



# BULLETIN

NOVEMBER 1982

Volume 5, Number 1

## MAB PERSONNEL:

Like many other federal offices this year, MAB has undergone some changes and reductions in staff. Our fulltime Executive Director position was abolished at the time of Jay Blowers' departure. In June, Jay completed a 3-year tour with MAB and is now reassigned to the Bureau of Oceans and International Environmental and Scientific Affairs at the State Department. Brooke Holmes of the Office of Communications and UNESCO Affairs, Bureau of International Organization Affairs, is now Acting Executive Director of MAB on a parttime basis. The AID/MAB contract of five years' duration has been completed; its dedicated Project Officer, James W. Corson, has retired and is at home in Cape May, New Jersey. Russell M. Burns, who has been with the MAB Secretariat much of the time since 1977, has returned to his fulltime position with the USDA Forest Service's Timber Management Research Branch in Rosslyn, Virginia. Brian R. Payne, also of the U.S. Forest Service, has recently returned from a 3-year assignment to MAB/Paris; he will take over the Forest Service Program Coordinator's position which Russell has handled so well for so long. Brian will be in charge of the MAB/Agency Research Consortium and MAB special projects on a halftime basis; the rest of his time will be devoted to IUFRO (International Union of Forestry Research Organizations) activities with the Forest Service. Marian Keough, our do-or-die secretary for the past three years, will be retiring from government service at the end of the year. Phyl Rubin, in her fifth year with MAB, will remain as the 4-day per week MAB Conference Officer and publications and administrative staffer.

The Chairman of U.S. MAB, Donald R. King, has resigned after serving in that position from MAB's very beginning in the United States. We wish him well in his new work at the World Bank in Washington, D.C. His successor has not yet been appointed.

### Current Staff Members

Brooke C. Holmes, Acting Executive Director	(202) 632-2786/632-1155
Brian R. Payne MAB Program Coordinator	(202) 632-7571/447-5748
Phylis N. Rubin MAB Conference Officer	(202) 632-2816/632-2786
Marian R. Keough MAB Secretary	(202) 632-7573/632-2816

MAB/AGENCY RESEARCH CONSORTIUM: GRANTS MADE FOR FOUR PROPOSALS SUBMITTED TO THE MAB/AGENCY CONSORTIUM FOR THE STUDY OF MAN'S RELATIONSHIP WITH HIS GLOBAL ENVIRONMENT

The Governing Board for the FY-1982 MAB Research Consortium selected four proposals for funding. Appropriate notices were mailed to all who submitted proposals. We had a tremendous response and it is regretted that

total funding available was not up to the Secretariat's expectations at the time the call for proposals was published last year.

Names of principal investigators and successful proposals follow:

1. Tropical Dry Forests of Australia: Structure, Recovery, and the Conflict of Human Interests - Patricia A. Werner; Peter G. Murphy
2. Atmospheric Deposition of Nitrogen and Sulphur on Selected Watersheds of Southern California and their Effects on Runoff Water Quality - L.J. Lund; P.R. Miller; A.L. Page; P.J. Riggan
3. Potential Productive Capacity of Abandoned Pasture Lands in Brazilian Amazon - Christopher Uhl
4. Biosphere Reserves as Reservoirs of Genetic Resources - Alan Stiven; Richard Bruce

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MAB/AGENCY CONSORTIUM - 1983:

As of October 1982, federal appropriations have not been made to the agencies supporting the MAB/Agency Research Consortium for the Study of Man's Relationship with his Global Environment. However, this issue of the MAB Bulletin, which represents this year's invitation for proposals, is being distributed in order that there be sufficient time for the review/selection/award process in the event funding is forthcoming. If funds do not become available for FY-83 grants, an announcement will be sent to those on the MAB Bulletin mailing list and proposals received will be returned.

In 1982, the Consortium received 139 proposals but was able to fund only four. Many did not meet MAB and/or funding agency criteria. Obviously, therefore, proposals should adhere strictly to the criteria listed in the Guidelines which follow (Page 3) in order to receive serious consideration.

\* \* \* \* \*

List of publications available from the MAB Secretariat appears on the last page of this bulletin. Most publications are free; a price is shown for those which are not.

Several publications are in process and will be available fairly soon. These are:

Forestry in the Caribbean, Proceedings of the First Workshop of Caribbean Foresters, held in Castries, Saint Lucia, May 24-28, 1982

Communication to the Public in U.S. Biosphere Reserves, Report of a Workshop, Arlington, Virginia, June 14-15, 1981

Guidelines for Identification, Evaluation and Selection of Biosphere Reserves in the United States, prepared by an Expert Panel on Biosphere Reserves, Atlanta, Georgia, October 1981 (Revised June 1982)

Caribbean Island Resource Management, An Annotated Bibliography of Source Materials Focusing on the U.S. Virgin Islands' Experience and its Eastern Caribbean Context

CONSORTIUM FOR THE STUDY OF MAN'S RELATIONSHIP WITH  
THE GLOBAL ENVIRONMENT

GUIDELINES FOR FY-83 RESEARCH PROPOSALS

INTRODUCTION

Guidelines for submitting proposals for research grants are attached. They were developed under the direction of the Governing Committee of the U.S. Man and the Biosphere (MAB) Program's Research Consortium to assist scientists in organizing their proposals and to facilitate the proposal review and evaluation process. The Governing Committee is composed of one representative from each of the funding agencies, Chairmen from each of the participating MAB Directorates, and the Executive Director of the U.S. MAB Program, who serves as Consortium Chairman.

Appended to the Guidelines are mission statements for each of the sponsoring Federal Agencies, objectives of the Consortium and of the U.S. MAB Program, and a copy of the form to be used to evaluate research proposals. Also included are specific areas of interest to the Governing Committee.

Also included is a calendar of events with deadline dates for fiscal year 1983.

NOTE: THE GOVERNING COMMITTEE RESERVES THE RIGHT TO REJECT ANY PROPOSAL.

DETAILS

Federal Funds Available: A maximum of \$60,000 per research proposal. Proposals for smaller amounts are welcome.

Principal Investigators: Principal investigators affiliated with universities and non-profit organizations should use Office of Management and Budget (OMB) Circular A-110 as a model for financial aspects of their proposals. Principal investigators affiliated with state and local governments should follow the administrative requirements in OMB Circular A-102. To preclude possible funding problems, federal employees who submit proposals should do so in conjunction with a principal investigator from a non-federal organization or institution and should designate that person's institution as the recipient of the grant.

Type of Grant: Grants to U.S. scientists at research institutions will be made under a reimbursable agreement unless there is a justifiable fiscal need for an advance of funds. Regardless of how grants are made, 20 percent of the budget will be assumed to represent the cost of preparing the final report and, therefore, this percentage will be withheld pending receipt and acceptance of all reports agreed upon in the grant. As a minimum, an interim progress report and a final report will be required. The latter should be in camera-ready form suitable for publication with a draft received by the U.S. MAB Secretariat no later than two months after the expiration date of the grant. U.S. MAB Report No. 2 of the MAB publication series may be used as a format for the final report. Copies will be made available to grantees upon request. Results of MAB-sponsored research also may be published elsewhere provided that appropriate credit is given to the U.S. MAB Program.

Longevity of Research Grants: One-time funding with a three-year maximum for completion of work.

Call for Proposals: The Chairman of the Consortium will make an announcement calling for research proposals annually and as early in the federal fiscal year as possible.

Areas of Consideration: Proposals relating to Specific Areas of Interest listed in the Appendix will be given priority consideration.

The Consortium will consider only research projects relevant to improving the level of knowledge of interrelationships between human activities and ecological systems. The Secretariat plans to publish monographs for many of the funded proposals; therefore, a project must result in a publishable product as a final report.

The Consortium will not consider funding of:

- training, interpretive, and educational projects,
- development of policies, guidelines, and plans,
- research not primarily focused on human interrelationships with natural or man-made ecosystems,
- agency research readily fundable through agency science programs,
- research not demonstrably satisfying U.S. MAB objectives and project criteria,
- workshops, conferences, symposia or seminars.

In making its selection, members of the Governing Committee will consider the degree to which the following criteria are satisfied.

#### CRITERIA

a. Research should be compatible with the mission of at least one of the funding agencies and with priorities established by U.S. MAB Directorates participating in the Consortium (Specific Areas of Interest listed in the Appendix). Currently, participating agencies are: USDA Forest Service, USDI National Park Service.

b. Research should be multidisciplinary, with particular emphasis on projects involving both the natural and social sciences. Each proposal must include the impact of man on natural systems, the repercussions of man-induced modifications of natural systems on man, or both elements. THE HUMAN COMPONENT MUST BE HIGHLY VISIBLE.

c. Research should be of national, regional, or international interest. Submission of proposals for research in, and relevant to, forest areas of developing countries is particularly encouraged. International research should involve collaboration with scientists in other countries and have broad applicability to problems of international significance. Proposals for work in other nations also must show how affected populations and host nation scientists will be involved.

d. Research should be highly relevant to environmental, land use, or natural resources management policy formulation at the agency, regional, national, or international level and designed to provide the kind of information needed to solve relevant, practical problems.

e. Research which utilizes Biosphere Reserves in the U.S. or other countries as the work site will receive priority consideration.

#### SUBMISSION OF PROPOSALS

ALL PROPOSALS MUST BE SPONSORED OR CO-SPONSORED BY U.S. INSTITUTIONS OR ORGANIZATIONS.

The original and 10 copies of each proposal, prepared in the format herein described, should be submitted to:

Executive Director  
US MAB Secretariat  
~~c/o US National Commission for UNESCO~~  
~~1015 20th St., NW, Suite 410~~  
Washington, D.C. 20036

Proposals must be received at the Secretariat on or before the deadline date stated in the annual announcement by the Chairman of the Governing Committee of the Consortium (see Calendar of Events). Recipients of grants will be notified during July and grants will be awarded by July 31.

Questions may be addressed to the U.S. MAB Program Coordinator: phone (202)632-7571 or FTS 632-7571.

Documents showing permission to enter and conduct the proposed research in each involved foreign nation must accompany the proposal.

#### FORMAT

The format was developed by the Governing Committee of the Consortium to assist researchers in organizing their proposals and to facilitate the review and evaluation process. The body of the proposal must not exceed 12 pages, single spaced. In addition there should be a title page, a two-page executive summary, a budget page, no more than two pages of literature cited, and no more than four pages of curricula vitae for the principal investigators. At a maximum, there cannot be more than 22 single-spaced pages if the above instructions are followed. PROPOSALS VARYING FROM THE RECOMMENDED FORMAT OR EXCEEDING THE 22 PAGE MAXIMUM LIMIT WILL BE REJECTED WITHOUT FURTHER CONSIDERATION.

#### EXECUTIVE SUMMARY

The two-page summary should be complete and concise. Its content will provide the basis for determining the relevancy of the proposal to MAB and to agencies participating in the Consortium. Proposals not deemed relevant to MAB and to at least one of the participating agencies will be rejected without further consideration and without detailed technical review. This decision will be based solely upon the content of the summary.

The summary should be a precis containing the title of the proposal, but not the name or affiliation of the principal investigator(s). As a minimum it should contain information on the problem and its relevance to Consortium objectives and to the mission of at least one of the funding agencies. Information on the budget should be in US dollars and must include totals for direct and indirect costs, in-kind cooperative funds from outside the Consortium, if any, and the total amount of the grant requested from the Consortium. It should also include information about (a) the length of the proposed research in months, (b) methods, (c) analyses, and (d) how results will have practical application regarding policy, management, and/or human need.

#### TITLE PAGE

RESEARCH PROPOSAL SUBMITTED TO THE  
CONSORTIUM FOR THE STUDY OF MAN'S RELATIONSHIP  
WITH THE GLOBAL ENVIRONMENT

#### Title of Proposal

Principal Investigators: Names, addresses, phone numbers, affiliations

Institution or Agency:

Proposed Starting Date:

Estimated Completion Date:

Duration: (Months)

Total Budget: Estimate, in US dollars, all direct and indirect costs. Contributions in kind by supporting institutions and collaborating foreign scientists and institutions also should be listed and those essential to the success of the project must be identified.

Endorsements: Signatures and titles of principal investigators and institutional officials.

Certification: Has this proposal or a related one been submitted for funding elsewhere? If no, so state. If yes, provide particulars including grantor, date submitted, and action taken or pending. Is any part of this or a companion proposal being funded by other than sources identified in this proposal? If so, give details including name, address, and phone number of a contact. If not, please indicate.

Table of Contents

Background: Identify the problem to be addressed.

Objectives and Scope: Include intended audience.

Methodology: a. Research design, variables to be measured, and sampling and data collection procedures  
b. Method of analysis  
c. Schedule of operations for field and/or laboratory

Reports and Manuscripts: List schedule and plans for reports and publications. As a minimum, there must be one progress report and a final report. A draft final report (5 copies) should be submitted to the MAB Secretariat for peer review. If the report is accepted for the MAB Consortium monograph series and additions, changes, etc., are required, the document will be returned for revision prior to printing together with a copy of MAB Report #2 as a guide for preparing a camera-ready copy. Proposed outlets for manuscripts other than the MAB monograph series should be identified.

Literature cited:

Principal Investigator(s) Curricula Vitae: Include qualifications.

Available Facilities: Brief description of field, laboratory, bibliographic, computer, and other facilities available to complete the project.

CALENDAR OF EVENTS

Fiscal Year 1983

<u>Deadline Date</u>	<u>Event</u>
January 28, 1983	Proposals must be received by the US MAB Secretariat.
July 8, 1983	Notification of acceptance of proposals for funding; fiscal and technical details to be negotiated.
July 29, 1983	Grants awarded.

Note: Use of express mail or a courier service is recommended to meet the January 28 deadline. Proposals arriving after January 28 will be rejected.

BUDGET

Request for U.S. MAB Consortium Funds

1.	Salaries and Wages:	
	Principal Investigator	_____
	Co-Investigators	_____
	Assistants	_____
	Secretary-Typist	_____
	Others (explain)	_____
	Subtotal - Item #1	_____
2.	Staff (fringe) benefits (show calculation)	_____
	Subtotal - Item #2	_____
3.	Expendable materials and supplies:	_____
		_____
4.	Non-expendable equipment: (Itemize by unit, quantity, and price if \$300 or more per unit <sup>1/</sup> )	_____
5.	Travel and per diem -- itemize: <sup>2/</sup>	
	Travel	_____
	Per diem	_____
	Subtotal - Item #5	_____
6.	Computer costs: (Itemize)	_____
7.	Other direct costs: (Itemize)	_____
	Total direct costs (all of above)	_____
8.	Indirect (non-recoverable) costs: (Show calculation)	
	_____ % of total direct costs <sup>3/</sup>	_____
9.	Contributions from other sources -- list	_____
10.	Total cost (U.S. MAB and others)	_____
	CONSORTIUM COSTS (Direct and indirect) (\$60,000 maximum)	_____

1/ If equipment costs \$300 or more per unit, include justification statement with budget request. Equipment costing \$300 or more must be identified and its ultimate disposition agreed upon before the grant is awarded.

2/ Travel must be in accordance with Federal Travel Regulations. Per diem cannot exceed the maximum published rates for each locality.

3/ In general, projects with high indirect costs do not fare well in the selection process. Those that do not exceed 25% will be most competitive

Resubmission by MAB

In some cases, MAB may have an opportunity to forward a rejected proposal to an alternative funding source. If you wish to take advantage of this opportunity, please attach the following statement as the last page of your proposal (this will not count against the 22-page limit).

Example

The U.S. MAB Secretariat has my permission to submit my research proposal to any prospective funding source it considers appropriate. The title of my proposal is:

this permission will expire on December 1, 1983.

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Signatures and date by PI(s)

## APPENDIX

The Mission of the Forest Service is federal responsibility for national leadership in forestry; promotion and achievement of a pattern of natural resource use that will best meet the needs of people now and in the future; protection and improvement of the quality of air, water, soil, and natural beauty; protection and improvement of the quality of the open space environment in urban and community areas, generation of forestry opportunities to accelerate rural community growth; encouragement of the growth and development of forestry-based enterprises that readily respond to consumers' changing needs; encouragement of optimum forest land ownership patterns; improvement of the welfare of underprivileged members of society; involvement of the public in forestry policy and program formulation; encouragement of the development of forestry throughout the world; expansion of public understanding of environmental conservation; and development and availability of a firm scientific base for the advancement of society.

The Mission of the National Park Service is to administer the properties under its jurisdiction for the enjoyment and education of our citizens, to protect the natural environment of the areas, and to assist states, local governments, and citizens groups in the development of park areas, the protection of the natural environment, and the preservation of historic properties. The Service develops and implements park management plans and staffs the area under its administration; provides leadership in the preservation of historic properties and representative natural areas; studies the natural environment as a means for improving the scientific basis for natural resource management through the promotion of inventories, baseline studies, and relationships of man-caused impacts in pristine natural areas. The National Park Service is interested only in research conducted within, or directly applicable to, national parks within the 50 United States and its territories.

The Objectives of the MAB-Agency Consortium are to operate harmoniously within the existing framework of the U.S. Man and the Biosphere Program; to encourage and support research that complements the mission of the participating agencies; to identify people-related problems of the environment; to initiate and carry out research programs directed toward a systematic resolution of these problems; to encourage publication and dissemination of meaningful research results; and to support and facilitate related activities furthering these purposes.

The Objective of the Man and the Biosphere Program is to fill significant gaps in our understanding of the structure and function of ecosystems and of impacts and repercussions caused by human intervention and to provide the scientific knowledge, trained personnel, and support needed to solve practical problems of natural resource management.

### SPECIFIC AREAS OF INTEREST

For FY-83, the Governing Committee of the Consortium hopes to attract proposals aimed at solution of specific, urgent, MAB-related problems. Consequently, specific priority areas of interest are described below. This will not exclude proposals in other areas which meet one or more of the criteria previously stated, but the Governing Committee will show particular interest in proposals that are aimed at one or more of the following:

A. For tropical forest ecosystems:

- - Management of secondary vegetation particularly that of degraded sites.
- - Lessons to be learned from indigenous models of tropical forest management.
- - Relationships between deforestation and environmental degradation and public health.
- - Definition of tropical dry forests and the environmental forces that regulate them.
- - Advance of agricultural frontiers in the tropics.

B. For temperate forest ecosystems:

- - Effects of intensive forest management on ecosystem properties.

C. For Biosphere Reserves:

- - Selection and use of indicator species for assessment of trends in biological diversity, in ecosystem health, and for ecosystem monitoring.

Purpose: To provide state-of-the-art synthesis of information to support development of long-term research and monitoring programs in protected conservation areas with particular emphasis on biosphere reserves. International collaboration strongly encouraged.

- - Ecosystem synthesis: Interdisciplinary analysis of problems, trends, and opportunities for coordination of research and monitoring in an individual biogeographic province with particular emphasis on the role of biosphere reserves.

Purpose: To provide perspective for identifying priorities and developing cost-effective scientific and educational programs to support sustainable conservation of biological diversity within a particular province.

PROPOSAL REVIEW FORM

IMPORTANT NOTE TO REVIEWERS: YOUR ANONYMITY WILL BE MAINTAINED. HOWEVER, YOUR SCORES AND COMMENTS MUST BE SURRENDERED UPON WRITTEN REQUEST. FOR THIS REASON, AND TO FACILITATE THE WORK OF YOUR U.S. MAB SECRETARIAT, WE REQUEST THAT COMMENTS BE TYPEWRITTEN.

Provide a rank for each of the criteria listed below. The ranks are:

- |                                 |                          |
|---------------------------------|--------------------------|
| 0 = unacceptable or not present | 3 = adequate, OK, medium |
| 1 = poor or low                 | 4 = good                 |
| 2 = marginally adequate         | 5 = excellent or high    |

Generate the score by multiplying each rank by its factor (F)

NOTE: ONLY COMPLETED AND SIGNED FORMS RECEIVED BY THE US MAB SECRETARIAT BY MAY 20, 1983, WILL BE INCLUDED IN DELIBERATIONS OF THE GOVERNING COMMITTEE

CRITERIA

1. Priority or urgency of research. ( ) x 2 = ( )
  
2. How important will results of this research be to practitioners? ( ) x 1 = ( )
  
3. What is the likelihood of immediate and extensive adoption of results, assuming technology transfer routes are available? ( ) x 1 = ( )
  
4. How does the proposal reflect the Principal Investigator's knowledge of the field (do the P.I.s know what they are doing?) ( ) x 2 = ( )

Explain:

5. Overall quality of proposal. Is it well written? written? Are objectives clear, procedures explicit, etc? ( ) x 1 = ( )
  
6. Are the procedures to be used adequate?
  - a. Design ( ) x 1 = ( )
  - b. Methods ( ) x 1 = ( )
  - c. Data reduction ( ) x 1 = ( )

Comment:

7. BUDGET. Do you feel the budget is:
  - ( ) Too low to adequately carry out work. Why?
  - ( ) About right.
  - ( ) Too high for project as described. Why?

Total score \_\_\_\_\_

NOTE TO REVIEWERS: A PERFECT SCORE IS 50. DO NOT USE OR INVENT ANOTHER SYSTEM BECAUSE THE EVALUATION WILL BE DISCARDED.

SUMMARY

Proposal No. 83- \_\_\_\_\_

Title of proposal \_\_\_\_\_

Principal Investigator(s) \_\_\_\_\_

Institution \_\_\_\_\_

Score \_\_\_\_\_

- Accept proposal as written.
- Accept proposal if changes listed in comments (below) can be made.
- Reject proposal because:
  - Inadequate proposal (comment below).
  - Duplicates ongoing work (note below).
  - Has some merit but needs major changes in proposal; the proposal must be completely rewritten (explain below).

Comments, notes, and explanations:

Reviewer: \_\_\_\_\_  
(Signature and date)

\_\_\_\_\_  
(Reviewer's name typed or printed)

FREE SUBSCRIPTION:

Free subscriptions to the American Bar Association quarterly newsletter, Environmental Law are available from Elissa C. Lichtenstein, Editor, c/o American Bar Association, 1800 M Street, N.W., Washington, D.C. 20036. Telephone: (202) 331-2278. Each issue presents articles of interest to lawyers, planners, engineers, and legislators on a diversity of subjects including land use, surface mining, the Clean Air Act debate, energy/environmental considerations, marine mammals, and more. The newsletter also publishes notices of recent energy/environment publications and upcoming conferences across the country as well as pertinent ABA activities.

AVAILABLE PUBLICATIONS:

Two Great Smoky Mountains Biosphere Reserve publications, for sale to the public through the National Technical Information Service (NTIS), are now available:

Great Smoky Mountains Biosphere Reserve: A Bibliography of Scientific Studies. U.S. MAB Report No. 4. NTIS Accession No. PB82-226192. Paper copy \$9.00; microfiche \$4.00.

Great Smoky Mountains Biosphere Reserve: History of Scientific Study. U.S. MAB Report No. 5. NTIS Accession No. PB82-226200. Paper copy \$22.50; microfiche \$4.00.

When referring requests to NTIS, please make all checks payable to NTIS and include the accession number with the request(s) which should be mailed to: U.S. Department of Commerce, National Technical Information Service, Springfield, Virginia 22161.

Guidelines for the Selection of Biosphere Reserves, An Interim Report and Key. U.S. MAB Publication No. 1. (no cost)

Understanding Marine Ecosystems in the Gulf of Mexico. U.S. MAB Report No. 2. (no cost)

Training and Technology Transfer for Man and the Biosphere. U.S. MAB Report No. 3. (no cost)

Interim Guidelines for Identification and Selection of Coastal Biosphere Reserves. U.S. MAB Report No. 6 (no cost)

Pollution Assessment: A Training Manual. U.S. MAB Handbook No. 1 (no cost)

Diarrheal Disease Correlated with Season, Age and Sex of Patient, Hospital Behrhorst, Chimaltenango, Guatemala. U.S. MAB Miscellaneous Publication No. 1. (no cost)

Fire and Fuel Management in Mediterranean-climate Ecosystems: Research Priorities and Programmes. UNESCO MAB Technical Note 11. (no cost)

The Man and the Biosphere Program in Grazing Lands. Proceedings of sessions sponsored by the U.S. MAB Program at the First International Rangeland Congress, Denver, Colorado, U.S.A., August, 1978. (no cost)

MAB Project 13 - Perception of Environmental Quality - Purpose and Program. Folder. (no cost)

Social Sciences, Interdisciplinary Research and the U.S. Man and the Biosphere Program. Proceedings of workshop sponsored by the U.S. MAB Program, Washington, D.C., November, 1980. (no cost)

Effects of Air Pollutants on Mediterranean and Temperate Forest Ecosystems. Proceedings of symposium, co-sponsored by U.S. MAB Program, Riverside, California, June, 1980. (no cost)

IUFRO/MAB Conference: Research on Multiple Use of Forest Resources. Proceedings, Flagstaff, Arizona, May, 1980. (no cost)

Biological and Sociological Basis for a Rational Use of Forest Resources for Energy and Organics. Proceedings of an international workshop, co-sponsored by U.S. MAB Program, Michigan State University, East Lansing, Michigan, May, 1979. (no cost)

AVAILABLE PUBLICATIONS: (Continued)

Conference on Environmental Management and Economic Growth in the Smaller Caribbean Islands. Proceedings of an international conference, Wildey, St. Michael, Barbados, September, 1979. (no cost)

Selection, Management and Utilization of Biosphere Reserves. Proceedings of the United States/Union of Soviet Socialist Republics Symposium on Biosphere Reserves, Moscow, USSR, May, 1976. (no cost)

A Directory of Research Natural Areas on Federal Lands of the United States of America. Federal Committee of Ecological Reserves. 1977. (no cost)

U.S. Strategy Conference on Tropical Deforestation. Proceedings of U.S. Department of State and U.S. Agency for International Development sponsored conference. Washington, D.C. June, 1978. (no cost)

U.S. Strategy Conference on Biological Diversity. Proceedings of conference co-sponsored by U.S. MAB Program. Washington, D.C. November, 1981. (no cost)

The World's Tropical Forests: A Policy, Strategy, and Program for the United States. Report to the President by a U.S. Interagency Task Force on Tropical Forests. May, 1980. (no cost)

The United States Program - Man and the Biosphere. Folder. November, 1981. (no cost)

Ecology in Action: An Exhibit. Pamphlet describing 36 poster exhibit prepared by MAB/Paris (UNESCO) and Etudes et planification des communications (EPC), Paris. Poster subjects are drawn from field projects carried out during the last ten years within the UNESCO MAB Program.

List of Available Environmental Profiles. Profiles prepared under the AID/MAB Contract are available at no cost

For any, or all, of the above 'no cost' publications, write to:

Publications  
U.S. MAB Secretariat  
c/o U.S. National Commission for UNESCO  
1015 20th Street, N.W., Suite 410  
Washington, D.C. 20036

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MAB ON THE HILL !!

The House Subcommittee on Natural Resources, Agricultural Research and Environment of the Committee on Science and Technology is making arrangements with U.S. MAB to mount an exhibit of MAB posters prepared by MAB international in Paris. The exhibit will take place during the period January 24 - February 6, 1983 in the rotunda of the Cannon House Office Building. In conjunction therewith, the Subcommittee joined by the House Subcommittee on Human Rights and International Organizations of the Committee on Foreign Affairs, is planning a briefing session on MAB for committee members and staffers on January 24. Members of the MAB staff, several MAB Directorate Chairmen, and interested agency representatives will participate. We hope our readers will attend the briefing session to support MAB and will also visit the exhibit. More detailed information will be available from the MAB office in early January.

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DEPARTMENT OF STATE, U.S.A.  
WASHINGTON, D.C. 20520

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