

Tupper seminar

Tue, Jul 2, noon seminar speaker will be Anthony G. Coates, STRI

Current views on the timing/bathymetry of the rise of the Isthmus

Bambi on Monday

Mon, Jul 1, Bambi seminar speaker will be Tony Coates

Techniques used in reconstructing geological time

Arrivals

Rachel Gallery, University of Illinois, Jun 28 - Aug 19, to work with Jim Dalling, on BCI.

Astrid Wonderschmitt, Switzerland, Jun 29 - Aug 4, to work with Oliver Balmer, at Naos and Bocas del Toro.

Kenneth Molen and William Boen, Parataxonomist Training Center in Papua, New Guinea, to work on a crane herbivore project, at Tupper.

Christina Campbell, Santa Monica College, Jun 30 - Jul 14, to conduct a census on BCI monkeys.

Matt Whiles, Southern Illinois University, Jul 1 - 28, to study the influence of amphibian extinction on tropical highland stream structure and function, at different sites.

Peter and Anne Meylan, Eckerd College, Jul 1-23, to study the ecology and migrations of marine turtles in Bocas del Toro Province, Panama.

Christopher Martine, University of Connecticut, Jul 1-11, to study the biogeography of the pantropical genus *Maclura*.



Smithsonian Tropical Research Institute, Panamá

www.stri.org

June 28, 2002

Czech entomologists at Sherman

Entomologists Lukas Cizek and David Hauck from the Czech Republic, colleagues of STRI fellow Yves Basset in the study of vertical gradients of insect diversity in the rain forests: communities of insect herbivores feeding on mature leaves vs. seedlings, are visiting Panama to collect insects at Ft. Sherman and Metropolitan Natural Park this month. In the photo at right, Cizek and Hauck use large nets which extend 3-4m to catch insects in the canopy, on the canopy access crane gondola in Ft. Sherman. Photos below show some of the insects collected by them.



(Photos: Marcos A. Guerra)



Los entomólogos Lukas Cizek y David Hauck de Checoslovaquia, colegas de Yves Basset, becario de STRI en el estudio sobre ascensos verticales en la diversidad de insectos en bosques lluviosos: comunidades de insectos herbívoros en hojas maduras vs. plántones, visitaron Panamá para coleccionar insectos en Ft. Sherman y el Parque Natural Metropolitano este mes. En la foto arriba, izquierda, Cizek y Hauck usan redes que se extienden tres a cuatro metros para coleccionar insectos del dosel, en la góndola de la grúa de acceso al dosel en Ft. Sherman. Las fotos a la izquierda muestran algunos de los insectos coleccionados por ellos.

Entomólogos checos en Sherman

CTFS research grants program

STRI's Center for Tropical Forest Science (CTFS) is offering grants to graduate researchers working directly in a Forest Dynamics Plot (FDP), analyzing data from a plot, or generating complementary data that strengthens FDP research programs. Projects can be field oriented, laboratory-based or analytical. Research projects can be either basic or applied in nature. Social scientists as well as natural scientists are encouraged to apply. The majority of the CTFS Research Grants will be in the \$3,000-15,000 range. A few larger grants, especially for post-doctoral awards, may fund up to \$40,000. Funding is restricted to expenses directly related to field research, laboratory research, and data analysis. Preference will be given to scientists in the countries with CTFS sites and to all graduate and post-doctoral students. For a complete copy of the CTFS add in Word, please e-mail: calderom@tivoli.si.edu



More arrivals

Shine Ling, intern from the University of California at Santa Barbara, Jul 1-Oct 30, to study the detection of *Wolbachia* in cryptic species of fig wasps.

Leah Katz, Colorado State University, Jul 1 - Aug 15, to work with David Logue, at Gamboa.

Victoria Braithwaite, Culum Brown and Felicity Jones, University of Edinburgh, Jul 1-8, to study the variation in learning and memory ability: the role of predation pressure and other ecological variables, at Gamboa.

Ahn-Heum Eom, Kansas State University, to study the Mycorrhizae of BCI, on a Mellon postdoctoral fellowship.

Joseph Bischoff, Rutgers University, NJ, Jul 3-23, to conduct a survey of clavicipitalean fungal pathogens and their impact on ant colony populations in four wet forests in southern Central America, on BCI and Fortuna.

Guillame Delafontaine, NEO fellow from McGill University, Jul 3-20, to the Sardinilla Carbon Project, at Naos.

Bouchra El Omari, intern from University of Barcelona, to study the comparative drought stress physiology of tropical seedlings, on BCI.

Anthony Ranere, Temple University, Jul 3, to conduct analysis of archaeological collections from the Aguadulce shelter, at Naos.

Joni Criswell, short-term fellow from Ohio State University, Jul 5-Sep 15, to study visual and acoustic communication in the Panamanian golden frog, *Atelopus zeteki*.

CTFS está ofreciendo fondos para investigadores graduados para trabajar en una Parcela de Dinámica de Bosques (FDP), para analizar, generar o completar información de la parcela que refuerce los programas de las FDP. Los proyectos pueden ser analíticos, en el campo o laboratorios, de naturaleza básica o aplicada. Científicos sociales y naturales están invitados. La mayoría de estos fondos son de \$3,000 a 15,000. Unos cuantos, para aplicantes de post-gradado podrán ser de hasta \$40,000. Los fondos están restringidos a gastos relacionados con el trabajo de campo, de laboratorio o análisis. Habrá preferencia a científicos en países con parcelas del CTFS y a los aplicantes graduados o de postgrado. Pida el anuncio completo del CTFS en Word a: calderom@tivoli.si.edu

NEO year's courses completed



Bermingham



Laurance

STRI and McGill University graduate studies program Neotropical Environment Option (NEO) recently completed its first courses at STRI.

NEO's educational approach seeks to cultivate a broader

understanding of tropical environmental issues and the development of skills relevant to working in the tropics. STRI scientists Eldredge Bermingham and William F. Laurance taught the first course "Tropical Biology and Conservation" with guest instructors Joe Wright, Rick Condit, Don Windsor, Susan Laurance and Allen Herre, also from the STRI community. The second course, "Foundations of Environmental Politics," was given by Cristián Samper, STRI and Peter Brown and Catherine Potvin, McGill. The seminar on the Widening of the Canal Watershed and presentations by Atencio López from the Biological Corridor, Marisol Dimas, ANAM and consultant Adriana Casas provided the course with specific case studies. The group expressed their satisfaction and challenge with the STRI-McGill experience and specially thanked the administrative personnel at the Tupper Center.

El programa de estudios de postgrado Opción de Ambientes Neotropicales (NEO) de STRI y la Universidad

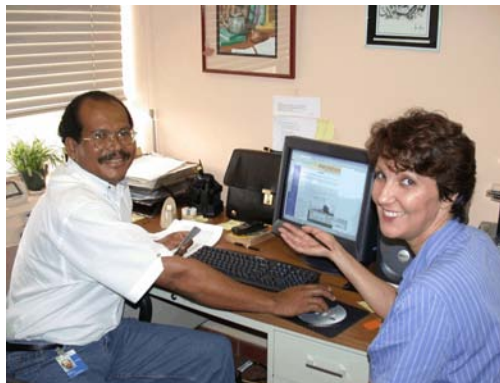
de McGill completó recientemente sus primeros cursos en STRI. El enfoque educativo de NEO facilita una comprensión más amplia de temas ambientales tropicales y el desarrollo de destrezas para trabajar en el trópico. Los científicos de STRI Eldredge Bermingham y William F. Laurance dictaron el primer curso "Biología Tropical y Conservación" con instructores invitados Joe Wright, Rick Condit, Don Windsor, Susan Laurance y Allen Herre, también de la comunidad de STRI. El segundo curso "Bases de las Políticas Ambientales", fue dictado por Cristián Samper de STRI, y Peter Brown y Catherine Potvin de McGill. El seminario sobre la Ampliación de la Cuenca del Canal y presentaciones de Atencio López, Corredor Biológico, Marisol Dinás, ANAM, y la consultora ambiental Adriana Casas ofrecieron al curso casos de estudio específicos. El grupo expresó su satisfacción y el reto de la experiencia STRI-McGill, y agradecieron especialmente al personal administrativo del Centro Tupper.



Samper



Potvin



News from PRORENA

We welcome Emilio Mariscal, who started working at STRI on Monday, June 3, as coordinator of the Native Species Reforestation Project (PRORENA), a STRI, Harvard and Yale project. Mariscal, who has a master's degree in Forest Sciences from Universidade Federal de Vicosa, Brazil, has worked in several positions at ANAM for the last 18 years. He replaces Adriana Sautú, who was awarded a Fulbright fellowship to continue graduate studies at the University of Kentucky. (Photo: CTFS)

Le damos la bienvenida a Emilio Mariscal, quien comenzó a trabajar en STRI el lunes 3 de junio, como coordinador del Proyecto de Reforestación con Especies Nativas (PRORENA), un proyecto de STRI, Harvard y Yale. Mariscal, quien posee una maestría en Ciencias Forestales de la Universidade Federal de Viçosa, Brasil, ha ejercido diferentes cargos en el campo forestal durante 18 años en ANAM. Mariscal reemplaza a Adriana Sautu, quien fue seleccionada para una beca Fulbright con la que continuará sus estudios de postgrado en la Universidad de Kentucky.