

STRI newsletter

April 5, 1991

SMITHSONIAN TROPICAL RESEARCH INSTITUTE - Apartado 2072, Balboa, Panama

No. 14

SEMINARS

Tupper Center Auditorium

No noon seminar scheduled for Tuesday, April 9. Dr. T. Halliday's seminar has been postponed until April 30th.

Next Week

Tuesday, April 16, noon seminar speaker will be David Lloyd, University of Canterbury, New Zealand.

BCI Seminar

The Thursday, April 18, evening seminar at 7:30 p.m. will be given by David Lloyd, University of Canterbury. There will be a late boat; those interested should call Maritza Cardenas on BCI.

PEOPLE

Arrivals

- Oscar Fonseca, Univ. of Costa Rica, Apr 8-15, to consult with Richard Cooke.
- Mary Ann Lindgren, STRI secretary in Washington D.C., Apr 10-21, on official business.

Departures

- Apr 8-19, David Roubik, STRI Scientific Staff, to Chetumal, Mexico, to continue bee research.
- Apr 8-20, Leonor Motta, Executive Director, on official business to Washington.
- Apr 9-13, Hely Andrade, Accounting Technician, to attend training course for timekeepers at the SI Payroll Office.
- Apr 10-early Jun, Egbert Leigh, Scientific Staff, on his annual seminar tour to various universities around the U.S.
- Apr 10-13, Haris Lessios and Eldredge Bermingham Apr 10-15 for Washington D.C. to attend the review meetings for the Plant Physiology and Molecular Biology Fellowships.

Published weekly by the
STRI Office of Education
and Conservation, Tupper Center

Supervisor: Georgina de Alba
General Editor: Argelis Román
Associate Editor: María Luz Calderón
Editorial Assistant: Marissa Crespo



March 27 marked the first anniversary of the dedication of STRI's Earl Silas Tupper Research and Conference Center. This new center has contributed significantly to promote STRI activities in the Panamanian community. In the photo, Glen Tupper (center), one of the center's benefactors, talks to guests during the inauguration ceremony ••• El 27 de marzo se cumplió el primer aniversario de la inauguración del Centro de Investigaciones y Conferencias Earl Silas Tupper. Este nuevo Centro ha contribuido significativamente a promover las actividades del STRI en la comunidad panameña. En la foto, Glen Tupper (centro), uno de los benefactores del Centro, conversa con invitados a la ceremonia de inauguración el año pasado.

(Foto: A. Caballero)

THINGS YOU SHOULD KNOW

Reminder

The STRI Scientific Staff Meeting will take place this Tuesday, Apr 9, at 9:30 a.m. in the Tupper Center Meeting Room.

From the Office of Personnel

In addition to the computer courses that will be offered to the employees, sessions on the following subjects have been scheduled:

Programa de Riesgos Profesionales
Aspectos Nutricionales de la Economía Familiar
Economía Familiar

These presentations will be in Spanish and will run from 10:30 a.m. to 12:00 noon, on dates to be determined after a group has been set up. If interested in attending, consult with your supervisor.

ANNOUNCEMENTS

New Arrivals at STRI Mini-Bookstore

Climate and Moisture Variability in a Tropical Forest: Long-term Records from Barro Colorado Island, Panama. Donald Windsor, \$5.00.

Guía para el Estudio de los Macroinvertebrados Acuáticos del Departamento de Antioquía. Gabriel Roldán Pérez, \$12.50.

Assistants Available

Thomas Rippetoe is seeking a position as a paid field assistant or volunteer with room and board compensation. He is a first year Master's student in the Marine-Estuarine-Environmental Sciences Program at the University of Maryland, Chesapeake Biological Laboratory. His work experience includes a volunteer position in the summer of 1990 with the U.S. Fish and Wildlife Service in King Solomon, Alaska. Skills learned include sonar calibrations, gill netting, small boats operations, electroshocking, angling and general field camp maintenance. During the summer of 1989 he was enrolled as a student at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi. Extensive work was done sampling the invertebrates of the Mississippi Sound and its salt marshes. Mr. Rippetoe has Open Water and Scuba certifications, as well as CPR and first aid training. He is available to work after June 1, 1991. If interested contact him at: Chesapeake Biological Laboratory, P.O. Box 38, Solomon, Md., 20688 or at (301) 326-4281.

Kelly Passek, sophomore from Canisius College, is interested in pursuing a career in animal behavior and would like to become involved with a research team as a research assistant or volunteer for one month this summer. Ms. Passek is currently receiving funds from Canisius College Dana Earnings in Excellence Grant Program to work as research assistant for Dr. Michael Noonan on studies of asymmetries and inter-hemispheric communications in the brain of the rat. If interested please call (716) - 881-1691, or write to: 26 Manchester Place, Buffalo, NY 14213.

April Birthdays at STRI

Nelson Hernández	1
Diomedes Abrego	1
Victoria Batista	2
Arcadio Rodaniche	2
Neal G. Smith	3
Mercedes Arosemena	3
Miguel Estribí	6
Dolores Piperno	7
Gabriel Martínez	9
Efraín Domínguez	12
América Staff	14
Ismael González	23
Brian Keller	26
Marcos Guerra	27
Pedro González	29



Equipo de Fútbol de BCI

A todos los interesados en participar en el equipo de fútbol de BCI, pueden anotarse llamando al 52-2124, Maritza Cárdenas o José Sánchez, BCI. Las prácticas se realizarán en Gamboa y son obligatorias.

For Sale ••• Se Vende

Se vende moto Honda 500XLS (todo terreno) como nueva, recién pintada y revisión completa. \$1,350 (negociable). Los interesados favor contactar a Eddar Brunetti al 32-6160 en la noche.

TRAINING

Curso Corto del CATIE

Preparación, Transporte y Preservación de Especímenes de Insectos.

Objetivo: El curso prepara al personal vinculado al mantenimiento de colecciones de referencia sobre cómo preparar, transportar, enviar y preservar especímenes de insectos.

Tópicos: Colecciones de referencia, procesamiento y envío de muestras; etiquetado de especímenes; montaje de insectos en alfiler, en alcohol y en portaobjetos; preparación de formas específicas y empaques para el envío de muestras.

Profesor encargado: Ing. Agr. Daniel Coto

Duración: 3 días

Cupo: 8-12 participantes

Fecha: A programarse a solicitud en 1991

Dirección: CATIE, Turrialba, Costa Rica

Symposium on Environmental Changes and their Ecological Effects

This symposium is being organized and sponsored by the Chinese Committee of Scientific Committee on Problems of the Environment (SCOPE), China Association for Science and Technology (CAST), to be held on October 22-25, 1991 in Beijing, China.

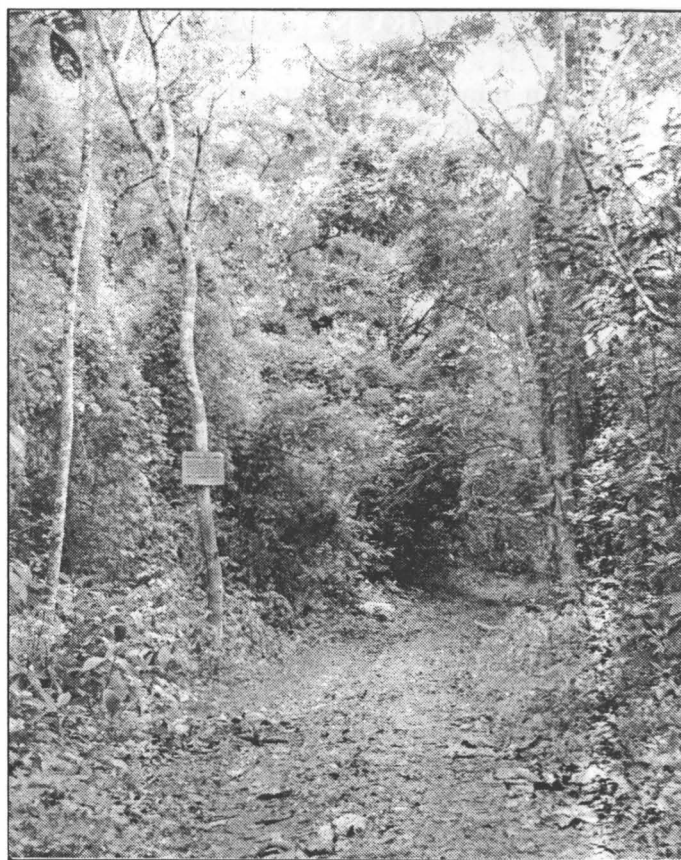
During the event the impacts of environmental changes on different ecosystems and some strategic protection counter measures for sustainable development, particularly in China and Asia, will be discussed.

An abstract of one page should be submitted to the Secretariat before May 15, 1991. The fee for registration is \$2,000, including book of abstracts, materials, reception and bus transportation.

For further information please contact: Prof. Liu Jingyi, P.O. Box 934, Beijing 100083, China. Tel: 86-1-284946. Fax: 86-1-2562389.

STRI NEW PUBLICATIONS

- Blest, A.D., O'Carroll, D.C. and Carter, Margrit. 1990. "Comparative Ultrastructure of Layer I Receptor Mosaics in Principal Eyes of Jumping Spiders: the Evolution of Regular Arrays of Light Guides." *Cell and Tissue Research* 262: 445-460.
- DeVries, Philip J. 1990. "Enhancement of Symbioses Between Butterfly Caterpillars and Ants by Vibrational Communication." *Science* 248: 1104-1106.
- DeVries, Philip J. and Stiles, F.G. 1990. "Attraction to Pyrrolizidine Alkaloid Seeking Lepidoptera to *Epidendrum paniculatum* Orchids." *Biotropica* 22(3): 290-297.
- Forget, Pierre Michel. 1990. "Seed-Dispersal of *Vouacoupa americana* (Caesalpiniaceae) by Caviomorph Rodents in French Guiana." *Journal of Tropical Ecology* 6: 459-468.
- Hagen, Joel B. 1990. "Problems in the Institutionalization of Tropical Biology: The Case of the Barro Colorado Island Biological Laboratory." *Hist. Phil. Life Sci.* 12: 225-247.
- Heyer, W. Ronald, Rand, A. Stanley, Gonçalves da Cruz, Peixoto, Oswaldo L. and Nelson, Craig E. 1990. *Arquivos de Zoologia (Museu de Zoologia da Universidade de Sao Paulo)* 31(4): 231-410.
- Manasse, Robin S. 1990. "Seed Size and Habitat Effects on the Water-Dispersed Perennial, *Crinum erubescens* (Amaryllidaceae)." *American Journal of Botany* 77(10): 1336-1341.
- Wcislo, William T. 1990. "A New Species of *Lasioglossum* from Costa Rica (Hymenoptera: Halictidae)." *Journal of the Kansas Entomological Society* 63(3): 450-453.



Environmental education in Panama's protected areas are progressing. Campana National Park will soon join BCI, Soberanía, Chagres, Parque Metropolitano and Nusagandi, with its own nature trail. This activity is being coordinated by Mireya Correa and Noris Salazar, STRI and University of Panama researchers ••• Las actividades de educación ambiental en las áreas protegidas de Panamá van en aumento. El Parque Nacional Campana pronto se unirá a Barro Colorado, Soberanía, Chagres, Parque Metropolitano y Nusagandi, con su propio sendero natural. Esta actividad la coordinan Mireya Correa y Noris Salazar, ambas investigadoras del STRI y la Universidad de Panamá.

(Foto: M. Correa)

FROM OTHER SOURCES

Fish-skin Leather

From *Glamour Magazine*

The newest wave in leather is coming from the sea. Recent innovations in tanning have enabled companies to produce beautifully colored and textured fish skins that are as durable as animal hides. "Fish is the raw material of the future", says Jeffrey Erexson, President of Ocean Leathers. His company offers butterfly fish, grouper, salmon, carp and perch in a variety of finishes. The skins, by products of the food industry, are being sold to manufacturers for use in clothing, swimwear, shoes and accessories. Seattle designer Paul Williams is enthusiastic: "In my mind, much of the appeal is that it's ecologically sound. But customers are also interested in the look."

STRI LIBRARY NEW BOOKS

Caracterización mineralógica y origen probable de la bentonita de Bañado de Medina, Fm Yaguari, Ps. (I. Ford & M. Sergio, 1989) **QE471.15.B4F69 1989 STRI.**

Contribution á l'étude de la faune des eaux douces au Sénégal (Entomostracés) (H. Gauthier, 1951)
QL141.G3Z STRI.

The Cretaceous/Tertiary boundary interval, Raton Basin, Colorado and New Mexico, and its content of shock-metamorphosed minerals: evidence relevant to the K/T boundary impact-extinction theory (GL Itzett, 1990)
QE689.I94 1990X STRI.

Entoprocts: keys and notes for the identification of the species (C. Nielsen, 1989) **QL400.4.A1N66 1989 STRI.**

Explotación de bosques tropicales (JC Centeno, 1988)
SD247.C397 1988 STRI.

Final report of the International Workshop "Long-Term Ecological Research: a global perspective", September 18th-22nd, 1988, Berchtesgaden, Federal Republic of Germany
QH540.F491 1988 STRI.

Foraminiferal and coralline barium as paleoceanographic tracers (DW Lea, 1989) **GC116.L43 1989 STRI.**

Identificación de los Anopluros de Panamá (E. Méndez, 1990) **QL570.22.P2M53 1990 STRI.**

Impact of oil on the marine environment (IMCO/FAO/Unesco/WMO/WHO/IAEA/UN Joint Group of Experts on the Scientific Aspects of Marine Pollution (GESAMP), 1977) **QH545.O5I32 STRI.**

Life and death in the Permo-Triassic: the fortunes of the dicynodont mammal-like reptiles (GM King, 1990)
QE862.D5K52 1990 STRI.

Lista anotada de las plantas del Departamento del Chocó, Colombia (E. Forero & AH Gentry, 1989)
QK265.F715 1989 STRI.

Marine and brackish water ostracods (superfamilies Cypridacea and Cytheraceae): keys and notes for the identification of the species (J. Athersuch, DJ Horne, and JE Whittaker, 1989) **QL444.O8A86 1989 STRI.**

New perspectives in sponge biology: Third International Conference on the Biology of Sponges, convened by Klaus Rutzler and Willard D. Hartman, Woods Hole, Massachusetts, 17-23 November 1985/Edited by Klaus Rutzler in cooperation with Venka Victoria Macintyre and Kathleen T. Smith (International Conference on the Biology of Sponges (3rd: 1985: Woods Hole, Mass., 1991)
QL371.I57 1985X STRI.

Recent corals of the Marshall Islands (JW Wells, 1954)
QL377.C5W454 STRI.

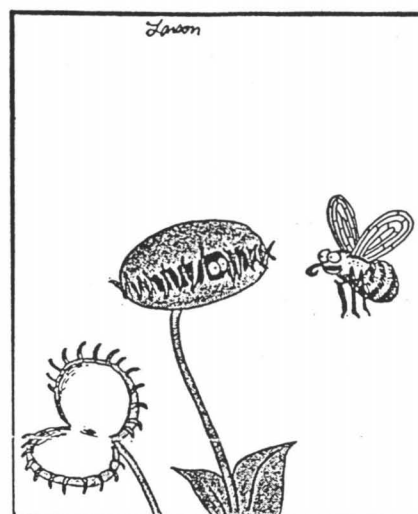
Recientes avances sobre la geología del cinturón orogénico moderno (1.000-500 m.a.) en Uruguay (J. Bossi, 1989)
QE621.5.U8B74 1989 STRI.

Le Zone umide "minori" italiane come habitat per i beccaccini: situazione e prospettive (R. Massoli-Novelli, 1989)
QL696.C48M33 1989X STRI.

From: **365 Ways to save our planet** •
Page-a-day calendar

• **OPEN WITH CARE** •

Go easy with that letter opener. All kinds of mailing tubes, envelopes and shippers are perfectly good after one use. Open carefully, put on fresh stamps and address labels, and cut waste just that much.



"I don't mean to be callous, Earl, but can I have your stereo?"