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 Camara 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.

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.
- Germán Galvis, Instituto de Ciencias Naturales, Colombia, Nov 15-23, to visit STRI facilities and consult with Biff Birmingham.
- 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.
SMITHSONIAN TROPICAL RESEARCH INSTITUTE, Apartado 2072, Balboa, Panamá

November 12, 1993

No. 46

- Brian Keller, Nov 14-25, to Washington D.C., on official business at SI.
- Leonor Moita, Nov 15-20, to Washington D.C., on official business at SI.

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

On Leave
Gloria Maggiore 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. Zechar- man, 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 bachelor’s 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 CATIE en el Centro Tupper.

FROM OTHER SOURCES
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.


**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**


**MISCELLANEOUS**

*Liberen a Willy*

Promar, la Fundación para la Protección del Mar, presenta la Première de la película "Liberen a Willy", el 24 de noviembre, a las 7 pm, en el Cine Plaza. La Première 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 1993 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 Berkmuu]. QH77.BSG94 1992 STRI.

The Grass genera of the world / Leslie Watson and Michael J. Dallwitz. QK49S.G74W33 1992X STRI.

Guia 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.R27W61 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.


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.


Phytolith systematics: emerging issues / edited by George Rapp, Jr. and Susan C. Mulholland. CC77.S.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.


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 to 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.