

## Tupper seminar

Tuesday, September 4, noon seminar speaker will be Helmut Elsenbeer, visiting senior scholar from the Department of Civil & Environmental Engineering, University of Cincinnati  
**Hydrological flowpaths in tropical rainforests: a global, functional perspective**

With the expansion of forest hydrology research from mid-latitude to tropical areas, a diversity of hydrological process patterns began to emerge that has since been tentatively explained along geographical lines. Our much improved knowledge of runoff generation processes, however, allows us to discard geographical straitjackets and explain the quite diverse hydrological functioning of forests world-wide in terms of those soil, meteorological, and geomorphological factors that control the movement of water on landscapes. Hence, I propose a functional approach to the classification of forest ecosystems based on those factors.

## Bambi seminar

Thursday, September 6, Bambi seminar speaker will be Robert Stallard  
**Into the greenhouse and the ice house: biogeochemical fieldwork to explore the history of life**

## Arrivals

Barney Schlinger, Virginie Canoine and Leonida Fusani University of California at Los Angeles, Sep 1-15, to study hormonal and neural control of a sexually dimorphic behavior, in Gamboa.

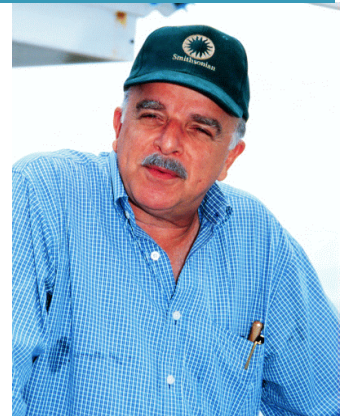


Smithsonian Tropical Research Institute, Panamá [www.stri.org](http://www.stri.org)

August 31, 2001

## Rubinoff to attend science's commission's first meeting

At the invitation of SI Secretary Lawrence Small, director Ira Rubinoff will serve as liaison for the newly established Blue Ribbon Commission for the Reorganization of Science at the Smithsonian Institution. Rubinoff will travel to Washington DC on September 4<sup>th</sup> and during his time at Washington, DC he will also be involved in STRI development efforts. In October, Rubinoff will participate in meetings related to the City of Knowledge Technopark in Heidelberg, Germany, and will take some annual leave. Cristián Samper will serve as acting director during his absence.  
*(Foto: Marcos A. Guerra)*



Por invitación del secretario Small del Smithsonian, el director Ira Rubinoff servirá como enlace en la nueva comisión "Blue Ribbon" para la reorganización de las ciencias en el Smithsonian. Rubinoff viajará a Washington DC el 4 de septiembre, y durante este período en Washington también trabajará en asuntos de desarrollo promocional de STRI. También participará en reuniones relacionadas al Parque Tecnológico de la Ciudad del Saber en Heidelberg, Alemania, y tomará vacaciones. Cristián Samper fungirá como director encargado durante su ausencia.



## Live exhibit at Galeta

Thanks to donations from members of the Colón Free Zone and the maritime community, Galeta Island Marine Laboratories is displaying a new live exhibit of corals and fish at their aquaria. These juveniles will reside temporarily in the tanks and will be returned to the sea after a short period, when new species arrive. Galeta staff members Inez Campbell and Franklin Guerra, in charge of maintaining the aquaria, aim to maintain photographs of these visitors on the walls of the recently inaugurated library and reception area.

*(Photos: Marcos A. Guerra)*

Gracias a donaciones de parte de miembros de la Zona Libre de Colón, y la comunidad marítima, el Laboratorio Marino de Isla Galeta está exhibiendo nuevos peces y corales vivos en sus acuarios. Estos peces juveniles residirán temporalmente en los tanques durante un corto período, y serán reemplazados por nuevas especies. Inez Campbell y Franklin Guerra del personal de Galeta que mantienen los acuarios, pretenden mantener muestras fotográficas de estos visitantes en las paredes de su recién inaugurada biblioteca y área de recepción

***Exhibición viva en Galeta***

## More arrivals

Michael Majerus, University of Cambridge, UK; Sep 1-29, to study the diversity of inherited male killing bacteria in insects, in Gamboa.

Michaela Hau, Princeton University, Sep 1-15, to study the reproduction, territoriality, and hormones in a rainforest bird model system, in Gamboa.

Michael and Deborah Kaspari, University of Oklahoma, Sep 2 - Oct 2, to work on a pilot study on the dynamics and regulation of brown food webs, on BCI and Costa Rica.

Helmut Elsenbeer, senior scholar from the University of Cincinnati, Sep 3-8, to visit STRI, consult with colleagues, and present seminar.

## Departures

Cristián Samper, Sep 3-4, to Bogotá, Colombia, on official business.

David Roubik, Sep 4-8, to Ecuador, to do bee research.

Joe Wright, Sep 5, to Costa Rica, to participate in the Mellon Neotropical forests course.

## Aceptamos libros

La sociedad de graduandos de la Escuela General Básica de Cerro Punta está aceptando donaciones de libros escolares para primaria hasta tercer año de secundaria para sus estudiantes. Aquellos que quieran donar libros para este propósito, pueden enviarlos a Nélida Gómez en el Centro Tupper.



STRI deputy director Cristián Samper (second from the right) presented ANAM manager Ricardo Anguizola (center) with a computer server and database to process flora and fauna export permits electronically, including those of STRI. Also in the photo, from the left are Todd Capson, Ernesto Cordoba, ICBG computer analyst, ANAM's coordinator of protected areas Ricardo Rivera, and Elena Lombardo (right).

(Photo: Marcos A. Guerra)

El subdirector de STRI Cristián Samper (segundo de derecha a izquierda) entregó un servidor y base de datos al administrador general de ANAM Ricardo Anguizola (centro) para el procesamiento electrónico de permisos de exportación de flora y fauna en ANAM, incluyendo los de STRI. En la foto también aparecen Todd Capson (izquierda), Ernesto Córdoba, analista de computadoras de ICBG, Ricardo Rivera, coordinador de áreas protegidas de ANAM, y Elena Lombardo (derecha).

## Biodiversity Support Program

promoting conservation of the world's biological diversity

### BSP visits STRI

Janis Alcorn, director for Asia and the Pacific of BSP, Hendrikus Clement, speaker of the Legislative Parliament in West Kalimantan, Mita Iswari, manager of KPSHK, a community forestry NGO, and Sri Parantauan, project manager of BSP for Indonesia, visited STRI on Thu, Aug 30, to consult staff scientist Stanley Heckadon on the Panamanian experience in the establishment of semi-autonomous indigenous territories (Comarcas). BSP promotes biodiversity conservation in the world's most biologically diverse areas supporting projects that combine conservation with social and economic development, research and analysis of conservation approaches, information exchange and outreach.

Janis Alcorn, director para Asia y el Pacífico del Programa de Apoyo a la Biodiversidad, BSP, Hendrikus Clement, vocero del Parlamento Legislativo de Kalimantan Oeste, Mita Iswari, administrador de KPSHK, una comunidad de forestería no gubernamental, y Sri Parantauan, administrador de proyectos de BSP en Indonesia visitaron STRI el jueves 30 de agosto para consultar al científico Stanley Heckadon sobre la experiencia panameña en el establecimiento de territorios indígenas semi-autónomos (Comarcas). BSP promueve la conservación de la biodiversidad en las áreas de mayor diversidad biológica dando apoyo a proyectos que combinan la conservación con el desarrollo social y económico, la investigación y análisis de iniciativas de conservación e intercambio de información y programas de extensión.

**Programa de Apoyo a la Biodiversidad visita STRI**

## New publications

Aguilar, Salomón, and Condit, Richard. 2001. "Use of native tree species by an Hispanic community in Panama." *Economic Botany* 55(2): 223-235.

Rohwer, F., Breitbart, M., Jara, Javier, Azam, F., and Knowlton, Nancy. 2001. "Diversity of bacteria associated with the Caribbean coral *Montastraea franksi*." *Coral Reefs* 20(1): 85-91.

Williams, S. T., and Knowlton, Nancy. 2001. "Mitochondrial pseudogenes are pervasive and often insidious in the snapping shrimp genus *Alpheus*." *Molecular Biology and Evolution* 18(8): 1484-1493.

Zotz, Gerhard. 2001. "The relationship between maximum in situ rates of CO<sub>2</sub> gas exchange and leaf carbon budgets in tropical gap plants of the genus *Macaranga*." *Flora* 196(5): 364-369.

## Birthdays

Audrey Smith	1
Eldredge Bermingham	2
Jaime Sierra	5
Ricardo Beteta	5
María V. Arrocha	6
Antonio Reina	6
Rubén López	7
Deidamia López	7
Nayda Florez	8
María Staph	8
Carlos Tejada	9
Roberto Ibañez	9
Virgilio Sanchez	9
Nicolás Sugasti	10
Gabriela Jones	10
Suzanne Lao	11
Luis Turner	14
William Eberhard	14
Gladys Quintero	17
Jonás Jimenez	21
Xiomara de Ulloa	22
José Deago	27
José Herrera	27
Lastenio Guzman	28
Marla Diaz	30
Mirna Fernandez	30