

## Tupper seminar

Tuesday, June 18, noon seminar speaker will be Andrew Cohen, San Francisco Estuary Institute  
**Biological invasions in the sea**

## Bambi seminar

No Bambi seminar scheduled for next week. If you wish to give a seminar please contact your Bambi "jefe", Scott Powell, or e-mail: Bambi.

## Arrivals

Clare Gould, Princeton University, Jun 15 - Jul 15, to work with Martin Wikelsi, on an automated telemetry project for BCI.

Don Reynolds, Natural History Museum of Los Angeles County, and Gregory Gilbert, University of California, Jun 15 - Jul 8, to study canopy fungi, in Gamboa and Ft. Sherman.

Teruaki Nishikaiwa and Masahiro Nohara, Nagoya University, Japan, Jun 16-22, to study the phenology of ocelots, on BCI.

Manfred Hartbauer, Austria, Jun 16 - Jul 13, to work with Alexander Lang, on BCI.

Marco Leoni, University of Chicago, Illinois, Jun 17 - Sep 15, to study intergroup encounters among capuchin monkeys on BCI.

Maurice Thomas, Palm Beach Atlantic College, Jun 18 - Jul 1, to study reproductive patterns, community structure and population fluctuations of bats in cave roosts on Isla Colón and Isla Bastimentos, Bocas del Toro.



Smithsonian Tropical Research Institute, Panamá

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

June 14, 2002



## The value of bees to the coffee harvest: Roubik

*Nature* (June 13) published David Roubik's article "The value of bees to the coffee harvest" proving that Africanized, non-native honeybees can augment pollination and boost crop yields of *Coffea arabica* by 50% or more. These findings, result from five years of research in Panama, together with world coffee-harvest statistics and field studies of organically shade-grown coffee, indicate how coffee plants and growers would benefit from habitats capable of sustaining these valuable naturalized pollinators. The whole world was alerted of Roubik's discoveries by *Nature's* posting in *ScienceUpdate*, and STRI's release in *EurekAlert!*. More information can be seen online in *BBC news*, *New Scientist*, *Independent Online*, *Science Daily*, etc. The photos show *Princesa Janca* shade-grown coffee in Boquete, where bees are everywhere. (Photos: Marcos A. Guerra)

La revista *Nature* (13 de junio) publicó el artículo "El valor de las abejas en los cultivos de café" de David Roubik, que prueba que las abejas africanizadas no-nativas de miel pueden aumentar la polinización y producción de los campos de cultivo de *Coffea arabica* en un 50% o más. Estos descubrimientos, resultado de cinco años de investigación en Panamá, unido a estadísticas mundiales de cultivos de café y resultados de estudios en el campo de café cultivado a la sombra, indican cómo las plantas de café y sus cultivadores se benefician de los ambientes capaces de sostener estos valiosos polinizadores naturalizados. El mundo entero fue alertado sobre los descubrimientos de Roubik por el comunicado de *Nature* en *ScienceUpdate*, y el de STRI en *EurekAlert!*. Mas información en *BBC news*, *New Scientist*, *Independent Online*, *Science Daily*, etc. Las fotos muestran cultivos a la sombra de *Princesa Janca* en Boquete, en presencia de abejas.



***El valor de las abejas en cultivos de café: Roubik***

## More arrivals

Michael Kaspari and Mary Johnston, University of Oklahoma, Jun 19 - Aug 3, to conduct a pilot study on the dynamics and regulation of brown food webs, on BCI and Costa Rica, on a Mellon Exploratory Award.

Paula Trillo, University of Montana, Jun 19 - Aug 25, to study color diversity in Cassidinae beetles: mechanisms of expression and adaptive significance of color components, at Tupper.

Kathleen Rudolph, intern from the University of California at Davis, Jun 20 - Jul 15, to study the evolution of defensive traits in young leaves of Leguminosae, with Phyllis Coley.

## Departures

David W. Roubik, Jun 15 - Jul 17, to Washington DC, on vacation.

John Christy, Jun 20 - Jul 15, to the U.S. on vacation. Will also attend the International Society for Behavioral Ecology Congress in Montreal, Canada, from July 6-13.

Cristián Samper, Jun 23 - Jul 13, to Cairns, Australia, to attend the Canopy Conference, followed by a short vacation.

## New publications

Buzas, Martin A., Collins, Laurel S., and Culver, Stephen J. 2002. "Latitudinal difference in biodiversity caused by higher tropical rate of increase." *Proceedings of the National Academy of Sciences* 99(12): 7841-7843.

## Perurena promoted to director of Safety Office and Industrial Hygiene

Safety officer José Ramón Perurena was promoted to director of STRI's Safety Office and Industrial Hygiene, as per recommendation of SI Office of Safety and Environmental Management, effective July 1<sup>st</sup>. Perurena started working for STRI in July, 1993 as safety officer, under the general supervision of assistant director for Plant Services Carlos Tejada. He has a master's degree in Mechanical Engineer from Clemson University, SC. Perurena will work under the direct supervision of acting director Cristián Samper, and will be in charge of the design and implementation of STRI's new safety program. Requests for maintenance should all be addressed to the Office of Plant Services, at Pastor's House. (Photo: M.A. Guerra)



José Ramón Perurena, a cargo de la seguridad industrial de STRI, fue promovido a director de la Oficina de Seguridad e Higiene Industrial, por recomendación de la Oficina de Administración Ambiental y Seguridad del Smithsonian, a partir del 1ro de julio. Perurena empezó a trabajar para STRI en julio de 1993, bajo la supervisión general de Carlos Tejada, director adjunto para Servicios a las Instalaciones. Tiene una maestría en Ingeniería Mecánica de Clemson University en Carolina del Sur. Trabaja bajo la supervisión directa del director encargado Cristián Samper, y estará a cargo de diseñar e implementar el nuevo programa de seguridad industrial. Todas las requisiciones de mantenimiento deberán enviarse directamente a la Oficina de Servicios para las Instalaciones, en Pastor's House.

## Five new research associates

Five scientists were added to STRI's group of research associates: Orangel Aguilera, Francisco de Miranda University, Venezuela, Michael Kaspari, University of Oklahoma, Kaoru Kitajima, University of Florida, Juan L. Maté, University of Miami, RSMAS, and Roberta W. Rubinoff, Smithsonian Institution. The title of research associate provides a formal scholarly affiliation with the institution. Photographer Christian Ziegler, co-author in the latest book of staff scientist Egbert G. Leigh, Jr. (in press) was granted an association in communication..

Cinco científicos se añadieron al cuerpo de investigadores asociados a STRI: Orangel Aguilera, Universidad Francisco de Miranda en Venezuela, Michael Kaspari, Universidad de Oklahoma, Kaoru Kitajima, Universidad de Florida, Juan L. Maté, RSMAS, Universidad de Miami, y Roberta W. Rubinoff, Smithsonian Institution. El título de investigador asociado otorga una afiliación académica con la institución. Al fotógrafo Christian Ziegler, co-autor del más reciente de los libros de Egbert G. Leigh, Jr. (en prensa) se le concedió una asociación en comunicación.

## More publications

Choat, J. Howard, and Robertson, D. Ross. 2002. "Age-based studies on coral reef fishes." In *Coral reef fishes: Dynamics and diversity in a complex ecosystem* ed. By P.F. Sale: 57-80. San Diego: Academic Press.

Engstrom, Tag N., Meylan, Peter A., and Meylan, Anne B. 2002. "Origin of juvenile loggerhead turtles (*Caretta caretta*) in a tropical developmental habitat in Caribbean Panamá." *Animal Conservation* 5: 125-133.

Guglielmo, Christopher G., O'Hara, Patrick D., and Williams, Tony D. 2002. "Extrinsic and intrinsic sources of variation in plasma lipid metabolites of free-living western sandpipers (*Calidris mauri*)." *The Auk* 119(2): 437-445.

Lessios, Harilaos A. 2002. "Gene flow in the Mediterranean and eastern Atlantic of three species of sea urchins." In *Hellenic Zoological Society (Ed.), 9th International Congress of the Zoogeography and Ecology of Greece and Adjacent Regions*. Hhessaloniki, Greece: The Hellenic Zoological Society.

Price, J. Jordan, and Lanyon, Scott M. 2002. "A robust phylogeny of the oropendolas: Polyphyly revealed by mitochondrial sequence data." *The Auk* 119(2): 335-348.

Toller, Wesley W., Rowan, Rob, and Knowlton, Nancy. 2002. "Genetic evidence for a protozoan (phylum Apicomplexa) associated with corals of the *Montastraea annularis* species complex." *Coral Reefs Online*.

## STRI in the news

Pennisi, Elizabeth. 2002. "Ecology: A coral by any other name." *Science* (June 14) 296 (5575): 1949-1950 [Mentions Lessios and Knowlton].