

# STRI newsletter

November 12, 1993

SMITHSONIAN TROPICAL RESEARCH INSTITUTE - Apartado 2072, Balboa, Panamá

No. 46

## TUPPER CENTER SEMINARS

Tue, Nov 16, seminar speaker will be Frederick W. Zechman, Academy of Natural Sciences, Philadelphia, at 11:00 am.

*Phylogenetic Systematics of Marine Green Algae*

Tue, Nov 16, seminar speaker will be Mark Meakin, New Zealand, at 1 pm.

*Coupling of Cycles of Larval Production, Supply and Recruitment of Reef Fishes of the Great Barrier Reef, Australia*

### Abstract

Novel sampling techniques were used to examine the relative influence of planktonic processes and production cycles on the recruitment signals of reef fishes at Lizard Island, northern GBR. Late-stage juveniles were captured in the plankton at night using traps with submersible lights. Spawning patterns were measured *in situ*, by quantifying the size of brooded clutches of eggs held within nests of adults. The timing of recruitment events was largely driven by the temporal pattern of larval production. The close links between cycles in production, supply and recruitment implies the larvae may only undergo limited dispersal within the plankton at Lizard Island.

## UNIV. DE PANAMA • STRI

La Vicerrectoría de Investigación y Postgrado de la Universidad de Panamá y STRI, invitan al seminario:

*Estudios Marinos en el Inventario Biológico en el Canal de Panamá*

por Luis D'Croz, en el Auditorio del Centro Tupper, el jueves 18 de noviembre, a las 5:30pm.

### Next Week Seminar

Tue, Nov 23, noon seminar speaker will be Jeanne Zeh

*Promiscuous Females: Loose or Logical?*



Members of Panama's Cámara Junior, international visitors and their families visited the Marine Center at Culebra on Friday, Nov 5, as part of the activities of their XXXVIII national convention "Ecología y Turismo, Clave para un Desarrollo Sostenible" \*\*\* Miembros de la Cámara Junior de Panamá, visitantes internacionales y familiares visitaron el Centro Marino de Punta Culebra el 5 de noviembre, como parte de las actividades de su XXXVIII convención nacional: Ecología y Turismo, Clave para un Desarrollo Sostenible. (Foto: M.A. Guerra)

## PEOPLE

### Arrivals

- Ross Simons, SI Deputy Assistant Secretary for Research, Nov 14-19, to consult with staff.
- Hindrik Wolda, Nov 14-24, to continue research in Panama, and consult with staff.
- Chuck Schneider and Antony Figueiras, ODC, Washington, on official business at STRI.
- Hugh Powell, Garrow and Associates, and Daniel Christian, University of Kansas, Nov 15-15 Mar, to work with Lisa Petit, at Gamboa.
- Germán Galvis, Instituto de Ciencias Naturales, Colombia, Nov 15-23, to visit STRI facilities and consult with Biff Bermingham.
- Walter Carson, University of Minnesota, Nov 16-14 Mar, to work with Steve Hubbell, on BCI.

### Departures

- Jorge Ventocilla, Nov 13-28, to Temuco, Chile, to attend the III Congreso Internacional de Gestión en Recursos Naturales. After the meetings will take a short vacation in Peru.

- Brian Keller, Nov 14-25, to Washington D.C., on official business at SI.
- Leonor Motta, Nov 15-20, to Washington D.C., on official business at SI.
- Jeremy Jackson, Nov 15-20, to Washington D.C., to attend meetings of the Inaugural Symposium of the Consortium of Systematics and Biodiversity.
- Olga Linares, Nov 16-13 Dec, to Washington D.C., to attend the meetings of the American Anthropological Association and to work at the Library of Congress and SI Libraries, then to Boston, to attend the meetings of the African Studies Association.

### Wedding Bells

Steve Mulkey and Kaoru Kitajima were married on Nov 2, in St. Louis. We wish them happiness.

### On Leave

Gloria Maggiori will be on leave during the month of December. Anybody planning to travel between Nov 15-Jan 15, should consult her as soon as possible, for arrangements.

## THINGS YOU SHOULD KNOW

### At Tupper Center

- Mon, Nov 15 ■ ODC Interviews of A&E firms, Large Meeting Room, 8am.
- Tue, Nov 16 ■ ODC Interviews of A&E firms, Large Meeting Room, 8am.
- Seminar by Frederick W. Zechman, Auditorium, 11am.
- Seminar by Mark Meakin, Auditorium, 1pm.
- Wed, Nov 17 ■ ODC Interviews of A&E firms, Large Meeting Room, 8am.
- Thu, Nov 18 ■ Seminar by Luis D'Croz, Auditorium, 5pm.

### At the Culebra Marine Reserve

- Tue, Nov 16 *Escuela Homero Ayala*
- Wed, Nov 17 *Escuela San Martín*
- Thu, Nov 18 *Escuela Homero Ayala*
- Sat, Nov 20 *Universidad Santa María La Antigua*

## TRAINING ••• ENTRENAMIENTO

### International Graduate Student Fellowship Program

The American Museum of Natural History announces the International Graduate Student Fellowship Program

at the Museum's Center for Biodiversity and Conservation. This doctoral program provides an opportunity for non-U.S. citizens to study a diversified curriculum in systematics, biodiversity, conservation, and public policy. Students will be accepted into a joint Museum-university program offering the Ph.D. degree. Under the direction of a Museum curator, students will attend classes and seminars at both the Museum and their chosen university. Non U.S. citizens are eligible who have a bachelors degree and can fulfill university admission requirements. The fellowship will provide travel assistance, stipend support for 12 months/year, and tuition will be fully paid, for 4 years. For further information contact the STRI Office of Education at the Tupper Center or the Office of Grants and Fellowships, American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024-5192. Tel.(212) 769-5467 • Fax (212) 769-5495.

### XVI Curso de Areas Protegidas • CATIE

5 de abril al 3 de mayo de 1994 • Turrialba  
CATIE, con el apoyo de WWP y UNESCO, y de otros donantes internacionales, proyectos regionales e instituciones nacionales de Costa Rica, organiza el XVI Curso Internacional de Areas Protegidas, que pondrá énfasis especial en la temática de la planificación de parques nacionales y áreas equivalentes. Los candidatos admitidos participarán en un programa intensivo de conferencias, lecturas y trabajos individuales y de grupo orientados a profundizar el conocimiento en planificación y manejo de áreas protegidas de América Latina. El curso está diseñado para capacitar profesionales activos en el manejo y planificación de áreas protegidas de la región neotropical. El curso será dictado en la sede del CATIE en Turrialba, Costa Rica, con visitas a varias áreas protegidas del país. Fecha límite para solicitudes: 31 de diciembre. Costo básico: \$2,400, sin contar transporte internacional. Para mayor información visite la Oficina de Educación de STRI en el Centro Tupper.

## FROM OTHER SOURCES

*from the National Academy of Science News*  
As a result of the 1993 Population Summit at New Delhi, 56 national academies of sciences produced a joint statement calling for government policies and initiatives that will "help achieve zero population growth within the lifetime of our children". The conference was convened to explore in detail the complex and interrelated issues of population growth, resource consumption,

socioeconomic development, and environmental protection. The statement, released on Oct 27, urges the world's governments to seriously consider population issues and take action, including:

- devising strategies to reduce and eliminate gender-based inequalities. Such inequalities, the statement explains, are reflected in the inability of women to take control of their own fertility;
- providing convenient family planning and other reproductive health services with a wide variety of safe contraceptive options, "irrespective of an individual's ability to pay;"
- encouraging voluntary approaches to family planning;
- developing policies that address basic need such as clean water, sanitation, and broad primary health care measures and education;
- establishing appropriate government policies that recognize longer-term environmental responsibilities and encourages an ethic that eschews wasteful consumption.

The New Delhi summit emphasized a range of issues where the natural and social sciences are crucial for understanding and developing new options for protecting the environment and improving the quality of human life today and for future generations.

Copies of "Joint Statement on Population by the World's Scientific Academies" are available from the National Research Council's Office of International Affairs, 2101 Constitution Ave., N.W., Washington D.C. 20418 • Tel. (202)334-2800.

## JOB OPPORTUNITY

### Director General of the Iwokrama Rain Forest Programme

The Iwokrama Rain Forest Programme is a unique programme launched by the Government and people of Guyana to seek to demonstrate methods for conserving and sustainably utilizing tropical forest resources and biodiversity on a site of 1 million acres. In order to carry out this task, a major collaborative effort is being mounted with the assistance of the United Nations Development Programme, the Commonwealth Secretariat, and a number of ministries and local institutions in Guyana. UNDP has recently approved a project under the Global Environment Facility to help initiate programme activities and establish the institutional setting of the programme. The Director General of the Programme will have the responsibility of undertaking the overall

coordination, management, and scientific leadership of the programme. He will also be responsible for managing the project of the Global Environment Facility as well as supervising the national programme manager, who in turn will be responsible for managing the day-to-day activities of the project. The candidate should have an advanced university degree in the natural sciences and at least 15 years of relevant experience in research management, institutional development, and management of large, complex, interdisciplinary teams. For more information on the Programme, visit the STRI Office of Education, Tupper Center.

## NEW STRI PUBLICATIONS

Chamberlain, J., Nelson, G. and Milton, Katharine. 1993. "Fatty Acid Profiles of Major Food Sources of Howler Monkeys (*Alouatta palliata*) in the Neotropics." *Experientia* 49: 820-824.

Fischman, Joshua. 1993. "Going for the Old: Ancient DNA Draws a Crowd." *Science* 262: 655-656.

Lozhin, Anatoly V., Anderson, P.M., Eisner, W.R., Ravako, L.G., Hopkins, D.M., Brubaker, L.B., Colinvaux, Paul A. and Miller, Michael C. 1993. "Late Quaternary Lacustrine Pollen Records from Southwestern Beringia." *Quaternary Research* 39: 314-324.

Milton, Katharine. 1993. "Diet and Primate Evolution." *Scientific American* 269(2): 86-93.

Milton, Katharine. 1993. "Diet and Social Organization of a Free-Ranging Spider Monkey Population: The Development of Species-Typical Behavior in the Absence of Adults." In: *Juvenile Primates: 173-181*, edited by M.E. Pereira and L.A. Fairbanks. New York: Oxford University Press.

Roisin, Yves. 1993. "Selective Pressures on Pleometrosis and Secondary Polygyny: A Comparison of Termites and Ants." In: *Queen Number and Sociality in Insects: 402-421*, edited by L. Keller. Oxford: Oxford University Press.

## MISCELLANEOUS

### *Liberen a Willy*

Promar, la Fundación para la Protección del Mar, presenta la *Premiere* de la película "Liberen a Willy", el 24 de noviembre, a las 7pm. en el Cine Plaza. La *Premiere* es en beneficio de los proyectos de Promar para la educación ambiental y la conservación de los ambientes naturales marinos. Contribución: \$10.



## NEW STRI BOOKLIST

Communicating in science: writing a scientific paper and speaking at scientific meetings / Vernon Booth.

Q223.B664 1993X STRI.

Conservation of biodiversity for sustainable development / edited by O.T. Sandlund, K. Hindar and A.H.D. Brown.

QH75.A1C75 1992 STRI.

Diseases of forest and ornamental trees / D.H. Phillips & D.A. Burdekin.

SB764.G7P55 1992 STRI.

Economic and ecological sustainability of tropical rain forest management / edited by Kathrin Schrenckenberg, Malcolm Handley.

SD247.E19 1991 STRI.

Environmental education about the rain forest / Klaus Berkmueller.

QH541.5.R27B513 1992 STRI.

The Grass genera of the world / Leslie Watson and Michael J. Dallwitz.

QK495.G74W33 1992X STRI.

Guía para el usuario de las parcelas experimentales de la biodiversidad: reserva de la biosfera del Beni, Bolivia / Francisco Dallmeier ... [et al].

QH77.B5G94 1992 STRI.

Handbook of Latin American studies: no.52 Humanities.

Ref Z1605.H23X STRI.

Iguanas: a guide to their biology and captive care / Fredric L. Frye and Wendy Townsend.

SF459.I38F78 1993X STRI.

An Introduction to tropical rain forests / T.C. Whitmore.

QH541.5.R27W6i 1991 STRI.

Local people, wildlife use and a national park in Bocas del Toro Archipelago, Panama / by Julieta Carrión de Samudio.

QL84.3.P2C318 1992 STRI.

Metapopulation dynamics: empirical and theoretical investigations / edited by Michael Gilpin and Ilkka Hanski.

QH752.M58 1991 STRI.

The Orchid genus book: a study guide for the orchid family / Patsy Webster.

QK495.O64W36 1992X STRI.

Parasites and pathogens of insects / edited by N.E. Beckage, S.N. Thompson, B.A. Federici.

QL495.P265 1993X STRI.

Phenolic metabolism in plants / edited by Helen A. Stafford and Ragai K. Ibrahim.

QK898.P57P54 1992 STRI.

Phytolith systematics: emerging issues / edited by George Rapp, Jr. and Susan C. Mulholland.

CC77.5.P47 1992X STRI.

Poisonous and medicinal plants / Will H. Blackwell.

QK100.A1B57 1990X STRI.

The South Sea pearls: the Philippine golden pearl / Francis Doumenge, Anne Toulemon, Jacques Branellec.

SH377.P6D73 1991 STRI.

Oceanography and Marine Biology: an annual review, v.28-30.

Serials section.

### Protéjase: Cómo Evitar que un Delincuente lo Convierta en su Propia Víctima

*De la Oficina de Seguridad*

El saber cómo protegerse junto con sus vecinos, hacer de la calle un lugar más seguro, puede reducir las posibilidades de ser víctima de los asaltantes, carteristas y de otros criminales. El sentido común generalmente lo librará de las contingencias, tomando en cuenta tres renglones básicos:

- Manténgase alerta. Esté al tanto de lo que le rodea; de quién va caminando delante y detrás de usted. No se distraiga. Si le preocupa la situación, pídale a un amigo que lo acompañe cuando tenga que salir.
- Aparente calma y confianza en sí mismo y deje ver que sabe exactamente hacia donde se dirige. Camine derecho, con pasos firmes y camine de frente a las personas que lo rodean.
- Confíe en su instinto. Si se siente incómodo en un lugar ante determinada situación, no vacile en irse.

### From: 365 Ways to Save our Planet • Page-a-Day Calendar •

If wilderness is to remain pristine, visitors must be on their best behavior. When you hike or camp, keep to trails; don't take shortcuts on switchbacks (it causes erosion); move quietly to minimize disturbance to wildlife; do not blaze trees; and leave the woods as you find them.