

# HISTORY ORGANIZATION AND STAFF

The Coastal Water Research Project was founded in 1969, when five local government agencies (Ventura County, the Cities of San Diego and Los Angeles, and the County Sanitation Districts of Los Angeles and Orange Counties) entered into a joint powers agreement to sponsor environmental studies. Their intention was to develop regional scientific information on the coastal waters extending from Point Conception to the Mexican border. To keep the Project free of partisan pressures, its control was delegated to a commission of local civic leaders and elected officials, who would reflect the public concern for environmental quality. The financial support from the local government agencies has been supplemented in the last few years by a series of grants from the U.S. Environmental Protection Agency, the Institute of Marine Resources of the University of California, the State Water Resources Control Board, and others.

The Project's 30 scientists are organized into three divisions—biology, chemistry, and engineering, as shown on the organization chart (Figure 1). The staff receives overall guidance from a consulting board of eminent scientists from five major universities. The members of the research team are identified in the following paragraphs and in Figure 2. Our scientific and technical associates are listed in Figures 3, 4, and 5.

### WILLARD BASCOM, Project Director

Mr. Bascom has been involved in oceanographic work since 1945. The early part of his career was spent with the University of California, both at Berkeley and at Scripps Institution of Oceanography, researching waves and beaches; he later directed the Mohole Project for the National Academy of Sciences. In recent years, he has organized and led many ocean science and engineering projects around the world. Mr. Bascom is author of many books and papers about the ocean, a member of several senior government advisory committees, and a frequent university lecturer.

ALAN J. MEARNS, Fisheries Biologist

Dr. Mearns is head of the Project's biology division. He is an expert on the effects of environmental stress on marine fish and invertebrates. Dr. Mearns received his bachelors and masters degrees from California State University at Long Beach and was a Water Pollution Trainee on a 4-year program at the College of Fisheries, University of Washington, Seattle, where he received his Ph.D. degree in 1971. He has conducted detailed physiological studies in the Arctic Ocean and Bristol Bay (Alaska), Puget Sound, and southern California.

DAVID R. YOUNG, Chemical Oceanographer

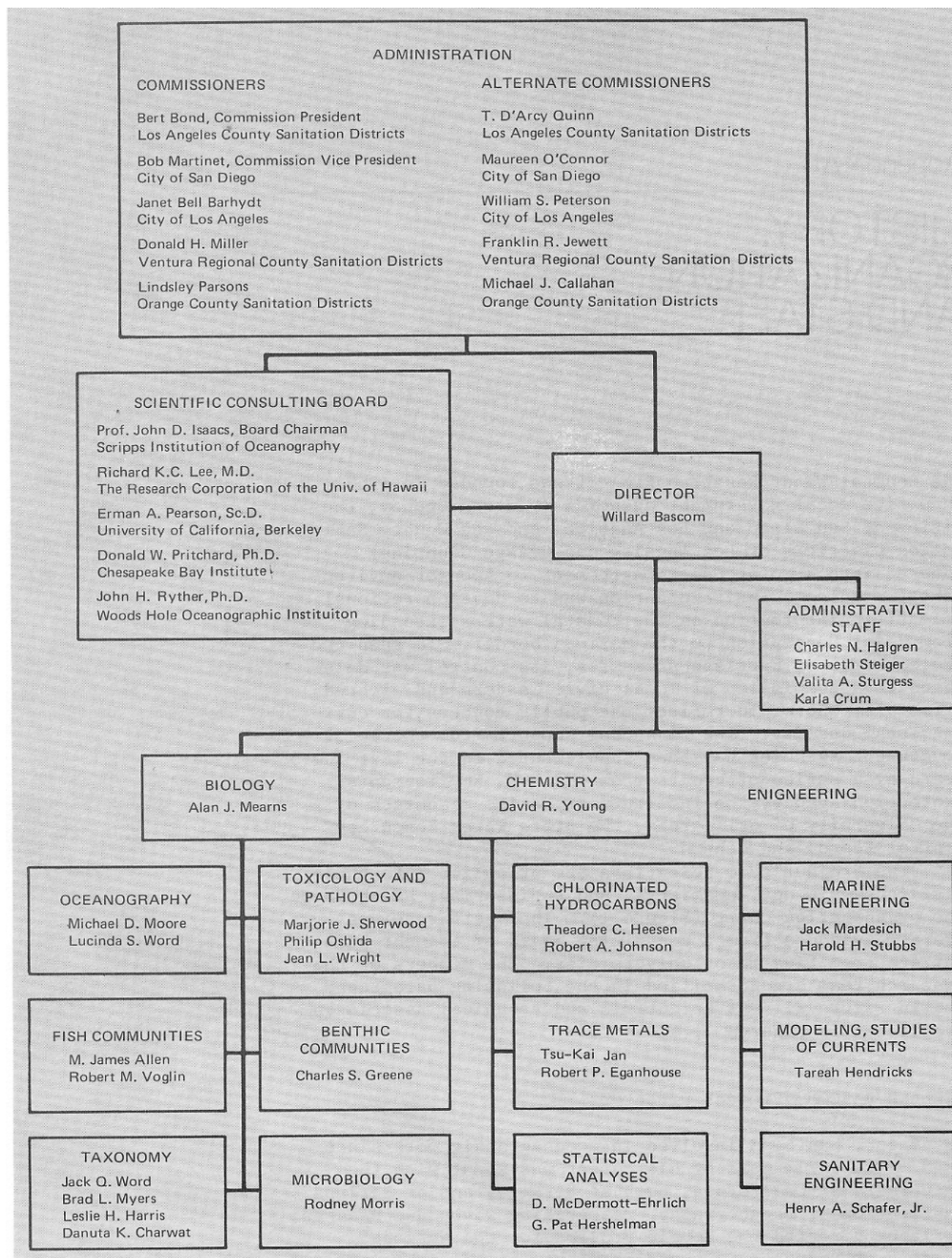
Dr. Young is head of the chemistry department and an expert on trace metals and toxic organic materials in marine life. He received his bachelors degree in physics from Pomona College in 1960 and then studied nuclear engineering at UCLA. After extensive study at the Scripps Institution of Oceanography on the problems of low-level radioactivity in the marine environment. Dr. Young received a Ph.D. degree in chemical and biological oceanography. He is the author of a number of papers on cycling of trace contaminants in the ecosystem.

JACK MARDESICH, Engineer

Mr. Mardesich has spent his life working on the design, construction, and operation of all kinds of marine equipment. He was educated at Northrop Institute of Technology, California State University at Long Beach, and the University of Southern California, receiving a B.S. from the latter in 1955. Mr. Mardesich spent 3 years in South Africa as chief engineer of a large marine diamond prospecting operation. He is an expert on marine hydraulics and instrumentation, including underwater television systems.

TAREAH HENDRICKS, Physicist

Dr. Hendricks brings mathematical order to the Project's diverse findings in chemistry, biology, and oceanography. He obtained a B.S. degree from the University of California at Berkeley with "highest honors" in physics and a Ph.D. from the University of California at San Diego as a National Science Foundation fellow in 1967. Dr. Hendricks' previous research has focused on high energy physics, sanitary engineering, and experimental reverse osmosis.



**Figure 1. Coastal Water Research Project organization.**

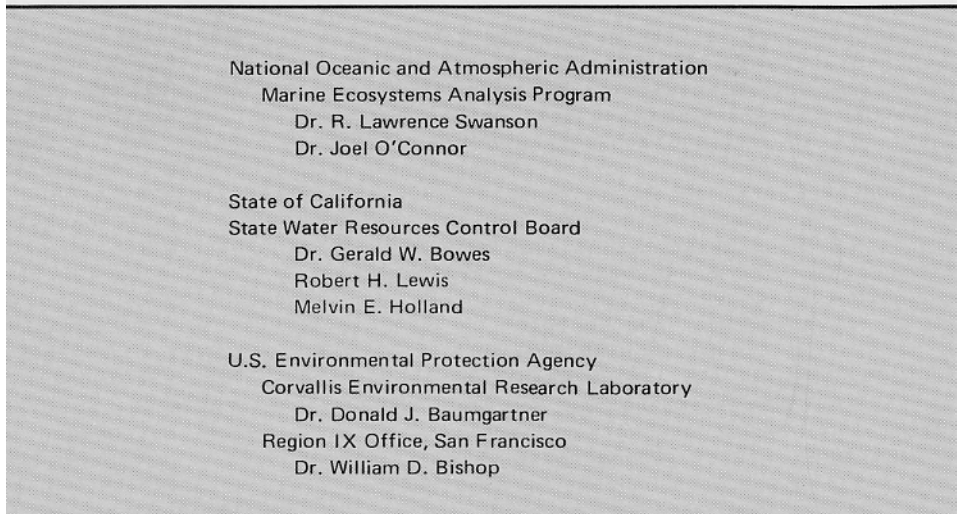
M. JAMES ALLEN, Fish Community Ecologist B.A., University of California, Santa Barbara, 1967 M.A., University of California, Los Angeles, 1970	MICHAEL D. MOORE, Research Technician, Biology B.S., California State University, Long Beach, 1973
DANUTA K. CHARWAT, Research Technician, Biology B.A., University of California, Berkeley, 1973	EDWARD I. MOTOLA, Library Research Technician* B.A., University of California, Los Angeles, 1976
KARLA CRUM, Secretary	BRAD L. MYERS, Research Technician, Biology B.A., Augustana College, Rock Island, Illinois, 1971
ROBERT P. EGANHOUSE, Organic Chemist B.S., Iowa State University, Ames, 1970 M.S., Florida State University, Tallahassee, 1974	CARLOS P. PATRICKSON, Field Technician, Chemistry* B.S., University of Chile, 1962 M.S., University of California, Los Angeles, 1971
CHARLES S. GREENE, Invertebrate Community Ecologist B.A., University of the Pacific, 1965 M.S., University of the Pacific, 1967 Ph.D., University of California, Davis, 1972	PHILIP S. OSHIDA, Research Technician, Biology B.A., University of California, Berkeley, 1972 M.A., California State University, Long Beach, 1974
CHARLES N. HALGREN, Administrative Officer B.A., California State University, Long Beach, 1970	HENRY A. SCHAFER, Jr., Research Technician, Engineering B.A., California State University, Dominguez Hills, 1974
LESLIE HARRIS, Research Technician, Biology	MARJORIE J. SHERWOOD, Fish Disease Biologist B.A., University of California, Los Angeles, 1966 M.A., University of California, Los Angeles, 1968
THEADORE C. HEESSEN, Organic Chemist B.S., California State University, San Diego, 1969 M.S., California State University, San Diego, 1971	ELISABETH STEIGER, Administrative Assistant
GEORGE PATRICK HERSHELMAN, Laboratory Assistant B.S., Loyola University, Los Angeles, 1974	HAROLD H. STUBBS, Coordinator of Marine Operations Master Diver, U.S. Navy
TSU-KAI JAN, Metals Chemist B.S., Chiba National University, 1967 M.S., Chiba National University, 1969 M.S., University of Southern California, 1972	VALITA A. STURGESE, Executive Secretary B.A., University of Illinois, Chicago Circle, 1972
ROBERT A. JOHNSON, Senior Laboratory Assistant B.S., California State University, Long Beach, 1975	ROBERT M. VOGLIN, Research Technician, Biology
DEIRDRE J. McDERMOTT-EHRLICH, Mathematician, Chemistry B.A., University of California, Los Angeles, 1970	JACK Q. WORD, Invertebrate Taxonomist B.S., California State University, Long Beach, 1969 M.A., California State University, Long Beach, 1974
	LUCINDA S. WORD, Laboratory Technician, Biology* B.A., University of California, Berkeley, 1968
	JEAN L. WRIGHT, Laboratory Technician, Biology

\*Part-time

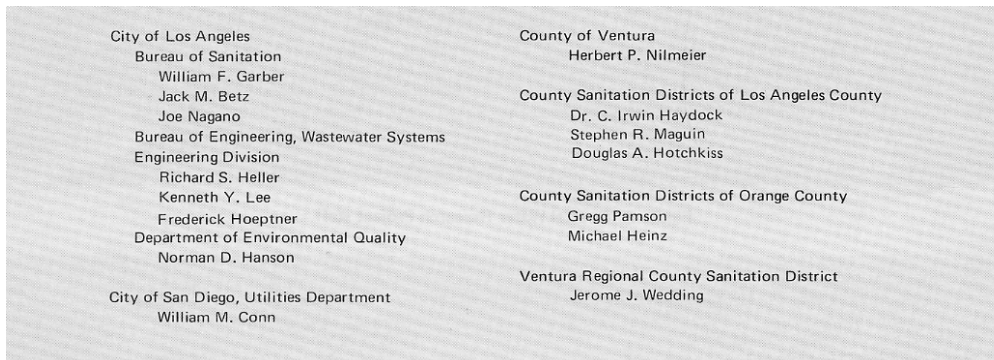
**Figure 2. Coastal Water Research Project staff.**

GEORGE V. ALEXANDER University of California, Los Angeles Emission Spectroscopy	JAMES MORGAN, Ph.D. California Institute of Technology Aqueous Chemistry
RAYMOND A. BENDELE, D.V.M., Ph.D. Texas A&M University Histopathology of Fish	HARRY PECORELLI Aqua-Contractors and Oceanographics, Inc. Submarine Photography
ANTHONY CUNDELL Harvard University Scanning Electron Microscopy	DONALD J. REISH, Ph.D. California State University, Long Beach Chromium Toxicity to <i>Neanthes arenaceodentata</i>
BRUCE DUNN, Ph.D. University of British Columbia, Vancouver Polycyclic Aromatic Hydrocarbons	ROBERT A. RISEBROUGH, Ph.D. BROCK DE LAPPE Bodega Bay Marine Laboratory Chlorinated Hydrocarbon Analysis
ROBERT B. EVANS La Mer Bleu Productions Underwater Photography	MICHAEL H. SCHONZEIT Current Meter Studies
DON S. GORSLINE, Ph.D. University of Southern California Marine Sediments	ROBIN A. SIMPSON Editing and Publications Coordination
IAN KAPLAN, Ph.D.	ROBERT W. SMITH, Ph.D. University of Southern California Benthic Community Structure
EMIL KALIL University of California, Los Angeles Marine Geochemistry, Pore Water Analysis	PAUL TAYLOR, Ph.D. California Analytical Laboratories, Inc. Chlorobenzene Analysis
JUHEE KIM, Ph.D.	VICTOR VIDAL
RODNEY MORRIS California State University, Long Beach Microbiology	FRANCISCO VIDAL Scripps Institution of Oceanography Subsurface Hot Springs in Baja California
JOHN M. McGUIRE United States Environmental Protection Agency Chlorobenzene Analysis	DR. J. SCOTT WARNER Battelle Laboratory, Columbus, Ohio Petroleum Hydrocarbon Analyses

**Figure 3. Scientific and Technical Associates**



**Figure 4. Government advisors present at Coastal Water Research Project Consulting Board meetings.**



**Figure 5. Representative present at Bimonthly Meetings of Coastal Water Research Project Sponsors.**