



University of Rhode Island, Kingston, RI 02881
International Center for
Marine Resource Development: ICMRD
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42000



The following annual report is prepared by the International Center for Marine Resource Development (ICMRD) at the University of Rhode Island to depict activities during the period of July 1, 1981 through June 30, 1982. For additional information, please contact ICMRD.

A handwritten signature in cursive script, reading "Gerald A. Donovan". The signature is written in dark ink and is positioned above a horizontal line.

Dr. Gerald A. Donovan
Director, ICMRD

6814107 NUFUND

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The 1981-82 fiscal year has been a period of much excitement about new developments, considerable activity on proposal preparations, a great deal of frustration and disappointment over rejected proposals, over government agencies' handling of our proposals, yet there has been much satisfaction and pleasure with the Center's successes and potential for a bright future.

The new organizational arrangement with two associate directors is working well.

I. CODOT

A. Saudi Arabian Project

Dr. Chichester, Associate Director/Program Development, has spent most of his time managing the CODOT Saudi Arabian Project subcontract with the Midwest Research Institute (MRI).

This project which began in 1978 is under negotiation for extension of one year starting September 1982 after considerable and delicate negotiations with both MRI, the U.S. Treasury Department, and the U.S. Food & Drug Administration.

The following is a brief summary of activities on this project.

This grant is to provide assistance to the Saudi Arabian Government in establishing a consumer protection agency primarily concerned with the quality of imported foodstuffs. Specific activities include setting up of four quality control laboratories in Saudi Arabia and educating a cadre of Saudis to operate these labs. Thus far

about 27 individuals have entered the program with 21 now enrolled in 10 universities throughout the United States, of which 6 are currently enrolled at URI for advanced degrees.

Charles Donmoyer

As Coordinator of Students and Trainee activities for CODOT, Mr. Donmoyer has responsibility for constant contact with all trainees and students. His duties revolve around the day-to-day management of trainee/student progress.

Dr. Spiros Constantinides

As Project Director of the CONPROT project for the Midwest Research Institute, Dr. Constantinides has responsibility for all liaison activities between the Ministry of Commerce of Saudi Arabia and the U.S. Treasury Department. In addition, Dr. Constantinides is responsible for the overall development and operation of five Consumer Protection laboratories in Saudi Arabia. This includes the coordination with CODOT, on the upgrading of Saudi Arabian personnel, both trainees and degree students.

II. Strengthening Grant

The University received \$100,000 this year, which had to be matched, to support a program of strengthening its faculty to be better able to respond to international needs of USAID in the area of fisheries and marine development of Third World countries.

The Strengthening Grant Executive Committee is composed of the following:

G. A. Donovan, Chairperson
 D. Strommer, Dean of University College
 S. Saila, Professor of Oceanography
 R. Pollnac, Professor of Anthropology
 D. McCreight, Recording Secretary and Project Manager

The Committee has established a set of guidelines for use of these funds. This year the funds were used in two primary areas: ICMRD administrative support and grants to help faculty prepare for development of major international grants.

The following projects were funded for Year 3 of the strengthening grant.

Year 3 Title XII Projects

<u>Title of Project</u>	<u>Staff Involved</u>	<u>Funding</u>
Health and Nutrition in the Development of Maritime Coastal Communities. Peru.	Dr. Donna Schwartz-Barcott (Nursing) Dr. Marc Kelley (Sociol.)	\$ 8,920
Quality of Artemia in Southeast Asia. Philippines.	Dr. Kenneth Simpson (FSTND) Dr. Charles Olney (FSTND)	\$ 9,632
Construction Guide: Plywood Work Boats.	Timothy Visel (FMT)	\$ 700
Economic Issues in West African Marine Fisheries. Sierra Leone Senegal.	Dr. Jon Sutinen (REN) Dr. Thomas Weaver (REN) Dr. Richard Pollnac (Sociol.) Theodore Brainerd, Grad. Stu. (REN)	\$21,655
Factors Influencing Acceptance of Fish and Other Foods in Antigua.	Dr. Marjorie Caldwell (FSTND) Dr. John Poggie (Sociol.) Jill Armstrong, Grad. Stu. (FSTND)	\$12,868
Strengthening the Institutional Linkage Between ICMRD/URI and IMBO/USL. Sierra Leone.	Melvin Hendrix (Black Studies)	\$ 6,540

<u>Title of Project</u>	<u>Staff Involved</u>	<u>Funding</u>
A Reduction of Post Harvest Losses in Artisanal Fishery Products.	Dr. C. O. Chichester (FSTND) Dr. T-C Lee (FSTND)	\$14,300
ICMRD Office Support Staff.	ICMRD	\$16,451
ICMRD Office Communications.	ICMRD	\$ 3,000

Mr. Charles Donmoyer prepared the annual report for USAID on the URI Strengthening Grant. It was an excellent report according to Dr. E. Long, USAID Director of the Strengthening Grant Program. The result was that URI was awarded an additional year's grant for the current fiscal year.

Azores Project

During the past four years ICMRD has implemented an institutional building project (funded by USAID) with the University of Azores and directed by Dr. McCreight, Associate Director of ICMRD.

Major accomplishments to date include:

- Training of 8 Coordinators of Extension Education Programs. (one for each major island)
- Sensitizing of personal to the sociocultural aspects of rural development and the development of a research plan aimed at generating information to be used by decision makers involved in rural development.
- Establishing a capability in the assessment of fisheries stock.
- Establishment of a soil testing laboratory.
- Providing degree training (1 Ph.D. and 3 M.S. degrees) in Food Technology, Forage Crops, Plant & Soil Science, and Animal Science. These faculty are now returning to the University as key staff members to implement undergraduate and graduate programs in Agricultural Science.

Dr. Rand (FSTND) has joined forces with a recent URI Ph.D. graduate and who is now a staff member at the University of the Azores, to work jointly on research on how to prepare rennet for cheese making from waste products of the fish processing industry. This project will certainly benefit both URI and the Azores. This is one of many possible examples of a project activity that can bring about an economic impact to Rhode Island and the developing country.

These are only a few of the major accomplishments to date.

Other modes of assistance will be considered for continuing a long-term institutional building capability with the University of the Azores, such as:

Sabbatical leaves

Joint research projects funded by external agencies

The Cooperative Agreement

The Title XII Strengthening Grant.

III. Fishery Information Service/ICMRD Library

Mary Jane Beardsley joined the staff in June 1981 as ICMRD librarian and head of the Center's information service. She has been carrying out her responsibilities in an outstanding manner.

The ICMRD Fishery Information Service is devoted to the collection and dissemination of literature on small-scale fisheries development. Information is acquired from international, national and local sources around the world.

At present, the collection consists of over 6,000 books, documents, conference proceedings and serial publications. Some of the subjects covered include stock assessment, fishery management, fishermen's cooperatives, fisheries extension, marketing techniques, fishing gear technology, processing and handling, small boat design and statistics. The Information Service actively collects materials on these and many other topics of interest to fisheries development program planners, fisheries administrators, researchers, extension personnel and others in developing countries.

Services:

The ICMRD Information Service cooperates with the AID Bureau of Science and Technology Information Service, and provides resources to complement AID fisheries information. In addition to the traditional library services of reference, loan and photo reproduction, ICMRD maintains a distribution point for publications on small-scale fisheries published by ICMRD Associates. (A sample description is appended to this report.) The List of Publications Available (appended to this report) is published twice yearly, and is sent to over 700 addresses worldwide. ICMRD publications are sent free of charge upon request as costs are covered through an AID grant. When supplies are exhausted, AID provides microfiche and photocopies of ICMRD publications in accordance with their distribution policy.

Anyone may use the ICMRD Information Service. Requests are accepted by mail, telex, telephone, or in person.

Libraries/institutions which regularly publish on fisheries topics are encouraged to set up a publications exchange agreement with ICMRD to guarantee that one copy of every publication generated by each institution will automatically be sent to the other. ICMRD currently has over 130 exchange agreements with institutions around the world.

IV. Cooperative Agreement

The proposal which was originally prepared and submitted in 1980 has been worked and reworked with the USAID Fisheries Office. The Agreement has been approved by the Office of Science and Technology and at the close of the fiscal year had advanced to the USAID Contract Office. It will receive final approval by the middle of August and retroactive to July 1, 1982.

The Cooperative Agreement will be a continuation of USAID's effort to support a base of expertise at URI in the area of international fisheries development. This will include salary contributions to ICMRD administration, the ICMRD Library, and faculty positions in certain relative departments.

V. Peace Corps Project

ICMRD won a first ever contract for URI to conduct a training program for Peace Corps volunteers in marine fisheries. Neil W. Ross, URI Marine Advisory Service, directed the program which successfully trained twelve volunteers over an eight-week training period. Excellent cooperation from a number of URI faculty including Professors Pollnac,

McCreight, Gamache, C. M. Lee, M. Caldwell, and auxilliary personnel of Bruce Mortimer, Jane Malone, Phillip Logan, Ken Proudfoot and Tim Visel prepared the volunteers for extension service to needy fishermen and their families in the Philippines and Papua New Guinea. This pilot training program and curriculum development process will be useful to the implementation of future Peace Corps training programs in Marine Fisheries.

VI. Guinea Bissau Project

Sixteen trainees from Guinea Bissau completed a two-year fisheries technology program this past year under the auspices of ICMRD. Christine Mortimer coordinated this program which involved the cooperation of the faculty of the Department of Fisheries & Marine Technology. It was a project that offered opportunities for the students to prepare for such positions as boat captain, fishing master, diesel mechanic, or refrigeration and electronics technicians.

VII. Seminar Series

ICMRD conducted a seminar series this past year to help inform faculty and students of ICMRD programs, to encourage interest among new faculty in international development programs, and to provide a forum for discussions of international problems of a multi-disciplinary nature. The following is a list of the seminars held during the Spring 1982 semester.

- Jan. 27 Dr. Saul Saila, Professor, Graduate School of Oceanography, URI. "Up-Date: Assessment of the Global Magnitude of the Marine Fisheries By-Catch Problem."
- Feb. 10 Dr. Samson Tsou, Research Associate Asian Vegetable Research & Development Center (AVRDC), Taiwan. "AVRDC's Overall Mission/Collaborative Research on Pro-Vitamin A with URI."
- Feb. 24 Dr. Milton Salomon, Consultant/Soils, Professor Emeritus, URI. "Mini Farms: An Answer to Malnutrition in Chile/ Intensive Food Production on Small Plots."
- Mar. 24 Paul Maugle, Ph.D. Candidate, Food Science & Technology, Nutrition & Dietetics, URI. "Shrimp Mariculture: East vs. West."
- Mar. 31 Dr. Jon Sutinen, Associate Professor, Resource Economics, URI. Dr. Richard Pollnac, Associate Professor. Sociology/ Anthropology, URI. Theo Brainerd, Graduate Student, Resource Economics, Sierra Leone. "Fisheries Development and Management in West Africa."
- Apr. 14 Oseni Millamena, Research Associate, Southeast Asian Fisheries Development Center (SEAFDEC), Philippines. "SEAFDEC's Overall Mission/Collaborative Research on Artemia with URI."
- Apr. 21 Jill Armstrong, Ph.D. Candidate, Food Science & Technology, Nutrition & Dietetics, URI. "Factors Influencing Acceptance of Fish and Other Foods in Antigua."

VIII. New Initiatives

ICMRD is continually reviewing USAID requests for proposals to determine those of potential interest to URI faculty. Several that were addressed this year are listed below.

a. Stock Assessment Cooperative Research Support
Program Planning Grant

ICMRD prepared a proposal (McCreight and Saila) which was "short listed" with University of Maryland and Southern Illinois University. Maryland won the grant. Dr. Saila is currently serving as a member of the planning committee.

b. Indonesian Fisheries Development Project

ICMRD expressed interest in the project. AID finally passed it to NOAA for implementation. NOAA project leader Dr. Tapen Banerjee visited URI and asked if we would subcontract a portion of the project. URI submitted a proposal. NOAA finally decided to go it alone and directly hired Neil Ross, URI MAS, and offered a position to Phillip Logan, doctoral candidate in Resource Economics.

Appended to this report is a summary as of August 3, 1982 of the recent/past and future projects of ICMRD.

IX. ICMRD Faculty Foreign Travel

During the period of FY 82 (July 1, 1981-June 30, 1982) the following ICMRD associates worked on international assignments. (See attached.)

X. Foreign Visitors to ICMRD Office

During the period of FY 82 (July 1, 1981 - June 30, 1982) the following people from other countries visited the ICMRD Office. (See attached.)

ICMRD Faculty Foreign Travel

<u>Name of Faculty Member</u>	<u>Place</u>	<u>Dates</u>	<u>Purpose</u>
Jon Sutinen	Sierra Leone	7/18/81 - 8/2/81	Collaborate with Sierra Leone and CECAF officials on economic studies of West African fisheries.
Richard Pollnac	Sierra Leone	7/18/81 - 8/4/81	Conduct research under Title XII project in Sierra Leone.
Dr. Charles Olney	Costa Rica	8/23/81 - 8/28/81	Tinker Foundation Grant project work with scientist at University of Costa Rica.
Jill Armstrong	Antigua, WI	10/20/81 - 1/16/82	To do research on food habits, food consumption in Antigua.
Dr. Donald McCreight	San Juan/Mayaguay, P.R.	11/15/81 - 11/19/81	Participate in 34th Annual Gulf and Caribbean Fisheries Institute in Puerto Rico.
Dr. Marjorie Caldwell	Antigua, WI	11/27/81 - 12/3/81	Supervision of grad student collecting data for dissertation.
Dr. C. O. Chichester	Santiago, Chile	12/4/81 - 12/15/81	To attend INACG meeting → International consulting group for Iron Deficiency.
Roxanna Viquen	Costa Rica	12/22/81 - 1/12/82	Conduct research under Tinker Foundation Grant in Costa Rica.
Dr. Richard Pollnac	Gambia River Basin (Dakar Senegal)	1/17/82 - 1/23/82	Represent ICMRD to visit site of proposed project environmental and socioeconomic study of Gambia River Basin.
Nelson Marshall	Costa Rica	2/21/82 - 3/2/82	Advance activities under the Tinker Foundation Grant in Costa Rica.

ICMRD Faculty Foreign Travel (continued)

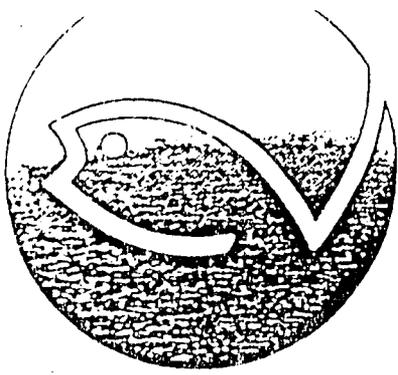
<u>Name of Faculty Member</u>	<u>Place</u>	<u>Dates</u>	<u>Purpose</u>
Mary Jane Beardsley	Costa Rica	2/23/82 - 3/2/82	Study of Marine Info Center Development, Costa Rica.
Melvin K. Hendrix	Freetown, Sierra Leone Bissau & Dakar	3/1/82 - 3/12/82 3/12/82 - 3/31/82 4/1/82 - 5/14/82	To strengthen the collaborative institutional linkages between URI/ICMRD and USL/IMBO through staff exchange and technical assistance.
Kenneth L. Simpson	Tokyo, Taiwan, Manila, Uoilo, Jakarta, Bangkok	3/14/82 - 4/1/82	Review progress on grants with AVRDC, Taiwan, SEAFDEC, Manila and ARC Belgium, CODOT, Jakarta.
Dr. Donald McCreight	Bangladesh	4/1/82 - 5/21/82	Develop a UNDP/FAO project to fund the Extension and Continuing Education Centre at Bangladesh Agricultural University.
21 Dr. C. O. Chichester	Santiago, Chile	5/23/82 - 5/31/82	Discuss memorandum of understanding with Institute of Nutrition & Food Technology in Chile.
Dr. Donald McCreight	Lisbon, Portugal	5/27/82 - 5/28/82	Meet with AID officials in Lisbon, Portugal concerning status of Azores contract.

Foreign Visitors to ICMRD Office

<u>Name of Visitor</u>	<u>Position or Institution Associated With</u>	<u>Country</u>
Dr. Leonard Kasdan	Dalhousie University	Halifax, Nova Scotia, Canada
Vicente Andrade Gomes	Chief of Fisheries	Cape Verde
Dr. Oscar Brunser	Institute of Nutrition & Food Technology	Chile
Dr. Freddy Pacheco	Universidad Nacional	Costa Rica
Dr. Eduardo Zamoca	Universidad Nacional	Costa Rica
Mr. Mohamed Moussa Chehem	Chief of Livestock & Fisheries Service	Republic of Djibouti
Miguel Fierro	Politecnica Ecuador	Ecuador
Musa Fatey	Assistant Director of Education	Gambia
Dr. Tapan Banerjee	NOAA & NMFS	Indonesia
Leendert Hartsuijker	Fisheries Officer	Kingston, Jamaica
Ba Idrissa	Director of Fisheries	Mauritania
Lita Altea	Peace Corps	Philippines
Vicente B. Alcera	Project Administrator	Philippines
R. B. Alvela	Project Administrator	Philippines
Tranquilino P. Benigno	Project Administrator	Philippines
Armando B. Cortes	Project Administrator	Philippines
Floriano G. Diaz	Project Administrator	Philippines
Dean Geronimo Lavilla	Project Administrator	Philippines
Mr. Jose H. Monteiro	Fisheries Official	Portugal
Dr. Sogui Diouf	Director of Fisheries	Senegal
Ahmed Jama Handule	Director of Higher Education	Somalia
Dr. G. W. Selleck	Director, Asian Vegetable Research & Development Center (AVRDC)	Taiwan
A. Bama	Head of Higher Education/ Overseas Section	Tanzania
Mohmoud Abdelhedi	General Fisheries Commission	Tunisia

Activities of G.A. Donovan, Director of ICMRD

- Completed four years as a member of the USAID/BIFAD Joint Research Committee. The Committee is responsible for liaison between USAID and the University community and assisting AID in establishing research priorities and policies.
- Assumed active leadership in the establishment of a formal organization in the northeast of the Land-Grant university international program directors.
- Has been appointed a member of the International Research Committee/International Science and Education Council responsible for assisting the USDA in developing international research programs and policy plus maintaining liaison between the university community and the Office of International Development/USDA.
- Served as a member of a NASULGC ad hoc committee (International Committee on Policy) charged with developing and recommending a reorganization of international policy making within the Division of Agriculture of NASULGC. The plan was developed and implemented as a result of the committee efforts.



ICMRD

International Center for Marine Resource Development
University of Rhode Island

Announcement of New Publication

Title: A GUIDE FOR THE SMALL-SCALE FISHERY ADMINISTRATOR:
INFORMATION FROM THE HARVEST SECTOR

Authors: Stevenson, D.; Pollnac, R.; Logan, P.

- C. I The Fishery and the Economy: Information for Decisions
- C. II The Importance of Sociocultural Information
- C. III Information Needs
- C. IV Data Needs
- C. V Data Collection Methods
- C. VI Organization and Integration of Data Collection Methods
- APP.
 - A. List of Background Information
 - B. Sales Receipt Form
 - C. Landings Survey Form

OBJECTIVES:

- I. Describe a minimum set of Biological, Economic, and Sociocultural Information which should be available so that Intelligent Policy Decisions can be made.
- II. Describe Appropriate Data Collection Methods for Generating the Necessary Information.
- III. Recommend a Multidisciplinary Data Collection Strategy Which will Produce the Necessary Data at the Least Cost.

Versions: ENGLISH
SPANISH

Available: October, 1982
Available: February, 1983

To receive a copy
return this to:

ICMRD
126 Woodward Hall
University of Rhode Island
Kingston, Rhode Island 02881
U.S.A.

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Mailing Address _____

Spanish _____ English _____ (check one)

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ANNOUNCING!!

New Publications
Nouvelle Publications
Nuevo Publicaciones

May 1982

International Center for Marine Resource Development

GENERAL:

81/82-004 SMALL-SCALE FISHERIES IN CENTRAL AMERICA: ACQUIRING INFORMATION FOR DECISION MAKING. Edited by Jon G. Sutinen and Richard B. Pollnac. Kingston, RI. ICMRD. June 1981. 602pp.

The result of a four year study of fisheries in Guatemala, El Salvador and Costa Rica done by an interdisciplinary team from the International Center for Marine Resource Development. Professors from the departments of Food Science and Technology, Political Science, Resource Economics, Sociology and Anthropology participated in the study. Research focused on the development, testing and evaluation of information systems for obtaining data on selected components of a fishery.

Organizations in nations with developing fisheries will be given an ICMRD copy as long as the supply lasts. Microfiche copies may be obtained through US AID for \$7.50. Refer to PN AAJ 653. Order microfiche from: AID/DIHF/ARDA, 7222 47th Street, Chevy Chase, Maryland, 20815 USA. Loan copies will be available from ICMRD after free supplies are exhausted.

81/82-005 A GUIDE FOR THE SMALL-SCALE FISHERY ADMINISTRATOR: INFORMATION FROM THE HARVEST SECTOR. D. Stevenson, R.B. Pollnac and P. Logan. Kingston, RI, ICMRD. October 1982 (English); February 1983 (Spanish). Unpaged.

This publication will be available in either English or Spanish. It will be published in English October 1982 and in Spanish February 1983. Please return this form to reserve a copy.

Cette publication est disponible en Anglais ou en Espagnol. Elle n'est pas disponible en Français. Vous pouvez retourner cette formulair pour une reservation, s'il vous plait.

Esta publication estar disponible, en Ingles y Español, Español: Febrero 1983. Por favor devuelva esta orden para reservar le una copia.

English
 Anglais
 Ingles

Spanish
 Espanol
 Español

Out of Print: The following publications are no longer available for distribution.

80/81-006 ICMRD Newsletter. Volume 1, issue 1. Kingston, RI. Fall 1981.

73/74-013 International Conference on Marine Resources Development in Eastern Africa, the University of Dar es Salaam, Dar es Salaam, Tanzania, 4-9 April, 1974. A.S. Msangi and J.J. Griffin, editors. Published by the University of Dar es Salaam in cooperation with ICMRD. 1974. 130pp.

74/75-011 AWP 4 The Sociocultural Correlates of Fishing as a Subsistence activity. R.B. Pollnac. 1974. 11pp.

NOTICE: Our publication "Stock Assessment for Tropical Small-Scale Fisheries" is no longer in print. Requests for copies can be fulfilled in two ways:

1. You may borrow a copy from ICMRD and photocopy it yourself.
2. You may buy a copy through US AID. Contact:

AID/DIHF/ARDA
7222 47th Street
Chevy Chase, Maryland 20815
USA

When ordering Stock Assessment from AID refer to order #PN AAJ 627.

AID copies are available in either hardcopy or microfiche form. Hardcopy is \$26.52 each plus postage and handling. Microfiche is \$3.24 each plus postage and handling.

There is no charge to governments of or development agencies working in third world nations. However, you must be on AID's official mailing list.

ICMRD Library
Main Library
University of Rhode Island
Kingston, Rhode Island 02881
USA

INTERNATIONAL CENTER
FOR
MARINE RESOURCE DEVELOPMENT

List of Publications Available
Lista de las Publicaciones Disponible
Liste des Publications Disponible

General

- 81/82-004 A guide for the small-scale fishery administrator: information from the harvest sector. D. Stevenson, R.B. Pollnac and P. Logan. Kingston, RI. ICMRD. February 1982, unpagged.
- 77/78-011 Panamanian small-scale fishermen: society, culture, and change. R.B. Pollnac, editor. Kingston, RI. ICMRD. URI Marine Technical Report Series #44. 1977. 88pp.
- 71/72-004 The potential for fishery development in the Caribbean and adjacent seas. C.F. Idyll. Kingston, RI. ICMRD. URI Marine Bulletin 1. 1971. 16pp.
- 73/74-011 Prospects for fisheries development assistance. H.C. Lampe, N. Marshall, J.C. Sutinen, L.O. Vidaeus, and D.T. Westin. Kingston, RI. URI Marine Technical Report Series #19. 1974. 41pp.
- 73/74-020 Socio-economic research issues in fisheries development: report on a workshop in Kingston, RI, 25-27 October, 1972. Kingston, RI. URI Marine Technical Report Series #14. 12pp.

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Bibliographies

- 78/79-002 A bibliography for the anthropological study of fishing industries and maritime communities: Supplement 1973-1977. L. Landberg, compiler. Kingston, RI. ICMRD. 1979. 138pp.
- 81/82-001 The Philippines and Papua New Guinea: a select bibliography of fish preservation and nutritional problems. Sharon Fay, Compiler. Kingston, RI. ICMRD. 1981. 3pp.
- 81/82-002 Advancing marine fisheries in the Philippines and Papua New Guinea: a Bibliography. Nikki Thoreau, Compiler. Prepared for the ICMRD Peace Corps training program. Kingston, RI. ICMRD. 1981. 16pp.

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Sociology Working Paper

76/77-025 Identity as a neglected factor in message design relevant to communication for technology transfer. I.A. Spaulding. Revised 1 May, 1977. 36pp.

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Anthropology Working Papers (Note: all except starred (*) titles prepared under ICMRD auspices.)

75/76-010 AWP6 Artisanal fishermen's attitudes toward the occupation of fishing in the Republic of Panama. R.B. Pollnac and R. Ruiz-Stout. 1975. 8pp.

75/76-011 AWP7 Perceptions of fishermen's cooperatives by small-scale fishermen in the Republic of Panama. R.B. Pollnac and R. Ruiz-Stout. 1976. 26pp.

75/76-013 AWP9 Gratification orientations among small-scale fishermen in the Republic of Panama. R.B. Pollnac and R. Ruiz-Stout. 1976. 24pp.

76/77-014 AWP10 Continuity and change in marine fishing communities. R.B. Pollnac. 1976. 11pp.

76/77-018 AWP11 Research for planned change among small-scale fishermen in the Gulf of Nicoya, Costa Rica: Some preliminary results. R.B. Pollnac. 1976. 6pp.

76/77-015 AWP13 Income periodicity and economic gratification orientations among small-scale fishermen in the Gulf of Nicoya, Costa Rica. 1977. 9pp.

77/78-012 AWP18 Small-scale fishermen's perceptions of the occupation of fishing in the Gulf of Nicoya, Costa Rica. R.B. Pollnac. 1977. 15pp.

77/78-010 AWP19 Investment orientation among small-scale fishermen in the Gulf of Nicoya, Costa Rica. R.B. Pollnac. 1977. 30pp.

77/78-016 AWP20 Variance in perceptions of fishing and farming among small-scale fishermen in the Gulf of Nicoya, Costa Rica. R.B. Pollnac. 1977. 10pp.

77/78-015 AWP21 Technological change and social organization among small-scale fishermen. R.B. Pollnac. 1978. 16pp.

77/78-017 AWP23 Income periodicity and expectations of goal attainment among small-scale fishermen in the Gulf of Nicoya, Costa Rica. M.C. Robbins, R.B. Pollnac, and L.C. Robbins. 1978. 40pp.

78/79-008 AWP24* Perceptions of alternative fishing types in Southern New England. R.B. Pollnac and J.J. Poggie, Jr. June, 1978. 20pp.

78/79-010 AWP29 Sociocultural aspects of implementing aquaculture systems in marine fishing communities. R.B. Pollnac. December, 1978. 34pp.

78/79-009 AWP31* The structure of job satisfaction among New England fishermen. R.B. Pollnac and J.J. Poggie, Jr. March, 1979. 49pp.

78/79-014 AWP32 Attitudes toward cooperation among small-scale fishermen and farmers in the Azores. R.B. Pollnac and F. Carmo. March, 1979. 14pp.

78/79-011 AWP34 The ethnoichthyology of small-scale fishermen in Puntarenas, Costa Rica. I. Taxonomy. R.B. Pollnac. June, 1979. 18pp.

- 78/79-006 AWP35 Small-scale fishermen's perceptions of the occupation: northwestern Costa Rica. J.J. Poggie, Jr. July, 1979. 11pp.
- 78/79-003 AWP36 Small-scale fishermen's psychocultural characteristics and cooperative formation. J.J. Poggie, Jr. July, 1979. 16pp.
- 78/79-012 AWP37 Future orientation among the small-scale fishermen of the northwest coast of Costa Rica. R.B. Pollnac. July, 1979. 17pp.
- 78/79-005 AWP38 Beliefs about benefits of fishermen's cooperatives on the Pacific coast of Costa Rica. J.J. Poggie, Jr. August, 1979. 10pp.
- 80/81-001 AWP39 Sociocultural correlates of success among small-scale fishermen in northwest Costa Rica. R.B. Pollnac. November, 1980. 18pp.
- 80/81-004 AWP40 Sociological aspects of fisheries management. R.B. Pollnac and S.J. Littlefield. June, 1981. 38pp.
- 81/82-003 AWP41 Kinship links within small-scale fishing crews of Rabo de Peixe, San Miguel, the Azores. R.B. Pollnac. December, 1981. 11pp.

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Reprint

- 74/75-021 Stevenson, D.K. and Marshall, N. 1974. Generalizations on the fisheries potential of coral reefs and adjacent shallow-water environments. Proceedings. Second International Coral Reef Symposium. pp 147-156.

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State-of-the-Art Papers

- 76/77-014. Continuity and change in marine fishing communities. R.B. Pollnac. July, 1976. (Cited above as Anthropology Working Paper #10.)
- 76/77-025 Identity as a neglected factor in message design relevant to communication for technology transfer. I.A. Spaulding. July, 1976, revised May, 1977. (Cited above as the Sociology Working Paper.)
- 76/77-023 Practical Technology transfer in small-scale fisheries. J.C. Sainsbury. Kingston, RI. URI. ICMRD. 1977.

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ICMRD Working Papers

- 78/79-017 #4 The structure and performance of wholesale marketing finfish in Costa Rica. A.C. Scheid and J.G. Sutinen, with the assistance of the Departamento de Pesca y Caza Maritima. July, 1979. 65pp.
- 78/79-016 #5 Economic, social and cultural aspects of stock assessment for tropical small-scale fisheries. R.B. Pollnac and J.G. Sutinen. December, 1979. 23pp.
- 80/81-004 #6 The fisheries of West Africa and prospects for development. J.G. Sutinen, R.B. Pollnac and H.P. Josserand. Draft. February, 1981. 143pp.

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Miscellaneous

ICMRD Annual Reports. (Latest issue: 1977/78. Not all years available.)

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CENT/PAST - USAID

Country	Funding Source	Grant Title	Amount Received To Date	Comments
Correia, Portugal	USAID	Agriculture & Fisheries Development/Technology- Consultants & Training	\$631,746	Contract started January 1978 Expires June 30, 1983
World-Wide	Title XII/USAID	University Strengthening	\$298,650 (First 3 yrs) 100,000 (9/1/82-8/31/83)	Funding is extended through 1987.
Guinea Bissau	African American Institute/USAID	Establishment of Training Program for fishing personnel from Guinea Bissau	\$349,223	Program completed in Dec. 1981 Sixteen Guinea Bissau trainees completed the two year program
World-Wide	USAID	Information Service of the International Center for Marine Resource Development (ICMRD)	\$126,167	Extended through Aug. 15, 1982 Provides not readily available Fisheries & Marine Information to many foreign countries at their request Write and publish fisheries handbook in Spanish We have probably the most comprehensive "grey" literature collection of international fisheries information in the US
South East Asia	USAID	Pro-vitamin A Content of Foods in South East Asia	\$ 34,980	July 15, 1981 - December 31, 1981 A collaborative project with a research associate from the Asian Vegetable Research and Development Center in South East Asia. MOU was recently signed to initiate future joint research & dev. efforts
Costa Rica	USAID	Post Harvest Losses	\$ 34,913	Provide support for program in reduction of Post Harvest Losses in artisanal fishery products in Central America. April 15, 1982 - April 14, 1983

ECENT/PAST - OTHER AGENCIES

Saudi Arabia	Saudi Arabia via US Treasury Dept.	Development of academic programs for Saudi Arabian students in Food Sci. & Techn. Ministry of Commerce.	\$448,254	Fourth year in progress through 8/31/82. Possibility of at least three more years.
			\$536,777	Fifth year submitted pending approval.
Costa Rica	Tinker Foundation	Enhancing faculty capability in the Marine Resource sector in the University of Costa Rica	\$ 76,507	Second year of a two year program.
Egypt	National Academy of Sciences	Food Technology Planning in Egypt (Phase I)	\$ 8,910	Phase I completed 12/31/80. Phase II in planning. Will amount to over \$100,000.
Philippines	World Bank Govt. of Philippines	Instructional Materials Development, Project Monitoring and Evaluation Project Administration	\$ 29,628	May 15, 1982 - July 10, 1982 Training program for 8 BFAR trainees working in the Regional Fisheries Training centers.
Philippines Papua New Guinea	Action/Peace Corps	Training contract for State- side Peace Corps Training Program Philippines/Papua New Guinea in Marine Fisheries	\$ 80,311	Program began 7/3/81 and completed 9/6/81. URI trained 11 Peace Corps trainees in the first PC Marine Fisheries Prog.
World-Wide	Action	Development of technical file of Fisheries material	\$ 500	Contractor to provide services to develop a technical referenc file to fisheries materials for the ICE.

PROPOSALS UNDER DEVELOPMENT (results pending)

World-Wide	USAID	Fishery development support services/Cooperative Agreement (5 years to be funded with the Univ. of RI in July 1, 1982 to June 30, 1987)	\$1,575,000	Provide technical assistance & training to LDC in marine fishe develop. & management. Project will consist of 3 integrated components 1) Information Servi 2) Advisory & consultant servic 3) Participant training. Will span a 10-year program.
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Country	Funding Source	Grant Title	Amount Received To Date	Comments
<u>PROPOSALS UNDER DEVELOPMENT (results pending)</u>				
Brazil	World Bank Govt. of Brazil	Food Technology Project	\$781,911	Proposed 3 year project enhance capabilities of EMBRAPA to analyze problems in the Food-Agro Industry
<u>LETTERS OF INTEREST RESPONDED TO</u>				
Thailand	SEAFDEC	Information Retrieval Center for Fisheries in Far East		URI has been requested and has expressed interest in collabor- ating on the development of this Center to be based in Bangkok, Thailand
Philippines	World Bank	"Fisheries Extension Training Program. Fisheries Cooperative Management Training Program." "Instructional Materials Development, Project Monitoring and Evaluation, Project Administration"	10 weeks June - Sept. 1982 14 Participants 9 weeks 8 Participants May - June 1982	Philippines government sent team of 9 members to visit URI in Dec. 1980. Have begun to develop training program for fisheries ext. Six Regional Project Administrators visited the Center in Sept. 1981.
Indonesia	USAID/NOAA	Small-Scale Fisheries Development		Developed Proposal for sub- contract via NOAA. 3 long term personnel were nominated by GOI.
Nigeria	Gov. of Nigeria through USDA	12 months training program "Fisheries Extension and Cooperative Management" 1 Participant arrived February 1982.	\$ 11,683	Training in process will continue through January 1983.

OTHER TRAINING REQUESTS UNDER DEVELOPMENT

Nigeria	1	
Egypt	1	
Indonesia	3	2 weeks to 1 year in duration
South Yemen	1	