



The Common Property Resource Digest

No. 20

Devoted to community-based resource management

December 1991

Common Property News & Notes

1992 IASCP Conference in Washington

The previous issue of the *Digest* noted that the next annual meeting of the International Association for the Study of Common Property was tentatively planned for Washington D.C. in early October, 1992. The planning has continued with the following results. The meeting will be held in Washington D.C. at the Stouffer-Mayflower Hotel beginning Thursday, **September 17** and ending Sunday, **September 20, 1992**.

Dr. Bonnie McCay of Rutgers University has agreed to serve as program chair for the 1992 meeting and has issued a call for papers and posters which is included in the Announcements section of this issue as well as a separate insert. Further information will be passed on as it becomes available.

One of the reasons Washington was chosen as a site was the close physical proximity of many environmental, conservation and development institutions. The Association officers hope that it will be possible to draw staff members from these institutions to many of the sessions, thus diffusing up-to-date knowledge on the nature and role of common property within this community. This site will also allow participants who are funded by or work collaboratively with Washington-based organizations to confer with colleagues at these institutions. It is hoped that some such institutions may take advantage of the Conference to organize related meetings. These factors were thought to outweigh the somewhat higher food and lodging costs of a major city such as Washington.

Plans for the 1993 conference also continue. The Association Board of Councilors would like to see the conference held at a site outside of North America, perhaps in Asia, given the importance of common property in that region. Additional information will be passed along in future issues of the *Digest*.

Trade & Environment

Network member Beth Benjamin-Alvarado forwarded the following "request for assistance or materials related to environmental policy coordination, environmental pollution standards, and environmental law in relation to the United States - Mexico Free Trade Agreement.

"I am a graduate student at the Monterey Institute of International Studies in Monterey, California in the field of International Public Administration. With the development of the North American Free Trade Agreement (NAFTA), both the U.S. and Mexico will be confronted with a shared environmental problem. In observing the negotiations of the NAFTA, one should be careful to note whether or not the economic incentives of the plan will overshadow the environmental concerns. My research hypothesis is that unless policy coordination exists between each nation's environmental agencies, the EPA and SEDUE,

In This Issue

CPR News & Notes	1
Announcements	3
Winnipeg Program	6

the environmental crisis along the border will only worsen. I will be looking at the respective organizational structures and cultures along with societal attitudes towards the environment, and prosecutions for violations of environmental statutes.

"I will be studying the possible cases where countries (the US, Mexico and Canada) have worked together on a common environmental problem, whether or not there was cooperation in these cases. I will also be looking at environmental standards of the countries studied, similarities and differences. Any and all assistance will be greatly appreciated."

Any members who have information on or an interest in such environmental aspects of trade agreements are encouraged to write:

Beth Benjamin-Alvarado
c/p MIIS
525 Van Buren Street
Monterey California 93940
Telephone: (408) 659-0262
Fax: (408)647-4199

CPR's in India's Hill Country

Member L. K. Mahapatra from Bhubaneswar, Orissa, India reports that "(T)he Government of India in the Ministry of Welfare (Tribal Development) has sanctioned funds for undertaking 'Model Feasibility Study in Bonda Hills, Koraput District, for Extensive Terracing and Alternate Land Use Modules for Rehabilitation of Shifting Cultivators *in situ*.'"

"This project was directed by Professor LK. Mahapatra as the Director of the Nabakrushna Choudhury Centre for Development Studies, Bhubaneswar, Orissa, India, with a view to resuscitating community resource management institutions and indigenous competence. Towards this end, the Chief Minister of Orissa had decreed that the lands cultivated by the scheduled tribe, BONDA, in their terraces above 10% slope would be entered as their property in the Government records and they would be given *usufruct* rights over the trees and plantations and forest resources on the higher hill slopes. Although the clan rights of ownership of land, trees and forests may not be conceded formally by the state, especially after the stringent forest laws were enacted in 1980 and thereafter, this is the most forward-looking concession granted by the State anywhere in India in preserving the effective control of backward tribes on their common property resources. the report has been submitted to the Government of India, so that under the plan of rehabilitation by utilizing the common property resources and by exercising effective control over CPR, the tribal people of India in other regions of shifting cultivation may be similarly rehabilitated on their own hill habitat."

LK. Mahapatra
16, Satya Nagar
Bhubaneswar 751 007
Orissa, INDIA

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

Announcements

Call for Papers

IASCP - 1992

The International Association for the Study of Common Property has issued a Call for Papers for the Third Annual Common Property Conference, to be held September 18-20, 1992, in Washington D.C., USA.

The conference theme is "Inequality and the Commons." "We invite the submission of proposals for scholarly talks, posters and panel discussions for the conference. We particularly encourage theoretical and empirical explorations of the issues of equity and inequality in the use and management of common-pool resources or in common property property-rights regimes. The deadline for proposals is March 31, 1992. Early review and notification may be possible for proposals received before the deadline."

"Please note that applicants are responsible for providing their own travel funds. As before, the IASCP will try to help scholars from foreign countries to attend, but we cannot guarantee anything."

"Please use the form enclosed with this issue of the *Digest* or provide the following information.

- Name:
- Preferred form of address:
- Institutional Affiliation
- Complete mailing address:
- Telephone numbers:
- Fax numbers:
- E-mail address:
- indicate whether you wish to (1) organize a session; (2) present a poster; (3) present a paper; (4) organize a panel session.

"For Papers and Posters, submit an abstract including the following information. Please type on a separate sheet and send five copies:

1. Name(s) and Institutional Affiliation(s) of Author(s).
2. Paper Title (no more than twelve words);
3. (If part of an Organized Session, Name of Organizer).
4. Four Keywords.
5. An Abstract, not exceeding 250 words in length, in English. Please be clear about the questions addressed and the approach and major arguments in the paper or poster.

"For Organized Session proposals (paper or poster), submit the following information, typed on a separate sheet, in five copies:

1. Name(s) and Institutional Affiliation(s) of Organizer(s).
2. Title of the Session.
3. Whether Poster or Paper Session.
4. Description of the Theme, Focus and Expected Contributions of the Session in 200 words or less.

5. List of participants. Please limit the number to 4 plus 1 discussant. Identify each participant by name and institutional affiliation and, if possible, title of paper.
6. Preferred order of presentation (for paper sessions).
7. Special needs.

"Please Note: An Abstract form and Application must be completed by or for each participant and submitted together with this proposal for an organized session by the organizer(s). For Panel Discussions, please follow a similar format.

Send to:

Dr. Bonnie McCay
Program Chair, IASCP 1992
Department of Human Ecology
Cook College, Rutgers University
P.O. Box 231
New Brunswick, New Jersey, 08903, USA
FAX: (908) 932-8887
E-Mail: mccay@zodiac.rutgers.edu

Positions

RFF Internships

"Resources for the Future has several summer internships available beginning June 1, 1992 and ending August 31, 1992."

"Each intern selected can expect to work with senior staff on one or more ongoing research projects or assist in the development of entirely new areas of research. The level of responsibility assigned to each intern is dependent upon the intern's capabilities and willingness to accept responsibility."

"The internship program at RFF seeks highly motivated candidates in their first or second year of graduate training, possessing outstanding skills in microeconomics, quantitative methods, or occasionally in other social or natural sciences. Interest in complex public policy problems, amenable to interdisciplinary analysis, often drawing heavily on economics, is desirable. The ability to work without supervision in a careful and conscientious manner is essential."

"Interested intern candidates should respond as quickly as possible and certainly no later than March 15, 1992."

"Students wishing to apply for 1992 internships should send a letter of application describing their interest in the appropriate RFF division (Center for Risk Management, Quality of the Environment, or

Energy and Natural Resources) and enclose a vita and a recent transcript. A single letter of recommendation from a faculty member should be sent directly by the member to RFF. Both the application and recommendation letters should be addressed as follows:

Ms. Suzanne Lewis
Quality of the Environment
Telephone: (202) 328-5088
Ms. Marilyn Voigt
Center for Risk Management
Telephone; (202) 328-5077
Mr. John Richotte
Energy and Natural Resources
Telephone: (202) 328-5045
Resources for the Future
1616 P Street NW
Washington, D.C. 20036 USA

Graduate Fellowship

The Center for International Food and Agricultural Policy of the University of Minnesota announces that a fellowship in international food and agricultural policy will be awarded in 1992 to an outstanding student entering the PhD program in Agricultural and Applied Economics. The four year fellowship includes \$2000 per year in addition to a departmental research assistantship or fellowship, a full tuition waiver and a \$2000 dissertation research travel grant. Further information can be obtained from:

Director of Graduate Studies
Dept. of Agricultural & Applied Economics
231 COB
1994 Buford Avenue
St. Paul, Minnesota 55108 USA
Fax: (612)625-6245

World Bank Summer Program

The World Bank also has a summer employment program for 1992. "To be eligible for the program, candidates must have at least a bachelor's degree and must be full-time, degree-seeking students in both spring and fall semesters of 1992, pursuing at least a master's degree (applicants will be asked to submit verification to this effect). The majority of our vacancies, although they vary from year to year, require experience in various business concentrations such as economics, finance, accounting and statistics, combined with computer skills, several months of relevant work experience and familiarity with one or more languages other than English. We also have some vacancies for students with background in other disciplines such as law, agriculture, environment, information systems and the social sciences.

"(T)he program is open to students on a world-wide basis, attracting a large number of highly qualified candidates. We expect to receive approximately 2,000

applications, yet only about 150 positions will be available. We ask that students do not call our staff for information on their application status, as we cannot possibly give personal attention to each caller. Each applicant will receive a letter indicating whether or not we have an interest in their candidacy, and/or asking him/her to provide additional information. The candidates will be selected by the managers supervising the vacancies, not by the Program's staff. Only those selected for placement will be contacted by telephone. If students have not heard from us by June, it will be reasonable to believe that all vacancies were filled and that we were not able to find a position for or them.

"The Bank pays a monthly salary to all Summer Assistants, and will provide airfares to and from Washington, but does not provide accommodation expenses. The Bank does not offer unpaid or volunteer positions at any time. All summer positions are located in Washington, D.C. Assignments must be a minimum of four weeks in duration and should end by September 30th."

February 28 is the closing date for all materials. Application must be made on forms available from the address below:

The World Bank
Summer Employment Program
1818 H Street NW
Washington, D.C. 20433 USA
Telephone: (202) 477-1234
Cable: INTBAFRAD or INDEVAS

Political Economy Research Center

The Political Economy Research Center (PERC) in Bozeman, Montana, offers fellowships which are of variable length and not limited to the summer.

"Research Fellows are typically graduate students in the areas of economics, political science, environmental studies, law, etc. who spend time in Bozeman working with one or more of the PERC personnel. We will pay a stipend of \$1,100 per month, which should be sufficient for educational expenses and housing. In addition, we will pay travel expenses to Bozeman. They must show potential for research and writing in the areas of resources or the environment. We hope to get some applications from students who are doing such work as a research paper, theses, or Ph.D. dissertation."

For more information, contact:
Political Economy Research Center
502 South 19th Avenue, Suite 211
Bozeman, Montana 59715 USA
Telephone: (406) 587-9591
Fax: (406) 586-7555

Short Course

Ressources Naturelles en Afrique

The Land Tenure Center of the University of Wisconsin and the Institut des Sciences de l'Environnement of the Université Cheikh Anta Diop de Dakar Sénégal have organized an intensive short course on land tenure and natural resource management to be held in Sénégal in July. Extracts from the announcement follow:

"Cours Intensif Sur: 'Le Foncier et la Gestion des Ressources Naturelles en Afrique Sub-Saharienne.'

"Le foncier, la nature et la répartition des droits à la terre, aux forêts, aux pâturages et aux autres ressources naturelles, est un facteur important dans la gestion des ressources naturelles. Les droits d'usage et la sécurité foncière influencent fortement l'investissement dans l'agriculture et l'adoption des pratiques soutenables de gestion des ressources. Le système foncier définit les rôles des diverses institutions sociales et politiques dans la manière de réglementer l'utilisation des ressources naturelles, celles se situant au niveau des exploitations agricoles aussi bien celles utilisées de manière collective comme les forêts et les pâturages.

Les systèmes fonciers africains sont divers et les droits à certaines ressources sont souvent partagés entre l'Etat, les communautés locales et les usagers individuels. Les modes de tenure sont en train de changer du fait des changements socio-économiques et des réformes foncières engagées par l'Etat. Des politiques foncières appropriées seront parmi les aspects clés des stratégies nationales pour améliorer la gestion des ressources naturelles.

Objectifs et Contenu du Cours:

Le cours apportera aux participants une connaissance et une compréhension assez larges des modes et politiques fonciers en vigueur, surtout en Afrique Sahélienne, et leurs impacts sur l'utilisation et la gestion des ressources.

Conditions d'Admission

Ce cours s'adresse aux africains francophones responsables de la mise en oeuvre des politiques de gestion des ressources naturelles et de l'élaboration de projets. Ce Cours s'adresse également aux chercheurs en sciences sociales et économiques. Les participants devront avoir au minimum l'équivalent de la maîtrise (4 ans d'études supérieures après le baccalauréat).

Structure du Cours

Ce cours sera présenté sous forme de conférences, d'ateliers, et d'un travail individuel de documentation. Des visites sur le terrain illustreront les matières couvertes dans le cours.

Les participants devront présenter un projet d'étude ou de recherche sur la gestion des ressources naturelles et sur le foncier s'inspirant de l'expérience vécue dans leurs propres pays.

Encadrement

Le cours sera sous la direction des chercheurs/professeurs du Land Tenure Center et de l'Institut des Sciences de l'Environnement. Le cours bénéficiera de l'assistance de spécialistes venant de l'Afrique francophone, de l'Amérique de nord et de l'Europe.

Dates

13 au 31 juillet, 1992 (3 semaines)

Lieu de Formation

Les participants seront hébergés et nourris au Centre de Formation Thierno Saïdou Nourour Tall. Ce centre de formation de l'ENDA Tiers- Monde se trouve à Mbour, à 120 kilomètres de Dakar environ.

Coûts Approximatifs

Encadrement	\$2,300
Frais de Séjour	\$1,580
Assurance	\$120
Total	\$4,000

N.B.: Les frais d'inscription incluent l'encadrement, les matériaux didactiques, les voyages d'études, le logement et les repas, le transport local, et un modeste per diem journalier (\$21 par semaine). L'inscription ne couvre pas le voyage aller-retour du lieu de résidence à Dakar.

Dates Importantes

- 1 mars 1992 Délai d'Inscription
- 1 avril 1992 Notification
- 1 mai 1992 Lettre d'accord de financement et paiement de \$300 non-remboursable

Pour les renseignements plus amples et/ou une demande d'inscription, adressez-vous à:

Dr. Mark S. Freudenberger
Land Tenure Center
University of Wisconsin - Madison
1300 University Avenue
Madison Wisconsin 53706 USA
Téléphone: (608) 262-3657
Fax: (608)262-2141
Télex: 265 452, Attn: Land Tenure

Winnipeg Conference Program

The schedule of sessions at the second annual meeting of the International Association for the Study of Common Property, held in Winnipeg, Manitoba, Canada, September 26-29, 1991, is listed below. This schedule is taken from the conference program which also includes 1/2-page abstracts of each paper. Extra copies of this 78 page program as well as the addresses of the presenters are still available from the Natural Resources Institute at the University of Manitoba which organized the conference. There is a fee of \$10.00 to cover postage and handling. Individual papers are not available from the NRI but may be available from the authors.

Shared Natural Resources in the Future of Manitoba - Fikret Berkes

The Challenge of the Conference - Elinor Ostrom
Common Property Resources and Sustainable Development - Arthur Hanson

Panel: *The Manitoba Experience with Common Property Resources* - Robert D. Sopuck, Richard Goulden, Tom L. Pringle, Larry J. Whitney & Goody Sigurdson

Traditional Ecological Knowledge - Patrice LeBlanc

The Transmission of Traditional Ecological Knowledge - Kenneth Ruddle

Building Blocks of People's Knowledge About Resource Management in Drought Prone Areas and Himalayan Hills - Anil K. Gupta

Food From the Commons: Indigenous Ecological Agriculture, Extractivism and Sustainability - Andrew J. Chapeskie

Traditional Knowledge and Environmental Assessment - Robert Johannes

Ecological Economics - Federico Aguilera-Klink

The Tragedy of the Commons of the Tragedy of Misinterpretation in Economics? - Federico Aguilera-Klink

Ecological Support and Socioeconomic Regulation in Fisheries - a Case Study of Sweden's Baltic Fisheries - Monica Hammer

Sustainable Aquaculture Development - the Role of Finance Institutions in Common Property Resource Management - Audun Sandberg

Valuation of Common Property Resources for National Income Accounts - Lee Endress & James Roumasset

Laboratory Approaches to Common Property

Management - Stuart Mestelman

Rent Dissipation and Probabilistic Destruction of Common Pool Resources: Experimental Evidence - James Walker & Roy Gardner

Imperfect Information, Multilateral Bargaining and Unitization: An Experimental Analysis - Steven Wiggins, Steven Hackett & Raymond Battalio
The Contribution Game and Voluntary Resolution of the Commons Dilemma - Mark Bagnoli and Michael McKee

Covenants With and Without a Sword: Self-Enforcement is Possible - Elinor Ostrom, James Walker & Roy Gardner

National and International Resource Management

Regimes: The Case of Fisheries - Howard Powles

Management of the Sardinella Fisheries off the Coast of West Africa: The Case of a Common Property Resource - Theophilus R. Brainerd

The Fish Pot Ban: Artisanal Overfishing and State Mismanagement in Bermuda - Gene Barrett

Corralling the Ocean Commons: Fisher Perceptions of Government Regulation Policies - Victor Thiessen & Anthony Davis

Traditional Ecological Knowledge and Co-Management - Rick Riewe

Co-Management: The Beverly Kaminuriak Caribou Management Board - Peter J. Usher

The Inuvialuit of the Western Arctic and Resource Co-Management Under a Land Claims Settlement - Lloyd N. Binder & Bruce Hanbidge

Native Land Use and Common Property: Whose Commons? A Case Study of South Indian Lake Land Use and Occupancy - Carl J. Hrenchuk

Indigenous Knowledge and Planning: The Pinehouse Experience - Terry Tobias

International Resource Management Regimes: The Case of Whaling - Milton Freeman

The Evolving North Atlantic Marine Mammals Regime - Alf Hakon Hoel

Competing Value Systems: Evolution of Norms and State Control - Nancy Doubleday

The Effectiveness of International Whaling Commissions - Steinar Andresen

Mechanism Design: Solutions to Common

Property Management Problems - Stuart Mestelman

How to Solve the Tragedy of the Commons Problem without Privatization: A Game Theoretic Approach - Irwin Lipnowski

Behavioural and Organizational Modifications of Enforcement/Avoidance Theories: The Fisheries Case - Thomas McGuire & Mark Langworthy

Cooperative Solutions to Irrigation Externalities Problems: A Mechanism Design Approach - Edna Loehman & Ariel Dinar

Politics of Common Property: Internal and External Factors - Robert Healy

Charcoal Production and the Overexploitation of Common Woodlands in the Middle Senegal River Valley - Julie E. Fischer

The Politics and Ideology of Common Property Management in an Andean Peasant Community - Paul Gelles

From "Free for All" to "Free for None" Common Property Land - S.A. Shah

Communal Tree Tenure System and Natural Resource Management in Zimbabwe - Tabeth Matiza

Property in Common Property - Robert Hunt

Multiple Interests in Land and Forest Resources Among Swidden Agriculturalists of Borneo: Does the Concept of Common Property Adequately Map Indigenous Systems of Ownership? - George N. Appell

Defining and Dividing Property Rights of the Japanese Commons - Margaret A. McKean

Property in Common Property: Irrigation in Mexico - Robert C. Hunt

Traditional Ecological Knowledge and Resource Use - Julian Inglis

Inuit Traditional Knowledge as a Basis for Arctic Wildlife Management - Douglas Nakashima

Community-Based Economic Development and Resource Management in Hudson Bay Area - Brian Fleming & Miriam McDonald Fleming

Co-Management of Renewable Resources in Denedeh - Potentials and Problems - Martha Johnson & Robert A. Ruttan

Learning from the Past: Sustainable Whaling in Contemporary Context - Elizabeth Vestergaard

Alaska and Inuvialuit Beluga Whale Committee (AIBWC): A Case Study - Lois Harwood and Marie Adams

Eastern Arctic Beluga and Narwhal Management: History, Status and Future Challenges - Dan Pike, Pierre Richard & Dan Goodman

Greenlandic Inuit Aboriginal Whaling: Contradictions Between Indigenous Management and External Controls - Richard A. Caulfield

Foxes and Others in the Hen House: User

Participation in Common Property - Bonnie McCay
Problems of User-Groups participating in Norwegian Fisheries Management - Alf H. Hoel, Svein Jentoft and Knut H. Mikalsen

Participation of "The Industry" in Fishery Management Decisions: A Case Study of the Mid-Atlantic Fisheries Management Council - Bonnie McCay and Carolyn F. Creed

Participation of Fishermen and Social Scientists in Fishery Management Decisions: A Case Study of the Pacific Social Fisheries Management Council - Susan S. Hanna

The Collapse of a Corporate Management System: Experiences from the Faroese Fishing Industry - Jøgvæn Moerkoere

Sustainable Whaling in Contemporary Context:

Cultural and Conservation Issues - Milton Freeman
Whalekind, Mankind, and the Morality of Resource Use: Sustainability and Whale Saving - Neils Einarsson

Management by Totemization: Whale Symbolism and the Anti-Whaling Campaign - Arne Kalland

Conflicting Cultural Values Concerning Marine Mammal Resources: A Whale Tourism Project in Northern Norway - Mats Ris

Evolution of Common Property Systems - Margaret McKean

The Evolution of Cooperation from a Non-Cooperative Game with Public Goods - Charles Laine & James Roumasset

Modelling Institutional Change - Frederick B. Rodgers

The Evolution of the Gum Arabic (Acacia Senegal) Collection System in the Jolof, Northern Senegal, 1890-1990 - Mark Schoonmaker Freudenberger

Common Property Resources in West African Agriculture: Sustainability and Improved Technologies - Anne-Marie N. Izac & M. J. Swift

Roundtables

Debating the Commons in Africa - George Sefa Dei, Chair; Joseph Matowanyika, James Murombedzi, Joachim Voss, Patrick Wako Wargute & Taghi Farvar

Indigenous Knowledge and Community-Based Resource Management - Heather Myers, Chair; Fred Armstrong Jr., Phil Guy Kwethluk, Joellie Sangoya, Gladys Netro, Albert Peter, Peter Green, Tom Unka, Lucassie Arragutainaq & Bob Ruttan

Human Institutions and Ecological Regimes - James Wilson, Chair; Susan Hanna, Bonnie McCay, James Wilson, Robert Walker & George Francis

Common Property Solutions to Problems of Population Pressure and Deforestation - Maria Concepcion J. Cruz

Population Pressure and Deforestation Trends and their Implications for Managing Common Property Forest Resources in the Philippines - Maria Concepcion J. Cruz

The Changing Character of Land in Rural Thailand: Possible Common Property Responses to Emerging Land Problems - Charles B. Mehl
Where Have All the Forests Gone? State vs. Local Control of the Teak Forests in Northern Thailand - Banasopit Meckvichai

Increasing Timber Production of Teak Plantation in Java - Hasanu Simon

Cooperative Management of Canadian Arctic Fisheries - R. McV. Clarke

- Overview of Cooperative Management for Canada's Arctic Fisheries* - G. B. Ayles & R. McV. Clarke
Cooperative Management of the Fisheries on Great Bear Lake and Great Slave Lake, Northwest Territories, Canada - B. Hubert, D. Moshenko & R. Moshenko
Cooperative Management in Northern Quebec - Mimi Breton
The Fisheries Joint Management Committee - R. Bell and D. V. Gillman

Biosphere Reserves - George Francis

- Biosphere Reserves* - George Francis
The Riding Mountain Biosphere Reserve - John Whitaker
Waterton Lakes National Park, the Waterton Biosphere and the Crown of the Continent - Resolving Divergent Interests in a Regional Context - Bill Dolan
The Economics of Tropical Forest Protection: Case Study of a National Park in Madagascar - Randall A. Kramer, Priya Shyamsundar, Evan Mercer & Narendra Sharma

Sustaining the Global Commons: Environmental Policies Through International Cooperation - Eric Chetwynd

- Sustaining the Global Commons: Environmental Policies Through International Cooperation* - Daniel W. Bromley

Applying Common Property Theory to Contemporary Problems - Sally Lerner

- Environmental Stewardship in the Fraser River Basin* - Julia E. Gardner
Wetland Conservation and NGO's in Ontario - Scott N. Duff & Reid D. Kreutzwiser
An Application of Property Rights Theory to Tourism Resources - Robert G. Healy
Ethnicity and the Commons: Rangeland Management in an Inter-Ethnic Context - Susan Charnley

African Commons - Joseph Z.Z. Matowanyika

- The Commons in Africa: What Might be an Agenda for 2000* - Joseph Z.Z. Matowanyika
The Scramble for Maasailand: Age, Gender and Class in the Case of No Precedents - Naomi Ole Kipuri
Agriculture/Wildlife Conflict Resolution in Kenya - Patrick W. Wargute
Harvesting the Forest in Rural Ghana - George Sefa Dei

Devolution in the Management of Wildlife: The Case of Zimbabwe - James Murombedzi

- Institutional Development in Decentralized Common Property Resource Management Regimes: Zimbabwe's Zambezi Valley* - J. Murombedzi

Bottom Up Development in Decentralized Common Property Regimes: The Experiences of Two District Councils in Southeastern Zimbabwe - John H. Peterson, Jr.

Recreating Common Property Management-Government, Projects and Land-Use Policy in the Mid-Zambezi Valley, Zimbabwe - William Derman
The Legacy of Dualism and Decision-Making: The Prospects for Local Institutional Development in "Campfire" - Steve Thomas

From the Roots Up: Community Forestry in the First and Third World - Evelyn Pinkerton

- Analyzing Co-Management Efforts as Social Movements: Writing Community Forestry/Fishery/Wildlife Legislation in British Columbia* - Evelyn Pinkerton
The Paradox of the Commons - Alan Chambers
Community Evaluation and Monitoring of Community Forestry Projects - D'Arcy Davis-Case
Towards Community-Based Forestry and the Recognition of the Rights of Indigenous Peoples in the Outer Island in Indonesia, a Legal and Policy Analysis - Sandra Moniaga

Comparative Studies of Common Property Systems - David Feeny

- All CPR's Are Not Created Equal: Two Important Physical Characteristics and their Relation to Prospects for Resolution of Commons Dilemmas* - Edella Schlager, William Blomquist & S. Yan Tang
Institutions and Their Performance: A Comparison of 47 Irrigation Systems - S. Yan Tang
Nature vs. Nurture: Systems of Property Rights in First Peoples - C. Leigh Anderson
People's Participation in Managing Common Pool Natural Resources: Lessons of India's Experience - Katar Singh
The State, the Community and Common Property: Perspectives from Asia and Africa - Owen Lynch
People's Rights and State's Rights: An Overview of Tenurial Issues Concerning "Public" Forest Land in Thailand and the Philippines - Owen J. Lynch
Common Property Systems, Natural Resources and the State: The Two Faces of New Guinea - Charles Barber
Managing Tropical Forest Resources in Central Africa: An Examination of Nation State Authority and Local Communities' Rights - Kirk Talbot
Reefs in a Riptide: Community Management of Coastal Resources in the Maluku Islands, Indonesia (1969-1990) - Charles Zerner

Common Property Institutions for Water Resource Management - Susan Buck

The Transfer of Irrigation Management to Non-Governmental Institutions: A Framework for Assessing Viability and Performance - Douglas Vermillion

Ecological-Economic Considerations in Resource Use Impact Assessment and Management at the Local Level: A Case Study of Nakkhu Watershed, Nepal - Dirgha Nidhi Tiwari

Myopic View, Vested Interest, Underdevelopment: Case of Public Management of Groundwater Resources in Bihar - Indradeo Sharma

Perspectives in Third World Fisheries - Henry A. Regier

Lake Reserves and Sustainable Management of Amazon Fisheries - Wolf D. Hartmann & David McGrath

Public Policy, Territoriality and Tragedy of the Commons in Marine Fisheries - K. K. Khakhar

Sea Urchin Management in Bolinao, Pangasinan, Philippines: Attempts on Sustainable Use of a Communal Resource - Katherine Kessler and Annette Juinio

The Privatization of the Sea and Artisan Fishing in Chile - Luz Cereceda and Gillermo Wormald

Common Property Rights and State Policies - Joachim Voss

The Nature of Tenure: The Importance of Exclusion - Ben S. Malayang III

Common Property Regimes in a Group of Highland Rice Agriculturalists - June Prill-Brett

Declining Communal Regulation in Exploitation of Riverine Forest Area in Kenya - Mukhisa Kituyi

Use of Communal Resources in Peasant Communities in the Highlands of Cusco, Peru - Marco Villasante

Water Common Property Systems: Intervention and Institutional Change - Robert Netting

Transnational Implications of Legal and Institutional Change in Irrigation Systems in Soviet Central Asia - Gregory W. Gleason and Susan J. Buck

Description of Two Irrigation Systems in Nepal with Geographic Information Systems Technology - Paul Benjamin, Robert Yoder & Daryl LaFlamme

Effects of Different Types and Levels of Interventions in Farmer-Managed Irrigation Systems in Nepal - Ganesh Shivakoti

Nine Centuries of Waterboards in the Netherlands: From Long-Enjoyed Autonomy to Sudden Intertwinement - Jos. C.N. Raadschelders

Culturally Appropriate Economic Development in James Bay - Richard Preston

Whatever Happened to the New Post Band?

Externalities of the Tragedy of the Commons - Richard Preston, Peter George & Fikret Berkes

Culturally Compatible Strategies for Community Economic Development Among the Cree Indians

of Northern Ontario - Peter George, Richard Preston & Fikret Berkes

Government Recognition of Common Property and the Pressures for Privatization - A History of Interests, Moral Ideology and Practice - Harvey A. Feit

From Co-Management of Fish and Wildlife to Economic Development and Self-Government - Fikret Berkes, Peter George, Richard Preston & John Turner

Community-Based Resource Management in the Caribbean - Yves Renard, St. Lucia

Institutional Challenges for Community-Based Management in the Caribbean - Yves Renard

Community Management of Coastal and Marine Resources in the Caribbean - Bisessar Chakalall and Alan Smith

From Private Property to Common Property: Costa Rican Peasants Mobilize to Protect their Forested Mountains - Felipe Montoya

Action Towards Shared Decision-Making in Fisheries - Diane Malley

Evaluation of the Lake Winnipeg Quota Entitlement System - Barbara Scaife

Dauphin Lake Basin - People Working Together - J. E. Towle

Balance: A Critical Element in the Design of a Decentralized Decision Process - Alan R. Murray & Bruce L. Smith

Integration of Native Peoples into Fishery Management Processes in the Great Lakes - Henry A. Regier & Jack Christie

Dynamic Processes in the Transformation of Land Use: Examples from the Third World - Rick Baydack

Current Upland Farm Forestry Condition and Its Past and Present Management Policy in Korea - Kong Kyun Ro

A Success Story of Common Forest Development and Management from Nepal's Tarai - M. Karki and P. Dixit

Processes of Agrarian Transformation: Renegotiating Land Use and Tenure in the Indonesian Uplands - Tania Li

Forest Ecology and Cattle Grazers: Where Do They Stand? - Haribhai Patel

Common Property Issues in the Larger Context - Gary Johnson

Scarcity, Abundance and Non-Reciprocal Gift: Ontologies of the Commons - Peter Timmerman

Common Property Resources, Customary Law and Rural Self-Governing Institutions in the Colonial North India - Minoti Chakravarty Kaul

Back to Ghandi: An Answer to Crisis of Forest Management in Developing Countries - Shashi Kant

Democracy, Development and Community - Mary E. Clark

Quota Management in Fisheries - Paul Sutherland
Fishing Vessel Quotas: A Solution to the Commons Problem? - Diane P. Dupont

Industry and Government Negotiation: Communication and Change in New Zealand's Individual Transferable Quota System - Christopher M. Dewees

Who Knew Whose Ox Would Get Gored? Social Effects of ITQ's in the Atlantic Surf Clam and Ocean Quahog Fishery - Carolyn Creed and Bonnie J. McCay

North Africa's Range and Water Common Property Systems - Dana Silk

Observations sur quelques modes de gestion communautaires des équipements collectifs - Mohammed Tozy

Socio-Economic Mutations and the Management of Pastoral Resources in Arid Tunisia: The Case of the South-East - Ali Abaab

The National Land Property in Algeria: Legislation and Using - Slimane Bedrani

Project Evaluation without Using the Benefit Stream: A Short Cut for Water Resource Projects - Raouf F. Khouzam

For copies of the program, send \$10.00 and a legible address to the:

Natural Resources Institute
ATTN: IASCP Conference Program
University of Manitoba
Winnipeg, Manitoba, CANADA R3T 2N2
Telephone: (204) 474-8373
Fax: (204) 261-0038

Poster Session

A poster session was a useful innovation at the Winnipeg conference. Poster sessions are common in many of the natural sciences, but less well known in the social sciences. Such sessions have several advantages over traditional oral presentations of 3-4 papers in a 1 1/2 hour session. They allow participants to choose just those presentations of greatest interest without having to run from one concurrent session to another. This is a particularly common problem in an association such as the IASCP where the subject matter is extremely diverse and many disciplines are represented. Poster sessions are particularly well adapted to the presentation of graphic or tabular information in that the audience can spend as much time as necessary to understand the information and are not tied to the cadence of a hurried slide presentation. Poster sessions also allow much more interaction between the presenter and the audience. There is much more opportunity to ask questions and to follow up on points of particular interest. They also allow many more presentations to be made within the constraints of a three-day conference without recourse to unmanageably large numbers of concurrent sessions at any one time. While some participants approached this initial experiment with some

misgivings about the format, the majority of both presenters and viewers seemed to agree that this format is a useful one and should be expanded in the future. Over 200 people attended a 1 1/2 hour session at noon on September 27 at which the following presentations were made:

Sami Fishermen and the State - Einar Eythorsson, Finnmark College, Norway

Generic Resource User-Manager Program - John D. Wiener, University of Wyoming, USA

Deserted Corridors: The Case for Special Interest Right-of-Way Management - David T. Brown, Brock University, Canada

Use of CPR's by Rural Population in Different Ecological Habitats in Karnatka India: A Case Study - Silanjan Bhattacharyya & Madhav Gadgil, Indian Institute of Science, India

Zoning and Common Property - Douglas Baker, University of Waterloo, Canada

ICOD/UWI/Jamaica/Belize Reef Fisheries Management Planning Program - Karl A. Aiken, University of West Indies, Jamaica

Environmental Degradation in Zimbabwe - Stephan Chipika, Harare, Zimbabwe

Current Approaches to Co-Management in Manitoba - Alison Haugh and Fikret Berkes, University of Manitoba, Canada

Benthic Fisheries in Chile: Feasibility of Co-Management on a Free-Access Regime - Christian Potocnjak, Institute de Fomento Pasquero, Chile

The Theory of Communicative Action and the Problem of the Commons - Doug C. Wilson, East Lansing, MI., USA

The Proportional Solution for Economies with Both Private and Public Ownership - J. Roemer and J. Silvestre, University of California, USA

Research and Small-Scale Fisheries - J.R. Durand, J. Lemoalle, J. Weber, Orstom-IFREMER, Montpellier, France

Property Rights in Wildlife in Southern Africa - Mike t'Sas-Rolfes and Frank Vorhies, Eco-Plus, South Africa

Caught in the Nets of Bureaucracy: Dutch Beam Trawl Fishers and Fisheries Policy - Rob van Ginkel, University of Amsterdam, The Netherlands

A Study of Ontario Volunteer Stewardship Groups - Sally Lerner, Heritage Centre, University of Waterloo, Canada

Scarce Valuable Common Property Resources: Who Benefits? - Fred L Olson, Washington, D.C., USA

Role of Local Organizations and Private Individuals in CPR Management - Madhav P. Ghimire, University of California, USA

For further information on these presentations, members may correspond with the presenters who are listed in the directory which accompanies the conference program noted above.

CPR Publications

Books

Putting People First

The first edition of *Putting People First: Sociological Variables in Rural Development* was published in 1985. A second, substantially revised and expanded, edition was released in 1991. "(M)ost of the chapters have been re-written and expanded, one chapter has been dropped and two new chapters have been included." This new edition is available in paperback which makes it much more accessible for use as a text. The editor describes the volume in the following way: "'Putting people first' in development programs is no less an imperative now than before: in fact, it is even more readily recognized as the crucial requirement for inducing accelerated development. The volume takes a firm stand against the technocratic and econocratic biases in development work. It criticizes explicitly or implicitly the neglect of social or cultural dimensions, the rigidity of blueprint thinking in project design, the focus on commodities rather than on the social actor, the disregard for farmers' knowledge, and the indifference towards people's grassroots institutions and organizations. Any intervention that does not recognize the centrality of the social actors in development programs is bound to clash, rather than to fit, with the natural dynamic of socioeconomic processes.. And understanding the basic concept that unifies the volume-the concept of social organization-provides the main key for translating the prerequisites of people's centrality and participation into specific project strategies and approaches."

"This edition highlights more explicitly the issues related (a) to natural resources management -particularly water, forests, and fisheries; (b) to the environmental implications of development programs; and (c) to the development of human capital through investments in forming grassroots organizations and promoting participation."

The actual subject matter of this volume is best indicated by the table of contents:

1. *Knowledge from Social Science for Development Policies and Projects* - Michael M. Cernea

Part I. Irrigation Projects

2. *Planning Technical and Social Change in Irrigated Areas* - E. Walter Coward Jr.
3. *Developing Irrigators' Organizations: A Learning Process Approach* - Benjamin U. Bagadion & Frances F. Korten
4. *Middle-Level Farmer Organizations as Links Between Farms and Central Irrigation Systems* - David M. Freeman & Max K. Loudermilk

Part 11. Settlement and Involuntary Resettlement Projects

5. *A Sociological Framework for the Analysis of New Land Settlements* - Thayer Scudder
6. *Involuntary Resettlement: Social Research, Policy and Planning* - Michael M. Cernea

Part III. Livestock Projects

7. *Pastoral Production Systems and Livestock Development Projects: An East African Perspective* - Neville Dyson-Hudson

Part IV. Fishery Projects

8. *Social and Cultural Characteristics in Small-Scale Fishery Development* - Richard B. Pollnac

Part V. Forestry Projects

9. *Sociological and Environmental Dimensions of Social Forestry Projects* - Scott Guggenheim & John Spears
10. *The Social Actors of Participatory Afforestation Strategies* - Michael M. Cernea

Part VI. Rural Road Projects

11. *Social Analysis in Rural Road Projects* - Cynthia C. Cook

Part VII. Evaluation

12. *When People don't Come First: Some Sociological Lessons from Completed Projects* - Conrad Phillip Kottak

Part VIII. Participation

13. *Fitting Projects to People* - Norman Uphoff

Part IX. Collection of Social Data

14. *Shortcut and Participatory Methods for Gaining Social Information for Projects* - Robert Chambers

The volume includes a comprehensive index and useful *Editor's Notes* introducing each section.

Cernea, Michael M. (ed.) *Putting People First: Sociological Variables in Rural Development*. New York, Oxford University Press, 1991. pp. xix + 575 US\$19.95 (paperback), ISBN 0-19-620465-4.

Dire Straits

This slim monograph by Anthony Davis, an Associate Professor in the Department of Sociology and Anthropology at St. Francis Xavier University, Antigonish, Nova Scotia, sketches the regional effects of change in a fishery on the Atlantic coast of Canada. "This book tells the story of a fishery located in Digby Neck and the Islands, Nova Scotia, that has been undergoing tremendous changes over the last three decades. It charts major characteristics of these changes, describing the parts played by dominant figures in the fishery and related industries, and observes the present condition of the industry as well

as predicting its probably contribution to the area's future economy. In many ways, the Digby Neck and the Islands fishing industry conforms with popular notions of the course of technological and economic development necessary for the Atlantic Canadian fishery to become viable and self-supporting. ... Yet as this study shows, increasing technological sophistication and capitalization have contributed to the appearance of profound problems in, and dilemmas for, the industry."

"While intending a more anthropological focus in methods, analyses and 'feel', early observations brought a change in the perspective and writing of analysis altogether. These observations caused me to shift away from a case study approach and to focus on regional dimensions. It quickly became apparent that the fishery was in a serious crisis and that this crisis was the result of a closely interrelated set of factors. These factors were: (1) changes in fish catching and fish processing technologies; (2) the socio-economic and ecological impact of these changes; (3) a recent social and economic re-organization of the area's fishing industry and (4) the impact of government policy on the above. The study which follows documents these relationships and interprets their impact upon the social and economic topography of Digby Neck and the Islands."

Davis, Anthony T. *Dire Straits: The Dilemmas of a Fishery*. St. John's (Newfoundland), ISER, 1991. 111 pp. Canadian \$25.95, ISBN 0-919666-64-7.

Dire Straits is published by the Institute of Social and Economic Research (ISER) of the Memorial University of Newfoundland which also offers a number of other titles, mostly related to fisheries or the Canadian Arctic. These publications include 43 books as well as 18 papers. *Dire Straits* and information on other titles is available from ISER at the following address:

ISER Books
Memorial University of Newfoundland
St. John's, Newfoundland, CANADA, A1C 5S7
Telephone: (709) 737-8156
Fax: (709) 737-2041

CPR General Theory & Land Use

Glenn G. Stevenson has written a book on the economics of common property. "The book formalizes the differences between open access and common property now recognized by many network members. Open access refers to resource utilization without any controls on extraction rates, a situation in which resource overexploitation occurs. 'Common Property' is a term that, for historical reasons and due to property rights arguments, ought to be reserved for group use in which outside access and user extraction rates are controlled. The book defines and clarifies this theoretical distinction and presents empirical tests of the adequacy of resource allocation under common property in comparison with private property.

"The book demonstrates the nonoptimality of open access resource with graphical, game theoretic, and mathematical models, and then takes up the theory of common property as a controlled resource extraction regime. Seven necessary and sufficient conditions for common property, historical examples of common property, the basis for common property in legal concepts, and the establishment and stability of common property are all examined.

"A detailed case study of common property in alpine grazing in Switzerland and a contrast with grazing in the historical English open field system follow. The description of the Swiss grazing common draws on original research in Switzerland and discusses common property rights systems, operating structures, history, management tools, and governance and decision making. The contrasting chapter on the English open field system indicates how similar structures arose in England.

"Using Swiss data, empirical work is presented comparing the performance of common property with private property grazing. Productivity is shown to be lower under common property than under private property, although grazing pressure under common property is also lower, the results are shown to be most consistent with underinvestment in common improvements to the land rather than resource overexploitation. Commons grazing principles are applied to group use in other natural resources, from fisheries to air and water pollution. The conclusion is reached that it is still likely that certain conditions exist under which only common property can perform adequately."

This is a very useful book which will be valuable to anyone working with property rights questions or in land economics. It is a shame that the publisher chose to offer it only in a very expensive hard-cover version which will certainly limit its accessibility for many people.

Stevenson, Glenn G. *Common Property Economics: A General Theory and Land Use Applications*. New York, Cambridge University Press, 1991. 270 pp. U.S.\$54.95 ISBN 0-521-38441-9.

Governing the Commons

Elinor Ostrom has worked with questions of common pool resources and common property rights regimes for decades. Her insight from this extensive scholarship are distilled in another new book from Cambridge, *Governing the Commons: The Evolution of Institutions for Collective Action*. This volume is an addition to a Cambridge series on "The Political Economy of Institutions and Decisions" edited by James C. Alt and Douglass C. North. Their preface follows:

"In this pioneering book, Elinor Ostrom tackles one of the most enduring and contentious questions of positive political economy, whether and how the exploration of common-pool resources can be organized in a way that avoids both excessive consumption and administrative cost. These cases, where a resource is held in common by many individuals - that is well-defined individual property rights over the resource are absent - are often held by economists to be exploitable only where the problem of over-consumption is solved by privatization or enforcement imposed by outside force. Ostrom, by contrast, argues forcefully that other solutions exist, and that stable institutions of self-government can be created if certain problems of supply, credibility, and monitoring are solved. She provides a close study of a uniquely broad range of cases, including high mountain meadows in Japan and Switzerland, water projects in the Philippines and California, and fisheries in Canada and Turkey. Some of these cases involve stable institutions; in other cases the institutions were fragile and failed. Basing her conclusions on comparisons of sources of success and failure in self-government, Ostrom describes some fundamental characteristics of successful common-pool management schemes, and concludes with a challenge to other social scientists to build on her original theoretical work."

While I think Dr. Ostrom would probably disagree with her editors' assertion that a common-property regime necessarily means that the rights of an individual within the user group are "ill defined", the foregoing summary is an accurate one. Ostrom has done a great deal of work and this is an important book that should be in the personal library of anyone with a serious interest in common-pool resources or common property regimes. It includes an extensive 26-page bibliography and is carefully indexed. It is luckily available in a moderately-priced paperback edition which will make it much more accessible to students or for course use.

Ostrom, Elinor, *Governing the Commons: The Evolution of Institutions for Collective Action*. New York, Cambridge University Press, 1990. 280 pp.; paperback, ISBN 0-521-40599-8, \$14.95; hardcover, ISBN 0-521-37101-5, \$47.95.

Cambridge University Press has agents in most countries. In North America, the two volumes noted immediately above can be ordered from:

Cambridge University Press
40 West 20th Street
New York New York 10011 -4211 USA
Telephone: (212) 924-3900

Debt, Environment & Global Outlook

The United Nations published two books in late 1991 that may be of interest to many Network members though they do not deal with common property per se. The first, *Debt and the Environment:*

Converging Crises, was written by Morris Miller. Mr. Miller was formerly a World Bank official and is now an adjunct professor at the University of Ottawa.

"*Debt and the Environment's* premise is that the way we live today results in progressive environmental deterioration; and countries' continued, increasingly high indebtedness actually prevents alleviating that deterioration. The author explains how these twin crises reached their present magnitude -how third world debt and growing U.S. foreign debt (the 'second debt crisis') have combined with looming environmental emergencies to create urgent challenges to those promoting economic development."

Miller, Morris *Debt and the Environment: Converging Crises*. New York, United Nations. 1991. 320 pp., paperback, US\$19.95, ISBN 92-1-100457-8

Global Outlook 2000, advertised as a companion volume to *Debt and the Environment* is an edited volume "written by U.N. experts for all interested in today's worldwide economic, social and environmental changes. *Global Outlook 2000* reviews the last 30 years and looks forward to the year 2000, sifting through numerous international studies to construct a 'baseline scenario' for world development. This scenario forms the basis for the experts' adverse prediction.

"If current patterns of production and consumption continue, the gap between the richest and poorest countries will widen; and deterioration of the physical environment will increase, with dire consequences for all of us. Building on economic trends observed since 1960, this book interprets the world economy's impact on various regions' population, environment, urban development, health and education.

"However, the authors identify a number of trends that may significantly alter this outlook: - progress in disarmament, increased world financial stability, technology-enhanced productivity, creation of 'global community' via advances in communication and transportation, and world response to environmental crisis."

United Nations, *Global Outlook 2000*. New York, United Nations, 1990. 352 pp., US\$19.95, paperback, ISBN 92-1-109118-7.

These volumes are available from UN sales agents in many countries. When ordering from the office listed below include 5% or a minimum of \$3.50 for postage and handling:

United Nations Publications
Sales Section
Room DC2-0853
New York New York 10017 USA
Telephone: (800) 253-9646 (in US) or (212) 963-8302
Fax: (212)963-3489

Eastern Europe's Environment

"How can Eastern Europe recover from the environmental devastation produced by forty years of forced industrialization? *To Breathe Free* describes environmental problems, government responses, and the environmental movements (both official and unofficial) of East European countries. Among the contributors, Charles Ziegler discusses environmental protection issues as they affect Soviet-East European relations. Winnifred Lang explores legal aspects of pollution across national boundaries. Joan DeBardeleben assesses environmental damage in the former German Democratic Republic. Edward Mainland discusses Romania's environmental crisis. And Zoltan Kiraly describes recent Hungarian approaches to agricultural pollution."

DeBardeleben, Joan (ed.) *To Breathe Free: Eastern Europe's Environmental Crisis*. Baltimore, Johns Hopkins University press, 1991. 272 pp., \$34.50 (hardcover), \$12.95 (paperback)

Johns Hopkins University Press
701 West 40th Street
Suite 275
Baltimore Maryland 21211-2190 USA
Telephone: (800) 537-5487 (U.S. only)

Reports, Papers, Etc.

Agroforestry in Hindu Kush

"This paper, which was commissioned by FAO and prepared by ICIMOD, assesses the agroforestry situation in the Himalayan Region. It provides information on existing indigenous systems, agroforestry programmes, policies, and institutions. The various forms of indigenous agroforestry and the tradition of communal management of natural resources illustrate the potential for more widespread promotion of agroforestry in the region as an appropriate land use system."

"Forestry and Agroforestry experts in the region were contacted and asked to provide documentation on projects and procedures. The discussion of agroforestry systems is based on the documentation thus made available. The author has neither attempted nor intended to offer a critical appraisal of the projects' effectiveness, but has merely stated their objectives and activities as reported in project documents."

Denholm, Jeanette. *Agroforestry in Mountain Areas of the Hindu Kush-Himalayan Region*, ICIMOD Occasional Paper No. 17. Kathmandu, International Centre for Integrated Mountain Development, 1991. 42 pp., ISBN 92-9115-001-0.

Available from:

ICIMOD
GPO 3226
Kathmandu, NEPAL
Telephone 525313

Fax: (977-1)524509
Telex: 2439 ICIMOD NP
Cable: ICIMOD NEPAL

ICIMOD has published other occasional papers covering a wide range of topics. Some are on technical aspects of erosion, risk engineering, and landslide management, but some appear to be of interest to many Network members. The following are also available from ICIMOD at the address listed above:

- No. 2 *Integrated Rural Development Projects in Nepal: A Review* by Bharat B. Pradhan
December, 1985
- No. 3 *Sustaining Upland Resources: People's Participation in Watershed Management* by Anis Ahmad Dani & James G. Campbell
July, 1986
- No. 6 *Operational Experiences in Forest Management Development in the Hills of Nepal* by G. B. Applegate & D.A. Gilmour
- No. 7 *Forestry-Farming Linkages in the Mountains* by T.B.S. Mahat
March, 1987
- No. 9 *Mountain Environmental Management in the Arun River Basin of Nepal* by John R. Dunsmore
December, 1988
- No. 10 *Hill Agriculture and the Wider Market Economy: Transformation Processes and the Experience of the Bagmati Zone in Nepal* by Mahesh Banskota
May, 1989
- No. 11 *Highland-Lowland Interactions in the Ganges-Brahmaputra River Basin: A Review of Published Literature* by L.A. Bruijnzeel & C.N. Bremmer
July, 1989.
- No. 12 *Micro-Level Environmental Management: Observations on Public and Private Responses in Kakani Panchayat* by Saroj K. Basnyet
June, 1989.
- No. 13 *Case Study on Mountain Environmental Management: Nyemo County (Tibet)* by Zhang Rongzu
August, 1989.
- No. 14 *Natural Resource Management in the Mountain Environment: Experiences from the Doon Valley, India* by Jayanta Bandyopadhyay
August, 1989.

ODI - Social Forestry Network Papers

The Social Forestry Network, coordinated by Gill Shepherd in the Overseas Development Institute has been mentioned in previous issues of the *Digest*. In addition to a Newsletter, the network issues an excellent series of *Network Papers*. Recent titles in this series include the following:

- 7a *Forests, Trees and Household Food Security* by Julia Falconer and J.E.. Mike Arnold, Winter, 1988.
- 7b *Wood Fuel in Kano Nigeria: the Urban-Rural Conflict* by R.A. Cline-Cole, J.A. Falola, H.A.C. Main, M.J. Mortimore, J.E.. Nichol & F.D. O'Reilly, Winter, 1988.

- 7c *Forestry and the Development of a National Forestry Extension Service: A Sudan Case Study* by El Taib Ahmed Abdulla & Christine Holding.
- 8a *Putting Trees into the Farming System: Land Adjudication and Agroforestry on the Lower Slopes of Mount Kenya* by Gill Shepherd.
- 9a *Fodder Trees, Nurseries and their Central Role in the Hill-Farming Systems of Nepal* by Patrick Robinson & Ian Thompson.
- 9b *Drylands Agroforestry, Homestead Trees, and the Nurseries to Support Them: NGO Experience in Tamil Nadu, South India* by T. Fatimson.
- 9c *After Ujamaa: Farmer Needs, Nurseries and their Project Sustainability in Mwanza, Tanzania* by Christian Guggenberger, Patrick Ndulu & Gill Shepherd.
- 10a *Social Equity and Social Forestry in Java: Preliminary Findings from Four Case Studies* by William Sunderlin (ed.), Ananda Artono, Sri Palupi, Rochyana & Ellya Susanti.
- 10b *Social Forestry in Disputed Upland Areas in Java* by Dadan Suwardi Machfud.
- 10c *The Cebu Integrated Social Forestry Project* by Salve B. Borlagdan, Edna M. Alegado, Isabel M. Carillo & Joselito Francis A. Alcaria.
- 10d *Social Forestry Planning* by Jefferson Fox, Muljadi Bratamihardja & Ir Poedjorhardjo.
- 10e *From the Field: Shorter Contributions from Networkers* by Tonny Djogo, Térèse Glowacki & David Cleaves, M.S.R. Prem Kumar, Rod G. Nelson, Disit Wechakit & Zhang Xianping.

For copies of these papers or information on the Social Forestry Network, contact:

Social Forestry Network
Agricultural Administration Unit
Overseas Development Institute
Regent's College
Inner Circle
Regent's Park
London NW1 4NS ENGLAND
Telephone: +44(71) 487 7413
Fax: +44(71)487 7790
Telex: 94082191 ODIUK

Forestry For Sustainable Development

The Forestry for Sustainable Development Project was described at some length in the July 1990 issue of the *Digest*. At that time five working papers had been issued. Since then several have been published:

Contributions of Tropical Forests to Sustainable Development by H.M. Gregersen, A.L. Lundgren, and G.R. Lindell, FFSD Working Paper 7, May 1990.

Tropical Forestry for Sustainable Development by Norman Myers. FFSD Working Paper 7, October 1990.

Sustainable Development: The Role of NGO's by Norman Myers. FFSD Working Paper 8, October 1990.

Common Property Management and Sustainable Development in India by J.E.M. Arnold. FFSD Working Paper 9, October 1990.

The Non-Timber Value of Tropical Forests by Norman Myers. FFSD Working Paper 10, November 1990.

The Role of Multinational Agencies in Promoting Sustainable Development by Steven E. McGaughey. FFSD Working Paper 11, December 1990.

Several more working papers are in progress and will be announced when available. Single copies of all of the above papers as well as more information on the FFSD program can be obtained from:

Allen D. Lundgren
Department of Forest Resources
115 Green Hall
University of Minnesota
1530 North Cleveland Avenue
St. Paul Minnesota 55108 USA
Telephone: (612)624-1277
Fax: (612)625-5212

International Environmental Issues

The International Institute for Applied Systems Analysis periodically publishes Research Reports on work done at that institution. Two such reports published recently may be of interest to Network members.

Bo R. Döös, Leader of the Environment Program at IIASA drafted an analytical overview for a symposium held in Vienna in late 1990 on the topic of "Environmental Protection and International Law." This overview is now available as a 56-page report. The chapter headings are as follows:

1. Introduction
 2. Major Environmental Issues and their Interaction
 3. The Evolutionary Process: From the Identification of a Threat to the Environment to Effective Response Strategies
 4. Global Climatic Change
 5. The Depletion of Stratospheric Ozone
 6. The Acidification of Terrestrial and Aquatic Ecosystems
 7. Deforestation and Degradation of Land
 8. Pollution and Toxicification
 9. Linkages between the Various Environmental Problems and Other Global Issues
 10. Is Our Knowledge of Environmental Issues Sufficient to Take Responsive Measures
- Döös, Bo R. *Environmental Issues Requiring International Action*, RR-91-16. Laxenburg, IIASA, 1991. 62 pp., US\$10.00, USBN 3-7045-0110-7.

Available from:
Publications Department
IIASA
A-2361 Laxenburg, AUSTRIA

Small Scale Fisheries Research

Two French research organizations, ORSTOM and IFREMER, organized a large international meeting on research and small scale fisheries which was held in Montpellier, France in July, 1989. The proceedings of that symposium were published in a massive two-volume set in 1991 and are now available. The table of contents is reproduced in its entirety since many of the papers deal directly or indirectly with common property and since many of the authors are network members.

TOME I

Un chercheur face aux pêches artisanales. M. Amanieu

I. La recherche et les pêches artisanales dans différentes régions du monde

(Regional synthesis on research and small-scale fisheries in some parts of the world)

L'apport des synthèses régionales. Perspectives historiques et institutionnelles sur la recherche interdisciplinaire dans le domaine des pêches artisanales. J.Weber, J.P. Chauveau

Small-scale fisheries and the development of related, particularly economic,

research in Southeast Asia. H. Lampe

Synthèse Afrique de l'Ouest. C. Chaboud, E. Charles-Dominique

Artisanat et pêche en Méditerranée. Evolution et état de la recherche. H. Farrugio

Small-scale fisheries in North America: research perspectives. AT. Charles

Small-scale fishing and social science in Northern West Europe. A survey of social science research on small-scale fishing in Atlantic. A. Hakon Hoel

La recherche halieutique et les pêcheries artisanales dans la Caraïbe insulaire. P. Freon, B. Gobert, R. Mahon

Small-scale fisheries research in Pacific South America. M. Aguero

Débats, Discussions

II. Recherche et structure des pêches artisanales Research and structure of small-scale fisheries

Recherche et structure des pêches artisanales: paradigmes et méthodes de recherche. Une introduction. S. Garcia, J.P. Reveret

Débats, Discussions

La pêche et la pluriactivité dans le secteur des cultures marines sur l'Etang de Thau. (Shellfish culture, fishing and multiple activity in Etang de Thau, a coastal mediterranean lagoon.) M. Antona, M. Garrabe, H. Rey

Patrons-pêcheurs du quartier de Martigues: métiers et artisanat. (Self-employed fishermen in the town of Martigues (France): business and crafts.) A. Apkarian, P. Verges

Les relations pêcheurs-mareyeuses dans la pêche artisanale au Bénin. (Production and commercialisation of products derived from small-scale marine fisheries in Bénin.) C. Atti Marna

La pêche à la ligne à main aux Seychelles. (Hand Une fisheries in the Seychelles.) P. Bach, G. Lablache-Carrara

Recherche et contestes physiques et humains de la pêche artisanale en Afrique. (Research and physical and human contexts of small-scale fisheries in Africa.) J. Bacle, R. Cecil

La pêche artisanale à la Réunion et à Mayotte. Artisanal small-scale fisheries on Réunion and Mayotte islands. G. Biais

Potentiel halieutique d'un atoll de l'archipel des Tuamotu (Polynésie française): méthodologie d'étude. (Fishing potential of an atoll in French Polynesia.) B. Caillait, A. Morize

Approche globale de la structure de la pêche aux petits métiers au Maroc et relations entre les composantes du secteur. (Overall approach to the structure of small-scale fisheries in Morocco and the relationships between components of the sector.) T. Dochi, A. Idelhaj

Recherche halieutique et pêches artisanales interactives en Méditerranée française: caractéristiques et perspectives d'aménagement. (Fisheries research and interacting artisanal fisheries in the French Mediterranean: characteristics and perspectives for change.) H. Farrugio, G. Le Corre

Pêche de la palourde en région rhodanienne: analyse des contraintes et choix méthodologiques en vue d'une étude bio-économique. (The clam fishery in the Rhône Delta (France) region: analysis of constraints and methodological options for a bioeconomic study.) F. Garcia

Description générale des pêcheries artisanales aux Iles Canaries. (A general description of small-scale fisheries in the Canary Islands.) J.A. Gonzalez

La planification de la main-d'oeuvre dans la pêche artisanale québécoise: besoin de nouvelles approches. (Manpower planning in Québec artisanal fisheries: need for new approaches.) L. Gosselin

La place de la démographie dans un projet halieutique pluridisciplinaire. L'exemple du projet Delta Central du Niger. (The role of demography in a multi-disciplinary fishery-research project: the Central Niger Delta project.) C. Herry

Price fluctuations in a coastal fishery in South-West Finland. (Les variations de prix dans une pêcherie côtière du Sud-Ouest de la Finlande.) M. Hilden, K. Saarni-Vilo

L'échantillonnage des pêches artisanales dispersées: nécessité d'opérations préalables. L'exemple du Delta Central du Niger. (Preliminary surveys in sampling dispersed small-scale fisheries in the Niger Central Delta.) R. Lae

- Stratégie d'évaluation d'une pêcherie artisanale: le cas du Maroc. (A strategy for the study of an artisanal fishery: the case of Morocco.)* A. Lahnin, M. Bertignac, S. Cunningham, M. Zouri
- La pêche artisanale et l'emploi: les exemples de la Martinique et des trêmailleurs boulonnais. (Small-scale fisheries and employment: the examples of Martinique and the trammel net fishery at Boulogne.)* F. Lantz, F. Celimene
- La pêche artisanale en Catalogne (Espagne). (Artisanal fisheries in Catalonia, Spain.)* P. Martin, P. Sanchez
- Research and dynamics of small-scale fisheries in the region of Murcia. (Recherche et dynamique des pêches artisanales en Murcie (Espagne)).* J. Mas, P. Martinez Bano, F. Bizuette
- La pêche artisanale en Amazonie centrale: approches et difficultés. (Artisanal fisheries in central Amazonia: preliminary assessment and problems.)* B. Merona de, M.M. Bittencourt
- Utilisation des carnets de bord pour l'étude des stratégies de pêche des chalutiers hauturiers bigoudens. (Use of ship logbooks in the study of fishing strategies of Breton deep-sea trawlers.)* J. Pichon
- La pêche artisanale sur les côtes de la péninsule du Yucatan, au Mexique: l'exemple des pêcheries soumises au système de l'"Ejido". (Small-scale fisheries in Yucatan (Mexico): the "ejido" management.)* R.D. Quezada
- A low cost, appropriate technology method for estimating the productivity of a traditional, multi-species fishery in Papua New-Guinea and implications for management. (Une méthodologie peu onéreuse pour estimer la production d'une pêcherie traditionnelle multispécifique en papouasie Nouvelle-Guinée.)* N.J. Quinn, B.L. Kojis
- The small scale fishery of Linosa (Pelagic Islands: Mediterranean Sea). (La pêche artisanale de Linosa (Iles Pélagies, Méditerranée).)* S. Ragonese, G. Rivas
- La recherche et les pêcheries artisanales argentines du bassin de la Plata. Le cas des pêcheries du Parana Inferior. (Research on the Argentine artisanal fisheries of the Plata basin. The example of the fisheries of the Lower Parana.)* G. Segura, R. Delfino Schenke
- Pêche artisanale et tourisme en Méditerranée occidentale. Artisanal fishing and tourism in the Western Mediterranean C. Siches I Cuadra*
- Approche morphologique de la pêche. The morphological approach to fisheries* E. Tempier
- The musselmen of Yerseke: an ethno-historical perspective. (Les conchyliculteurs de Yerseke: une approche d'ethnographie historique.)* R. Van Ginkel
- Mesure de l'activité halieutique lagunaire. Application au Languedoc. (Measurement of fishing activity in lagoons. Application to the Languedoc region of France.)* M.C. Ximenes

TOME II

III. Recherche et dynamique des pêches artisanales

Research and dynamics of small-scale fisheries

- Recherche et dynamique des pêches artisanales. Une introduction* (A. Laurec, J.G. Sutinen)
- Débats, Discussions*
- Non-competing small-scale fisheries in Western Alaska: subsistence and commercial fishing by native alaskans. (Pêches artisanales sans compétition dans l'ouest de l'Alaska: pêche commerciale et de subsistance par les autochtones d'Alaska.)* E.F. Andrews, M.C. Pete
- Hétérogénéité et variabilité de la pêche artisanale: méthodologie d'étude de l'activité de pêche et mortalité induite. (Heterogeneity and variability of small-scale fisheries: methods of studying fishing activity and induced mortality.)* M. Barry-Gerard, M. Bakhayokho, F. Laloe, A. Samba, H. Diadiou, J.J. Levenez
- Investissement productif et consommation des pêcheurs du Delta Central du Niger. (Productive investment and consumption by fisherman in the Central Delta of the Niger.)* E. Baumann
- Community-based management and sustainable development. (Gestion communautaire et développement soutenable.)* F. Berkes, M. Kislalioglu
- Savoirs et transmission des savoirs entre les pêcheurs: discussion de l'approche méthodologique à partir de l'expérience de recherche menée au "Centre d'Estudies del Mar" (CEM), Diputacio de Barcelona.* F. Breton
- Considérations méthodologiques sur la pêche aux petits métiers dans la Méditerranée espagnole. (Methodological considerations on small-scale fisheries in Mediterranean Spain.)* J.A. Caminas, J. Leonart, J. Mas, P. Oliver
- Les relations entre producteurs et commerçants ou les mareyeurs sont-ils des exploiters? Le cas du Sénégal. (The relationship between fishermen and fish merchants or, are the merchants exploiters? The example of Sénégal.)* C. Chaboud, M. Kebe
- Bio-socio-economic dynamics and multidisciplinary models in small-scale fisheries research. (Dynamiques bio-socio-économiques et modèles multidisciplinaires dans la recherche sur les pêches artisanales.)* AT. Charles
- Les exploitations d'holothuries dans l'Indo-Pacifique tropical: une approche de leur variabilité spatiale et temporelle. (Holothurian exploitation in the tropical Indo-Pacific region: an assessment of their spatial and temporal variability.)* C. Conand
- Pêcheurs migrants et paysans-pêcheurs: deux modèles de gestion de l'espace irréductibles?* M.C. Cormier-Salem
- Savoir et savoir-faire: les recherches pêche-environnement face à la gestion des ressources instables. (Knowledge and know-how: fishery environment studies faced with the management of unstable resources.)* Ph. Cury, C. Roy

- Ambivalent co-operators: organisational slack and utilitarian rationality in an Eastern Nova-Scotian fisheries cooperative. (Co-opérateurs ambivalents: cohésion organisationnelle et rationalité utilitariste dans une coopérative de pêche de l'Est de la Nouvelle-Ecosse.)* A. Davis, S. Jentoft
- Approche historique de l'expansion des pêcheurs ghanéens Fante et Ewe sur le littoral ivoirien. (A historical approach to the expansion of Ghanaian fishermen Fante and Ewe along the Ivory Coast.)* K. Delaunay
- L'exploitation des petits pélagiques côtiers au Sénégal: réponse de la recherche à la crise sardinière. (The operation of small-coastal pelagic fisheries in Sénégal: reaction of research to the sardine crisis.)* M. Deme, J.J. Leveriez
- Analyse et gestion des pêcheries côtières. Nécessité d'une nouvelle démarche? (Analysis and management of coastal fisheries: the need for a new approach.)* J.L. Durand, H. Farrugio, M. Lemoine
- Stratégies d'exploitation des sennes tournantes artisanales de Côte-d'Ivoire. "Où vois-je pêcher demain?" (Operating strategies for small-scale purse-seine fisheries on the Côte-d'Ivoire. "Where shall I fish tomorrow?")* J.M. Ecoutin
- Dynamique de la recherche et dynamique de la pêche artisanale dans l'Etat du Para, Amazonie (Brésil). (Research dynamics and small-scale fishery dynamics in the state of Para, Amazonia, Brazil.)* L.G. Furtado, M.C. Maneschy
- Anthropologie sociale et pêche artisanale. Le cas des artisans-pêcheurs de St-Pierre (Saint-Pierre-et-Miquelon). (Social anthropology and small-scale fisheries. The example of the fishermen of St-Pierre (a French island off the Canadian coast))* A. Geistdoerfer
- The role of migrating fishermen in West Africa: what we know and what we still need to learn. (Le rôle des migrations de pêcheurs en Afrique de l'Ouest: acquis et questions.)* J.M. Haakonsen
- La situation socio-économique de la succession des exploitations dans la pêche artisanale: le cas du Japon. (The socio-economic situation of the succession of small-scale fishery exploitation: the example of Japan.)* K. Kase
- Contresens possibles et nécessaire pluridisciplinarité: l'exemple des ethmaloses de la lagune Ebrié. R. Lae, J.J. Albaret, J.R. Durand*
- Modèle de simulation d'une pêcherie incluant la détermination de l'effort de pêche. (Simulation model of a fishery including the determination of fishing effort.)* F. Laloe, A. Samba
- Pêche, clans-pêcheurs et développement in Nouvelle-Calédonie. (Fishing, fishing clans and development in New Caledonia.)* I. Leblic
- Communal control of aquatic resources in lake Titicaca, Peru. (Contrôle collectif des ressources aquatiques sur le lac Titicaca (Pérou).)* D. Levieil, B. Orlove
- L'analyse des relations contractuelles dans le secteur de la pêche maritime: la contribution de la Nouvelle Economie Institutionnelle. (An analysis of contractual relationships in the marine fishing sector: the contribution of the new institutional economics.)* J. Ph. Platteau
- Parenté et stratégies familiales dans la pêche du littoral méditerranéen. (Parentage and family strategies in coastal mediterranean fisheries.)* D. Provansal
- Are artisanal fisheries backward? Artisanal fisheries in modern society, the example of Denmark. (Les pêches artisanales sont-elles démodées? L'exemple des pêcheries du Danemark.)* T.A. Verstergaard
- Economic and biological benefits of interspecies switching in a simulated chaotic fishery. (Simulation d'une pêcherie chaotique: l'intérêt économique et biologique du changement de cibles.)* J.A. Wilson, J. French, P. Kleban, S. McRay, N. Roy, R. Townsend

IV. Recherche et dispositifs d'intervention Research and interventions

- Les relations entre recherche et intervention. Une introduction.* C. Chaboud
- Débats, Discussions*
- La télédétection et la pêche artisanale du germon et de l'espadon au Chili: un cas de transfert de technologie. (Remote sensing and the Chilean small-scale albacore and swordfish fishery: an example of technology transfer)* M.A. Barbieri, E. Yanez, M. Farias
- La pêche traditionnelle aux Iles Tonga, Polynésie occidentale: tenure maritime et gestion des ressources. (The traditional fishery on the Tonga islands (Western Polynesia): marine tenure and resource management)* M.C. Bataille-Benguigui
- Effets des aides financières sur les activités de pêches artisanales. (Effects of subsidies on small-scale fisheries' activities)* J.P. Boude
- Pêche artisanale et intervention étatique en milieu nordique québécois. (Artisanal fisheries and state intervention in Northern Québec)* J.M. Darveau, D. Roy
- Les effets du soutien financier de l'Etat à la pêche artisanale: le cas du Sénégal. (The effects of financial aid on the small-scale fisheries in Sénégal)* M. Deme
- Tradition and change in the Brazilian small-scale fisheries: a preliminary synthesis. (Tradition et changement dans la pêche artisanale au Brésil: une synthèse préliminaire)* A.C. Diegues
- La recherche et la gestion de la pêcherie de crevettes Péneides en Guyane française de 1958 à 1988: trente années de surf. (Research and management on the penaeid prawn fishery in French Guyana from 1958 to 1988: thirty years of surf.)* C. Dintheer, B. Gilly, J.Y. Le Gall, M. Lemoine, J. Rose

Pêches artisanales et élevages aquatiques: complémentarités supposées et conflits potentiels. (Small-scale fisheries and aquaculture: assumed complementarities and possible conflicts.) J.R. Durand, F. Verdeaux

La production de pêche dans le Delta Central du Niger (Mali): systèmes de perception et d'appropriation des territoires. (Fish production in the Central Delta of the Niger (Mali): Systems of perception and ownership of territories.) C. Fay

Identification des causes de défaillance dans l'analyse des projets. Application à l'étude de 14 projets pêche. (Identification of the causes of failure in analyzing projects: application to the study of fourteen fishery projects.) M. Garrabe, H. Rey, M. Antona

Propos sur le crédit nomade. (Observations on credit to nomadic fishermen.) B. Kassibo

Effets non prévus des interventions pour le développement. L'exemple de la pêche cordière au Sénégal. (Adverse effects of state intervention for development. The example of the senegalese hand-line fishery.) M. Kebe

La pêche maritime artisanale dans un contexte urbain. L'exemple de Conakry. (Small-scale fisheries in an urban context. The example of Conakry.) B. Lootvoet

V. Perspectives de la recherche sur les pêches artisanales

Prospects of research on small-scale fisheries

Perspectives de la recherche sur les pêches artisanales. Une introduction. J. Chaussade

Le processus de travail et la transformation capitaliste dans le secteur de la pêche catalane. (The work process and capitalist transformation in Catalan (Spain) fisheries.) J.L. Alegret

Problématique des relations entre la pêche artisanale et la pêche industrielle: cas des ressources démersales. (Interactions between artisanal and industrial fisheries: exploiting demersal resources in Sénégal.) M. Bakhayokho, M. Kebe

Réactions des pêcheurs face aux variations d'abondance et de disponibilité des ressources: approche méthodologique. (How do small-scale fishermen adapt their strategies and tactics to resource availability and abundance?) M. Bakhayokho, M. Kebe

Recherche artisanale et pêche artisanale: une réflexion en forme de bilan. (Empirical research on small-scale fisheries. A retrospective assessment.) G. Blanchet

Haliéutique et pêches artisanales: anciennes méthodes, nouvelles problématiques? Le cas de la pêche en lagune Aby, Côte-d'Ivoire). (Fisheries science and small-scale fisheries: old methods, new questions? The example of Aby lagoon, Côte-d'Ivoire.) E. Charles-Dominique

Les sciences sociales et la pêche artisanale. (Social sciences and small-scale fisheries.) J. Chaussade

Le lac Tchad: de l'étude d'un écosystème à l'aménagement des pêches continentales. (Lake

Tchad: from ecosystem studies to continental fisheries management.) J.R. Durand, J. Quensiere

La recherche et la profession face au suivi statistique des pêcheries artisanales martiniquaises. (Research and the attitude of the profession to statistical monitoring of small-scale fisheries in Martinique.) B. Gobert, L. Reynal

Du schéma d'aménagement à ses résultats réels: "l'effet informel" dans l'aménagement des pêches artisanales sénégalaises. (From the development plan to the real results: "the informal effect" in the management of senegalese small-scale fisheries.) F. Laloe, J.P. Chauveau, A. Samba

Inshore stock assessment: research and management implications for sequential shrimp fisheries. (Evaluation des stocks côtiers: recherche et gestion pour les pêcheries de crevettes.) T.R. McGuire, M. Langworthy

L'étude de la pêche dans le Delta central du Niger: une approche pluridisciplinaire. (Fisheries studies in the Central Delta of the Niger: a multidisciplinary approach.) J. Quensiere

Social science research in small-scale fisheries in Malaysia: conceptual and methodological issues and constraints. (Recherche sociologique sur les pêches artisanales en Malaisie: contraintes et limites de l'approche.) J. Yahaya

VI. Forums

A note on research on "TURF", sea tenure Systems or marine property rights and the management of small-scale fisheries. E. Hviding

Interactions pêcheurs/poissons. J.J. Albaret, E. Morize

Confrontation des expériences. Enquête de terrain auprès des pêcheurs. H. Rey

Migrations des pêcheurs. J.M. Haakonsen

Histoire récente des pêcheries et des interventions institutionnelles sur les pêcheries. J.P. Chauveau

Discussions des forums

VII. Conclusions du Symposium

Recherche et structure des pêches artisanales. K. Delaunay, B. Kassibo

Recherche et dynamique des pêches artisanales. Y. Breton, Ph. Cury

Recherche et dispositifs d'intervention. M. Garrabe

Débats, Discussions

Perspectives de la recherche sur les pêches artisanales. J. Quensiere, J.P.

Platteau, F. Berkes

Conclusions générales. J. Weber, P.H. Pearse

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