

## Tupper seminar

Tuesday, December 19, noon seminar speaker will be Tohru Nakashizuka, visiting senior scholar from the Center for Ecological Research, Kyoto University, Japan

Tree community analyzed by demographic parameters of component species in a temperate deciduous forest  
Abstract:

We have collected the demographic parameter through the whole life cycle of 20 co-occurring tree species for about 10 years in an old-growth temperate deciduous forest, Ogawa Forest Reserve, central Japan. Seed size seedling emergence, growth and mortality of seedlings, saplings and adult trees, reproductive schedules, gap dependency and other demographic parameters were analyzed among the species to discuss the coexistence mechanisms. We found two large tradeoffs possible to be important mechanisms to enable their coexistence in this forest. One is the tradeoff between fecundity and survival in young stage, and another is that between the adult population turnover and maximum size. The former enables the coexistence in terms of disturbance, and the latter causes the habitat segregation among different stories in the forest structure.

## Bambi on Wednesday

Wednesday, December 20, Bambi seminar speaker will be Tohru Nakashizuka, visiting senior scholar from Kyoto University

Studies on canopy processes of a tropical rain forest in Lambir Hills National Park, Borneo



Smithsonian Tropical Research Institute, Panamá

[www.stri.org](http://www.stri.org)

December 15, 2000

## Appreciation ceremony for STRI volunteers

The STRI's Office of Education organized an appreciation ceremony for STRI Behind the Scenes volunteers on Tuesday, December 12, at the Tupper Center Exhibit Hall. Some 90 volunteers participated in the program during 1999-2000 and provided since to STRI in projects involving research, education and administration. In the photo, a group of volunteers for 1999-2000 who received certificates with Adriana Bilgray, volunteers coordinator from the Office of Education.



(Photo: Marcos A. Guerra)

La Oficina de Educación de STRI organizó una ceremonia en agradecimiento para los voluntarios del Programa Tras Bastidores

el martes, 12 de diciembre, en el Salón de Exhibiciones del Centro Tupper. Cerca de 90 voluntarios participaron en el programa durante el año 1999-2000, y trabajaron para STRI en proyectos de investigación, educación y administración. En la foto aparecen un grupo de voluntarios 1999-2000 que recibieron certificados, junto con Adriana Bilgray, coordinadora del Programa Tras Bastidores de la Oficina de Educación.

## Ceremonia de reconocimiento a voluntarios

## SI Board study tour and meetings in Panama

The Smithsonian National Board winter meetings will be held in Panama, from January 31 through February 5, 2001. In addition to 60 board members participating in the meetings, will be Secretary Lawrence Small, Assistant Secretary for Sciences Dennis O'Connor, and Research Programs Director Anthony Coates. Small, O'Connor and Coates will arrive in Panama some days ahead from the meetings, to meet with director Ira Rubinoff, the scientific staff, and members of the community. Staff members from the STRI Office in Washington, DC will also come to assist the meetings. Mónica Alvarado is coordinating the program with the assistance of Jeannette Egger from the Office of Education.

Las próximas reuniones del Directorio Nacional del Smithsonian se llevarán a cabo en Panamá desde el 31 de enero hasta el 5 de febrero de 2001. Además de los 60 miembros del directorio nacional también participarán en las reuniones Lawrence Small, Secretario del Smithsonian, Dennis O'Connor, Sub-Secretario para las Ciencias y Anthony Coates, Director del Programa de Investigaciones de SI. Small, O'Connor y Coates viajarán a Panamá en una fecha anterior al inicio

## Arrivals

Tohru Nakashizuka, Kyoto University, Japan, Dec 17-21, to visit STRI facilities and present seminar.

James Dalling, University of Illinois, Dec 18 - Jan 30, to work on the geographic variation in seed survivorship, on BCI.

Jacalyn Giacalone and Greg Willis, Montclair State University, Dec 20 - Jan 18, to study the mammalian population fluctuations in relation to fruit crop, on BCI

Kimberly Hollingshead, University of Pittsburgh, Dec 21 - Jan 4, to work with Walter Carson's project Do mammal and insects control of tropical forest diversity: a community level experimental test, on BCI and Gigante.

Stefan Schnitzer, University of Pittsburgh, Dec 21 - Jan 17, to work on the role of lianas in treefall gaps in tropical forests, in Gigante.

## Departures

Fernando Santos Granero, Dec 19 - Jan 29, to Uruguay, on vacation.

Dolores Piperno, Dec 22 - Jan 24, to Philadelphia, and then to Mexico to continue field work.

## New STRI publications

Eberhard, William G. 2000. Breaking the mold: behavioral variation and evolutionary innovation in *Wendildarda* spiders (Araneae Theridiosomatidae). *Ethology, Ecology and Evolution* 12: 223-235.

Wendeln, Marcia, Runkle, James R., and Kalko, Elisabeth K.V. 2000. Nutritional values of 14 fig species and bat feeding preferences in Panama.. *Biotropica* 32(3): 489-501.

de las reuniones para reunirse con científicos, directores de STRI, y miembros de la comunidad. Funcionarios de la Oficina de STRI en Washington, DC también viajarán a Panamá, para asistir con las reuniones. Mónica Alvarado está coordinando el programa, con la asistencia de Jeannette Egger, de la Oficina de Educación.

## Consejo Nacional del Smithsonian se reunirá en Panamá

### Beca STRI-Princeton

STRI ofrece beca para el semestre de la Universidad de Princeton en Panamá 2001 para estudiantes de tercer año de biología. El semestre incluye cuatro cursos:

- % Ecología y Conservación Tropical, 5-23 de febrero
- % Physiology and Life Histories of Tropical Birds, febrero 26-marzo 16
- % Pre-Columbian Peoples of Tropical America and their Environments, 13 de abril
- % Biology of Coral Reefs: abril 16-mayo 4

Fecha límite de aplicación: enero 19, 2001.

Para mayor información comunicarse al tel. 212-8169

E-mail: [barrioo@tivoli.si.edu](mailto:barrioo@tivoli.si.edu)

### OTS - STRI - Mellon

The Organization for Tropical Studies (OTS) and STRI invite proposals for A.W. Mellon Research Exploration Awards in Tropical Biology for comparative research at OTS facilities in Costa Rica and STRI facilities in Panama. Awards are open for graduate students and senior investigators of any nationality and institutional affiliation. Awards will be made up to a maximum of \$3000 for graduate students and \$6000 for senior investigators. For more information please contact the STRI's Office of Education at the Tupper Center.

La Organización de Estudios Tropicales, OTS y STRI invitan propuestas para aplicar por fondos Mellon para estudios comparativos en las instalaciones de OTS en Costa Rica y de STRI en Panamá. Los fondos son para estudiantes pre-doctorales e investigadores post-doctorales de cualquier nacionalidad y cualquier afiliación. Los fondos serán de un máximo de \$3000 para estudiantes predoctorales y de \$6000 para investigadores postdoctorales. Para mayor información favor comunicarse con la Oficina de Educación de STRI en el Centro Tupper.

### Programas ambientales de la USMA

Las matriculas de los programas de postgrado en Evaluación de Impacto Ambiental y la Maestría en Ciencias con énfasis en Ecología y Conservación están abiertas. Para mayor información favor llamar al teléfono 230-4011 ext 222, 242.

## Financial support

The Johnson Fund awarded \$55,000 to the STRI-National Museum of Natural History project Documenting Geographic Patterns of Marine Diversity in the Tropical Eastern Pacific: A STRI-NMNH Expedition to Los Cbanos, El Salvador.

The STRI's Center for Tropical Forest Science received a grant of \$510,000 from the National Science Foundation over five years. This funding will support five international workshops for the Center's scientific collaborators to conduct data analyses and multi-plot comparisons.



Surse T. Pierpoint, from Colon Import and Export presents a check with a donation for the Galeta Island Marine Education Program to STRI staff scientist Stanley Heckadon and José Santos Lemos, from Galeta. (Photo: courtesy of Julio Polo, STRI)

## Upcoming deadlines

- % Ten-week graduate student fellowships: January 15
- % Predoctoral fellowships: January 15
- % Postdoctoral Postdoctoral Postdoctoral molecular molecular molecular evolution January January January 15
- % Senior postdoctoral fellowships: January 15.
- % Short-term fellowships: February 15, May 15, and November 15