

Tupper Seminar

Tuesday, March 28, noon seminar speaker will be Elisabeth Kalko, STRI's staff scientist

Shadows of the night: How bats share time and space in tropical rainforests

Bats are ecologically the most diverse group of mammals in the tropics. In the forest, they render important services as pollinators, seed dispersers and predators. Many bat species are ecologically rather similar and most are rather mobile. Thus, the intriguing question of just how so many species can coexist and of how they might share resources is particularly challenging for bats. The ability to fly, the sophisticated echolocation system for navigation and detection of food, a keen sense of smell, complex social systems, and intricate morphological adaptations all enable bats to use a wide range of resources at night. I will summarize and discuss the results of our ongoing research, shedding some light upon the nighttime forest, and show where the path might lead us next.

Monday's Bambi

Monday, March 27, Bambi seminar speaker will be Charles Handley, SI Museum of Natural History

Where have all the figs gone?

Thursday's Bambi

Thursday, March 30, Bambi seminar speaker will be Tim Pearson, University of Aberdeen

Niche separation in BCI pioneers - germination, establishment, herbivory

Reservations are essential. Early reservations before Wednesday pay \$4. Late reservations pay \$6. Non-STR I people require a permit from the Dredging Division in Gamboa. Call BCI at 272-2124



Smithsonian Tropical Research Institute

March 24, 2000



Secretary Small visits STRI

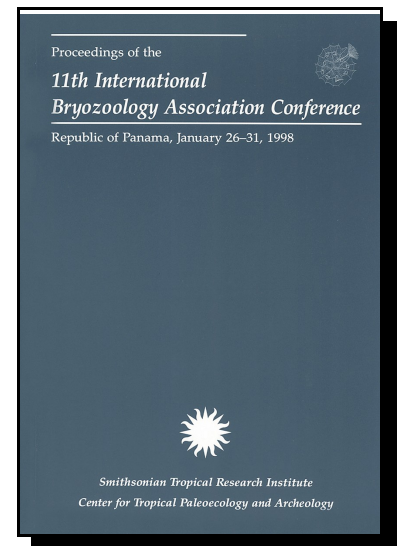
SI Secretary Lawrence Small and wife Sandra Roche Small will arrive in Panama on a visit to STRI from Monday, March 27 through Saturday, April 1. On Monday, March 27, he will address the STRI staff at the Tupper Center Auditorium at 4:30pm. All staff members are welcome to attend if duties permit.

Lawrence Small, nuevo Secretario del Smithsonian viajará a Panamá junto con su esposa Sandra Roche Small para visitar STRI del lunes 27 de marzo al sábado 1ro de abril. El lunes 27 a las 4:30 pm el Secretario Small hablará al personal de STRI en el Auditorio del Centro Tupper. Todos los empleados están invitados a asistir si sus labores se lo permiten.

New book by Amalia Herrera and Jeremy Jackson

The new book *Proceedings of the 11th International Bryozoology Association Conference*, edited by Amalia Herrera Cubilla and Jeremy B.C. Jackson in year 2000, includes articles by participating members of the Conference held at STRI, from January 26-31, 1998. Copies of this new STRI book will be distributed among contributing authors and eventually sold at the STRI mini-bookstore.

El nuevo libro *Proceedings of the 11th International Bryozoology Association Conference* (Memorias de la Décima Primera Conferencia de la Asociación Briozoológica Internacional) editado por Amalia Herrera Cubilla y Jeremy B.C. Jackson, 2000, incluye los artículos de participantes de la Conferencia, que se llevó a cabo en STRI, del 26 al 31 de enero de 1998. Copias del nuevo libro publicado por STRI serán próximamente distribuidas entre los autores participantes y eventualmente puesto a la venta en la Librería de STRI.



Neotropical raptors' center in Panama

The Peregrine Fund—a non-profit organization for conservation—selected Panama to establish a raptors's center for the Americas during a ceremony held on Thursday, March 24, in the presence of a live Harpy Eagle. The new center, to be established in Ft. Clayton under the auspices of the City of Knowledge, will be dedicated to the reproduction, raising in captivity, and release of birds of prey in the forests, and to do research on endangered species. The center will house researchers, field biologists, and local and international students; will have educational programs for the conservation of important habitats, and will provide fellowships for local biologists. Among the reasons to choose Panama for the establishment of this important center among a long list of aspiring countries were the

Arrivals

Seventeen students from OTS, Mar 20-23, to visit BCI as part of a tropical ecology course in Gigante.

John Styrsky, Auburn University, Alabama, Mar 24 - Oct 15, to work with W. Douglas Robinson's project on avian community dynamics, in Gamboa.

Randal Moore, Auburn University, Mar 24 - May 24, to assist W. Douglas Robinson on avian extinction project, in Gigante.

Nathan Phillips, Oregon State University, Mar 25 - Apr 7, to work with Stephen Mulkey and Joe Wright on *Psychotria* and Marantaceae, at Tupper.

Denise Hardesty, University of Georgia, Mar 27 - May 15, to work with Steve Hubbell's project "Dispersal limitation: does it limit the distribution and abundance of pioneers in a neotropical forest?" on BCI and Gigante.

Jeremy B.C. Jackson, Mar 28 - Apr 1, to participate in activities scheduled for the visit of SI Secretary Small.

Robert Robbins, SI National Museum of Natural History, Mar 28 - Apr 11, to do research on genitalic variations of *Calycopsis* butterflies.

Astrid Caldas, University of Maryland, Mar 28 - Apr 11, to study the population structure of *Anaea ryphea*, at Tupper.

Isthmus' strategic location, the closeness of national parks in the Canal watershed, Ft. Clayton's excellent facilities, and the presence of the Smithsonian Tropical Research Institute in Panama. The support of the Patronato del Aguila Harpía, where STRI is member, and from officials at the City of Knowledge, was also instrumental.

Panama será sede para centro de rapaces neotropicales

The Peregrine Fund —organización conservacionista sin fines de lucro— seleccionó a Panamá para establecer su centro de aves de rapiña para las Américas, en ceremonia llevada a cabo ayer, jueves 24 de marzo, que contó con la presencia de un águila harpía. El centro, que estará localizado en Ft. Clayton bajo los auspicios de Ciudad del Saber, se dedicará a la reproducción, cría en cautiverio, liberación de aves en los bosques, e investigación de aves de rapiña en peligro de extinción. El centro contará con investigadores, biólogos de campo y estudiantes locales e internacionales, y además contará con programas de educación pública sobre conservación de hábitats importantes, y ofrecerá becas para estudiantes de la región. Entre las razones para escoger a Panamá como sede de este gran centro, entre una larga lista de países aspirantes, estuvieron: su estratégica ubicación geográfica, las excelentes instalaciones de Clayton, la cercanía de los parques nacionales de la Cuenca del Canal, y la presencia del Smithsonian Tropical Research en Panamá. Así mismo fué de gran importancia el apoyo del Patronato del Aguila Harpía, entre ellos STRI, y el apoyo de los directivos de la Ciudad del Saber.

ARI agradece apoyo de STRI

En memorandum dirigido a Stanley Heckadon con fecha del viernes 17 de marzo, Sayda de Grimaldo del Departamento de Gestión Ambiental de la Dirección de Administración de Bienes Revertidos de la ARI, agradece "por el apoyo recibido por parte de STRI, en la iniciativa de compartir con el personal técnico de la ARI, los aspectos metodológicos y los resultados del Proyecto de Monitoreo de la Cuenca del Canal de Panamá el pasado 16 de marzo en el Centro Tupper."

En el memorandum también se reconoce el interés personal y los esfuerzos que STRI comparte con la ARI en el tema de divulgación de información y en las actividades de conservación de los recursos naturales y la Cuenca del Canal. Finalmente, la nota también agradece a todo el personal del Proyecto de Monitoreo, quienes participaron de manera desinteresada en el desarrollo de la actividad.

Volleyball: resultados preliminares

1er. lugar: STRIKE 2do. lugar: TUPPER
3er. lugar = NAOS 4to. Fundación Natura

Semi-Final: viernes 24 de marzo, 5:30pm

TUPPER v/s NAOS
STRIKE v/s Fundación Natura

New publications

Angehr, George, Auca Chutas, Constantino, Christian, Daniel and Pequeño, Tatiana. 1999. "Birds: biodiversity assessment at the Pagoreni Well site." *Biodiversity Assessment and Monitoring*, SI/MAB series 3: 117-136.

Kiers, E.T., Lovelock, Catherine E. Krueger, E.L. and Herre, E. Allen 2000. "Differential effects of tropical arbuscular mycorrhizal fungal inoculation on root colonization and tree seedling growth: implications for tropical forest diversity." *Ecology Letters* 3(2): 106-113.

King, David A. And Maindonald, John H. 1999. "Tree architecture in relation to leaf dimensions and tree stature in temperate and tropical rain forests". *Journal of Ecology* 87: 1012-1024.

Mangan, S. A., and Adler, Gregory H. 1999. "Consumption of arbuscular mycorrhizal fungi by spiny rats (*Proechimys semispinosus*) in eight isolated populations". *Journal of Tropical Ecology* 15: 779-790

Rand, A. Stanley. 2000. "Frogs: the rainbow connection." *Zoogoer* 29(2): 8-14.

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