

PD-AAI-200

ISN 609

931-1155.16

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PROGRESS REPORT
of the
STUDY OF MARINE TECHNICAL ASSISTANCE AND
COOPERATION IN FISHERIES AND OCEANOGRAPHY

submitted to the

AGENCY FOR INTERNATIONAL DEVELOPMENT AND
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION

by the

OCEAN POLICY COMMITTEE

In accordance with Contract AID/DSAN-G-0168 and NOAA Contract NA79AA-D-00135, this progress report for the period 1 February 1981 through 31 August 1981 summarizes activities undertaken for the Study of Marine Technical Assistance and Cooperation in Fisheries and Oceanography. The Ocean Policy Committee's Marine Technical Assistance Group (MTAG) has responsibility for the conduct of the study. The membership of the MTAG for this period includes:

Dr. John Liston, Chairman
University of Washington

Dr. David A. Ross
Woods Hole Oceanographic Institution

Dr. Bernhard J. Abrahamsson
University of Denver

Dr. Roger Revelle
University of California

Dr. John P. Craven
University of Hawaii

Dr. Harris B. Stewart
Old Dominion University

Dr. Vic Klemas
University of Delaware

Dr. Christopher K. Vanderpool
Michigan State University

Dr. Richard E. Meunier
Institute for Energy Analysis

Dr. Francis Williams
University of Miami

The purpose of the study is to:

1. assess the relationship between the objectives of selected past marine technical assistance programs and the mechanisms developed to achieve them;
2. project the future environment for marine technical cooperation between the United States and developing countries;
3. present the projections of ocean science and technical developments in relation to needs of developing countries; and
4. make recommendations on general requirements and mechanisms for future U.S. technical assistance and cooperative policies and programs.

The MTAG met in Washington, D.C., on 23-24 March 1981 and 12-14 August 1981. During this period, the committee focused on the following tasks:

1. Publishing the proceedings of the international workshop;

Tasks continued:

2. Completing the evaluation report; and
3. Drafting the final report.

Future of International Cooperation in Marine Technology, Science, and Fisheries - Proceedings of an International Workshop

A major component of the Marine Technical Assistance Study was an international workshop, "Future of International Cooperation in Marine Technology, Science, and Fisheries," on 18-22 January 1981, held at the Scripps Institution of Oceanography, University of California, La Jolla, California. The workshop received supplemental support from the Department of the Navy. The purpose of the workshop was to develop recommendations on future directions for U.S. cooperation and assistance in marine science and technology of benefit to the scientific communities of the U.S. and developing countries. Fifty-nine individuals participated, of whom eighteen were foreign guests. The proceedings of the international workshop, International Cooperation in Marine Technology, Science, and Fisheries: The Future U.S. Role in Development, were published in May 1981.

Investigation of the ocean and management of its resources have become matters of increasing international concern. Developed and developing countries alike have extended the boundaries of their maritime jurisdiction and are exercising new responsibilities over the exploitation of renewable and nonrenewable marine resources. These changes have come about in part through advances in ocean science and technology, which have made possible expanded use of marine resources. In many instances, management of those resources and protection of the marine environment will depend on fuller understanding of small-scale as well as global ocean phenomena and on strengthening institutions of marine science in developing countries. Because the ocean, like the atmosphere, links the nations of the world, the pursuit of knowledge of the ocean necessitates interaction among nations. Thus, marine technical assistance and cooperation with developing countries can advance national, international, and scientific causes.

The proceedings reflect views expressed by workshop participants--scientists and technologists from the United States and developing countries and from national and international agencies. Marine science is closely tied to fisheries in many developing countries. Accordingly, most workshop participants devoted comparatively little attention to other marine resources and technologies.

The participants organized themselves into four regional working groups, each of which prepared a report assessing marine-related needs in the region. Although those reports differ in important respects and merit separate attention, they also reveal an unexpected concurrence on a number of major issues among the regions. Key recommendations have been drawn from the reports of the working groups and are presented as recommendations of the workshop. The summary and introduction discusses the major issues considered in plenary sessions of the workshop. The main body of the report consists of papers prepared by workshop participants for use as background information. Copies of the report are available from the Ocean Policy Committee office.

An Evaluation of AID Fisheries and Aquaculture Projects

At the request of the Agency for International Development (AID), the committee agreed to review AID projects and identify specific projects or programs for further examination and in-depth analysis. To do this task, MTAG established an evaluation team consisting of Drs. Abrahamsson, Liston, Meunier, Vanderpool, and Williams. The group reviewed four selected AID projects in fisheries and aquaculture and evaluated the success and failure rate of various methods of delivering technical assistance. The evaluation group met during the August MTAG meeting and reviewed the draft of the evaluation report. The draft is being revised to incorporate the comments received at the meeting and subsequent to it. The draft report contains the following sections: Executive Summary; Introduction; Fisheries Programs in AID; In-depth Evaluations; Other AID Fisheries Programs; and Conclusions and Recommendations. The report will contain, as an appendix, an inventory of AID programs and projects in marine technical assistance and cooperation. This report will be transmitted to AID in November 1981.

Preparation of the Final Report

Preparation of the Final Report of the MTAG Study began with the March 1981 meeting, when an outline of the final report was prepared and individual MTAG members were assigned to write sections and chapters. These drafts were reviewed and revised at the August meeting. The revised drafts are being organized into chapters and will be circulated in September to MTAG members and sponsors for comment. A final draft of the report will be discussed by a small group of MTAG members meeting in Woods Hole, Massachusetts, in conjunction with another activity on 29-30 October 1981.

The final report will include an executive summary and the following chapters: (1) the rationale for U.S. marine technical assistance and cooperation, considering political, economic, scientific, humanitarian, and other points of view; (2) marine technical assistance policies and programs of governmental agencies, private foundations, universities, and industry; (3) U.S. participation in marine assistance programs of international organizations; (4) trends in technical assistance and cooperation, including implications of the law of the sea negotiations; and (5) recommendations on the future U.S. role in marine technical assistance.

The final report is expected to be published in December 1981.

Follow-on Activities

A joint project of the Ocean Policy Committee and the Board on Science and Technology for International Development (BOSTID) is drawing upon the proceedings of the international workshop to consider opportunities for marine-related cooperation among developing countries. The proceedings are the basis for examining the present state of marine science and technology from the point of view of possible regional and international cooperation in various areas of marine technology, including fisheries, aquaculture, offshore mining, ocean thermal energy conversion, reducing postharvest fishing losses, and reducing the waste associated with fish by-catch.

Further information concerning the above activities can be obtained from the Ocean Policy Committee, National Academy of Sciences, Room JH-211, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

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Reports on contractor's activities during the period 2/1-8/31/81 in a project to assess and improve U.S. marine technical assistance and cooperation in fisheries and oceanography.

Proceedings of the 1/81 workshop on the "Future of International Cooperation in Marine Technology, Science, and Fisheries" were published 5/81. A report of the five-person team which evaluated the success of and mechanisms utilized in four A.I.D. projects in fisheries and aquaculture is being revised and will be submitted to A.I.D. 11/81. A final report on the whole project has been drafted, reviewed, and revised and will be discussed again at a 10/81 meeting.

/*Oceanography/ /Water resorc dev/ /Seminar/