

Inside AAAS

Mesoamerican Forests

The Interiencia Association, whose 14 members are the AAAS and its sister scientific organizations in the Americas, will be holding an international symposium on "Forest Conservation in Mesoamerica" at its annual meeting on 11 to 13 December. The event will be hosted by the Instituto de Ecología de Mexico and will be held at the Institute's headquarters in Jalapa, Veracruz.

The nations of Central America and Mexico have made major strides forward in the conservation of their forest ecosystems in recent years, and the symposium will bring together participants from the region to evaluate this progress. There will also be discussions on what remains to be done and how to cooperate across international frontiers to achieve it.

The business meeting of the

Association will include discussions of new Interiencia Association projects, such as its program on Environment and Sustainable Development (PRO-MADES) and initiatives in agriculture and forestry. For further information, contact Douglas Boucher, Executive Secretariat, Interiencia Association, AAAS, 1333 H Street, NW, Washington, DC 20005; telephone 202-326-6650.

Large Marine Ecosystems

Large marine ecosystems (LMEs)—the relatively narrow ocean zones that produce nearly 95% of the world's usable marine biomass—have, in recent years, been subjected to increased stress from both natural and anthropogenic changes. This situation has aroused major international concern due to its possible negative ecologic and economic effects.



Dark areas on this map represent large marine ecosystems, the narrow ocean zones that produce nearly 95% of the world's usable marine biomass.

A new AAAS book on the subject, edited by Kenneth Sherman, Lewis Alexander, and Barry Gold, deals with the possible impacts of global change on ocean productivity and provides scientific, geographic, socioeconomic, and legal arguments for managing LMEs as multinational units in order to sustain biomass yields of major coastal regions.

The book is divided into three major sections. Part I presents case histories of significant perturbations and their effects in

several LMEs. Part II examines interactions of LME organisms in a variable physical environment and explains how understanding these processes can dramatically improve the management of LMEs. The final section relates ecological theory to the study of LMEs and argues for implementing global marine ecosystem management from the LME perspective.

The information presented will be valuable to scientists and students in marine-related fields, as well as conservationists, natural resource policymakers, and everyone concerned about the future of the world's marine ecosystems. The softcover book, entitled *Large Marine Ecosystems: Patterns, Processes, and Yields*, is available from AAAS Books, P.O. Box 753, Waldorf MD 20604 (\$31.95 for AAAS members, \$39.95 to others; prepaid orders only at this price; California residents, please add applicable tax).

Proyecto Futuro

Chicago will be the site of a new 2-year AAAS project, "Proyecto Futuro" (Project Future), funded by the U.S. Department of Education. The program will target eight public schools with a high Hispanic

AAAS VISA® Gold Member Benefit

AAAS is pleased to announce a new member benefit—the AAAS VISA® Gold Card. We believe this credit card program is of value and service and that it merits your consideration. You may even wish to close out current accounts and replace them with the AAAS VISA Gold.

The AAAS VISA Gold Card is issued **free of an annual fee** the first year and has a provision for a **continuing annual fee waiver** each year if the member charges at least \$3000 during the preceding 12 months. The card features a competitive 16.9% annual percentage rate, a 25-day grace period with no finance charge on purchases, and a credit line up to \$25,000.

Because AAAS members are professionals who travel frequently, the program has additional benefits at no extra charge:

- automobile rental coverage
- travel accident insurance

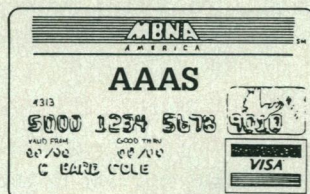
- lost luggage protection
- 24-hour toll-free customer service

AAAS has developed this new credit card program solely as a service to our membership. The Association does not profit from the program's operation.

The AAAS VISA Gold is available exclusively to qualifying AAAS members in good standing. In addition, the Association has designed a special program with easy credit access for student members.

Watch for your invitation to take advantage of this new member benefit, coming in the mail at the end of October. If you prefer to apply immediately, call our issuing bank, MBNASM

America, at 1-800-847-7378, ext. 5000. When calling, be sure to mention the AAAS priority code BYMC, and be prepared with your AAAS ID number as listed on your *Science* mailing label.

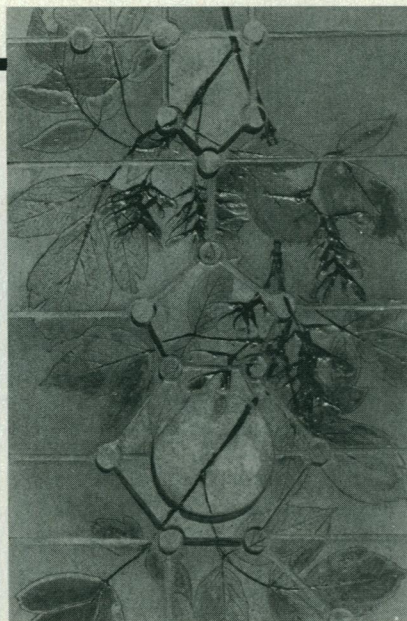


enrollment to improve science and mathematics teaching and learning in elementary and middle schools. It will also work with Hispanic parents who can significantly influence and support their child's education. One of the objectives will be to develop science and mathematics problem-solving activities (grades K-8) incorporating culturally relevant materials for use both in and out of school; materials will be developed within the current curricular guidelines for the schools. An important component will be training teachers and parents to use the newly developed materials.

Since November 1989, the AAAS Linkages Project Hispanic Outreach Effort has worked with Chicago area schools, community groups, and science organizations to highlight science and mathematics education for Hispanic students. Most recently, AAAS sponsored the successful event, "Launching Our Future," held at the Museum of Science and Industry on 23 June. This program engaged 250 students with limited English proficiency, their parents, and educators in a full day of science and mathematics activities. Follow-up events will be coordinated with Proyecto Futuro activities.

Council Deadline

Organizations or individuals wishing to present proposals or resolutions for possible inclusion in the AAAS Council meeting agenda should send them in written form to the Executive Officer, Richard S. Nicholson, by 5 November. Details on eligibility and format are on page 93 of the 5 October issue of *Science*.



Larson has just completed for the National Academy of Engineering and the Sciences in Irvine, California. The display is open Monday through Friday, 9 a.m. to 5 p.m. For further information about the exhibit and the AAAS Art of Science and Technology Program of which this is a part, write or call Virginia Stern, AAAS, 1333 H Street, NW, Washington, DC 20005; telephone 202-326-6672.

Art and Science

Ceramic works by Washington, D.C., area artist Jane Larson will be on display in the AAAS building's first floor atrium from 10 September to 14 December. The exhibition, entitled "Explorations in Science and Art," consists of wall-mounted reliefs that combine fossil-like impressions of plants with molecular diagrams. Also shown is a model for the 8-foot columnar mural that

For more information regarding Proyecto Futuro or the Linkages Project, contact Marsha Lakes Matyas, Project Director, or Estrella M. Triana, Project Coordinator, Proyecto Futuro, AAAS, 1333 H Street, NW, Washington, DC 20005; telephone 202-326-6670.

Last Chance for Poster Papers

If you have research results that you'd like to share with your peers, there's still time for you to submit an abstract for a poster session presentation at AAAS ☆91, the AAAS Annual Meeting. The deadline for abstracts is 2 November.

The poster sessions, which are an integral part of the meeting, make it possible for individual registrants to gain recognition for their own work by posting

their findings on a bulletin board and discussing them with interested colleagues, one-on-one, in an informal setting. Accepted abstracts will also be published and distributed to all meeting registrants.

Appropriate topics for the poster sessions include all of the physical, life, behavioral, and social sciences as well as topics related to the neuroscience seminar. For complete instructions, see the "Call for Papers" on page 141 of the 5 October issue of *Science*.

Larus Competition in Caribbean

Graduate students in the AAAS Caribbean Division area (the island and countries in or bordering the Caribbean Sea, including the Yucatan Peninsula of Mexico) may submit ab-

stracts of dissertation research for consideration in the competition for the Robert I. Larus Award. The Larus Award pays for the winning student's costs to attend the national AAAS annual meeting.

The submissions will be screened by a scientific review committee that will select semifinalists to present their papers at a special meeting in the Caribbean region (probably in Puerto Rico) to be held this December or January. Faculty members whose students are in the competition must sign the abstracts and have them sent by 1 November to Lucy Gaspar, Puerto Rican Resource Center for Science and Engineering, UPR Station, Rio Piedras PR 00931-3334, telephone 809-765-5170, FAX 809-751-0625.

Carey Graduate Student Award

Graduate students in the sciences are invited to apply for the annual William D. Carey Science Award. This award will provide up to \$300 for travel and subsistence for a limited number of outstanding graduate students to attend the AAAS Annual Meeting in Washington, D.C., during 14 to 19 February. Consideration for this award will be based on academic achievement and other accomplishments related to the advancement of science.

Applicants should submit a curriculum vitae and a 200- to 300-word description of their research topics to Laura Mann, AAAS, 1333 H Street, NW, Washington, DC 20005; telephone 202-326-6664. Deadline for receipt of applications is 1 December.