

Part I

## REPORTS, REVIEW, AND PUBLICATIONS

### REPORT OF THE CALCOFI COMMITTEE FOR 1981

With deep regret the CalCOFI Committee reports the loss of committee member and long-time friend John Radovich of the California Department of Fish and Game. The committee respectfully dedicates this volume of the *Reports* to John, who gave himself unstintingly to CalCOFI during its formative years. We have asked new member Herbert Frey to write a memorial to John; it appears on the preceding page.

The year was one of continued evolution in California fisheries and marine science, and CalCOFI members were active in the scientific aspects of management as well as in studying the ecology of the California Current. A major CalCOFI cruise year (seven cruises) was completed with the R/V *David Starr Jordan* (NMFS) and the R/V *New Horizon* (SIO), featuring the introduction of a new anchovy biomass assessment technique necessitating nearly a thousand vertical plankton tows for anchovy eggs and early larvae. The "egg production method," as this new technique is called, also required sampling spawning females by trawl. This was accomplished by the combined efforts of the *Jordan* and a vessel chartered by the California Department of Fish and Game. Recognizing the potential widespread use of this new technique, the Coastal Division of the Southwest Fisheries Center is preparing a handbook on its use and interpretation. During the 1981 cruise year, the egg production method was calibrated with the larval census method, and the results were presented to the Pacific Fishery Management Council. This year the CalCOFI cruises added four 48-hour stations, whose objectives were to relate the larger-scale patterns of chlorophyll, productivity, and zooplankton biomass to physical structure and to compare patchiness of biological features on large and small scales.

The CalCOFI Conference this year was held at the University of Southern California's Idyllwild Conference Center and featured the symposium "Reminiscences of California Fishery Research and Manage-

ment." Besides the six symposium papers reprinted in this volume, forty-three additional papers were presented. A round table discussion on the state of California fisheries was chaired by Herbert Frey of California Department of Fish and Game. A plenary session with the Eastern Pacific Oceanic Conference (EPOC) highlighted the last day of the meeting; CalCOFI Coordinator Reuben Lasker presented an overview of present and future CalCOFI activities to EPOC participants.

The CalCOFI committee has continued to pursue an introspective course in this year of shrinking budgets and greater demand for resources. The future of CalCOFI continues to be of concern. Thus letters were sent to a large list of "friends of CalCOFI" soliciting their comments on what they think the future activities of CalCOFI should be. Almost a hundred correspondents replied, and we are in the process of considering each suggestion.

In 1981 we published *CalCOFI Atlas No. 29: Teleconnections of 700 mb Height Anomalies for the Northern Hemisphere*, by Jerome Namias. No. 30 is having its final artist's review at this writing; it is *Vertical and Horizontal Distribution of Seasonal Mean Temperature, Salinity, Sigma-t, Stability, Dynamic Height, Oxygen and Oxygen Saturation, 1950-1978 in the California Current*, by Ronald Lynn, Kenneth Bliss, and Lawrence Eber of the Southwest Fisheries Center. Abraham Fleminger is the editor of the Atlas series.

The reviewers and editorial staff of this volume, particularly Julie Olfe, are to be congratulated for their excellent work.

*The CalCOFI Committee*  
Izadore Barrett  
Herbert Frey  
Joseph Reid