

Tupper seminar

Tuesday, July 25, noon seminar speaker will be Lukas Schaerer, University of Pierre and Marie Curie, France
Size-dependent sex allocation in a simultaneous hermaphrodite parasite

Bambi seminar

Thursday, July 27, Bambi seminar speaker will be Allen Herre, STRI
The genetic and environmental basis of coadaptation in figs and fig wasps
Transportation and dinner reservations are essential. Early reservations (before 3:30pm, Wednesday \$4). Late or no reservations \$6. Call BCI at 272/2124. Non-STRI visitors must carry a Panama Canal Dredging Division permit to board the commuting boat in Gamboa. Permits will be obtained at STRI Visitor's Services Office in the Tupper Center, tel. 212-8026

Arrivals

Sandra Correa, intern from Cali, Colombia, July 24, to work with Phyllis Coley on BCI.

Teresa Bradbury, Merle Gwyn and Rachel Slyne, Middlesex University, U.K., Jul 24 - Sep 18, to work with Chris Jiggins on the ecology and genetics of the species boundary in a neotropical butterfly, in Gamboa.



Smithsonian Tropical Research Institute

www.stri.org

Panamá, July 24, 2000

Elektra fellowships for marine studies at STRI



(STRI photo by Marcos A. Guerra)

Elektra general manager Augusto Gerbaud (left) and STRI staff scientist Stanley Heckadon (right) presented four fellowships to do fieldwork in the Galeta Marine Laboratories, on Tuesday, July 4, at The City Club, Panama. The students who were awarded fellowships are Amador Goodridge (second from the left), Universidad Católica Santa María La Antigua (USMA), Aubrey Gilbert, University of Virginia, and Oscar López Chong and Isaias Ramos González, University of Panama. These are the first fellowships awarded by the Elektra Fellowships' Committee, recently established by STRI, Elektra, USMA and the University of Panama, to promote graduate and undergraduate marine biological studies on the Caribbean.

Augusto Gerbaud, gerente general de Elektra (izquierda) y Stanley Heckadon, científico de STRI (derecha) hicieron entrega de cuatro becas para hacer trabajo de campo en los Laboratorios Marinos de Galeta, el martes 4 de julio en The City Club, Panamá. Los ganadores de las becas fueron Amador Goodridge (segundo de izquierda a derecha), Universidad Católica Santa María La Antigua (USMA), Aubrey Gilbert, Universidad de Virginia, y Oscar López Chong e Isaias Ramos González, Universidad de Panamá. Estas becas son las primeras que otorga el Comité de Becas Elektra, recientemente establecido por STRI, Elektra, la USMA y la Universidad de Panamá, para promover estudios de licenciatura y maestría en biología marina en el Mar Caribe de Panamá.

Becas Elektra para estudios marinos en STRI

New STRI publication featured on Science cover

Wilf, Peter, Labandeira, Conrad C., Staines, Charles L., Windsor, Donald M., Allen, Ashley L. and Johnson, Kirk R. "Timing the radiations of leaf beetles: hispines on gingers from latest Cretaceous to recent." *Science* 289(July 14): 291-294.

Cover by Donald M. Windsor: A rolled-leaf hispine beetle (~5 mm long), *Cephaloleia dorsalis*, on a petiole of its host plant, *Costus* sp., in Chiriquí Province, Republic of Panama. *Costus* belongs to the order Zingiberales, consisting of gingers and related plants. Leaf damage inflicted on fossil gingers by ancient relatives of this beetle demonstrates that hispine beetles and their feeding associations with Zingiberales originated before the end of the Age of Dinosaurs.



New STRI publications

Crayn, Darren M., Terry, Randal G., Smith, J, Andrew C., and Winter, Klaus. 2000. "Molecular systematic investigations in Pitcairnioideae (Bromeliaceae) as a basis for understanding the evolution of crassulacean acid metabolism (CAM)." In: *Monocots: Systematics and Evolution*, edited by K.L. Wilson and D.A. Morrison. Melbourne, Australia: CSIRO

Jackson, Jeremy B.C., Todd, Jonathan A., Fortunato, Helena and Jung, Peter. 1999. "Diversity and assemblages of Neogene Caribbean Mollusca of lower Central America." *Bulletins of American Paleontology* 357: 193-230.

James, Sidney H., Keighery, Greg K., Moores, Adrian, and Waycott, Michelle. 1999. "Genomic coalescence in a population of *Laxmannia sessiliflora* (Angiospermae, Anthericaceae): An association of lethal polymorphism, self-pollination and chromosome number reduction." *Heredity* 82(4): 364-372.

Mangan, S. A., and Adler, G.H. 2000. "Consumption of arbuscular mycorrhizal fungi by terrestrial and arboreal small mammals in a Panamanian cloud forest." *Journal of Mammalogy* 81: 563-570.

Nathan, Ran and Müller-Landau, Hélène. 2000. "Spatial patterns of seed dispersal, their determinants and consequences for recruitment." *Trends in Ecology and Evolution* 15(7): 278-285.

Courtesy visit to Bocas Research Station

Jerry Salazar, Panama's Marine Authority administrator (center), visited STRI's research station in Bocas del Toro on Friday, July 14, with members of the diplomatic corp and government officials. In the photo, Luis Mou, STRI's scientific coordinator at Bocas, explains on-going experiments to administrator Salazar and Yusayuki Fujishina, Japanese ambassador in Panama (right).

(STRI photo by Luis D'Croz)



Jerry Salazar, administrador de la Autoridad Marítima de Panamá, visitó la Estación de Investigaciones de STRI en Bocas del Toro en compañía de miembros del cuerpo diplomático y otros funcionarios gubernamentales, el viernes 14 de julio. En la foto, Luis Mou, coordinador científico de STRI en Bocas, explica al administrador Salazar y a Yusayuki Fujishina, embajador del Japón en Panamá algunos experimentos que se llevan a cabo actualmente en la Estación.

Visita de cortesía en la Estación de Bocas

Special hours in Culebra

The Marine Exhibition Center in Punta Culebra will have special hours for mid-term brake starting Tuesday, July 25 through Sunday, July 30 and from Tuesday, August 1st through Sunday, August 6 from 10am to 6pm. The Amador causeway will allow vehicles on week-ends.

El Centro de Exhibiciones Marinas en Punta Culebra tendrá un horario especial de visitas para las vacaciones de medio año, del martes 25 de julio al domingo 30 de julio y del martes 1ro de agosto al domingo 6 de agosto, de 10am a 6pm. La Calzada de Amador permitirá el tráfico de vehículos durante los fines de semana

Horario especial de vacaciones en Culebra

Volunteer needed for work at Melia Hotel

STRI's Business Initiatives Offices (BIO) requires a volunteer to identify a terrestrial and an aquatic trail in the surroundings of Melia Panama Canal Hotel in Espinar as well as any interpretative possibilities on the hotel grounds, to obtain information for a STRI proposal to Melia Panama. The job may take a couple of week-days or a weekend, and all expenses will be paid by STRI's BIO. Interested please contact Laura Flores at the Tupper Center, tel 212-8160.

La Oficina de Iniciativas Empresariales de STRI, OIE, requiere de un voluntario para identificar un sendero terrestre y otro acuático en los alrededores del Hotel Meliá del Canal de Panamá en Espinar, así como cualquier otra posibilidad de interpretación en los predios del Hotel, con el objeto de obtener información necesaria para una propuesta que STRI presentará a Meliá Panamá. El trabajo puede tomar unos dos días laborables o un fin de semana, con todos los gastos pagos por OIE. Interesados favor de ponerse en contacto con Laura Flores, tel. 212-8160, en el Centro Tupper.

Voluntario para trabajo en el Hotel Meliá