

Tupper 4pm seminar

Tuesday, June 17, 4pm seminar speaker will Anne Meylan, Florida Fish and Wildlife Conservation Commission

Biology and conservation of marine turtles in Bocas del Toro Province and the Ngäbe-Buglé Comarca

Bambi seminar

Thursday, June 19, Bambi seminar speaker will be John Avise, University of California, Irvine

The phylogeographic revolution in population genetics

Bocas' Fair

Talks (English and Spanish) during the week-end of the Bocas' Fair at the STRI Station, on Isla Colón. On Saturday, June 14, 6pm, Maurice Thomas, Palm Beach Atlantic University will present

The ecology and the importance of bats in Bocas del Toro. La ecología y su importancia de los murciélagos de Bocas del Toro

On Sunday, June 15, the second Bocas' Fair speaker will be Peter Meylan, Eckerd College, 6pm, STRI Station **Playa Larga: another important sea turtle nesting beach. Playa Larga: otro sitio importante para el anidamiento de tortugas**

Bocas Talk

Thursday, June 19, Bocas del Toro talk speaker will be Andrew Kratter, University of Florida, 7pm IPAT's CEFATI Building, Isla Colon **The birds of Bocas history meets island biogeography**



Smithsonian Tropical Research Institute, Panamá

www.stri.org

June 13, 2008



HSBC and STRI celebrate World Environment Day

As part of the HSBC Climate Partnership, STRI and HSBC launched a series of activities to celebrate World Environment Day and to raise awareness and improve understanding of environmental issues.

On June 5, the exhibit "Smithsonian Institution Global Earth Observatories" (SIGEO) was officially inaugurated at HSBC's headquarters by its executive president Ernesto Carlos Fernandes (center) and STRI's acting deputy director, William Wcislo (to Fernandes' right in the photo) as well as other representatives from STRI and HSBC. This exhibit will travel to other corporate

buildings in the Republic of Panama and abroad. The photo below shows Mónica Alvarado, director of Public Information and Media Relations who is currently serving as liaison with the HSBC in Panama, introducing the concepts of the exhibit to Chris Levy, HSBC chief financial officer.

On June 8, a group of 50 employees and families of HSBC and Banistmo branches in Colón visited the Galeta Point Marine Laboratory (photo in page 2, where they toured the facilities and trails

accompanied by Galeta's nature guides. These and future activities are intended to increase HSBC's employees' awareness and engagement on the HSBC Climate Partnership as well as to promote STRI mission and projects, especially the SIGEO.



Colon talk

Thursday, June 19 Colon monthly talk speaker will be Donald M. Windsor, STRI, at 7pm, Hotel Meliá Panamá Canal

Los microbios y los insectos panameños

Arrivals

Reina Heinz, University of California - Santa Cruz, to conduct the project "What are the relative roles of mammals, insects, and pathogens in seed removal and seed survival at the pre-dispersal stage?" in Gamboa.

Nikki Strong, postdoctoral fellow from the University of Minnesota, to study the sedimentology of the Cenozoic of Panama, at the CTPA.

Andrew Park, University of Winnipeg, Canada, to join the PRORENA project, at Tupper and Gamboa.

Lucas Cernusak, STRI postdoctoral fellow, to study the water-use efficiency of tropical trees: mechanisms at multiple scales, at Tupper.

Luis Piacentini, Museo Argentino de Ciencias Naturales, Argentina, to study the Application of the DNA barcode technique to the rapid estimation of megadiverse groups in biodiversity hot spots: the arthropods of the Isthmus of Panama, at Naos.

Willie Tobin, University of California - Santa Cruz, to conduct studies of brain miniaturization, at Tupper.

Karin Akre, University of Texas at Austin, to join the studies of the female choice in tungara frogs, in Gamboa.



Como parte del Climate Partnership del HSBC, STRI y el HSBC dieron inicio a una serie de actividades para celebrar el Día Mundial del Ambiente y para elevar la conciencia y mejorar el conocimiento de asuntos ambientales.

El 5 de junio, la exhibición de STRI "Smithsonian Institution Global Earth Observatories" (SIGEO, por sus siglas en inglés) fue inaugurada oficialmente en la sede del HSBC por su presidente ejecutivo, Ernesto Carlos Fernandes (centro, en la primera foto de la primera página) y el subdirector interino de STRI William T. Wcislo (a la derecha de Fernandes), al igual que otros funcionarios de HSBC y STRI. Esta exhibición viajará a otros centros corporativos en la República de Panamá y en el

extranjero. En la foto de abajo, Mónica Alvarado, directora de la Oficina de Divulgación y Medios da una introducción de los conceptos de la exhibición a Chris Levy, director en jefe de Finanzas.

El 8 de junio, un grupo de 50 empleados y familiares de las sucursales del HSBC y Banistmo en Colón, visitaron el Laboratorio Marino de Galeta donde fueron recibidos por los guías naturalistas de Galeta y conducidos a conocer las instalaciones y senderos del área (foto de arriba). Estas y otras actividades futuras tienen como objetivo aumentar la conciencia de los empleados del HSBC sobre el Climate Partnership, así como promover la misión y los proyectos de STRI, especialmente SIGEO.

BCI 85th anniversary

The 85th anniversary of Barro Colorado Island will be celebrated on the Island, on Friday, June 20. Smithsonian Institution acting secretary Cristián Samper will attend the event. Boats to BCI will leave STRI's Gamboa dock at 11am. Boats will leave BCI at 3:40 and 6pm. Contact Oris Acevedo for reservations.

El 85 aniversario de la Isla de Barro Colorado se celebrará en la Isla, el viernes 20 de junio. El secretario interino del Smithsonian Institution Cristián Samper asistirá al event. Los botes hacia BCI saldrán del muelle de STRI en Gamboa a las 11am. Los botes saldrán de BCI a las 3:40 y a las 6pm. Póngase en contacto con Oris Acevedo para reservaciones.

More arrivals

Kristin McElligott and Kyle Meyer, University of Wisconsin - Milwaukee, to conduct the project "Do lianas cause chronic disturbance and alter successional trajectories in tropical forests?" on BCI.

Fabiany Herrera, University of Florida, to study the geologic history of the Neotropical forest, at the CTPA.

Lainy Day, University of Mississippi, to study brain and behavior relationships in birds, in Gamboa.

Daniella Schweizer, University of California - Santa Cruz, to study the phylogenetic signal in the performance and health of tree species in mixed plantations, in Gamboa.

Ellen Suurmeyer, short-term fellow from the University of Arizona, to investigate mechanisms of gall induction in the fig-fig wasp system, on BCI.

Verena Hammes, University of Heidelberg, Germany, to study tree diversity as a control of whole tree water use in experimentally assembled mixtures in Panama (Sardinilla), at Tupper.

Tina Barbasch, Cornell University, to study tadpole schooling and parental care in an aquatic-breeding tropical frog, *Leptodactylus insularum* in Gamboa.

Peter Vorpahl, University of Potsdam, Germany, to study water, energy, and biogeochemical budgets in the humid tropics, in Gamboa and BCI.

More arrivals

Brent Frey, Yale University, to study the regeneration ecology and enrichment potential of slower growing tropical tree species across an environmental gradient in Panama, at Tupper.

Ingrid Parker, University of California - Santa Cruz, to continue studies on the geographic origin and recruitment patterns in *Chrysophyllum*, in Gamboa.

Julie Worley, Portland State University, to study the evolution of reproductive mode: phenotypic plasticity and selection on aquatic and terrestrial breeding in a neotropical treefrog, in Gamboa.

Gregory Gilbert, University of California in Santa Cruz, to study the phylogenetic structure of plant pathogen host ranges, in Gamboa.

Justin Cummings, University of California - Santa Cruz, to study the response of invasive *Saccharum spontaneum* under varying light intensities in tropical rain forests of Panama, in Gamboa.

Gün Koleoglu, Middle East Technical University, to study the stress behavior and social organization in leaf-cutter ants, on BCI.

Cristián Samper, SI, to participate at the 85th BCI anniversary.

Departures

Fernando Pascal to Washington DC, on official business at STRI.

New STRI video Punta Galeta: "Muchos sitios en un solo lugar"

STRI's Office of Public Information produced and directed a new video "Punta Galeta: "Muchos sitios en un solo lugar" [Galeta Point: "Many places in a single site"] realized by Enrique Castro and narrated by Galeta's director and promoter Stanley Heckadon-Moreno, Wayne Sousa, professor at the University of California at Berkeley and other collaborators. This video is part of the EDAVIS project and is supported by Senacyt and STRI's Public Information Office.



The video features long and short-term research projects conducted at Galeta, education efforts and extension programs with the Colon community. It also highlights how scientific information and its interpretation to the locals can turn around unhealthy practices into sustainable activities like controlled fisheries, wiser uses of the soils, the rational use of all natural resources, and the



protection of what is left of the mangroves in the province of Colon, most vital environment of the coastal Caribbean line of Panama.



The 25-minute video will sale for \$12 at STRI's mini-bookstores. Interested docents and school officials may acquire the video consulting Julia Vejas, Office of Communications and Public Programs at 212-8169, or Illia Grenald at the Galeta Marine Laboratory, at 212-8191.

La Oficina de Divulgación y Medios de STRI produjo y dirigió el nuevo video "Punta Galeta: "Muchos sitios en un solo lugar", con la realización de Enrique Castro, narrado por Stanley Heckadon Moreno, director y promotor de Galeta, Wayne Sousa, profesor de la Universidad de California en Berkeley, y otros



colaboradores. Este video es parte del proyecto EDAVIS que cuenta con apoyo de Senacyt y fondos de la Oficina de Divulgación y Medios del Smithsonian.

El video muestra proyectos de investigación a corto y largo plazo realizados con base en Galeta, los esfuerzos de educación y los programas de extensión con las comunidades



de Colón. También hace énfasis en cómo la información científica y su interpretación a los locales, pueden convertir prácticas poco saludables en actividades sustentables como la pesca controlada, un mejor uso de los suelos, el uso racional de todos los recursos naturales, y la protección de lo que queda de los manglares de Colón, el ambiente número uno en importancia y vital de la línea costera del Caribe de Panamá.



El video de 25 minutos se venderá por \$12 en las mini-librerías de STRI. Docentes interesados y funcionarios de escuelas pueden adquirirlo llamando al 212-8169 o al 212-8191.



More departures

Oris Sanjur to San Diego, CA, to participate in the Consortium for the Barcode of Life (CBOL) Leading Labs Network Meetings that will launch 2008-2010 program work.

New publications

Berghoff, Stefanie M., Kronauer, Daniel J.C., Edwards, Keith J., & Franks, Nigel R. 2008. "Dispersal and population structure of a New World predator, the army ant *Eciton burchellii*." *Journal of Evolutionary Biology* 21(4): 1125-1132.

Cooke, Richard G., & Jimenez, Maximo. 2008. "Pre-Columbian use of freshwater fish in the Santa Maria biogeographical Province, Panama." *Quaternary International* 185(2008): 48-58.

Hampe, Arndt, García-Castano, Juan L., Schupp, Eugene W., & Jordano, Pedro. 2008. "Spatio-temporal dynamics and local hotspots of initial recruitment in vertebrate-dispersed trees." *Journal of Ecology* 96(4): 668-678.

Heckadon Moreno, Stanley. 2008. "El naturalista Watson Perrygo en Las Perlas y Jaqué, 1946." "*Épocas Tercera Era* (Supplement to *El Panamá América*) 23(4): 10-11.

Heckadon Moreno, Stanley. 2008. "Explorando los suelos de la Costa Abajo y Lago Gatún." "*Épocas Tercera Era* (Supplement to *El Panamá América*) 23(1): 2-3.

R, R & R

With a little help from our friends at ANAM

Reduce

• Be a responsible shopper. Buy only what you need. Buy for the contents, not the presentation. Read the labels. Stop buying disposable everything. Buy white toilet paper. Colored paper will contaminate the rivers.

Reduce

• Shower for five minutes. But while water is warming up, it can be collected in a bucket. This water can later be used to clean your bathroom. Remember that drop by drop, water is gone. And while you are brushing your teeth, or shaving, turn off the faucet.

Reuse

• Reuse plastic bags to dispose off of organic matters. You will reduce the use of extra garbage bags if you keep your garbage can odorless.

Reuse

• Are you sure nobody else can use that? Don't just toss it away! Donate it to the poor. Leave old clothing, sheets, shoes, inside a transparent plastic bag at the doors of a church. They know exactly what to do with it, if it is not garbage.

Recycle

At the end, when nothing can be done with that soda can, or that old battery you bought when rechargeable batteries were not available, toss them away in the STRI recycling cans!

Help to R, R, & R

Get used to transparent plastic bags and classify your garbage. In Panama, poor people make their living by selling what arrives to Cerro Patacón. Facilitate their work.

With information from: • Con información de:
"Consejos útiles para cuidar el medio ambiente desde el hogar."
Programa Instrumentos de Gestión Ambiental y Participación
Empresarial en Producción + Limpia.
Autoridad Nacional del Medio Ambiente, Panamá

Con un poco de ayuda de nuestros amigos de ANAM

Reduzca

Sea un comprador responsable. Compre sólo lo que necesite. Compre por el contenido, no la presentación. Lea las etiquetas. Deje de comprar todo desechable. Compre papel higiénico blanco. El de color contaminará los ríos.

Reduzca

Báñese por cinco minutos. Pero mientras el agua sale tibia, puede recogerla en una cubeta. Luego puede usarla para limpiar su baño o trapear. Recuerde que gota a gota, el agua se agota. Y mientras cepilla sus dientes o se afeita, cierre el grifo.

Reuse

Reuse las bolsas plásticas para deshacerse de basura orgánica. Usted reducirá la cantidad de bolsas de basura extra si su tanque de basura no huele mal.

Reuse

¿Está seguro que nadie más puede usar eso? ¡No lo bote! Dónelo a los pobres. Deje su ropa vieja, sábanas, zapatos dentro de bolsas plásticas transparentes a las puertas de cualquier iglesia. Ellos sabrán que hacer con ellas si no es basura.

Recicle

Al final, cuando no se puede hacer más nada con esa lata de soda, o esa vieja batería que compró cuando no había baterías recargables ¡échelas en los depósitos RRR de STRI!

Ayude a R, R, & R

Acostúmbrese a usar bolsas plásticas transparentes y clasifique su basura. En Panamá, mucha gente pobre vive de vender lo que llega a Cerro Patacón. Facilíteles el trabajo.

More publications

Heckadon Moreno, Stanley. 2008. "W.M. Perrygo: Las aves del Jaqué e Imamadó, 1947." "*Épocas Tercera Era* (Supplement to *El Panamá América*) 23(5): 10-11.

Miglietta, Maria Pia, & Lessios, Harilaos A. 2008. "A silent invasion." *Biological Invasions Online* at: <http://springerlink.metapress.com/content/81747575j2707j4g/fulltext.html>.

Jones, Frank Andrew, & Muller-Landau, Helen C. 2008. "Measuring long-distance seed dispersal in complex natural environments: an evaluation and integration of classical and genetic methods." *Journal of Ecology* 96(4): 642-652.

Muller-Landau, Helene C., Wright, S. Joseph, Calderon, Osvaldo, Condit, Richard, & Hubbell, Stephen P. 2008. "Interspecific variation in primary seed dispersal in a tropical forest." *Journal of Ecology* 96(4): 653-667.

Turner, Benjamin L. 2008. "Resource partitioning for soil phosphorus: a hypothesis." *Journal of Ecology* 96(4): 698-702.

STRI in the news

"Second chance for rainforest biodiversity" by Erik Stokstad. 2008. Science 13 June 2008: Vol. 320. no. 5882, pp. 1436-1438. DOI: 10.1126/science.320.5882.1436.