



Common Property News & Notes

University for Peace

Dr. Francisco Barahona, Vice-Rector of the United Nations University for Peace, forwarded the following information about their new Master's Degree Program in Natural Resources and Sustainable Development - Ecology and Peace. This program will begin on September 30, 1991.

"The University for Peace is an International Institution that was created on September 5, 1980 by Resolution No. 33-55 of the General Assembly of the United Nations. The University will be sponsoring two Master's Degree Programs this year. One is about Ecology and Peace. The other program will be in International Relations (Cooperation, Integration and Peace). These programs, which will meet over the next four years, will also include the topics of Human Rights, Communications, Social Programs and Peace Education.

"The general objective of this program is to prepare professionals with a thorough working knowledge of the information in their specific Master's Program. Those who enroll in these programs need to take into consideration that the goal of the University is to provide an understanding of peace and its application to regional, as well as, international, levels.

"In the specific case of Ecology and Peace, the program is a logical combination of many formerly short-term courses taught by the University. These courses include Management and Conservation in Natural Resources, Agroforestry, Buffer Zone Management for Protected Areas, and Raising the Value of Non-Timber Forest Products and Services for Local Communities.

"The University for Peace aspires to matriculate students from all over the world. It is for this reason

that we ask for assistance in passing this information on to those individuals who might be interested."

The University for Peace is located on a 350 hectare campus, largely covered by primary forest, in Costa Rica's Central Valley, about 40 minutes from the capital city, San José. Detailed information about the programs is available from:

University for Peace
Apartado 199
Escazú COSTA RICA
Telephone: (506) 49-1072 or 49-1511
Fax: (506)49-1929
Telex: 2331 MACAZE CR

In This Issue

CPR News & Notes	1
Announcements	4
Publications	10

Directory of Tropical Forestry Journals

The Forest Service of the United States Department of Agriculture is compiling a *Directory of Tropical Forestry Journals and Newsletters*. The service hopes to "facilitate and enhance the work of individuals and groups involved in tropical forestry and related fields." They wish to "include publications which are directed specifically to tropical forestry and ancillary fields as well as those which may include an article or two on a regular basis." The Service is attempting to compile this directory as rapidly as possible. Members involved in publication of such materials are urged to contact the Forest Service as quickly as possible for information on how their publication may be included. Contact:

Elizabeth Freed
Forestry Support Program
USDA - Forest Service
14th & Independence SW
P.O. Box 96090
Washington D.C. 20090-6090 USA
Telephone: (202) 453-9589
Fax: (202) 453-3603
Telex: 7401043

Common Property & Homeowners Associations

Honggang Yang, a member at the Center for Applied Anthropology at the University of South Florida reported on a Field Project on Common Property shared and managed by a homeowners association (HOA).

"This project was implemented by a doctoral internship, which was supported by the University of South Florida, and supervised by the Community Associations Institute (CAI), a national non-profit organization. According to CAI, there are some 30 million Americans, 1 out of 8, who live in some form of common interest community where residents share in common property, e.g., condominiums, cooperatives, and hybrid subdivisions; and there are 130,000 community associations nationwide. These common property resources in HOAs include common facilities, common areas, and their maintenance, and they are managed by homeowners who are volunteers and elected to a board of directors at an annual meeting.

'The nature of the commons managed by HOAs, unlike common environmental or natural resources, is of shared communal property resources associated with private property and individual lives within Planned Residential Developments (PRD). Common property in this case is not a vital resource for the basic needs of users' livelihood and security, but those for some quality of life, which are supplemental in an alternative sense. Nevertheless, the commons is a key to harmony and enjoyment of living in a PRD with a HOA.

The Common Property Research Network

The *Common Property Resource Digest* is the primary communication medium of the Common Property Resource Network. Funded with grants from the Ford Foundation and the Rockefeller Brothers Fund, the CPR Network seeks to disseminate information dealing with common property resources, their management, and policies related to their use. It also seeks to foster communication between professionals who work with common property resources; whether as policymakers, administrators, researchers, or educators. The ultimate goal of the network is to improve the conservation and wise use of these resources, and to improve the wellbeing of those people who depend on common property for their livelihood. Membership in the network is open to any individual or institution having an active professional interest in common property resources. At present, there is no charge for membership.

The *Common Property Resource Digest* is published and the CPR Network is administered by the Center for International Food and Agricultural Policy of the University of Minnesota. Facilities are provided by the Department of Agricultural and Applied Economics. Dr. C. Ford Runge is the project director and Edward D. Lotterman is the network administrator and *Digest* editor.

Functioning of the network depends on active participation by its members. Members are asked to report on their professional activities, as well as publications, conferences, and other items of interest. News items, announcements, publications for review, suggestions, and questions should be sent to the *Digest* editor at the following address:

Common Property Resource Digest
332e C.O.B.
1994 Buford Avenue
St. Paul MN 55108 U.S.A.
Tel: (612) 625-7019
FAX: (612) 625-6245

"I also found that there are both intrinsic and extrinsic difficulties in managing the commons in a specific hybrid subdivision that I called 'Pondtrees', such as:

1. The ambiguities of commons in the HOA, such as an identified resident status duality, and differentiation of the commons;
2. restraints upon private property and individual lives;
3. intertwining of individuality, diversity, and collectivity, and the resultant depersonalization of residential corporations;
4. incongruence of interest between different groups of homeowners;
5. contradictions between long-term and short-term interests;
6. lack of rewards for volunteers;
7. limited means to monitor violations and enforce regulations;
8. few alternatives for handling complaints and disputes within the HOA.

"From an anthropological perspective, an HOA is a new sociocultural construct as well as a novel financial/legal arrangement - a result of the creativity of market forces. Such a formation is different from stock companies - a way of interrelating shareholders with business goals. It is run in a civic form and a democratic process for managing and sharing common property. However, its practice is often challenged for its own sake in a culture deeply shaped by private property and individualism.

"HOA commons are a new resource type in our explorations. My study approach is by participant observation and case method. The common property model is examined, and the postulates will be derived from this field research. As it is done by a foreign ethnographer, insightful observations and provocative ideas different from those of native researchers may well be a worthwhile result. I would highly appreciate any references and suggestions from our colleagues."

Yang, Honggang
Department of Anthropology
University of South Florida
Tampa Florida 33620 USA

Wetlands Activities & Partnership

John C. Anderson, a member who is interested in wetlands, forwarded information about two upcoming wetlands conferences (see the Conferences section) as well as the following information about wetlands-related activities.

"Wetlands are important aspects of the physical environment. Wetlands provide important functions in maintaining water quality, controlling flooding events and recharging aquifers. Wetlands are also biologically very diverse and productive.

"I have developed a strong personal and professional interest in wetland preservation through

my participation in the national Wetlands Inventory Program (NWI). The NWI is sponsored by the United States Fish and Wildlife Service and is dedicated to identifying and quantifying this nation's wetlands resources. In the NWI, I have been a central figure in mapping over 260,000 square miles of the United States.

"I would like to share with the membership of the Common Property Resource Network information concerning wetlands programs of an international scope. Several programs are sponsored by the World Wetlands Partnership. The World Wetlands Partnership is a non-profit global network of self-funded or sponsored technical specialists and environmental activists who work part-time to help sustain the world's wetland resources. "Partners" work across political boundaries and continents to support and expand the efforts of the few paid professionals who work full-time in organizations devoted to the same goals. The mission of the World Wetland Partnership is to achieve sustainable use of wetlands by the human community and other creatures of the planet.

"Current or planned Partnership projects include:

1. the Global Wetlands Mapping Project, an effort to map the occurrence and comparative value of wetlands worldwide
2. the Soviet-American Wetlands Scientific Exchange, a project aimed at analyzing comparable ecosystems in the USSR, USA and Canada so as to enhance research and management methods
3. the River and Delta Wetlands Management Team, focusing on issues which include flood control and saltwater intrusion
4. the World Wetlands Adoption Program, a system to provide protection to wetlands of exceptional value.

For further information on the World Wetlands Partnership, contact:

R. Wayne Nelson, Managing Partner
World Wetlands Partnership
Science Applications International
14062 Denver West Parkway
Suite 250
Golden Colorado USA 80401
Telephone: (303) 278-8480
Fax: (303) 278-8461

In addition, I would be interested in communicating with members interested in the application of remote sensing and geographic information systems to map wetlands. Please contact me at the following address:

John C. Anderson
Wetlands Specialist
6421 Morgan Avenue South
Richfield Minnesota 55423 USA
Telephone: (612)861-4661

Announcements

Positions

Ford Foundation - Asia

The Ford Foundation seeks two Program Officers for Asia. Graduate training and experience in the region are required. Contact:

Office of Human Resources
The Ford Foundation
320 East 43rd Street
New York, New York, 10017 USA

LSE - Chile

The London School of Economics and Political Science invites applications "for a post of Research Officer on a project investigating rural households in Chile, financed by the Economic and Social Research Council and directed by Dr. CD. Scott

"Candidates should preferably have a PhD in microeconomics or agricultural economics and proven skills in applied econometrics. Experience with software packages, particularly SAS, on both PCs and VAX computers is essential. A knowledge of Spanish, an interest in peasant agriculture and experience of working with household data from developing countries are desirable.

"Appointment will be for one year from October 1, 1991, with salary in the range of £11,969 to £14170 plus £1,926 London Allowance a year.

"The closing date is August 7, 1991. Application forms and further particulars are available on receipt of a stamped addressed envelope from:

Staffing Office
London School of Economics
Houghton Street
London, WC2A 2AE, UNITED KINGDOM"

Global Warming - Italy

The European University Institute in Florence, Italy, seeks a Research Associate for a project on "Global Warming Policy Analysis." "The suitable candidate will be an environmental economist or an economist with a strong interest in environmental issues and with expertise in econometric model building. The working language of the project is English."

The deadline for applications is September 30, 1991. Requests for further information and applications should be sent to:

Dr. Andreas Frijdal
European University Institute
Badia Fiesolana, Via dei Roccettini 9
I-50016 San Domenico di Fiesole (FI) ITALY
Telephone: (Italy)-(055) 50 921
Fax: (Italy)-(055) 59 98 87

Economics & Law - Woods Hole

"The Marine Policy Center, a multidisciplinary social science research group concentrating on economics and international law seeks applicants for economists and international lawyers at the Assistant and Associate levels to conduct research on problems relating to marine resources, ocean uses and role of scientific information in policy process. With Center resources, these investigators will help develop research programs and raise supporting funds.

"PhD or equivalent degree and demonstrated ability to devise and complete high quality independent research required. Fields of law, international relations, law and economics, science policy. economics of technological change, natural resources and/or conservation / environmental management are preferred, but strong applications from other relevant fields are welcome. A statement of interest, vitae and names of three references should be forwarded to:"

Personnel Manager
Box 54PM
Woods Hole Oceanographic Institution
Woods Hole Massachusetts 02543 USA
"An equal opportunity / affirmative action employer"

Winrock VP - Programs

Winrock International, a leading nonprofit agricultural and rural development firm, is seeking a Vice President, Programs, to plan rural development, implement strategies, and provide leadership and guidance to directors and managers. PhD in agriculture, natural resources, forestry or rural social science required and minimum 10 years experience managing agricultural research or development programs, including 5 years in a developing country. Salary commensurate with experience. Excellent benefits.

"Send cover letter, resume and three references by August 31 to:

Susan Dewey
Winrock International
Route 3, Box 376
Morrilton Arkansas 72110-9537 USA

UNDP- Asian NGOs

The United Nations Development Programme seeks a Regional Environmental Programme Manager to "manage a regional project whose goal is to assist Asian NGOs and grassroots groups in addressing urban environmental problems in major Asian cities through micro grants and project/programme activities ranging from technical assistance projects to training courses/workshops. The project also has an

advocacy role in relation to national policies conducive to effective NGO activities at the community level.

Applicants should have a Masters degree in a development related field such as urban management, environmental studies, sociology, geography and economics. At least 15 years of professional experience in the aforementioned areas and experience in working with NGOs in Asia are expected. Excellent management and communication skills are required. Proven fund-raising abilities an asset. Previous experience with regional programmes/activities in the Asia Region is desirable.

"Compensation will be commensurate with experience. Duration of the position is for two years and will be based in one of the participating Asian countries."

The deadline is August 31, 1991. A detailed curriculum vitae should be sent to:

UNDP/OPS
Re:RAS/91/003
220 E 42nd Street
14th Floor
New York New York 10017 USA
Fax: (212) 906-6501

Water & Environment - Bradford

The University of Bradford's Development and Policy Planning Centre seeks a Lecturer in Water Development and Environmental Management. "Applications are invited from people with a degree in a relevant subject and knowledge of water development and environmental management in developing countries. The appointee will teach these areas on in-service sources in the United Kingdom and overseas and possibly also in Masters degree courses. Operating experience in developing countries and an interest in research are both essential. Higher degree and teaching experience desirable."

Application forms and further information are available from:
Senior Assistant Registrar
Personnel, Ref L/W/D
University of Bradford
West Yorkshire, BD7 1DP, UNITED KINGDOM

Chair - Environmental Economics & Environmental Management - York

"The University is establishing a new School to work closely with the existing Departments of Biology and Economics. We seek an active person with an international reputation in this rapidly developing field. The new Head will be responsible for appointing several new members of staff and for initiating an undergraduate degree course in October 1992, to be taught in conjunction with the two supporting Departments. Applicants should expect to develop an active research programme, to complement existing research strength, including the Stockholm Environment Institute at York.

"Salary within the professorial range (current minimum £28,364 per annum).

"Informal enquiries may be made to Dr. David White, Department of Biology, (Telephone: 0904-432829).

"Ten copies of applications with full curriculum vitae and the names of three references should be sent by 16th September, 1991 to:

Personnel Office
University of York
Heslington, York, YO1 5DD, UNITED KINGDOM

Small Ruminant CRSP - Bolivia

"The Agricultural Economist for the Small Ruminant Collaborative Support Program will be based in La Paz, Bolivia, and is responsible for conducting on-farm research, cost benefit analyses, impact, policy and other economic studies, maintaining project information files, participating in networking activities and serving as part of a multidisciplinary team. The position is funded for two years. PhD in agricultural economics or economics is required, with strong quantitative skills and a minimum of three years experience in overseas agricultural development. Computer skills on word processing, spreadsheets and quantitative analysis are required, also need good communication skills and a working knowledge of Spanish. Salary commensurate with experience. Excellent benefits. Send cover letter, resume and three references by August 15 to Enrique Ospina, Winrock International

Enrique Ospina
Winrock International
Route 3, Box 376
Morrilton Arkansas 72110-9537 USA

CIAT - Project Design

The Centro Internacional de Agricultura Tropical, based in Cali, Columbia, seeks a Project Design Officer.

"The incumbent will head an office that assists CIAT's research programs in designing projects for submission to international funding sources. He/She will guide and assist the design of projects; ensure highest quality design standards; maximize the efficiency and timeliness of project submission; keep a donors database; maintain a portfolio of projects prioritized by CIAT's management; and train scientists in project design.

"Candidates should have a PhD in a field highly relevant for the position; strong experience in project design and monitoring, preferably on agricultural development or natural resource management; and hands-on experience with the latest computerized aids for the job. Excellent communication skills in English and a working knowledge of Spanish are needed. Sharp analytical power is essential for identifying critical input-output paths in an extremely broad

spectrum of projects ranging from molecular biology, through farming systems, to land-use; and the habit of systems thinking will be an asset. Excellent interpersonal relationships are vital as much as the capacity of sustaining high productivity under time pressure."

The closing date for applications is September 30, 1991 or until a suitable candidate is identified. Please submit curriculum vitae including names and addresses of three referees to:

Dr. Filemón Torres
Deputy Director General
CIAT
Apartado Aéreo 6713
Cali COLOMBIA
or to F. Torres from CGNET
or F.Torres %CGNET@INTERMAILISI.EDU from
BITNET/EARN/INTERNET

Food Studies Group - IDC

The Food Studies Group of the International Development Centre at the University of Oxford seeks a Senior Research Officer for their Agricultural Policy Programme. This programme "provides advisory and training services and undertakes research in support of agricultural policy management with a focus on rural capital, labour and product markets, farm/non-farm linkages, institutional finance, and resource economics. The successful applicant will be required to take a wide view of sectoral issues but will be given responsibility for expanding the Programme's portfolio in one or more of the above areas.

"A higher degree in economics or agricultural economics is required. Applicants should have at least five years post-graduate experience including working abroad with governments or international agencies. Fluency in French or Portuguese, in addition to English, is desirable. The posts will be based in Oxford, but extensive overseas travel will be required." For further information, telephone Irene Geldalof at (0865) 270 261 or write her at the address below. Applications consisting of a curriculum vita and names of two references should be sent to:

The Director
Food Studies Group
21 St Giles
Oxford, OX1 3LA, UNITED KINGDOM

Idaho - Endangered Species

The Department of Agricultural Economics of the University of Idaho seeks a Research Associate for a project on the "Economics of Endangered Species." An MS degree is required. For more information contact:

Joel R. Hamilton
Dept. of Ag Econ & Rural Sociology
University of Idaho
Moscow Idaho 83843 USA

ICRAF - Social Science

The International Council for Research in Agroforestry seeks a social scientist / economist for research in the area of agroforestry. A PhD and research experience are required. Contact:

The Director General
ICRAF
P.O. Box 30677
Nairobi KENYA

Short Course

Environmental Impact Assessment

The Development and Project Planning Centre of the University of Bradford, England, offers a variety of training courses in development project planning and management. It is currently advertising a "four-week intensive training course" in Environmental Impact Assessment and Project Appraisal in Developing Countries" to be held from January 27 through February 21, 1992.

"The course is intended to provide a broad understanding of environmental issues in developing countries and to develop a practical knowledge of the procedures for assessing the environmental impact of development projects."

Contact:

The Administrator (E)
Development & Project Planning Centre
University of Bradford
Bradford, BD7 1DP, West Yorkshire
UNITED KINGDOM
Telephone: 0274 73 466
Fax: 0274 726 918
Telex: 51309 UNIBFD

Grants, Fellowships, Internships

Agrarian Studies - Yale

"An experimental, interdisciplinary Program in Agrarian Studies, Beginning in September 1991, will be offering four to six Visiting Research Fellowships. The Program is designed to maximize the intellectual links between Western and non-Western studies, contemporary work and historical work, the social sciences and humanities in the context of research on rural life and society. Fellowships range from US\$15,000 to \$30,000 per academic year. Fellows are expected to reside in New Haven, pursue their own

research, and participate in a colloquium series on the broad theme: "State-Agrarian Society Relations." For more complete information, contact:

James C. Scott
Program on Agrarian Studies
Box 3075 Yale Station
New Haven Connecticut 06520 USA
Fax: (203) 432-5963"

WARDA Research Fellowships

The West African Rice Development Association has announced a limited number of fellowships for African graduate students conducting MS or PhD thesis field research related to rice production in West Africa.

In this time of scarce support for field research, these fellowships may be of interest to some members. However since the topic is somewhat outside the focus of the Network, the entire announcement has not been printed. Interested members should contact WARDA at the following address for more information.

The Director of Research
WARDA/ADRAO
01 BP 2551
Bouaké, Côte d'Ivoire

African Dissertation Internships

"Doctoral students from sub-Saharan Africa are invited to apply to The Rockefeller Foundation for dissertation research support. The program enables Ph.D. students enrolled in U.S. and Canadian universities to return to Africa for extensive field research in areas relevant to economic development or poverty alleviation. Priority is given to research topics in the fields of agriculture, health, and life sciences; but other proposals are welcome. "Applicants are responsible for arranging affiliation with an African institution able to provide needed research support, such as laboratory facilities, access to study sites, and technical advice. The candidate's faculty advisor, the host institution in Africa, and the agency with primary responsibility for financing the student's graduate work must all send letters of endorsement.

"Deadlines for applications are October 1, 1991, and March 1, 1992. Candidates should apply well in advance of the expected field work starting date.

"For a full description of the competition and the application requirements, write to:

African Dissertation Internship Awards
The Rockefeller Foundation
1133 Avenue of the Americas
New York New York 10036 USA"

Biodiversity Research Grants

The Biodiversity Support Program (BSP) - a joint venture of World Wildlife Fund, The Nature Conservancy and World Resources Institute -funded by the U.S. Agency for International Development (A.I.D.) is soliciting proposals for biodiversity research in A.I.D.-assisted countries. The deadline is November 15, 1991. Research may be ecological, economic, anthropological or socio-political in focus or may utilize an interdisciplinary methodology.

"Proposals must demonstrate substantial involvement of host-country researchers and/or institutions and priority will be given to those proposals in which a principal investigator is from a developing country. Projects should not exceed two years and maximum awards will be \$15,000. For information and a copy of the Request for Proposals, contact:

Biodiversity Support Program
c/o World Wildlife Fund
1250 24th Street N.W.
Washington D.C. 20037 USA
Telephone; (202) 778-9795
Fax: (202) 293-9211 (routine correspondence only, not proposals)

Conferences

Common Property Conference

The Second Annual Meeting of the International Association for the Study of Common Property will be held September 26-29, 1991, in Winnipeg, Canada. A four-page folded insert describing the program has been mailed with this issue of the Digest. Please note that the Conference Chair, Dr. Fikret Berkes has moved from Brock University to the University of Manitoba and can now be reached at the following address:

Dr. Fikret Berkes
Natural Resources Institute
The University of Manitoba
Winnipeg, Manitoba R3T 2N2, CANADA
Telephone: (204) 474-8373
Fax: (204)261-0038

Wetlands Conferences

The Wetlands Working group of the International Association of Ecology (INTECOL) is sponsoring the Fourth International Wetlands Conference, to be held in Columbus, Ohio during September 13-17, 1992. The conference will emphasize the global role of wetlands, their global extent, approaches to wetlands restoration and monitoring, and coupling of wetlands with their

landscapes. Another program topic will contrast traditional uses and values of wetlands (e.g. grazing, draining) versus modern utilization and values (e.g. pollution control, wildlife). For further information, contact:

William J. Mitsch
Columbus 92 Wetlands Conference
School of Natural Resources
2021 Coffey Road
Ohio State University
Columbus Ohio 43210 USA
Telephone: (614) 292-9773
Fax: (614)292-7162

A conference entitled the "International Symposium for Constructed Wetlands for Wastewater Quality Improvement" will be held October 21-24, 1991, in Pensacola, Florida. For further information, contact:

Gerald Moshiri
University of West Florida
Wetlands Research Laboratory
Institute for Coastal and Estuarine Research
11000 University Parkway
Pensacola Florida 32514-5751 USA
Telephone: (904) 474-2754

Fisheries Management & Watershed Development Symposium

"A Symposium on Fisheries Management: Dealing with Development in the Watershed is being sponsored by the Northeastern Division of the American Fisheries Society. The Symposium is scheduled for November 12-15, 1991, at the Sheraton Islander Inn and Conference Center, Newport Rhode Island. A distinguished panel of chairmen have convened invited speakers to address the following session topics:

- (1) An overview of the symposium topic;
- (2) evaluation of techniques in relation to fisheries;
- (3) prevention versus mitigation;
- (4) developing realistic goals, objectives and standards;
- (5) public education and involvement.

For details on the symposium, contact:

Harry Mears
NMFS
One Blackburn Drive
Gloucester Massachusetts 01930 USA
Telephone: (508)281-9243

Calls for Papers & Posters

Society & Resource Management

The School of Natural Resources of the University of Wisconsin is planning its Fourth North American Symposium on "Society and Resource Management"

for May 17-20, 1992. Papers and Posters are being solicited around the following general themes:

- Managing Agricultural Production Systems and Environmental Quality
- Aquatic Systems
- Conservation and Sustainable Resource Development
- Cultural Resource Management
- Ecosystem Management and Development
- Environmental Education/Interpretation
- Environmental Ethics
- Ethnic Minorities and the Environment
- Forestry Practices in a Regional Context
- Geographic Information Systems (GIS) Applications for Resource Management
- Human Dimensions of Wildlife
- Integrated Resource Management
- Natural Resources and Local Communities
- Natural Resource Recreation/Outdoor Recreation and Wilderness
- Social Science and Global Resource Issues
- Social Science and International Resource Management
- Visual Resource Management

Paper and poster abstracts, consisting of up to two pages, double-spaced, should be submitted by December 1, 1991, to:

Donald R. Field
School of Natural Resources
146 Agriculture Hall
University of Wisconsin
Madison Wisconsin 53706 USA
Telephone: (608) 262-6968

Fisheries & Watershed Developments

The American Fisheries Society has issued the following call for posters and videos for the AFS conference noted above.

"Watershed development often leads to degradation of inland and coastal fisheries through loss of water quality, physical alteration or removal of habitat, water diversion and loss, and alteration of the watershed's physical integrity. A symposium will be held 12-15 November 1991 in Newport, Rhode Island, to address watershed development issues from the perspective of fisheries management. The Symposium will bring together experts to discuss:

- (1) The role of the fisheries manager in relation to watershed development (past, present, and future);
- (2) the latest techniques and tools for assessing impacts of watershed development on fisheries;
- (3) the value of preventing versus mitigating watershed development;
- (4) procedures for developing realistic management goals, objectives, and standards for fisheries in watershed undergoing development;

(5) public education and involvement in watershed development issues.

The proceedings of the Symposium should serve as a summary of current knowledge and recommendations in these areas.

"In addition to the formal presentations by invited speakers, evening poster and video sessions will be held. The purpose of the poster and video sessions is to provide information on regional and local watershed projects that may be of interest to the Symposium attendees. The projects could involve research, restoration, protection, stock enhancement, management or public relations."

The conference will be held November 12-15 and the deadline for submission of abstracts is September 15, 1991. Abstracts submitted after this date will be considered on a space-available basis. People interested in participating in the poster/video sessions should send an abstract describing the presentation to:

John Boreman
UMass/NOAA CMER Program
Blaisdell House
University of Massachusetts
Amherst, Massachusetts 01003-0040 USA
Telephone: (413) 545-2842

Water Quantity/Quality Disputes

"There is a growing worldwide concern about resource and environmental problems. Allocating scarce water resources and achieving improved water quality are important examples. Although new technologies can be useful, solution of such problems requires a broader view combining technical approaches with economic and political considerations.

"The goal of this conference is to examine how solutions of water problems could be improved by integrating political economics, game theory, and dispute resolution methods for some real-world applications.

"The two day conference is scheduled for May 2-3, 1992, in Washington D.C. Conference sponsors include Resources for the Future, Farm Foundation, World Bank, US Department of Agriculture, The Water Resources Center and Monaster Center at Ben-Gurion University as well as the Universities Council on Water Resources. Details on registration will be announced later.

"Papers will be selected in accordance with subject matter and potential contribution. Subjects of interest include both theory and application regarding: international, sectoral, or local water conflicts; dispute resolution methods such as negotiation, mediation, and economic measurement; institutional considerations including property rights, political economy of water use, game theory, and mechanism design. A subset of the conference papers will be published in an edited volume.

Send three copies of an abstract (one page) before September 15, 1991. Selected presenters will be notified by November 1, 1991. Final version to be mailed to the organizers by March 1, 1992. Those who do not plan to present a paper, but would like to attend may contact the organizers. Abstracts, papers and questions should be addressed to either:

Ariel Dinar
Dept of Ag Econ
University of California
Davis California 95616 USA
Telephone: (916) 752-1526
Fax: (916) 752-8572

Edna Loehman
Ag Econ Department
Krannert Building
Purdue University
West Lafayette Indiana 47607 USA
Telephone: (317) 494-1224

Development Essay Contest

"The Advisory Council for Scientific Research in Development Problems (RAWOO), a Dutch agency that identifies and stimulates innovative research, is holding an essay contest for researchers. The contest's aim is to give researchers an opportunity to write about 'new developments in their fields that may contribute to solving problems in developing countries or to deepening the understanding of development problems.'

"Three cash prizes will be given: Dfl 10,000, Dfl 5,000 and Dfl 2500. The Dutch Guilder (Dfl) is roughly equal to US\$0.50.

"Essays should be in English and no longer than 15,000 words. Texts published elsewhere are not eligible. The winning essays will be discussed at a symposium and published. The first-prize winner may submit a research proposal based on the essay. Funds will be available to cover the cost of preparing the proposal.

"Deadline for receipt of essays is October 1, 1991. For more information, write to:"

RAWOO
P.O. Box 90734
2500 LS, The Hague, NETHERLANDS

CPR Publications

Books

Sustainable Water Management- Fraser River

The Westwater Research Centre at the University of British Columbia carried out an extensive project intended to respond to the challenges in the Brundtland report (*Our Common Future*, United Nations World Commission on Environment and Development, 1987). The Centre focused on sustainable development in Canada's Fraser River Basin. The results of this effort are now available in a large volume edited by Anthony Dorcey, the Project Director. The contents are as follows:

Introduction

1. "Water in Sustainable Development: From Ideal to Reality" by Anthony H.J. Dorcey

Part I: Settlement

2. "Native Indians of the Fraser Basin: Towards a Model of Sustainable Resource Use" by J.E. Michael Kew & Julian R. Griggs
3. "Prospects for Vancouver's Sustainable Development: An Economic Perspective" by Thomas A. Hutton & H. Craig Davis

Part II: Resources

4. "Implications of the Processes of Erosion and Sedimentation for Sustainable Development in the Fraser River Basin" by Olav Slaymaker
5. "Floodplain Management in the Fraser Basin" by Sandra E. Smith
6. "Sustainable Development of the Pacific Salmon Resources in the Fraser River Valley" by Michael A. Henderson
7. "The Quest for Consensus on Sustainable Development in the Use and Management of Fraser River Salmon" by Norman G. Dale.
8. "Birds of the Fraser River Basin in Sustainable Development" by Jean Pierre L Savard
9. "Sustainable Forestry in the Fraser River Basin" by J.P. Kimmins & Dorli M. Duffy
10. "The Evolution of British Columbia's Energy System and Implications for the Fraser River Basin" by John D. Chapman
11. "Planning for Metropolitan Liquid Waste Management in the GVRD: An Innovative Approach Towards Sustainable Development" by Hew D. McConnell

Part III: Institutions

12. "Institutional Design for the Management of Natural Resources of the Fraser River Basin" by Irving K. Fox
13. "Environmental Non-Government Organizations and the Management of the Aquatic Environment for Sustainable Development" by Julia E. Gardner

14. "British Columbia's Water Rights: Their Impact on the Sustainable Development of the Fraser Basin" by Anthony D. Scott
15. "Despoiling a River: Can the Law Help to Sustain the Fraser River?" by Murray T. Rankin
16. "Water Pricing and Sustainable Development in the Fraser River Basin" by Roger C. McNeill

Part IV: Outlooks

17. "Economic Instruments for Sustainable Development of Water Resources" by Peter H. Pearse & Donald M. Tate
18. "The Ecological Basis for Sustainable Development in the Fraser Basin" by William E. Rees.
19. "Distribution Principles for Compassionate Sustainable Development" by Peter Boothroyd
20. "Aboriginal Rights and Sustainable Development in the Fraser-Thompson Corridor" by Andrew R. Thompson

Conclusions

21. "Towards Agreement on Sustainable Development in Water Management: Learning from the Differences" by Anthony H.J. Dorcey
 22. "Towards Agreement on Water Management: An Evolving Sustainable Development Model" by Anthony H.J. Dorcey
- Dorcey, A.H.J. (ed), *Perspectives on Sustainable Development in Water Management: Towards Agreement in the Fraser River Basin*. Vancouver, Westwater Research Centre, 1991. 586 pp., paperback, ISBN 0-920146-40-0, Canadian\$25.00. Westwater Research Center University of British Columbia Room 200, 1933 West Mall Vancouver, British Columbia, CANADA V6T 1Z2

Coastal Economies, Cultural Accounts

Gísli Pálsson, Network member and Senior Lecturer in Social Anthropology at the University of Iceland has written a new book on Icelandic fisheries. "Pálsson draws upon the ethnography of coastal societies and, more specifically, the history of the Icelandic fishery to show how indigenous producers and anthropologists represent interactions between people and the environment. He demonstrates how the cultural models of Icelanders reflect historically different sets of social relations, which have developed at different points in time in the process of appropriating marine resources. Each phase in the development of the fishery, from peasant production to expansive markets and government control, has brought with it a distinct discourse, with particular notions of agency, gender, and social honor."

Contents:

- Foreword by Tim Ingold
- List of figures & tables; Acknowledgments, Preface
- Social theory and human ecology: the speaker and the producer
- Anthropological discussions of fishing economies
- Systems of production and social discourse
- The domestication of nature: household production
- From nature to society: the market economy
- The domination of nature: the modern state
- Conclusions: beyond the language of nature
- Notes, Bibliography, Index

Pálsson, Gísli *Coastal Economies, Cultural Accounts: Human Ecology and Icelandic Discourse*. Manchester, Manchester University Press, 1991. 224 pp. £35.00 hardback, ISBN 0-1790-3543-0

Manchester University Press
Oxford Road
Manchester, M13 9PL, UNITED KINGDOM

Property Rights & Pastoral Development

The Department of Social Anthropology and the International Development Centre of the University of Manchester have produced an edited volume entitled *Property, Poverty and People: Changing Rights in Property and Problems of Pastoral Development*. The volume is derived from a workshop held in Manchester in April 1987. In a vigorously worded introduction, co-editor Paul Baxter describes the circumstances which led to the workshop and volume: "though it was clear that rights in property among East African pastoralists were changing, development interventions were being made in ignorance of these changes." "There was a general consensus among the informed concerned that almost all, indeed maybe all, the development interventions to date had not helped the impoverished pastoralists at all, nor had they added a cent to the wealth of any nation. Pastoralists survived despite development schemes, not because of them." "It may still be arguable in the West that natural resources are best conserved when they are in private ownership, but there is no evidence at all from Africa to support the contention; indeed, all the evidence suggests the contrary. Overgrazing and ecological damage are serious problems where wealthy stock-owners have been able to override common rights and customary restraints". This six-page introduction stands alone as a blunt, concise indictment of the power of ideology in development policy; the papers that follow provide ample evidence to support the charges. The volume ends with a consolidated 20 page bibliography that will be invaluable to anyone working with pastoralism in Africa.

Contents

1. "Social Relationships as an Aspect of Property Rights: Northern Kenya in the Pre-colonial and Colonial Periods" by N.W. Sobania

2. "The Politics of Changing Property Rights Among Isiolo Boran Pastoralists in Northern Kenya" by Richard Hogg
3. "The System of Cattle Redistribution Among the Obbu Borana and Its Implications for Development Planning" by Marco Bassi
4. "Changing Property Rights Among Settling Pastoralists : An Adaptive Strategy to Declining Pastoral Resources" by Gufu Oba
5. "Holy Grounds" by Günther Schle
6. "Changing Responses to Drought in Northern Kenya: The Redille and Gabra Livestock Producers" by Michael O'Leary
7. "Commercialization, Sedentarization, Economic Diversification and Changing Property Relations Among Orma Pastoralists of Kenya: Some Possible Target Issues for Future Pastoral Research" by Hilarie Kelly
8. "Resource-Use, Territory and Property Among the Macha Oromo" by Jan Hultin
9. "Grazing Schemes and Group Ranches as Models for Developing Pastoral Lands in Kenya" by Kimpei Munei
10. "Time and the Boundaries of the Economy in Maasai" by Paul Spencer
11. "Property Rights in 'Animals of Strangers': Notes on a Re-Stocking Programme in Turkana, N.W. Kenya" by Kelly Burke
12. "Intention of Implication -the Effects of Turkana Social Organization on Ecological Balances" by Frode Storås
13. "Livestock Speak Louder than Sweet Words": Changing Property and Gender Relations Among the Turkana" by Vigdas Broch-Due
14. "Material and Symbolic Aspects of Changing Property Relations in a Tswana Society" by Ornulf Gulbrandsen
15. "From Communal Water Rights to Private Wells and Boreholes in Botswana's Communal Areas" by Isaac Mazonde
16. "Dinka Stock Trading and Shifts in Rights in Cattle" by Moses Mangor ring
17. Property Differentiation and Pastoralism in an Agricultural Society: The Berti" by Ladislav Holy
18. "Problemes Poses par l'Arrive Massive de Nomades das une Zone Occupee par des Sedentaires et par la Naissance de Groupements d'un Type Nouveau" by Marie-Jose Tubiana
19. The 'Living Milk' Runs Dry: The Decline of a Form of Joint Ownership and Matrilineal Inheritance Among the Twareg (Niger)" by Clare Oxby
20. "'Cattle and Concrete': Changing Property Rights and Property Interests Among the Fula Cattle Herders Around Kabala, North East Sierra Leone" by Kevin Waldie
21. "Changing Animal Ownership and Access to Land Among the Wodaabe (Fulani) of Central Niger" by Cynthia White.

Baxter, Paul T.W. & Richard Hogg (eds.) *Property, Poverty and People: Changing Rights in Property and Problems of Pastoral Development*.

Manchester, International Development Centre,
1990. 274 pp., paperback. £11.00 + £4.00
(surface) or £8.00 (air) for postage & handling.

Contact:

Paul Baxter
Department of Social Anthropology
Roscoe Building
University of Manchester
Manchester M13 9PL UNITED KINGDOM
Telephone: 061 275 3998

Social Research & Public Policy in Fisheries

The Oceans Institute of Canada has published a proceedings volume entitled *Social Research and Public Policy Formation in the Fisheries: Norwegian and Canadian Experiences*. The volume comes out of an international working seminar held at the Institute of Fisheries of the University of Tromsø, Norway in 1986. The contents follow.

The State and the Fishing Industry

- "Government and Organization: the Case of the Norwegian Fisheries" by Abraham Hallenstvedt
- "Canadian Fisheries Policies and Troubled Newfoundland Communities" by Douglas House
- "Resource Rent: A Key Concept in the Analysis of Regional Imbalances or How to Destroy Comparative Advantage" by Ottar Brox
- "Economic Strategies or Political Solutions: Lining Up With the Vested Interests" by Daniel MacInnes

Dimensions of State Intervention in the Fisheries

- "State Subsidies in the Fishing Industry: Regional Development or Political Favouritism" by Svein Jentoft & Knut B. Mikalsen
- "Aquaculture Policy Formation in a Highly Industrialized Society" by Audun Sandberg
- "Nationalism and State Intervention in Quebec Fisheries: The Precedence of Ideology and Political Will Over Economic Growth" by Yvan Breton
- "Public Policy and Social Control in the Atlantic Fisheries" by Anthony Davis and Victor Thiessen

Impacts of Government Interventions: Case Studies

- "Salmon in Southern New Brunswick: Commercial Fishing on the Bay of Fundy" by Gail Pool
- "Capital Management under Extreme Certainty: A Case Study of the Norwegian Purse-Seine Fishery" by Bjorn Hersoug
- "The Influence of Norwegian Fishery Policy Shown on Three Contrasting Coastal Communities" by Oddmund Otterstad

Alternative Approaches to Fisheries Management

- "Balancing the Brink: The Public Administration of the Fish Stocks and the Problems of Legitimacy" by Bjorn Sagdahl
- "Coping With Scarcity: A Critical Analysis of Fisheries Management in the North Atlantic" by Peter Sinclair

Impacts of State Intervention on Labour Processes and Household Dynamics

- "Fishing Communities and Society: Changing Patterns of Integration" by Stale Sierstad
- "State Intervention and the Labour Process in the Southwest Nova Scotia Lobster Fishery" by John Kearney
- "Local Women and Their Participation in Union-Work in the Fisheries" by Siri Gerrard
- "Recruitment to Small Boat Fishing and Public Policy in the Atlantic Canadian Fisheries" by Victor Thiessen and Anthony Davis
- "Independent Commodity Production in the Nova Scotia Fishery" by Susan Ilcan
- "Workers, Households, Community: A Case Study of Restructuring in the Nova Scotia Fishery" by Martha MacDonald and M. Patricia Connelly

Case Studies of Fisheries Organizations and Conflicts

- "Fishing as a Sub-Social Action" by Per Otnes
- "Bend and Be Strong: An Analysis of Ten Years Experience in Building an Inshore Fishermen's Organization in the Maritime Provinces" by Gilles Theriault & Rick Williams
- "The Limits of Co-operation: Strategies for Fisheries Development" by Wallace Clement

Occupational Health Issues in the Fisheries

- "The Hidden Cost of the Trawler Fishery" by Miriam Binkley
- "What Ails the Fishermen?: A Study of Norwegian Fishermen's Health and Working Conditions" by Jorgen Grinde
- "The Political Economy of Health and Safety in the Newfoundland Trawler Fishery" by Barbara Neis & Susan Williams

Social and Economic Issues in Marketing Fish Products

- "The Game of Market Access: On the Relationship Between Fish-Exporting and Fish-Importing Nations Surrounding the North Atlantic Ocean" by Bardon Steene & Peter Holm
- "Market Segmentation: Nova Scotia Fish Processing and the United States Market" by R.L. Mazany, L.G. Barrett & R.A. Apostle

Social Research and Public Policy in the Fisheries: Summation and Conclusion

- "Concluding Notes on Discussions and Recommendations" by Anthony Davis, Daniel Macinnes & Svein Jentoft
- Macinnes, Daniel, Svein Jentoft & Anthony Davis (eds.) *Social Research and Public Policy Formation in the Fisheries: Norwegian and Canadian Experiences*. Halifax, Oceans Institute of Canada, 1991. 396 pp., paperback, Canadian\$19.95, ISBN 0-7703-2350-2
Oceans Institute of Canada
1236 Henry Street, Fifth Floor
Halifax, Nova Scotia, B3H 3J5, CANADA
Telephone: (902) 494-3879
Fax: (902)494-1334

Agroforestry in Asia and the Pacific

The FAO Regional Office for Asia and the Pacific (RAPA) continues to foster scientific inquiry and interchange on the subject of agroforestry. RAPA, in cooperation with Winrock International Institute for Agricultural Development, sponsored a conference on this topic in Bangkok in May, 1990. The proceedings volume from this conference is now available. It contains the following chapters:

Status of Agroforestry

- "Agroforestry systems in Bangladesh with particular reference to economics and tenurial issues" by M.Z. Abedin and M.A. Quddus
- "Agroforestry in China" by Wang Sen
- "Agroforestry in India: scope and strategies" by N.G. Hegde
- "Agroforestry practices in Indonesia" by Junus Kartasubrata
- "Agroforestry development in Indonesia" by Achmad Sumitro
- "The agroforestry development programme in Lao P.D.R." by Khamfeuane Kingsada
- "Agroforestry in Nepal" by A.R. Tuladhar
- "Agroforestry in Pakistan" by M.I. Sheikh
- "Agroforestry in Papua New Guinea" by W.P. Afing
- "Agroforestry in the Philippines" by Reynaldo C. Bayabos
- "Agroforestry systems in Sri Lanka" by V.R. Nanayakkara
- "Agroforestry in Thailand" by Pearmsak Makarabhirom
- "Some facets of agroforestry in Vietnam" by Hoang Hoe

Agroforestry Development

- "Types of agroforestry systems in Asia-Pacific region" by R.S. Gujaral
- "Promoting agroforestry: framework for a national action plan" by K.F. Wiersum
- "Multipurpose tree species in agroforestry: what do we really know?" by K.G. MacDicken and Choob Khemnark
- "Planning and implementation aspects based on some successful agroforestry projects in Indonesia" by Junus Kartasubrata
- "Assessing the economic potential of agroforestry systems" by T.H. Thomas, Suntud Sangkul & R.W. Willis
- "Agroforestry in India with particular reference to economic factors" by A.N. Chaturvedi

Case Studies

- "Economic evaluation of two agroforestry projects in Indonesia" by Achmad Sumitro
- "Experimental agroforestry models in Vietnam" by Hoang Hoe
- "Effects of intercropping on tree and crop production in Sisaket, Thailand" by Pitaya Petmak W. Millink, Y.S. Rao & K.G. MacDicken, eds.
Agroforestry in Asia and the Pacific (RAPA

Publication 1991/5). Bangkok, FAO, 1991. 304 pp., Free on request to:

Dr. Y.S. Rao
Regional Forestry Officer
FAO - RAPA
Maliwan Mansion, Phra Atit Road
Bangkok 10200 THAILAND
Telephone: 281-7844
Fax: (662) 280-0445
Cable: FOODAGRI BANGKOK
TELEX: 82815 FOODAG TH

Publication Series

Westwater Publications

The Westwater Research Center in Vancouver (see "Sustainable Water Development" above) has maintained an active publishing program. A publications list is available detailing the 25 books and nearly 30 shorter reports available. These publications are divided into four categories:

1. Water Resources in the Sustainable Development of River Basins.
2. Management of Human Impacts on Water Quality.
3. Management of Human Activities in Coastal Marine and Estuarine Environments
4. International Water Resources Management.

This publications list is available from

Westwater Research Center
University of British Columbia
Room 200, 1933 West Mall
Vancouver, British Columbia, CANADA V6T 1Z2

ICLARM Publications -1990

The International Center for Living Aquatic Resources Management (ICLARM), headquartered in Manila, is a fertile source of information on coastal and aquatic resource management. A 26-page catalog is now available listing their Conference Proceedings, Technical Reports, Studies and Reviews, Bibliographies, Posters, Translations, Directories, Software, Newsletters, Educational Series, Magazines, and Reports. ICLARM also manages publications of the Asian Fisheries Society. The catalog is a comprehensive listing of all ICLARM materials currently available and includes detailed instructions for ordering through their exclusive representatives in North America and Europe or from their headquarters in Manila. The catalog is available at no cost from:

The Editor
ICLARM
MC P.O. Box 1501
Makati, Metro Manila, PHILIPPINES

IIED - Sustainable Agriculture Reports

The International Institute for Environment and Development (IIED) headquartered in London publishes a "GATEKEEPER Series" of short reports under the aegis of its Sustainable Agriculture Programme. Many of these reports are likely to be of interest to Network members. Offerings to date include:

1. *Pesticide Hazards in the Third World: New Evidence from the Philippines*, J.A. McCracken & G.R. Conway, 1987.
2. *Cash Crops, Food Crops and Agriculture Sustainability*, E.B. Barbier, 1987.
3. *Trees as Savings and Security for the Rural Poor*, R.J.H. Chambers, 1988.
4. *Cancer Risk and Nitrogen Fertilizers: Evidence from Developing Countries*, J.N. Pretty & G.R. Conway, 1988.
5. *The Blue-Baby Syndrome and Nitrogen Fertilizers: A High Risk in the Tropics?*, J.N. Pretty & G.R. Conway, 1988.
6. *Glossary of Selected Terms in Sustainable Agriculture*, J.A. McCracken & J.N. Pretty, 1988.
7. *Glossary of Selected Terms in Sustainable Economic Development*, E.B. Barbier & J.A. McCracken, 1988.
8. *Internal Resources for Sustainable Agriculture*, C.A. Francis, 1988.
9. *Wildlife Working for Sustainable Development*, B. Dalai-Clayton, 1988.
10. *Indigenous Knowledge for Sustainable Agriculture and Rural Development*, D.M. Warren & K. Cashman, 1988.
11. *Agriculture as Global Polluter*, J.N. Pretty & G.R. Conway, 1989.
12. *Evolution of Agricultural Research and Development Since 1950: Toward an Integrated Framework*, R.E. Rhoades, 1989.
13. *Crop-Livestock Interactions for Sustainable Agriculture*, W. Bayer & A. Waters-Bayer, 1989.
14. *Perspectives in Soil Erosion in Africa: Whose Problem?*, M. Fones-Sondell, 1989.
15. *Sustainability in Agricultural Development Programmes: The Approach of USAID*, R.O. Blake, 1989.
16. *Participation by Farmers, Researchers, and Extension Workers in Soil Conservation*, S. Fujisaka, 1989.
17. *Development Assistance and the Environment: Translating Intentions into Practice*, M. Wenning, 1989.
18. *Energy for Livelihoods: Putting People back into Africa's Woodfuel Crisis*, R. Mearns & G. Leach, 1989.
19. *Crop Variety Mixtures in Marginal Environments*, J. Jiggins, 1989.
20. *Displaced Pastoralists and Transferred Wheat Technology in Tanzania*, C. Lane & J.N. Pretty,

1990. (An earlier version of this paper was reviewed in Issue No. 13 of the Digest)

21. *Teaching Threatens Sustainable Agriculture*, R.I. Ison, 1990.
22. *Microenvironments Unobserved*, R. Chambers, 1990.
23. *Low Input Soil Restoration in Honduras: The Cantarranas Farmer to Farmer Extension Programme*, R. Bunch, 1990.
24. *Rural Common Property Resources: A Growing Crisis*, N.S. Jodha, 1991. (This is a shortened version of the Jodha paper noted below)
25. *Participatory Education and Grassroots Development: The Case of Rural Appalachia*, J. Gaventa & H. Lewis.
26. *Farmer Organizations in Ecuador: Contributions to Farmer First Research and Development*, A. Bebbington, 1991.

Papers in this series are typeset and generally are 12-20 pages in length. Any is available at a cost of £2.50 from:

Sustainable Agriculture Programme
IIED
3 Endsleigh Street
London WC1H 0DD UNITED KINGDOM
Telephone: 071-388-2117
Fax: 071-388-2826
Telex: 261681 EASCAN G

SSRC - African Working Papers

The Social Science Research Council has announced a new set of working papers coming out of their Project on African Agriculture.

"The research presented in these papers was sponsored by the Project through a fellowship program administered by the Joint Committee on African Studies of the Social Science Research Council from 1987 to 1991. Funding for the project was provided by the Ford Foundation and the Rockefeller Foundation.

"The primary objective of this project has been to promote interdisciplinary analysis, particularly collaborations of natural and social scientists, of the agricultural crisis in sub-Saharan Africa. We have sought, through our thematically focused fellowship program, to contribute to the development of new concepts and methods for analyzing the biological, economic, social, and historical processes that affect agricultural performance in Africa.

"As the fellowship program, and the Project itself draw to a close in the coming year, we have conceived of the Working Paper Series as a concluding effort to disseminate some of the products of this work. It is hoped that through the series, which we foresee involving between 10-16 papers in the coming year, the findings of the research funded by the project will be circulated to as wide an audience of interested

interested scholars as possible. As such, we encourage requests for the following papers:

Currently available"

- 1.) *Peasant Differentiation and Food Security in Zimbabwe* by Nick Amin
- 2.) *Household Vulnerability to Famine: Survival and Recovery Strategies among Zashghawa and Berti Migrants in Northern Darfur, Sudan: 1982-1989* by Alison Pyle and Omer Gabbar

Forthcoming:

- *Population Pressure, Agricultural Change and Environmental Consequences in Southeastern Nigeria* by Francis C. Okafor
- *Socio-economic Constraints to the Production of "Belg" Crops in Ethiopia: A Case Study of Three Peasant Associations* by Alemayehu Lirens
- *The Gender Division of Labour in Ethiopian Agriculture: A Study of Time Allocation in Private and Co-operative Farms in Two Villages* by Dejene Aredo
- *Structural Adjustment and Irrigated Food Farming in Africa: The Disengagement of the State in the Senegal River Valley* by Philip Woodhouse and Ibrahim Ndiaye

"Individual papers will be distributed at cost (US\$4.00) to U.S.-based researchers, and free to researchers based in Africa. Send a letter of request, with payment included if applicable, indicating title, author or number of the paper desired, addressed to:

The Project on African Agriculture
Working Paper Series
Social Science Research Council
605 Third Avenue
New York, New York 10158 USA
Telephone: (212) 661-0280
Fax: (212) 370-7896

Reports & Papers

Climate Change & Coastal Biodiversity

Walter Reid and Mark Trexler, staff members at the World Resources Institute, have produced a new report on possible effects of global warming on coastal biodiversity in the United States. The following description is taken from the Institute's pre-publication flier.

"Wetlands, coral reefs, mangroves and other coastal ecosystems are severely stressed as a result of pollution, sedimentation, landfilling, and other by-products of a growing human population. Add to these yet another set of threats associated with global warming and the prospects for some of the world's richest ecosystems grow dim. This report evaluates the current status of coastal biodiversity and examines the potential impacts of predicted climate change. The authors analyze various policy responses and

recommend immediate impacts to protect the biological wealth of vital coastal ecosystems."

Contents:

- I. Introduction and Overview
- II. Coastal Ecosystems: The fragile land/sea margin
 - coastal species
 - coastal habitats
 - ecological processes
 - economic indicators of coastal biodiversity's status
- III. Global Warming: An Additional Stress on Coastal Biodiversity
 - Impacts on Coastal Habitats
 - Impacts on Coastal Species Diversity
 - Other Impacts of Climate Change
- IV. Public Policy and the Conservation of Coastal Biodiversity
 - Public Policy Options in the Face of Uncertainty
 - The Status of U.S. Policy
 - Conclusions and Recommendations

Reid, Walter V. & Mark C. Trexler. *Drowning the National Heritage: Climate Change and U.S. Coastal Biodiversity* Washington D.C., World Resources Institute, 1991. 60 pp., paperback. ISBN 0-915825-7, US\$12.50.

Order from:

WRI Publications
P.O. Box 4852
Hampden Station
Baltimore Maryland 21211 USA
Telephone: (800) 822-0504

Oxford - CPR Management in India

The Oxford Forestry Institute has published its Tropical Forestry Paper No. 24, *Common Property Resource Management in India*. Written by members J.E.M. Arnold from the Institute and W.C. Stewart from the Department of Forestry and Resource Management at the University of California, Berkeley, the report is "based on a review study for the World Bank." The summary follows.

"This study reviews the state-of-knowledge regarding common property resource (CPR) management in India, based on published and unpublished sources and discussions with researchers in this field in India.

"CPR usage occurs on lands under a variety of customary and formal tenure arrangements. These lands include panchayat and revenue lands, reserved and unreserved forest lands, and private agricultural land under seasonal fallow. There may be multiple use, for different periods or by different groups, or at different times of the year.

"During the colonial and post independence periods, the uncultivated lands of India which have been used as CPRs have been progressively reduced, as they have been brought under government control or have been privatized. In the last forty years many traditional forms of CPR management have been weakened or collapsed owing to increasing population pressure, greater commercialization, certain public policies, technological change and environmental pressure.

"The importance of the remaining CPRs in terms of sustainability is basically twofold. First, they fill crucial gaps in the resource and income flows from other resources; providing complementary inputs into agricultural systems often critical to their continued functioning. Second, they are often a major source of support for the poor, who are particularly heavily dependent on CPRs, generally lack access to the resources necessary to develop privatized common land, and benefit considerably from the employment created by CPR management activities.

"The strong thrust towards bringing use of common resources under private or government control has often been based on a thesis which confuses degradation due to unregulated use under an open access situation for breakdown in CPR management arrangements. This misunderstanding has been compounded by a tendency to overlook reasons why the alternatives of private or state control may themselves not be sustainable or efficient, and the bias that can exist in property legislation in favour of private property.

"The pressures on remaining CPRs will undoubtedly further erode many existing CPR management practices and institutions. Nevertheless, examination of surviving indigenous regimes, and of promising new ones, has identified a number of features which appear to define conditions for viable and sustainable CPR management in appropriate circumstances. These centre round control and management by the user group, securing the rights of the latter to use of the resource, and defence of those rights against intrusion, and investment in outputs that users value and can manage. It is notable that some recent interventions which have been less successful in inducing sustainable communal management, such as Social Forestry woodlot programmes, have not been consistent with these conditions."

Arnold, J.E.M. & W.C. Stewart, *Common Property Resource Management in India*. Oxford, Oxford Forestry Institute, 1991. 53 pp., paperback, no charge, ISBN 0-85074-119 X, ISSN 0141-9668.

Contact:

J.E.M. Arnold
Oxford Forestry Institute
South Parks Road
Oxford OX1 3RB UNITED KINGDOM
Telephone: (0865) 275000
Fax: (0865) 275074
Telex: 83147 VIAOR G ATTN FOROX

Amazonia

The Rainforest Action Network has published a "resource and action guide" which "puts within easy reach the names, addresses, and program descriptions of the rainforest peoples and their support organizations around the world." The volume includes an "Amazonian Almanac of rainforest facts and figures" as well as "profiles of over 250 international organizations working to save the Amazon", lists of books and films as well as maps and photographs of the region. The Rainforest Action Network also publishes World Rainforest Report, a quarterly newsletter.

Rainforest Action Network, *Amazonia: Voices from the Rainforest*. San Francisco, Rainforest Action Network, 1991. 92 pp., paperback, US\$10.00.
Rainforest Action Network
301 Broadway, Suite A
San Francisco California 94133 USA

Dahlberg - Regenerative Systems

Network member Ken Dahlberg, of the Department of Political Science at Western Michigan University, presented a paper entitled "Fields, Fisheries, Grasslands and Forests: Towards More Regenerative Systems at a recent meeting of the American Association for the Advancement of Science in Washington D.C.

The abstract follows. "The paper argues that only by going beyond current industrial categories of thought will we be able to appreciate the threats to (and from) modern industrial societies as well as the possibilities for dealing with them as we move towards a post-fossil fuel era. The full dimensions of food and fiber systems can be captured only through a process of 1) recognizing industrial biases, 2) rethinking current theories, models and indicators, and 3) developing new goals and priorities to facilitate the restructuring that will be required to make ecologically-based food and fiber systems more regenerative."

Dahlberg, Kenneth A. *Fields, Fisheries, Grasslands and Forests: Towards More Regenerative Systems*, paper presented meeting of the American Association for the Advancement of Science, Washington D.C., February 17, 1991. 27 pp.

Contact:

Kenneth A. Dahlberg
Department of Political Science
Western Michigan University
Kalamazoo, Michigan 49008 USA
Telephone: (616) 387-5686
Fax: (616)387-3999
E-mail: Dahlberg@GW.WMICH.EDU

Journals

Philippine Natural Resources Law Journal

The Legal Rights and Natural Resources Center in Quezon City, Philippines, publishes the *Philippines Natural Resources Law Journal (PHILNAJUR)*, a serial devoted to natural resource law in the Philippines and Southeast Asia. The December 1990 issue contained five articles, totaling 80 pages, focused on forest resource policy and law. Published in an 8 1/2 by 11" format with photographs and illustrations, *the Journal* is attractive and easy to read. The *Journal* is in its third volume and has an ISSN, 0116-8282. The overseas subscription price is US\$10.00 per year for individuals and US\$20.00 for institutions. The publishers are open to exchange arrangements with institutions that also produce publications. Contact:

Circulation Manager
PHILNAJUR
Room 106, PSSC Building
Commonwealth Avenue
Diliman, Quezon City PHILIPPINES

Environmental and Resource Economics

Kluwer Academic Publishers, in co-operation with the European Association of Environmental and Resource Economics (EAERE) has initiated publication of a new journal, *Environmental and Resource Economics*.

"The primary concern of *Environmental and Resource Economics* is the application of economic theory and economic methods to those environmental issues that require rational economic analysis. The current debate includes a number of relatively unexplored topics and *Environmental and Resource Economics* provides an international forum for the advancement of discussing them, including the valuation of environmental goods, energy consumption and alternatives. The content of *Environmental and Resource Economics* should be directly influential on policy-making.

Areas of particular interest include:

- evaluation and development of instruments of environmental policy
- cost-benefit and cost-effectiveness analysis
- sectoral environmental policy impact analysis
- modelling and simulation
- institutional arrangements
- resource pricing
- environmental quality indicators

"No restriction will be placed on methodologies employed, and no artificial barrier will be placed in the way of either theoretical or applied work. The main focus of *Environmental and Resource Economics* is on environmental problems of broad international dimensions. The publication of empirical and policy oriented research deserves a high priority in the

journal, which thus functions as a platform for the critical discussion of the economic impact of environmental policy, the environmental consequences of economic activities, and incentive systems for improved environmental protection.

"*Environmental and Resource Economics* will accept work for publication from areas other than economics, where this helps understanding of the complexity of environmental economic issues, provided that such work contains strong economic components."

As a commercially-published venture, the subscription rates for this new journal may be daunting for many members. They currently are US\$166.50 for institutions, \$95.00 for individuals and \$67.50 for EAERE individual members.

Available from:

Kluwer Academic Publishers
P.O. Box 322
3300 AH Dordrecht NETHERLANDS

or in North America

P.O. Box 358, Accord Station
Hingham Massachusetts 02018-0358 USA

Nomadic Peoples

"*Nomadic Peoples* is an international journal published by the Commission on Nomadic Peoples (of the International Union of Anthropological and Ethnological Sciences). Its primary concerns are the current circumstances and future possibilities of all fully or partly nomadic peoples around the world. Its audience is all students of nomadic and pastoral peoples, particularly specialists - scholars, researchers, planners, project administrators - working among nomadic and pastoral peoples or from a distance on the contemporary situations of such peoples.

"*Nomadic Peoples* is published biannually (since 1990) with support from Nordiska afrikainstitutet (Scandinavian Institute of African Studies). The editor is Anders Hjort af Ornäs.

The contents of recent issues broadly illustrate the focus of this journal.

- "Number 25-27: 1990 Pastoralism and the State.
- "Pastoralism and the State in African Arid Lands. An Overview" by M.A. Mohamed Salih.
 - "The Cow and the Crown: What African States Can Learn from European and Scandinavian Mismanagement" by Anders Hjort af Ornäs.
 - "Pastoralists, Ranchers and the State in Nigeria and North America: A Comparative Analysis" by Jerome E. Gefu and Jere L Gilles.
 - "Government Policy and Options in Pastoral Development in the Sudan" by M.A. Mohamed Salih.
 - "Levels of Identity and National Integrity: The Viewpoints of the Pastoral Maasai and Parakuyo" by Arvi Hurskainen

- "Wildlife Conservation, Ecological Strategies and Pastoral Communities. A Contribution to the Understanding of Parks and People in East Africa" by Martin Enghoff
- "Pastoral Peoples and the Provision of Educational Facilities: A Case Study from Kenya." by Anders Närman
- "Getting the Most Out of It: Nomadic Health Care Seeking and the State in Southern Somalia" by Bernhard Helander.
- "Household Viability and Change among the Tugens: A Case Study of Household Resource Allocation in the Semi-arid Baringo District" by Pål Vedeld.

Number 28: 1991

- "The Al Wahiba: Bedouin Values in an Oil Economy" by Roger Webster.
- Control of Resources and Social Cohesion: The Role of the Bedouin Domestic Group" by Ugo Fabietti.
- "Changes in Land Usage by the Negev Bedouin since the Mid-19th Century" by Gideon M. Kressel, Joseph Ben-David & Khalil Abu Rabi'a.
- "The Impact of International Wage Labor Migration on Hawazma (Baggara) Pastoral Nomadism" by Barbara J. Michael.
- "The Unmaking of the Datoga: Decreasing Resources and Increasing Conflict in Rural Tanzania" by Daniel K. Ndagala.
- "Composition of Household Herds and Rendille Settlement Patterns" by Eric Abella Roth & Elliot Fratkin.
- "Transhumant Pastoralism in the High Sierra of the South Central Andes: Human Responses to Environmental and Social Security" by Lawrence A. Kuznar.
- "Change and Continuity in Nomadic Pastoralism on the Western Tibetan Plateau" by Melvyn C. Goldstein and Cynthia M. Beall.
- "Sami Ethnicity and Polity - Conflict and Compromise Regarding Development in the North" by Tom G. Svensson.

"Subscription prices: Institutions, US\$45.00 per year.; Individuals, US\$35.00 per year. Single issue prices: Institutions, US\$25.00; Individuals US\$17.50. Back issues before 1990 are available at half the current price of single issues. Payment is made in equivalent amounts in SEK (Swedish Kroner)." (US\$1.00 = SEK 6.00) An order form specifying payment details using credit cards, SWIFT postal giros, or bank cheques is available from the following address, as is further information on contents or procedures for submission of articles:

Nomadic Peoples
 c/o Nordiska africanstitutet
 Scandinavian Institute of African Studies
 P.O. Box 1703
 S-751 Uppsala SWEDEN
 Fax: (46) 18-314292

Newsletters

Caribbean Moss Bulletin

"Ten years ago a project was started by the Government of St. Lucia to develop methods for the commercial cultivation of seamoss. The seaweeds that are known as seamoss in much of the Caribbean, and as Irish moss in Jamaica, have been used for generations to make drinks and puddings, but the demand led to overharvesting, and a decline in the wild stocks. The seamoss project in St. Lucia aimed to provide a simple technology that required little capital input, and which would give coastal communities an additional source of income from the sea."

"To assist this regional expansion, the *Caribbean Moss Bulletin* will serve as a means of exchanging information and sharing experience in this exciting new mariculture development. The first issue will be brief, and will serve firstly to outline the activities of the various local and regional agencies that are involved with the development of the seamoss and Irish moss industry, and secondly to invite contributions to the next issue."

The first issue, a two-page single sheet contained the above information as well as short notes about activities "Around the Region", a list of uncoming workshops and a list of publications related to seamoss. For more information, contact:

The Caribbean Natural Resources Institute
 Clarke Street
 Vieux Fort
 St. Lucia, West Indies
 Telephone (809) 454-6878
 Fax: (809)454 5188

Wetland Notes

Wetland Notes is a new quarterly newsletter published by Zentner & Zentner, a firm specializing in land planning and restoration. The newsletter's statement of purpose is as follows:

"Wetland planning, management, and restoration is characterized in California by multiple jurisdictions, complex regulations, and insufficient information for decision-making. This newsletter began as a way of fostering communication among local, State, and Federal agency staff, consultants, and others with an interest in wetlands. Submission of articles, letters, or anecdotes is encouraged. Please try to make these submissions timely, informative, and thought-provoking. All submissions must include your name, address and phone number; we want others to be able to respond to your work."

Wetland Notes
 Zentner & Zentner
 925 Ygnacio Valley Road, Suite 250
 Walnut Creek California 94596 USA
 Telephone: (415) 947-6888

infoOCEANS

The Oceans Institute of Canada, in Halifax, Nova Scotia, publishes a monthly news service titled *infoOCEANS*.

"*infoOCEANS* is designed to cater to the information requirements of government, industry, the public and educational institutions. The content is concise (articles average 200 words, with contacts provided) and deals with subjects from the following oceans-related categories: coastal communities, conservation, energy, fisheries and aquaculture, law and policy, marine environmental quality, recreation and tourism, science and technology, security and sovereignty, and shipping and transportation. The publication is available to subscribers in either print or facsimile."

"*infoOCEANS* is issued monthly and is available by subscription for FAX (Canadian \$50.00 or print (Canadian \$80.00) distribution. In Canada add 7% GST. Foreign orders payable in US funds. *infoOCEANS* accepts submissions by mail, Fax or telephone. Please direct all inquiries to:"

Richard F. Hand, Editor
Oceans Institute of Canada
1236 Henry Street, 5th Floor
Halifax, Nova Scotia, B3H 3J5 CANADA
Telephone: (902) 494-3879
Fax: (902) 494-1334

Publishers' Offerings

The following brief notes are gleaned from the mass of publishers catalogs and fliers by the editor. These books were chosen on the basis of tables of contents or descriptions that indicated material which might be of interest to members of the Network.

Kumarian Press

Keepers of the Forest

Keepers of the Forest: Land Management Alternatives in Southeast Asia is an edited volume which emphasizes the importance of local control of forest resources. Chapters include:

- Historical Perspectives
- Evolution of Forest Management Systems in Southeast Asia
- A History of Forest Management in Java
- Tools and Techniques for Participatory Management
- Facilitating Change in Forestry Bureaucracies
- Empowering Communities Through Social Forestry
- Evolving Management Systems in Thailand
- The Growth of the Philippine Social Forestry Programme

Poffenberger, Mark, ed. *Keepers of the Forest: Land Management Alternatives in Southeast Asia* West Hartford, Kumarian Press, 1990. pp. xxv + 289. Paper, US\$24.95, ISBN 0-931816-81-5; Cloth, US\$35.00, ISBN 0-931816-82-3

Managing Organizations

This book is not concerned with common property or natural resources, but rather with the management of public and private organizations in developing countries. The author is on the faculty at Carleton University. The contents include:

- The Importance of Organization for Developing Countries
- Critical Operating Tasks
- Strategic Management Tasks
- Integration of Operating and Strategic Tasks
- Human Resource Development and Utilization
- Transfer of Technology, Knowledge and Expertise
- Decentralization
- Managing Structural Adjustments
- Final Work: Linking Organizations to National Development

Kiggundo, Moses N. *Managing Organizations in Developing Countries: An Operational and Strategic Perspective*. West Hartford, Kumarian Press, 1989. pp. xx + 317. Paper, US\$27.95, ISBN 0-931816-42-4; Cloth, US\$39.95, ISBN 0-931816-75-0.

The Water Sellers

This new book describes an innovative effort in Bangladesh. "Consider a strategy that places economic power into the hands of the landless poor - waterselling. This approach to rural development, initiated by Proshika (a Bangladeshi NGO), empowered the landless to build irrigation systems and sell these services to landed farmers. Gives a unique perspective on development projects involving NGO's, their social implications, and the need for appropriate technology. Project managers, agricultural economists, irrigation engineers, and sociologists will want to study this innovative approach to helping the poor." The contents include:

- The Project
- Experience and Research
- Social Relations
- Market Conditions and Bargaining
- Small Farmer's Access to Irrigation Schemes
- Financial Performance of the Landless Irrigation Program
- Employment
- Lessons and Policy Implications
- Conclusions

Wood, Geoffrey D. & Richard Palmer-Jones with MA.S. Mandal, G.F. Ahmed & S.C. Scutta. *The Water Sellers: A Cooperative Venture by the Rural Poor*. West Hartford, Kumarian Press, 1991. pp. xxviii + 284. paperback, US\$24.95, ISBN 0-931816-83-1

The three volumes described above are available from:
Kumarian Press
630 Oakwood Avenue
Suite 119
West Hartford Connecticut 06110-1529 USA

Kluwer Academic Publishers

Kluwer initiated a series on "Economy and Environment" some time ago. The two books issued thus far seem similar to other offerings from any of the Dutch commercial publishers in that they are thoughtfully organized, break out of the North American mold a bit and are overpriced! List prices of \$95 limit these volumes to institutions or well-heeled individuals, but they are useful contributions to the literature.

Economy and Ecology

Volume 1 in the Kluwer series, entitled *Economy and Ecology: Towards Sustainable Development*, is an edited volume which features the following contributions by authors from several continents, though Europeans are in the majority.

Introduction

- "The Challenge of Sustainable Development", F. Archibugi, P. Nijkamp & F.J. Soeteman

Part A: Growth Development and Sustainability

- "'Our Common Future' Sustaining the Momentum" by J. MacNeill
- "Ecological Sustainability and Economic Development" by D.E. James, P. Nijkamp, & J.B. Opschoor
- "Towards Sustainable Development: An Environmental Perspective" by R.E. Munn
- "Steady-State and Growth Concepts for the Next Century" by H.E. Daly
- "Externalities, Economics & Thermodynamics" by R.U. Ayres & A.V. Kneese
- "Ecological Modernization of Industrial Society" by U.E. Simonis
- "Economics versus Ecology" by S. Lombardini

Part B: Environmental Assessment and Policy Evaluation

- "An Assessment of Environmental Progress: The Reason for Failure" by B. Commoner
- "Comprehensive Social Assessment: An Essential Instrument for Environmental Policy Making" by F. Archibugi
- "Environmental Quality in a New System of Social Accounts" by K.A. Fox

- "Multicriteria Analysis: A Decision Support System for Sustainable Environmental Management" by P. Nijkamp
 - "Social Cost-Benefit Analysis and Soil Erosion" by P. Dasgupta & K.G. Mäler
 - "Environmental Policy in Relation to Territorial Distribution and Productive Activities" by M. Bresso
 - "Physical Planning and Environmental Protection in the Long Term" by H. Leeflang
 - "Four Important Changes in the American Approach to Environmental Regulation" by L.E. Susskind
 - "Economic Growth and Environmental Change in Japan: Net National Welfare and Beyond" by K. Uno
 - "Comparative Analysis of Environmental Policies" by G. Scimemi
 - Index
- Archibugi, F. & P. Nijkamp *Economy and Ecology: Towards Sustainable Development* Dordrecht, Kluwer, 1989. pp. 360, US\$95.00, ISBN 0-7923-0477-2

Environment and Development

The second volume, *Environment and Development: An Economic Approach* is a shorter work written by three faculty members from the Stockholm School of Economics.

- "Summary" by Jan Bojå
 - "Introduction" by Jan Bojå and Karl-Göran Mäler
 - "Distortions in the Economic System and the Need for Economic Analysis" by Jan Bojå
 - "General Equilibrium Analysis and National Accounting" by Karl-Göran Mäler
 - "Economic Analysis of Environmental Consequences" by Jan Bojå
 - "Case Studies" by Lena Unemo
- Bojå, Jan, Karl-Göran Mäler & Lena Unemo *Environment and Development: An Economic Approach* Dordrecht, Kluwer, 1990. pp. 175, US\$57.50, ISBN 0-7923-0802-6

Available from:

Kluwer Academic Publishers
P.O. Box 322
3300 AH Dordrecht NETHERLANDS

or in North America

P.O. Box 358, Accord Station
Hingham Massachusetts 02018-0358 USA