workshop, American Institute of Fisheries Research Biologists, San Clemente, California, 6 June 1978. Attended by Alan J. Mearns, Michael D. Moore, and Marjorie J. Sherwood.

Ecology Day, Coastal Water Research Project, El Segundo, California, 21 June 1978. Talks given by staff members.

75th Anniversary Symposium, Scripps Institution of Oceanography, La Jolla, California, 24 June 1978. Talk given by David R. Young.

SEMINARS HELD AT THE PROJECT

The Coastal Water Research Project's Seminar Series is de-signed to promote exchanges of ideas and information among scientists studying the ocean and marine pollution. Seminars are held on a regular basis—usually on Tuesday at 11:00am—at the Project headquarters in El Segundo; people interested in attending should ask that their names be placed on the seminar notice mailing list. The seminars held this year are listed below.

California Fish Landing Statistics. Leo Pinkas, California Department of Fish and Game, Long Beach. 27 September 1977.

Sea Urchin and Abalone Recruitment Patterns. Dr. Mia J. Tegner, Scripps Institution of Oceanography, La Jolla. 4 October 1977.

Changes in Benthic Communities at Palos Verdes, 1970-77. Dr. Irwin Haydock, Los Angeles County Sanitation Districts, Whittier. 11 October 1977.

More About Developing Countries' Sanitation. Dr. Charles Gunnerson, National Oceanic and Atmospheric Administration, Boulder, Colorado. 18 October 1977.

1975-76 Bureau of Land Management Baseline Studies of Benthic Infauna. Dr. Gilbert F. Jones, University of Southern California, Los Angeles. 1 November 1977.

Nutrient Removal from Sewage Effluent by Algae. Dr. David Chapman, University of California, Los Angeles. 1 November 1977.

Effects of Environmental Stress on Kelp. Dr. Craig Barilotti, California State University, San Diego. 8 November 1977.

Physiology of Deepsea Animals. Dr. Bruce Belman, Newport Beach. 15 November 1977.

Coastal Fish: Where Do They Come From? Where Do They Go? Dr. Alan J. Mearns, Coastal Water Research Project. 22 November 1977.

Amino Acid Metabolism in Marine Fish. Karen Bever, University of Southern California, Los Angeles. 29 November 1977.

Stable Nitrogen Isotopes as a Tracer of Domestic Sewage Effluent in the Ocean. Dr. Robert Sweeney, University of California, Los Angeles, and Global Chemistry, Inc. 13 December 1977.

Interaction of Particulate Carbon in the Ocean. Dr. Peter M. Williams, Scripps Institution of Oceanography, La Jolla. 13 December 1977.

Physical/Chemical State of Trace Metals in Freshwater/Sea-water Systems as Related to Problems of Water Quality and Coastal Engineering. Prof. Anejan de Groot, Institute for Soil Fertility, the Netherlands. 14 December 1977.

Views of the Professional Fisherman. Frank Brocato and Andrew Mardesich, San Pedro. 20 December 1977.

Bioavailability of Sediment-Bound Trace Metals to Benthos. Dr. Samuel Luoma, Water Resources Division, U.S. Geological Survey, Menlo Park, California. 10 January 1978.

Copper in Seawater--Measurement and Implications. Dr. Albert Zirino, Naval Ocean Systems Center, San Diego. 17 January 1978.

Toxicity of Copper to Marine Animals. Florence Harrison, Lawrence Livermore Laboratories, Livermore, California. 24 January 1978.

Light, Nutrients, and Primary Production in the Sea. Dr. Dale A. Kiefer, University of Southern California, Los Angeles. 7 February 1978.

Trace Pollutants in Ground Water Recharge. Dr. James Leckie, Stanford University, Stanford, California. 14 February 1978.

Low-Level Effects of Seawater Copper, Zinc, and Manganese on Marine Phytoplankton. Dr. George Knauer, Moss Landing Marine Laboratories, Moss Landing, California. 21 February 1978.

Problems in Implementing U.S. Water Quality Goals. Dr. Walter Westman, University of California, Los Angeles. 28 February 1978.

Luminous Bacteria as Potential Indicators of Mutagenic Compounds. Dr. Kenneth H. Nealson, Scripps Institution of Oceanography, La Jolla. 21 March 1978.

Chemistry of Anaerobic Basins. Dr. Joris Gieskes, Scripps Institution of Oceanography, La Jolla. 28 March 1978.

Marine Plant Mariculture. Dr. Michael Neushul, University of California, Santa Barbara. 4 April 1978.

Trophic Structure of Kelp Bed Fish Assemblages. Dr. Alfred Ebeling, University of California, Santa Barbara. 11 April 1978.

Management of Clam Populations. Eric Knaggs, California Department of Fish and Game, Long Beach. 18 April 1978.

Aging of Fish by Underwater Acoustics. Dr. Paul Smith, National Marine Fisheries Service, La Jolla. 25 April 1978.

Tuna/Porpoise Politics and Conservation. Dr. Gary Smith, National Marine Fisheries Service, Terminal Island, Los Angeles. 2 May 1978.

Larval Transport in the California Current Region. Dr. Richard Parrish, Pacific Environmental Group, National Marine Fisheries Service, Monterey, California. 16 May 1978.

Small Particle Measurement and Identification; Laser Light Scattering Bacterial Bioassay as a Measurement of Water Quality. Dr. Philip J. Wyatt, Science Spectrum, Inc., Santa Barbara. 23 May 1978.

Nearshore Zooplankton Distribution and Sampling; Zooplankton/Particle Interactions. Dr. M.M. Mullen, Scripps Institution of Oceanography, La Jolla. 30 May 1978.

TAXONOMIC STANDARDIZATION MEETINGS

The Project is promoting a regional approach to the identification and reporting of fishes and invertebrates through its taxonomic standardization program. We have continued to hold regular meetings with biologists from the major monitoring agencies to review and compare species lists and reference materials. The sessions held during the past year were:

- 8 September 1977. Superfamily Eunicia (Polychaeta), John Shisko, Hyperion Treatment Plant, City of Los Angeles. The Polychaete genera Anobothrus, Goniada, and Glycinde, Susan Williams, University of Southern California and U.S. Bureau of Land Management. Variability between field and laboratory populations of polychaetes. Dr. Donald J. Reish, California State University at Long Beach.

- 25 October 1977. Systematics of southern California Holothuroidea, Mary Bergen Wright, Allan Hancock Foundation, University of Southern California. Trochids of California, part 1: The mollusc subfamilies Monodontinae and Calliostomatinae, Donald Cadien, Marine Biological Consultants, Inc.
- 9 December 1977 (this meeting was held in conjunction with the West Coast Coelenterate Colloquium, 9-11 December, at the Santa Barbara Museum of Natural History). Octocorals of the eastern Pacific (excluding gorgonaceans), Dr. F.G. Hochberg, Jr., Santa Barbara Museum of Natural History. Identification and distribution of gorgoniid corals of the eastern Pacific, David G. Harden, Interstate Electronics Corp. New and unusual Cnidaria from the Southern California Bight, and The zoogeography of Cnidaria in southern California, John C. Ljubenkov, University of Southern California and U.S. Bureau of Land Management. Variation in *Aglaophenia strobiloides* (Murray), Christopher Tarp, University of California at Berkeley. New species of jellyfishes from the West Coast, Claudia Mills, Bodega Marine Laboratory. Taxonomy and distribution of West Coast scyphomedusae, Ronald Larson, Smithsonian Institution.
- 2 March 1978. Southern California gorgonians, David G. Harden, Interstate Electronics Corp. "Adventures among the Anthropophagi, with a footnote on the significance of the Pycnogonida and other taxonomic aberrations, or. Mitigation, the mudpie state of applied ecology," Dr. Joel W. Hedgpeth.
- 25 May 1978. North American Aphrodzta (Polychaeta), Mark Rossi, Allan Hancock Foundation, University of Southern California. Southern California Pyrosoma, Eriteptus and Podocorymba (Decapoda), Ann Martin, Orange County Sanitation Districts. A guide to the preliminary artificial key to the southern California ascidians. Dr. James A. Vallee, Pacific Bio-Marine Laboratories, Inc.

The meetings were attended by representatives of over 40 universities, government agencies, and private organizations.