

**AMPLIACION
DÉ LA CUENCA DEL CANAL**

Expositores invitados
Autoridad del Canal de Panamá Comisión Interinstitucional de la Cuenca Hidrográfica

Mitos y realidades:

- Historia
- Estudios de transmisión territorial
- Realidad socio-cultural
- Comisión Interinstitucional de la Cuenca del Canal

Seminario a realizarse en el auditorio Earl S. Tupper del Instituto Smithsonian
Abierto al público en general 3 de junio 10 a.m.

STRI news 2002



Smithsonian Tropical Research Institute, Panamá

www.stri.org

May 31, 2002

STRI, McGill and the City of Knowledge are sponsoring the seminar "Widening the Canal watershed" on Mon, Jun 3, at 10am, at the Tupper Auditorium. Guest speakers from the Panama Canal Authority and the Hydrographic Watershed Commission will present the history, territorial studies and the socio-cultural aspects of the project.

Tupper seminar

Tue, Jun 4, noon seminar speaker will be William Laurance, STRI
Biomass dynamics in Amazonian forest fragments

Bambi seminar

Thu, Jun 6, Bambi seminar speaker will be Rachel Page, University of Texas at Austin
The localization ability of *Trachops cirrhosus*: how bats find frogs

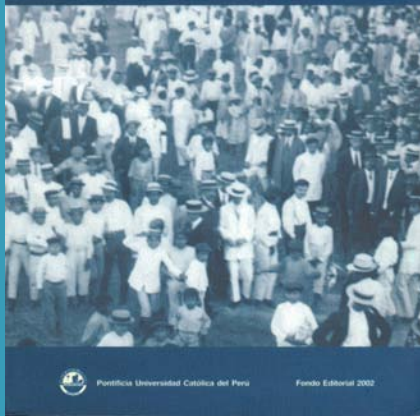
CTPA-Charlas

El viernes 7 de junio, a las 4pm el CTPA presentará la charla de Claudia Díaz
Rituales mortuorios en Cerro Juan Díaz 700-1400 d.C.
Centro de Conferencias, Ancón.

La Frontera Domesticada

Historia económica y social de Loreto, 1850-2000

Fernando Santos Granero
Frederica Barclay



New STRI book

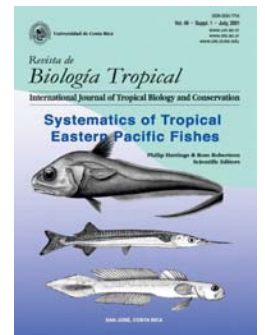
STRI anthropologist Fernando Santos-Granero and Frederica Barclay just published the Spanish version of *Tamed frontiers: Economy, Society, and Civil Rights in Upper Amazonia* (*La frontera domesticada: Historia económica y social de Loreto 1850-2000*) at Fondo Editorial de la Pontificia Universidad Católica del Perú, in Lima. The book covers a period of 150 years between 1851, when the Amazon River was opened to the international navigation, until the end of the twentieth century, marked by a peace treaty signed with Ecuador. This is the seventh book produced by Santos Granero since he started working for STRI in 1991.

El antropólogo de STRI, Fernando Santos-Granero y Frederica Barclay publicaron la versión en español del libro *La frontera domesticada: historia económica y social de Loreto 1850-2000* publicado en inglés por Westview Press en 2000. El libro, publicado por el Fondo Editorial de la Pontificia Universidad

Católica del Perú, cubre un período de 150 años, desde 1851 con la apertura del Río Amazonas a la navegación internacional, hasta finales del siglo veinte, cuando se firmó un tratado de paz con Ecuador. Este es el séptimo libro que produce Santos-Granero desde que llegó a STRI en 1991.

Marine edition dedicated to Rubinoff's pioneering research

The recently distributed supplement of *Revista de Biología Tropical* (2001), edited by Phillip Hastings from Scripps and STRI marine biologist D. Ross Robertson *Systematics of Tropical Eastern Pacific Fishes* was dedicated to Ira Rubinoff "...in recognition of both his pioneering research on the role of the isthmus in the evolution of shorefishes in tropical America and his sponsorship of research on marine and terrestrial biology of Central America during his 27 year tenure as director of the Smithsonian Tropical Research Institute." The supplement, that includes 23 articles with new marine species from the Gulf of California to Galápagos Islands, can be obtained electronically, on a CD, online, and/or magnetic tape, in microform and in paper. More information at 800-521-0660, ext. 3781.



El recién distribuido suplemento de *Revista de Biología Tropical* (2001) "Sistemática de peces del Pacífico tropical oriental, editado por Phillip Hastings de Scripps y el biólogo marino de STRI, D. Ross Robertson fue dedicado a Ira Rubinoff "...en reconocimiento, tanto por sus investigaciones pioneras sobre el papel del istmo en la evolución de peces costeros en la América tropical y su apoyo a la biología marina y terrestre en Centroamérica, durante los veintisiete años que ha fungido como director del Smithsonian Tropical Research Institute." El suplemento, que incluye 23 artículos sobre nuevas especies marinas desde el Golfo de California hasta las Islas Galápagos, puede obtenerse electrónicamente, en CD, vía internet, y/o cinta magnética, microfichas o impreso en papel. Para más información llame al 800-521-0660, ext. 3781.

Arrivals

Kyle Harms, Louisiana State University, Jun 1 - Aug 1, to study the nutrient augmentation in a lowland tropical forest, in Gigante.

Eileen Thorsos, Swarthmore College, Jun 1 - Aug 1, to work with Kyle Harms, in Gigante.

Hermógenes Fernández, Universidad de Puerto Rico, Jun 1 - Jul 26, to study the colony establishment in the Attini tribe, at Gamboa.

Greg Adler and Alejandra Carvajal, University of Wisconsin, Jun 1 - Jul 30, to make a survey of rodents, at Gamboa and Fortuna.

Sebastián Barrionuevo, intern from Universidad de Tucumán, Argentina, Jun 1 - Aug 21, to work on the Túngara project, in Gamboa.

Ximena Bernal and Kathy Boul, University of Texas at Austin, Jun 1 - Aug 21, to join the Túngara project, in Gamboa.

Oliver Balmer, Osborn Memorial Laboratories, and Melissa Garren, Yale University, May 31 - Aug 10, to to conduct experimental tests on the adaptive bleaching hypothesis of corals and an alternative, at Naos and Bocas.

Astrid Vonderschmitt from Switzerland, Jun 1 - Aug 4, to work with Oliver Balmer and Mellisa Garren, at Naos and Bocas.

Kathleen Lynch, University of Texas at Austin, Jun 1-25, to join the Túngara project, in Gamboa.

Michael Ryan and Marcos Gridoli, University of Texas at Austin, Jun 1-28, to work on the Túngara project, in Gamboa.

Alison Sweeney, Duke University, Jun 1 - Jul 20, to study the visual perception and pattern evolution in *Heliconius*, in Gamboa.

BDFFP's 22-year review

A group of scientists led by STRI scientist William F. Laurance published "Ecosystem decay of Amazonian forest fragments: a 22-year investigation" in the June issue of *Conservation Biology* (vol. 16, no. 3). The paper is an exhaustive review of studies conducted by the Biological Dynamics of Forest Fragments Project (BDFFP), the world's largest and longest-running experimental study of habitat fragmentation. In compiling the paper the group reviewed over 340 published articles and theses produced over the past 22 years. The results of the analysis clearly indicate that Amazonian nature reserves will have to be very large in order to maintain their internal dynamics, functioning, and species composition and to withstand external threats from large-scale edge effects, fires, logging, hunting, and other human disturbances.

Collaboration agreement with Universidad de Los Andes



STRI acting director Cristián Samper and rector Carlos Angulo Galvis from Universidad de Los Andes signed a seven-year collaboration agreement, on



Monday, May 20. The agreement aims to promote academic collaboration in tropical biology, offering a joint doctoral program.

Cristián Samper, STRI y Carlos Angulo Galvis, rector de la Universidad de Los Andes, firmaron un convenio de colaboración por siete años, el lunes 20 de mayo. El convenio tiene como objetivo promover la colaboración académica entre ambas instituciones en el área de la biología tropical, ofreciendo un programa conjunto de doctorado.

STRI June birthdays

Hely Cortez	2	Aureliano Valencia	16
Plinio Gondola	2	Omar Sousa	16
Nereida Hernandez	2	Norma Cedeño	16
Argelis Ruiz	2	James La Frankie	17
Erika Garibaldo	2	Milton Jackson	19
Rolando Perez	4	Alberto Gonzalez	23
Rigoberto Gonzalez	7	Marlene Flores	23
Gabriel Abrego	7	Melissa Balcazar	24
Klaus Winter	10	Miguel Samaniego	27
Marla E. Ramos	12	Carmen Galdames	27
Maritza Lopez	12	José Barahona	27
Maritza Perurena	15	Eleuterio Santos	29
Juan Carlos Villarreal	15		

Miscellaneous

For sale: 2-year Samsung A/C (window) 12,000 BTU, with timer \$300. One-year old Magic Chef refrigerator \$450. Interested please call Xenia Saavedra.

More arrivals

Judith Scarl, Harvard University, Jun 1-Aug 21, to join the Túngara project, at Gamboa.

Kim Hoke, postdoctoral fellow from Stanford University, Jun 1-Jan 31, 2003, to study the functional neural circuits of auditory communication in Túngara from mating, in Gamboa.

Allison Stuart, University of Kansas, Jun 2-20, to work with Cameron Currie, at Gamboa.

Jason Watkins, University of Georgia, Jun 2-Jul 7, to study the Oomycota, believed to be involved in Janzen-Connell effects observed on BCI.

Sarah London, University of California at Los Angeles, Jun 4-20, to work with Michaela Hau, in Gamboa.

Angela Moles, Macquaire University, Australia, Jun 6-14, to visit BCI for future research and present seminar.

New publications

Hubbell, Stephen. P., Ahumada, Jorge A., Condit, Richard, and Foster Robin, B. 2001. "Local neighborhood effects on long-term survival of individual trees in a neotropical forest." *Ecological Research* 16(5): 859-875.

Mangan, Scott A., and Adler, Gregory H. 2002. "Seasonal dispersal of arbuscular mycorrhizal fungi by spiny rats in a neotropical forest." *Oecologia* 131(4): 587-597.

Novotny, Vojtech, Basset, Yves, Miller, Scott E., Drozd, Pavel, and Cizek, Lukas. 2002. "Host specialisation of leaf-chewing insects in a New Guinean rain forest." *Journal of Animal Ecology* 71(3): 400-412.