

## Tupper seminar

Tuesday, July 3, noon seminar speaker will be Karen Warkentin, STRI post-doctoral fellow, Center for Ecology, Evolution & Behavior, at the University of Kentucky  
**How do embryos assess danger? Patterns and cues in risk-sensitive hatching**

## Bambi seminar

Please consult your bulletin board and GroupWise for information on the next Bambi.

## Arrivals

Evan DeLucia, McGill University, Jun 30 - Jul 15, to work with FACE project on the effects of CO<sub>2</sub> enrichment on carbon storage and species growth in a tropical mixed species plantation ecosystem.

Janet Shellman-Reeves, Cornell University, Jun 30 - Feb 28, to explore mate choosiness and variation in the mating system of the neotropical termite, in Gamboa.

Ricardo Gil da Costa and assistants William Fitch and Jonathan Kelley, Harvard University, Jul 1 - Aug 1, to study the dynamics of predator-prey interactions on BCI: Observations and experiments on the predation of harpy eagles on howler and capuchin monkeys.

Anthony Ranere, Temple University, Jul 1 - Aug 22, to do analysis of archaeological collections from the Aguadulce shelter, at Naos.

## Congratulations!

To Astrid Ferrer and Jim Dalling, for the birth of their first son Martin, on Tuesday, June 19, in Panama City. He weighed 8 lb and measured 51 cm.



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

June 29, 2001



**Science** magazine

SCIENCE ONLINE

## On maize and the sunflower

CTPA director Dolores R. Piperno published the article "On maize and the sunflower" on June 22 in the section "Perspectives" of *Science*, vol. 292(5525): 2260. "Agriculture is believed to have arisen independently in six to eight independent centers, including both hemispheres of the Americas. In her Perspective, Piperno discusses recent work, which indicates that maize was domesticated at least 7100 years ago in tropical Mexico, 1000 years earlier than previous data indicated. The sunflower also seems to have been domesticated in Mexico, as well as in eastern

North America. Molecular evidence is required to establish the origin of the sunflower with greater certainty." ([www.sciencemag.org](http://www.sciencemag.org))

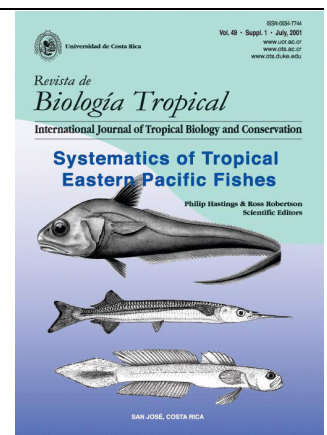
Dolores Piperno, directora del CTPA publicó el artículo "On maize and the sunflower" [Sobre maíz y el girasol] el 22 de junio en la sección "Perspectives" de la revista *Science*, vol. 29(5525): 2260. "Se cree que la agricultura empezó independientemente en seis u ocho centros independientes, incluyendo ambos hemisferios de las Américas. En su "Perspectiva", Piperno discute trabajo reciente que indica que el maíz fue domesticado hace por lo menos 7100 años en México tropical, 1000 años antes de lo que se creía. El girasol también parece haber sido domesticado en México al igual que en el este de Norteamérica. Se requiere de evidencia molecular para establecer el origen del girasol con mucha mayor certeza". ([www.sciencemag.org](http://www.sciencemag.org))

## Piperno: Sobre el maíz y el girasol

## Supplement issue by Hastings and Robertson

Philip A. Hastings, from the Department of Ecology and Evolutionary Biology at the University of Arizona, Tucson and STRI staff scientist D. Ross Robertson just completed the edition of "Systematics of Tropical Eastern Pacific Fishes" as a supplement issue of *Revista de Biología Tropical* (International Journal of Tropical Biology and Conservation) Vol. 1, suppl. 1, July 2001. The edition presents a number of articles with information on new species from the Gulf of California, Galapagos Islands, the Gulf of Panama, Ecuador, etc.

Philip A. Hastings del Departamento de Ecología y Biología Evolutiva en la Universidad de Arizona, Tucson, y D. Ross Robertson, científico de STRI completaron la edición de "Sistemática de Peces del Pacífico Oriental Tropical" como un suplemento de la *Revista de Biología Tropical* (International Journal of Tropical Biology and Conservation), Vol. 1, suppl. 1, julio de 2001. La edición presenta artículos con información sobre nuevas especies en el Golfo de California, Islas Galápagos, el Golfo de Panamá, Ecuador, etc.



## Suplemento por Hastings y Robertson

## More arrivals

Gwenaél Ollivier, École normale supérieure, Jul 1, Sep 1, to work with Yves Bassett on insect diversity in the rain forests, at Tupper.

Elissa Jacobson, Temple University, to work with Tony Ranere, at Naos.

Rebekah Peterson, Jul 3 - Aug 4, to work on figs, on BCI.

Stylianios Chatzmanolis, University of Kansas, Jul 4-14, to do research on the interaction between *Nordus fungicola* (Coleoptera; Staphylinidae) and *Ptecticus nigrifrons* (Diptera: Stratiomyidae), on BCI.

## Departures

Richard Condit, Jun 30 - Aug 31, to San Diego on vacation, then to India to attend CTFS workshop.

John Christy, Jul 2-31, to San Francisco, CA on vacation.

## New publications

Castillo, Arcadio, and Lessios, Harialos A. 2001. "Lobster fishery by the Kuna Indians in the San Blas region of Panama (Kuna Yala)." *Crustaceana* 74(5): 459-475.

Eberhard, Jessica R., Wright, Timothy F., and Bermingham, Eldredge. 2001. "Duplication and concerted evolution of the mitochondrial control region in the parrot genus amazona." *Molecular Biology and Evolution* 18(7): 1330.

Eberhard, William G. 2001. "Multiple origins of a major novelty: moveable abdominal lobes in male sepsid flies (Diptera: Sepsidae) and theories of genetical evolution), and the question of developmental constraints." *Evolution and Development* 3(3): 206-222.

## Bill Wcislo on sabbatical

STRI staff scientist William Wcislo will be on sabbatical for library research at the SI Libraries and the Library of Congress in Washington, DC, and in Baltimore, MD at John Hopkins University Libraries from July 1st, 2001 through June 30, 2002. You can reach him at E-mail: [WcisloW@tivoli.si.edu](mailto:WcisloW@tivoli.si.edu) [bill\\_wcislo@yahoo.com](mailto:bill_wcislo@yahoo.com) Tel 410-366-7225. Postal address: Bill Wcislo, 2933 N, Guildford Ave. Ap. 2, Baltimore MD 21218.

William Wcislo, científico de STRI, tomará un año sabático para hacer investigaciones bibliográficas en las Bibliotecas del Smithsonian y en la Biblioteca del Congreso en Washington, DC, y en Baltimore, MD en las Bibliotecas de la Universidad John Hopkins desde el 1ro de julio de 2001 hasta el 30 de junio de 2002. Correo electrónico [WcisloW@tivoli.si.edu](mailto:WcisloW@tivoli.si.edu) y [bill\\_wcislo@yahoo.com](mailto:bill_wcislo@yahoo.com) Tel 410-366-7225. Dirección postal: Bill Wcislo, 2933 N, Guilford Ave. Ap. 2, Baltimore, MD 21218.

## Talk-series at the CTPA

The STRI's Center for Tropical Palaeoecology and Archaeology (CTPA) established a series of talks in Ancon starting today, June 29 with a seminar by José Iriarte, "Human-environment interactions and the emergence of cultural complexity during the mid-holocene in subtropical southeastern Uruguay" at 4pm. For more information please contact Gabriela Jones at the CTPA, tel. 212-8076.

El Centro de Paleocología y Arqueología Tropical (CTPA) de STRI ha establecido un programa de charlas en sus instalaciones en Ancón, a partir de hoy, viernes 29 de junio con el seminario de José Iriarte, "Human-environment interactions and the emergence of cultural complexity during the mid-holocene in subtropical southeastern Uruguay" [Interacciones del hombre y el ambiente y el nacimiento de la complejidad cultural durante el período holoceno media en Uruguay sureste subtropical] a las 4pm. Para mayor información, favor ponerse en contacto con Gabriela Jones en el CTPA al tel. 212-8076.

## Serie de charlas en el CTPA

## Volunteers ~~Voluntarios~~

Volunteers provide valuable service to the Smithsonian working in various capacities in research, administration and support services. If you need volunteer assistance, please contact Adriana Bilgray at the Office of Education, tel 212-8031.

Los voluntarios ofrecen servicios valiosos al Smithsonian en investigación, administración y servicios de apoyo. Si usted necesita asistencia voluntaria, póngase en contacto con Adriana Bilgray de la Oficina de Educación al te. 212-8031.

## SENACYT invita a STRI

La Secretaría Nacional de Ciencia, Tecnología e Innovación (SENACYT) invita a la Primera Jornada de Información, Seguimiento y Divulgación del Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo (CYTED), a celebrarse el miércoles 4 de julio de 8am a 4:30 pm., en la instalaciones de la SENACYT en el Edificio 213, Ciudad del Saber, Clayton. Para mayor información escribir a [donderis@senacyt.gob.pa](mailto:donderis@senacyt.gob.pa) [msalazar@senacyt.gob.pa](mailto:msalazar@senacyt.gob.pa) [gsanchez@senacyt.gob.pa](mailto:gsanchez@senacyt.gob.pa)



## Birthdays for July

Edith Rojas	2
Andrés Hernández	3
Orelis Arosemena	4
Harry Barnes	5
Eduardo Ortega	6
Renier Vargas	8
Rufino González	10
Dora Justo	10
Sotero Campos	12
Rubén Hernández	12
Meylín Hernández	12
Raineldo Urriola	16
Abdiel Oses	19
Arcenio Pérez	20
Oris Acevedo	22
Javier Jara	22
Luisa Villalaz	22
Andrés Lee	22
Irina Casal	23
Santiago Bonilla	25
Olga Barrio	25
Ana L. de la Espada	26
Carlos Graef	26
Jennifer Campuzano	26
Andrea Pérez	26
Egbert Leigh	27
Maria Lorena Cabrera	27
Alejandro Ureña	28
Ricardo Thompson	30
Félix Rodríguez	31
José I. Sánchez	31
David Guardia	31