Tupper seminar

No noon seminar scheduled for Tuesday, January 2.

Bambi seminar

Thursday, January 4th , Bambi seminar speaker will be John Lokvam, University of Utah
Pollinator reward evolution in *Clusia grandiflora*
Bambi reservations are essential. Please call BCI at 272-2142 or 272-2124, etx 8900 • Fax 272-3065 • before Wednesday noon ($4). Late reservations $6.

Arrivals

Alexandra Carvajal, Universidad del Valle, Colombia, Jan 1-27, to work with Gregory Adler, on limiting and regulating factors in populations of a tropical forest rodent (*Proechimys semispenosus*), on BCI, Gamboa and Fortuna.

Sara O'Brien, University of Illinois, Jan 1 - Mar 15, to work with Michaela Hau on reproduction, territoriality, and hormones in a rainforest bird model system, in Gamboa.

Alexander Muth, University of Wuerzburg, Germany, Jan 1 - May 31, to work with Gerhard Zotz, on the ecology of tropical epiphytes, on BCI.

Wayne Sousa and four assistants from the University of California at Berkeley, Jan 2-14, to work on the patterns and mechanisms of canopy tree regeneration in a Caribbean mangrove forest, at Galeta.

José Luis García, Universidad Central de Venezuela, Jan 2-20, to study the taxonomy and biogepgraphy of New World Proctotripoidea and Platygastoidea super-genera in Fortuna.

Twenty-seven participants of McGill University Panama semester, Jan 3.

STRI news 2001

Smithsonian Tropical Research Institute, Panamá www.stri.org January 3, 2001

Latest finding in Cerro Juan Díaz

Richard Cooke's team at Cerro Juan Díaz in Los Santos, found the skeleton of an adult woman, over whose body a basket full of ashes had been thrown. It is likely that the basket was made out of Panama hat-palm fibers (*Carludovica palmata*). The burial dates to AD 750-950.

(Photo: Marcos A. Guerra)

El equipo de Richard Cooke en Cerro Juan Díaz en Los Santos, encontró el esqueto de una mujer adulta, sobre cuyo cuerpo se tiró una canasta llena de cenizas. Aparentemente, la canasta fue hecha de fibras de palma "Sombrero de Panamá" (*Carludovica palmata*). El entierro data de 750-950 AD.

Nuevo encuentro en Cerro Juan Díaz

Nobel prize winner on BCI

American physicist Charles Hard Townes, 1964 Nobel prize laureate in Physics, visited BCI with 17 members of his family on Saturday, December 30, during a trip to Panama for a family reunion. Townes invented the *maser* (microwave amplification by stimulated emission of radiation) a device that amplifies electromagnetic waves creating a means for the sensitive reception of communications and for precise navigation. Townes also developed the basic concepts for the visible-light maser, or *laser* (light amplification by stimulated emission of radiation), which delivers infrared or visible light instead of microwaves. In the photo, Charles Townes and his wife with Oris Acevedo, on BCI.

El físico norteamericano Charles Hard Townes, ganador del Premio Nobel de Física en 1964, visitó BCI con 17 miembros de su familia, el sábado 30 de diciembre. Townes inventó el *máser*, instrumento que amplifica las ondas electromagnéticas creando el método para la recepción sensitiva en comunicación y para la navegación precisa. Townes también desarrolló los conceptos básicos del maser de luz visible o *láser*, que provee luz infraroja o visible en vez de microondas. En la foto aparecen Charles Townes y su esposa con Oris Acevedo.

More arrivals

Barney Schlinger and two assistants from the University of California, Jan 3-31, to study the hormonal and neural control of asexually dimorphic behavior, in Gamboa.

John Dawson, University of Iowa, Jan 4-27, to study the reactions of the zooxanthellate corals to the closing of the Central American Isthmus, at Ancon.

Robert Pearcy, University of California, Jan 4-18, to study the integration of canopy and hydraulic architecture in *Psychoitria* species along light and moisture gradients, on BCI.

Stephanie Bohlman, University of Washington, Jan 4 - Dec 31, to work on the remote sensing of tropical forest canopies, at Tupper.

Susan Brenteson, Montclair State University, New Jersey, Jan 4-9, to work with Jacalyn Giacalone, on the mammalian population fluctuations in relation to fruit-crop, on BCI.

Lisa Comite, University of Georgia, Jan 4-12, to work with Stephen Hubbell on the 2001 seedling census, on BCI.

Lionel Picart, France, Jan 5 - Feb 15, to work with Yves Basset, at Tupper.

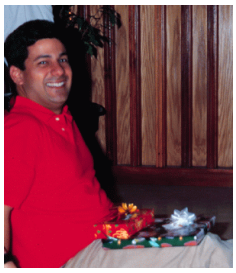
STRI news 2001

Published weekly by the STRI Office of Education
Marialuz Calderon, editor
Adriana Bilgray, assistant editor
Marcos A. Guerra, photographer
Georgina de Alba, director

Headline photo: *Pyrrhopyge pseudophidias* by Annette Aiello

STRI X'mas party

Somewhat 85 gifts were raffled among employees present at the STRI Christmas party. The party was a great success thanks to the efforts of the organizing committee, Luz Latorraca, Nereida Hernández, Jennifer Campuzano, Mercedes Denis and Audrey Smith. In the photos, Mercedes Denis and Gabriel Martínez are setting out the gifts before the party. Among the lucky winners of the raffle were José Ramón Perurena, Laura Flores (top) and Gabriela Jones.



Photos: Marcos Guerra

Cerca de 85 regalos se rifaron entre los empleados presentes en la Fiesta de Navidad de STRI, que fue un gran éxito gracias al comité organizador conformado por Luz Latorraca, Nereida Hernández, Jennifer Campuzano, Mercedes Denis y Aurey Smith. En las fotos aparecen Mercedes Denis y Gabriel Martínez arreglando los regalos antes de la fiesta. Entre los ganadores están José Ramón Perurena, Laura Flores (arriba) y Gabriela Jones.

STRI's OPP major accomplishments in 2000

STRI's Office of Physical Plant has two new Architect -Engineer firms under contract to perform design services of various projects: URS and CAISA. During this past year, STRI's OPP completed the modifications of the Naos Pier adding a floating dock, floating breakwater, fenders, and miscellaneous work. Also at Naos, the modifications of the Seawater Systems were completed, and the Seawater Pavillion was repaired. On BCI, the construction of new housing units for researches and workers, as well as the new seawage treatment plant is in its final stage. This year STRI's OPP received a grant from the US Department of Energy which included the purchase and installation of two new Photovoltaic systems—already installed and in use at Gigante and Bocas del Toro. They also applied for a grant from the US EPA (Environmental Protection Agency) to design and build a "Water and Energy Efficient Lab", and selected the new Lab building at Bocas for this project, that is now in the design phase.

La Oficina de Diseño y Construcción de STRI (OPP) contrató dos nuevas firmas de Ingeniería y Arquitectura, URS y CAISA para llevar a cabo el diseño de varios proyectos. Durante el año 2000, OPP completó las modificaciones en el Muelle de Naos, que incluye un muelle flotante, un rompeolas flotante y otros. En Naos también se completaron las modificaciones en el sistema de bombeo de agua salada y los arreglos en el pabellón de agua salada. En Barro Colorado, la construcción de nuevos dormitorios para investigadores y trabajadores se encuentra en su etapa final, al igual que la planta potabilizadora de agua. Este año, la Oficina de Diseño y Construcción de STRI recibió fondos del Departamento de Energía de los Estados Unidos, lo que incluyó la adquisición e instalación de dos unidades de foto-voltaje que se instalaron en Gigante y Bocas del Toro. También se han pedido fondos de la Agencia para la Protección del Ambiente para diseñar y construir un laboratorio eficiente con agua y energía, y se ha seleccionado a Bocas del Toro para este proyecto, que se encuentra en su fase de diseño.

2000: Diseño y Construcción

January birthdays

Fernando Pascal	4
Rafael Batista	5
V'ictor Quintana	6
Carlos Guevara	7
Julia Areas	8
Severino Valdes	8
Omar Hernández	17
Joe Wright	17
José Sánchez	18
Sofía Velotti	19
Karel Muñoz	19
Enrique Marciaga	19
Mirza de Murillo	19
Digna Matías	20
Sebastián Bernal	20
Carlos Vergara	27
Ernesto Maynard	27
Miriam Medina	28
Roxana Durán	28
Agapito González	29
Noris Salazar	30
Eyda Gómez	31