

# STRI newsletter

November 4, 1994

SMITHSONIAN TROPICAL RESEARCH INSTITUTE - Apartado 2072, Balboa, Panamá

No. 43

## TUPPER CENTER SEMINARS

Tuesday, Nov 8, noon seminar speaker will be Astrid Caldas, Universidade do Estado do Rio de Janeiro

*Intraspecific Variation of Anaea ryphea and Anaea eurypyle (Lepidoptera: Nymphalidae) and More*

### Abstract

*A. ryphea* occurs from Mexico to Southern Brazil and shows great variation in color and shape in the wings of males, but not females. Similar variation occurs in *A. eurypyle*, a related species which has much the same range but apparently absent from Panama. Analysis of characters and ecological data indicated that many statements in the literature refer to random variation and/or biased samples. Most characters vary similarly and continually in both species, and none can be taken as definitely distinguishing them. Moreover, *A. ryphea* in Panama has characteristics of both species.

## BAMBI SEMINAR

Thursday, November 10, Bambi seminar speaker will be Beth King

*The Forest Speaks: A Roundtable on the Proposed Exhibit for the Old Dining Hall*

Please arrange transportation with BCI.

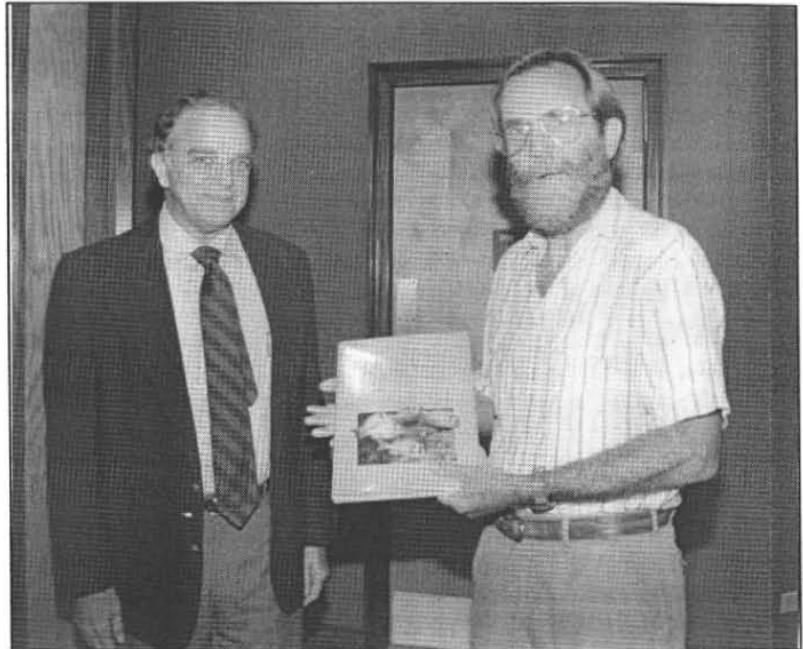
## PEOPLE

### Arrivals

- Elisabeth Kalko, STRI Research Affiliate from the NMNH, Nov 10-12 Apr, to continue studies on the echolocation and foraging behavior of neotropical bats, on BCI.
- Eve MacIntyre, designer, Nov 6-13 and Diana Cohen, editor, Nov 4-14, SI Office of Exhibit Central, to work with local team on development of Culebra Exhibit.

### Reminder ••• Recorderis

Friday, November 11 is Veterans' Day and a Holiday for STRI ••• *El viernes 11 de noviembre se conmemora el Día de Veteranos en los Estados Unidos y es un día libre para STRI.*



D. Ross Robertson presented Ira Rubinoff and members of the STRI staff the new book "Fishes of the Tropical Eastern Pacific" which he co-authored with Gerald R. Allen, on Fri, Oct 28, at the Tupper Center Conference Hall ••• D. Ross Robertson presentó a Ira Rubinoff y a miembros del personal de STRI el nuevo libro "Fishes of the Tropical Eastern Pacific", producto de su trabajo con Gerald R. Allen, el viernes 28 de octubre en el Salón de Conferencias del Centro Tupper. (Foto: M.A. Guerra)

- Lisa Petit from the Smithsonian Migratory Bird Center and Daniel Petit from the Smithsonian Environmental Research Center, Nov 10-26, to study the impacts of land use on neotropical migratory birds wintering in Panama and the stability of tropical forests and tropical forest fauna on military installations of the Panama Canal Area.
- Daniel Christian, University of Arkansas, Nov 10-26, to work with Lisa and Daniel Petit.
- Scott Comings, Megan Grady, Megan Whitman, Hugh Powell and Allan William, Smithsonian Migratory Bird Center, Nov 10-26, to work with Lisa and Daniel Petit.

### Departures

- Joe Wright, Nov 9-15, to Sarasota, Florida, to attend the "Canopy Symposium."

### At the Pre-Summit of the Americas

Stanley Heckadon-Moreno was selected by the North South Center of the University of Miami, as moderator for the work group on "Poverty, Basic Human Needs and Sustainable Development" which is contributing to establish the agenda for the forthcoming Presidential Summit of the Americas, to be held in Miami, in December 1994.



Carlos Urbina (left) and Mercedes Arroyo (right) presented Fernando Oglivie and Ricardo Gómez "Spot Cash Awards" last week, for Personal Recognition for Ingenuity, Drive and Excellence (PRIDE Awards). Oglivie was awarded for changing the accounting supporting document file system to make it more handy and Gómez was recognized for always taking that "extra step" in customs clearance matters ••• Carlos Urbina (izq) y Mercedes Arroyo (der) entregaron a Fernando Oglivie y a Ricardo Gómez respectivamente un "Premio en Efectivo al Instante" la semana pasada en reconocimiento por su ingenio, disposición y excelencia ("PRIDE Awards"). Oglivie fue premiado por cambiar el sistema de archivo de los documentos de apoyo en la Oficina de Contabilidad, y Gómez por hacer siempre ese "esfuerzo extra" en los asuntos aduaneros.

(Fotos: M.A. Guerra)

## THINGS YOU SHOULD KNOW

### At the Tupper Center

- Mon, Nov 7 ■ Culebra Meeting, SMR, 8am
- Tue, Nov 8 ■ Noon seminar by Astrid Caldas
- Culebra Meeting, AUD, 12 noon
- Scientific Staff Meeting, LMR, 1:30pm
- Wed, Nov 9 ■ Culebra Meeting, SMR/LMR, 8am
- Tupper Scientific Support Staff Meeting, Exhibit Hall, 9am.
- American Society, CH, 6pm.

### At the Culebra Marine Reserve

- Tue, Nov 8 Escuela Don Bosco
- Wed, Nov 9 Facultad de Arquitectura, Univ. de Panamá
- Thu, Nov 10 Instituto Enrico Fermi
- Sat, Nov 12 Colegio Pedro Pablo Sánchez

### At the Barro Colorado Island Station

- Sat, Nov 5 Colegio Alfredo Canton
- Tue, Nov 8 Sergesa-Ecoturismo

### Steve Paton's Extension Number

Steve's extension number at the Tupper Center changed from 289 to 290.

## POSITIONS AVAILABLE

### CIMMYT

The Board of Trustees of the International Maize and Wheat Improvement Center (known by its Spanish acronym, CIMMYT) invites nominations and applications for the position of Director General. CIMMYT is a global leader in scientific research and training on maize and wheat, focusing on the needs of the poor in developing countries. CIMMYT generates improved maize and wheat germplasm, as well as other technologies that increase agricultural productivity and preserve the natural resource base. These activities are conducted in collaboration with national agricultural research systems, nongovernmental organizations, and private companies around the world. The Director General manages a total budget

of US\$32 million, and is responsible for leading the work of 100 internationally recruited scientists and about 800 national support staff, based at CIMMYT headquarters near Mexico City and in 15 regional offices in Asia, Africa, the Middle East, and Latin America. The position requires an experienced professional with a broad understanding of the biological and social sciences, and an established reputation in managing scientific research. The Director General's term is five years, once renewable, with an internationally competitive salary and benefits package. Female candidates are encouraged to apply. Please send nominations with candidate's address and fax number (and curriculum vitae if possible) or applications (with c.v. and names, addresses, phone and fax numbers of three references) to Dr. Burton Matthews, CIMMYT DG Search Committee, Department of Geography, Isaiah Bowman Building, University of Waterloo, Waterloo, Ontario N2L 3G1 Canada • Tel: (519)885-1211 ext 6016 • Fax (519)746-0658. More details from the above address.

#### Postdoctoral Research Associate

The Sustainable Biosphere Project (SBP), under the auspices of the Scientific Committee on Problems in the Environment (SCOPE) is a worldwide project to discover and recommend practices and policies leading to sustainable management and use of natural resources. The SBP is seeking a Research Associate for one of its first case studies: the Amazon Basin. The Research Associate will be responsible with many aspects of its implementation, including assisting with the conceptualization of the case study, identification of the international participants, conduct of workshops and completion of the products from each workshop. Candidates must have a Ph.D. in a relevant science to the SBP and will have conducted research in a topic associated with the issues of sustainability of natural resources. The SBP Office is located at the Oregon State University. Travel will be part of responsibilities. Salary in the range of \$25,000-



*Maestros de escuelas de zonas costeras de las provincias de Panamá y Colón dramatizan el concepto de la cadena alimenticia a través de un juego que explica la sobre-explotación de los recursos marinos en los manglares, durante una reunión de evaluación y seguimiento del I Seminario de Educación Ambiental Marino llevado a cabo del 10-12 de marzo de 1993, el viernes 28 de octubre en el Salón de Exhibiciones del Centro Tupper.*

(Foto: M.A. Guerra)

-27,000. For additional information contact Karla Alderman at (503)737-5363 or E-mail [aldermak@bcc.orst.edu](mailto:aldermak@bcc.orst.edu). Applicants should send a statement of interest letter, a c.v., and the names of four references to Dr. Jane Lubchenco, Department of Zoology, Oregon State University, Cordley Hall 3029, Corvallis, OR 97331-2914.

#### NEW STRI PUBLICATIONS

- Correa, Mireya D. and Peralta, Claudia de. 1994. "Manual de Laboratorio de Biología 121: Botánica I. Panamá: Universidad de Panamá.
- Eberhard, William G. 1993. "Copulatory Courtship and Genital Mechanics of Three Species of *Macrodactylus* (Coleoptera: Sacrabaeidae: Melolonthinae)." *Ethology Ecology and Evolution* 5: 19-63.
- Gilbert, Gregory S., Hubbell, Stephen P. and Foster, Robin B. 1994. "Density and Distance-to-Adult Effects of a Canker Disease of Trees in a Moist Tropical Forest." *Oecologia* 98: 100-108.
- Kwiecinski, B., Garcés B., H. and D'Croze, Luis. 1994. "Calidad de los Sedimentos." *Scientia (Panamá)* 8(2): 50-59.
- Roubik, David W. 1994. "Ants, Wasps and Bees." In: *Belalong: A Tropical Rainforest*: 248-252, edited by Earl of Cranbrook and David S. Edwards. London: The Royal Geographical Society.

- Suka, T., Inoue, T. and Roubik, David W. 1994. "Worker Oviposition and Kin Recognition of the Stingless Bee *Scaptotrigona barrocoloradensis*." [Abstract]. In: *Les Insectes Sociaux 12th Congress of the International Union for the Study of Social Insects IUSI*: 338, edited by Alain Lenoir, Gérard Arnold and Michel Lepage. Paris: Publications Université Paris Nord.
- Sweatman, H. and Robertson, D. Ross. 1994. "Grazing Halos and Predation on Juvenile Caribbean Surgeonfishes." *Marine Ecology Progress Series* 111: 1-6.
- West, S.A. and Herre, E. Allen. 1994. "The Ecology of the New World Fig Parasitizing Wasps Idarnes and Implications for the Evolution of the Fig-Pollinator Mutualism." *Proceedings of the Royal Society of London Series B* 258: 67-72.
- Zotz, Gerhard and Winter, Klaus. 1993. "Short-Term Regulation of Crassulacean Acid Metabolism in a Tropical Hemiepiphyte, *Clusia uvitana*." *Plant Physiologist* 102: 835-841.
- Feeding ecology of fish / SD Gerking.  
QL639.1.G47 1994X STRI.
- Flowers of Annonaceae: morphology, classification, and evolution / ECH van Heusden.  
QK495.A6H59 1992 STRI.
- Handbook of the Birds of Europe, the Middle East and North Africa. The Birds of the Western Palearctic, Vol.VIII: Crows to finches / S.Cramp & CM Perrins, eds.  
Ref QL679.H236 v.8 STRI.
- Hymenoptera of the world: an identification guide to families / edited by Henri Goulet & JT Huber.  
Ref QL566.H95 1993X STRI.
- The Insect and spider collections of the world / RG Arnett, Jr. et al.  
Ref QL468.2.A76 1993X STRI.
- Kalinga ethnoarchaeology: expanding archaeological method and theory / edited by WA Longacre & JM Skibo.  
DS666.K3K35 1994X STRI.
- Monitoring vegetation changes in conservation management of forests / R.Ferris-Kaan & GS Patterson.  
SD387.S73F47 1992 STRI.
- Native Colombian orchids, Vol.5: supplement AA-Lepanthes / edited by Rodrigo Escobar R.  
Ref qQR495.O64N29 1990X v.5 STRI.
- Paracas art & architecture: object and context in south coastal Peru / edited by Anne Paul.  
F3429.1.P25P37 1991X STRI.
- Patterns of hydraulic architecture and water relations of two tropical canopy trees with contrasting leaf phenologies: *Ochroma pyramidale* and *Pseudobombax septenatum* / José Luis Machado.  
QK493.5.M15 1993 STRI.
- Quantitative ecology: spatial and temporal scaling / DC Schneider.  
QH541.15.M34S36 1994X STRI.
- Quaternary insects and their environments / SA Elias.  
QE831.E45 1994X STRI.
- Traité de zoologie: anatomie, systématique, biologie, Tome VII: Crustacés, Fascicule 1: Morphologie, physiologie, reproduction, systématique / Pierre-P. Grassé.  
Ref QL45.T7X STRI.
- The Useful plants of West Tropical Africa, Vol.2: families E-1 / HM Burkill.  
QK393.H97d 1985 v.2 STRI.
- Woodlice: keys and notes for identification of the species / PG Oliver & CJ Meechan.QL444.M34O48 1993 STRI.

### NEW STRI BOOKLIST

Arena birds: sexual selection and behavior /PA Johnsgard. QL698.3.J64 1994X STRI.

The Bee genera of North and Central America (Hymenoptera: Apoidea) / CD Michener et al. QL567.1.A1M53 1994X STRI.

Biodiversity prospecting: using genetic resources for sustainable development / WV Reid et al. QH75.B57 1993X STRI.

Biological nomenclature / Charles Jeffrey. Ref QH83.J43 1989Y STRI.

Biology, status, and management of the timber Rattlesnake (*Crotalus horridus*): a guide for conservation / WS Brown. QL666.O69B88 1993 STRI.

Coastal shrimps and prawns / G. Smaldon [second ed., rev. & enlarged by LB Holthuis & CHJM Fransen] QL444.M33S63 1993 STRI.

Common dung beetles in pastures of south-eastern Australia / M.Tyndale-Biscoe. QL596.S3T96 1990X STRI.

Dean of the birdwatchers: a biography of Ludlow Griscom / WE Davis, Jr. QL31.G737D38 1994X STRI.

Diversity and evolutionary biology of tropical flowers / PK Endress. QK653.E57 1994X STRI.

The Evolution of insect flight / AK Brodsky. QL496.7.B76 1994X STRI.