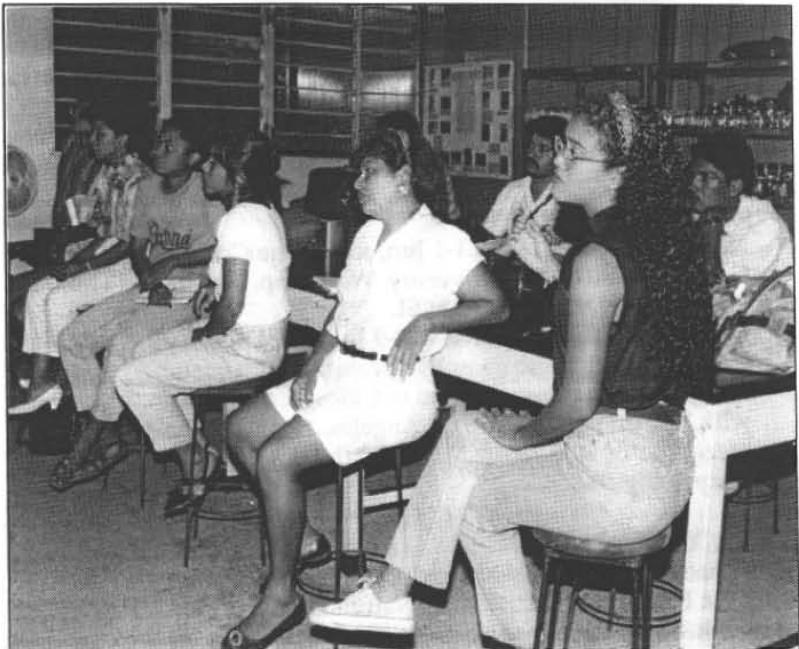


STRI newsletter

May 21, 1994

SMITHSONIAN TROPICAL RESEARCH INSTITUTE - Apartado 2072, Balboa, Panamá

No. 19



On Thu, May 12, Robin Foster gave a talk on Tropical Rainforests to students enrolled in the Master's program on Scientific Education at the University of Panama, as part of the Tropical Biodiversity course. Professors and students from the Botany Department also attended the conference ••• El jueves 12 de mayo, Robin Foster dictó una conferencia sobre el Bosque Húmedo Tropical a estudiantes matriculados en el programa de maestría en Educación Científica de la Universidad de Panamá. La charla fue una colaboración al curso de Biodiversidad Tropical, y asistieron estudiantes y profesores del Departamento de Botánica.

(Fotos: Mireya Correa)

TUPPER CENTER SEMINARS

Tue, May 24, noon seminar speaker will be David Stoms, University of California, Department of Geography

Beyond the Traditional Vegetation Map: Towards a Biodiversity Database

PEOPLE

Arrivals

- Gregory Adler, University of Wisconsin, May 20-15 Aug, to carry out an experimental study on the population limitation in a tropical fruit-eating rodent, on a Scholarly Studies Grant, at Gamboa.
- David Stoms, University of California at Santa Barbara, May 22-27, to visit STRI and consult with the CTFS staff.

- Lila Fishman, Princeton University, May 22-15 Aug, to study the evolution of self-fertilization in populations of a *Psychotria*: the role of pollen limitation and inbreeding depression, at Gamboa and BCI.
- Christine Caruso, Illinois Natural History Survey, May 22-15 Jun, to work with Tara and Douglas Robinson, on the mainland.
- Alan Gillogly, Short-term fellow from Texas A & M University, May 22-21 Aug, to study the acoustical communication and zoogeography of the Panamanian *Passalidae* (Insecta: Coleoptera), at Tupper.
- Fred Andrews and Arthur Gilbert, California Department of Food and Agriculture, May 22-11 Jun, to make systematic studies on the Lathridiidae and Chrysomelidae of Panama, at Tupper.
- Norman Smith, R. Kassabian and Dale Mitchell, Fresno County Department of Agriculture, CA, May 22-4 Jun, to document species distribution, life histories, and habitat affinities of Panamanian Saturniidae and other associated insect taxa, at Tupper.
- Shelly Rodriguez, University of Texas and Zaida Tarano, Universidad Central de Venezuela, Smithsonian interns, May 22-15 Aug, to work with A. Stanley Rand, at Gamboa.
- John Skillman, Duke University, May 23-Sep '95, to study the photosynthetic responses of rainforest understory plants, on BCI.
- Robert Dudley, University of Texas, May 26-30 Jun, to study the ecophysiology of butterfly migrations in Central Panama, on BCI.

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- Tag Engstrom and Robyn Landrum, Florida Marine Research Institute, May 26-31 Jul, to work with Anne Meylan, on the ecology and migration of marine turtles of Bocas del Toro, at Bocas.
- Michael Kaspari, Lawrence Livermore National Laboratory, May 27-27 Jul, to study the climate, bodysize and the distribution of ant diversity, on BCI.

Departures

- Nancy Knowlton, May 21-1 Jun, to Orange County, CA, to attend the Biodiversity Workshop, and to Washington D.C. to work at SI.
- Eldredge Bermingham, May 22-9 Jun, to Monterrey CA, to present a lecture at the Evolution of Aquatic Ecosystems Symposium, then to Chicago, to consult with Jeff Brawn and to Los Angeles, to attend the meetings of the Society of Ichthyologists and Herpetologists.

Thank You Note

Karl Baadsvik, Elvin roskaft and Odd Terje Sandlund from the Norwegian Institute for Nature Research wish to thank all STRI personnel who made their trip to Panama "immensely exiting as well as socially very pleasant.

Congratulations!

To Douglas Emlen and Kerry Bright who will 'Tie the Knot' at Sunset Arizona, on Sunday, May 22.

Pronta Recuperación

- A Vielka Vergel, quien fue operada el martes 17, en la Clínica San Fernando, por una ligera dolencia.
- A Lazlo Vegh, quien se encuentra en recuperación de un derrame. Sus amigos pueden encontrarlo en casa, tel. 31-5652.

Nuestras Condolencias

- To Salvatore and Maria Morello, for the death of Sal's mother, which occurred on Tue, May 17, at San Francisco, CA.

THINGS YOU SHOULD KNOW**Visits to Pipeline Road**

The Director of Parque Nacional Soberanía has reported that the game wardens have encountered people on Pipeline Road that do not have the necessary permit. Anyone who wants to go to Pipeline Road, as a visitor only, can do so by contacting the IN.RE.NA.RE office in Gamboa, tel. 56-6370, Mon-Fri, 8:30am-4:30pm. They will

then issue a visiting permit and lend a key to the gate to Pipeline Road. If you plan to do research and/or collection in that area, or any other protected area in Panama, outside the Barro Colorado Nature Monument, you must apply for an IN.RE.NA.RE. research or collecting permit. If you are a STRI sponsored visitor, this is done through the Visitor Services Office.

At the Tupper Center

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| Tue, May 24 | Noon seminar by David Stoms, AUD. |
| Thu, May 26 | General Scientific Support Staff Meeting, Large Meeting Room, 1:30pm. |
| Sat, May 28 | Gigante Field Course certificate ceremony, Large Meeting Room, 2pm. |

At the Culebra Marine Reserve

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| Tue, May 24 | <i>Centro de Orientación Tu Guía</i> |
| Wed, May 25 | <i>Academia Cristiana Doulos</i> |
| Thu, May 26 | <i>Centro de Orientación Tu Guía</i> |
| Fri, May 27 | Diablo Elementary School |
| Sat, May 28 | <i>Niños "Los Exploradores"</i> |

ANNOUNCEMENTS**New Member at the Office of Education**

Nuevo Miembro en la Oficina de Educación
 Adriana Michelle Bilgray will be the new Educational Technician at the Office of Education starting on Tuesday, May 24. Adriana has a degree in Business Administration from the Universidad Latinoamericana de Ciencia y Tecnología, San José, Costa Rica, and has attended courses on Environmental Education and Translation Techniques. Before coming to STRI she was working as Sales Management Assistant at Compañía Universal de Perfumería Francesa, S.A. We welcome Adriana and wish her all the best in her new position
 ••• *Adriana Michelle Bilgray será la nueva Técnica de Educación en la Oficina de Becas y Educación a partir del martes 24 de mayo. Adriana está graduada en Administración de Empresas de la Universidad Latinoamericana de Ciencia y Tecnología, San José, Costa Rica, y cuenta con cursos en Educación Ambiental y Técnicas de Traducción. Antes de incorporarse a STRI, Adriana trabajaba como Asistente a la Gerencia de Ventas en la Compañía Universal de Perfumería Francesa, S.A. Deseamos darle una calurosa bienvenida a Adriana Michelle y desearle el mayor de los éxitos en su nueva posición.*

New Conference

Paul Colinvaux gave the address at the Annual Meeting of the Women's Board of the Field Museum in Chicago on Wed, May 11. The title of the conference was "From Bering Land Bridge to Amazon Basin".

Thrift Savings Plan Open Season

The Thrift Savings Plan open season started May 15 and will end on July 31, 1994. For eligible employees, this is a chance to start or change contributions to TSP accounts. Summary books and supply of TSP forms will be received in the Office of Human Resources shortly. For information, call Carmen Sucre at ext. 223 or 27-3174.

gram will promote research to enhance the quality and vitality of professional discourse in the field. It encompasses all categories of education supported by the SI: museum programs; resources and services for schools and families; museum relations with universities and allied institutions; continuing education and life-long learning; museological studies, educational theory and practice. Funding: Up to three awards of \$5,000. Closing date for submitting proposals: May 30, 1994. More information at the STRI Office of Education, Tupper Center.

TRAINING OPPORTUNITIES**Maestría en Economía del Medio Ambiente y Recursos Naturales**

La Facultad de Economía de la Universidad de los Andes de Colombia y el Departamento de Economía Agrícola y Recursos Naturales de la Universidad de Maryland de Estados Unidos iniciaron a partir de enero de 1994, el "Magister en Economía del Medio Ambiente y Recursos Naturales". El objetivo del "Magister" es ofrecer una formación en teoría económica, orientada hacia el diseño y manejo de las políticas del medio ambiente y recursos naturales en los países latinoamericanos. Los requisitos para la admisión al programa son el dominio del idioma español y capacidad para leer publicaciones en inglés. Poseer título universitario correspondiente a una carrera cuya duración no sea inferior a cuatro años. Cumplir con el formulario de admisión acompañado de los documentos que se solicitan en éste. Dos cartas de recomendación de profesores o superiores en su actividad profesional. El cierre de fecha para admisiones es el 15 de octubre o el 30 de mayo según se desee entrar en el programa en enero o agosto. La Facultad de Economía dispone de algunas becas. Mayor información en la Oficina de Becas y Educación de STRI en el Centro Tupper.

Awards for Research in Museum Education

The Educational Outreach Fund has established a new program of awards for research in museum education. The pro-

POSITIONS AVAILABLE**Técnico Biólogo en STRI**

La Oficina de Recursos Humanos anuncia la posición de Técnico Biólogo (*Biological Technician*) en Naos. La posición incluye trabajo de campo y manejo de computadoras. La persona será responsable de obtener datos sobre organismos marinos en los arrecifes de coral; colectar y procesar muestras de agua; revisar y mantener el equipo usado de campo y bucear SCUBA. Se encargará de entrar datos en las computadoras y usar, desarrollar e instalar programas de estadística y base de datos, y guiar a otros miembros del personal para usarlos. Son requisitos escenciales la certificación y experiencia de buceo SCUBA, uso de computadoras y gráficas; ser biólogo/a preferiblemente marino/a y experiencia en el manejo de botes. Programación y experiencia en la colecta de datos sobre en los arrecifes son deseables. Posición temporal, tiempo completo, \$20,443 anual. La persona ocupará la mitad de su tiempo en trabajo de campo y aproximadamente dos semanas por mes en la estación marina de San Blas. Interesados favor enviar su C.V. con referencias recientes a la Oficina de Recursos Humanos, STRI, tel. 27-3174. Las solicitudes se recibirán hasta el 10 de junio.

Tenure Track, Assistant Professor at Texas A&M

The College of Agriculture and Life Sciences, at Texas A&M University offers a position of Tenure-track, Assistant Professor in the Department of Entomology with joint appointment in the College of Agriculture and Life Sciences and the Texas Agricultural Experiment Station. The candidate must have a Ph.D. in Entomology or related science and expertise in systematic entomology. Training and experience in contemporary systematics research methods is essential. Should have experience with a commitment to collection development to assume curatorship of insect collection. The incumbent will dedicate 33% of his/her time to teach graduate and undergraduate courses and 67% to develop an externally-funded research program in systematic entomology. Preference will be given to a program that is collection-based. The selected candidate is expected to interact with Extension faculty and other applied programs in the department and the Agriculture Program at TAMU, and will assist the systematic group with identifications. Interested must send curriculum vitae, letter of application, reprints and the names and addresses of four references to: Prof. Ray Frisbie, Head, Department of Entomology, Texas A&M University, College Station, Texas 77843-2475. Tel (409)845-2510 • Fax (409)845-6305. Closing date: June 15.

NEW STRI PUBLICATIONS

- Colinvaux, Paul.** 1993. "Pleistocene Biogeography and Diversity in Tropical Forests of South America." In: *Biological Relationships Between Africa and South America*: 473-499, ed. by P. Goldblatt. New Haven, Yale University Press.
- Nedved, Oldrich and Windsor, Donald.** 1994. "Allometry in Sexual Dimorphism of *Stenotarsus rotundus* Arrow (Coleoptera: Endomychidae)." *The Coleopterist Bulletin* 48(1): 51-59.

NEW STRI BOOKLIST

- Amerika: zur entdeckung, kulturpflanzen, Lebensraum regenwald. **QH101.A512 1992 STRI.**
- Biology of northern hemisphere pilot whales: a collection of papers / GP Donovan et al., eds. **QL737.C432B614 1993 STRI.**
- DNA sequencing protocols / HG Griffin & AM Griffin, eds. **QH506.M45 1984X STRI.**
- Directorio de centros de investigación científica y tecnológica en América Latina y el Caribe, España y Portugal. **Ref Q179.98.D59 1990 STRI.**
- Directory of directories on the Internet: a guide to information sources / GB Newby. **Ref TK5105.875.I57N49 1994 STRI.**
- The Ethnobotany of the Waimiri Atroari Indians of Brazil / William Milliken et al. **F2520.1.W34E84 1992 STRI.**
- Everglades: the ecosystem and its restoration / SM Davis & JC Ogden, eds. **QH105.F6E94 1994X STRI.**
- From bones to behavior: ethnoarchaeological and experimental contributions to the interpretation of faunal remains / Jean Hudson, ed. **CC79.5.A5F93 1993 STRI.**
- Gardens of prehistory: the archaeology of settlement agriculture in Greater Mesoamerica / edited by Thomas W. Killion. **E59.A35G37 1992X STRI.**
- Global freshwater quality: a first assessment / edited by Michel Meybeck et al. **TD370.G56 1990X STRI.**
- A Guide to developing financial resources / World Wildlife Fund, Organizational Development Program. **HG177.G84 1993X STRI.**
- An Introduction to the bootstrap / Bradley Efron & RJ Tibshirani. **QA276.8.E3745 1993X STRI.**
- Keeping all the pieces / Whit Gibbons. **QH541.13.G53 1993X STRI.**
- The Lives of birds: birds of the world and their behavior / LL Short. **QL698.3.S48 1993X STRI.**
- Manejo de áreas protegidas en los trópicos. **QH75.M26 S1990 STRI.**
- Origins of plastids: symbiogenesis, prochlorophytes, and the origins of chloroplasts / edited by RA Lewin. **QK725.O74 1993X STRI.**
- Parques naturales europeos / A. Ruiz de Laramendi. **QH77.E85R93 1991 STRI.**
- Plantation politics: forest plantations in development / edited by Caroline Sargent & Stephen Bass. **SD393.P71 1992 STRI.**
- Pulsed field gel electrophoresis: a practical guide / Bruce Birren & Eric Lai. **QP624.B619 1993 STRI.**
- La Selva: ecology and natural history of a neotropical rain forest / edited by LA McDade et al. **QH108.C6S44 1994X STRI.**
- Snakes: ecology and behavior / RA Seigel & JT Collins. **QL666.O6S65 1993X STRI.**
- Las Tortugas continentales de Costa Rica / RA Acuña Mesén. **QL666.C5A18 1993 STRI.**
- Tropical deforestation: small farmers and land clearing in the Ecuadorian Amazon / TK Rudel. **SD418.3.E2R83 1993X STRI.**
- The World of Amazon parrots / Dieter Hoppe. **Ref SF473.P3H6713 1992X STRI.**

MISCELLANEOUS**Lost and Found**

A SLR camera lens was found on the Gamboa Road. Please call Lee Weigt at Naos, Tel. 28-4022 or 25-2518 (home), to reclaim.

Richard Cooke's Telephone Numbers

At Naos Richard Cooke's telephone numbers are 28-4022, 28-4039, 28-6040 and 28-4150, exts. 346 and 347.

Last Minute News

La Universidad Tecnológica de Panamá y Fundación NATURA invitan a la comunidad de STRI a la presentación oficial del libro *Procedimientos de Gestión para el Desarrollo Sustentable* por Axel Dourojeanni, quien ofrecerá una conferencia sobre "Manejo Integrado de los Recursos Naturales y Desarrollo Sustentable", el jueves 26 de mayo a las 10am en el Gran Salón del Hotel Ceasar Park Panamá.