

Tupper 4pm seminar

Tuesday, December 4, 4pm seminar speaker will be Andrei Ostrovsky, postdoc from Petersburg State University at the University of Vienna
Extraembryonic nutrition, placental analogues and evolution of the new reproductive patterns in Bryozoa

Paleo-talk

Wednesday December 5, Paleo-talk speaker will be Andrei Ostrovsky, Petersburg State University at 4pm, CTPA Conference Room
Evolution of polymorphism in colonial animals: Differentiation of the earliest polymorphs in the Upper cretaceous bryozoans *Wilbertopora*

Gavilan project exhibit

Mathieu Rapp will present an exhibit of art and photography on the Gavilan Project
Había una vez en Charco la Pava [Once upon a time at Charco la Pava]
Open to the public from December 4-7 at STRI's Exhibit Hall, Tupper Center, 12 noon to 5pm.

Bambi seminar

No Bambi scheduled for next week. If you wish to give a Bambi, please contact Marco Visser on BCI or e-mail marco.visser@wur.nl

Departures

Jefferson Hall to Washington DC, to attend a meeting on the Agua Salud Project.

Rachel Collin to San Antonio, Texas, to attend the SICB Meeting.



Smithsonian Tropical Research Institute, Panamá

www.stri.org

November 30, 2007



a *Alpheus christofferseni*
Bocas del Toro. Dorsal view

d *Alpheus naos*
Naos. Dorsal view. Vista dorsal

b *Alpheus christofferseni*
Bocas del Toro. Vista dorsal

e *Alpheus naos*
Culebra, Naos. Lateral view.
Vista lateral

c *Alpheus christofferseni*
Lateral view. Vista lateral)

New species from Bocas and Culebra

Recently, STRI postdoctoral fellow Arthur Anker from the University of Alberta, Carla Hurt from the University of Miami doing research at Bocas del Toro, and STRI former staff scientist Nancy Knowlton recently appointed marine chair at SI's National Museum of Natural History, published the article "Three transisthmian snapping shrimps (Crustacea: Decapoda: Alpheidae: *Alpheus*) associated with innkeeper worms (Echiura: *Thalassematidae*) in Panama" in *Zootaxa*

(1626: 1-23). In the article, the authors describe two new species of snapping shrimps *Alpheus*, *Alpheus christofferseni* found in Brazil and Bocas del Toro on the Caribbean side of Panama, and *Alpheus naos*, found in Punta Culebra, on the Pacific.

The Bocas specimen of *A. christofferseni* was collected on Isla Carenero, near the Buccaneer Resort, 15m from shore at a depth of 50cm in a fine sand flat with sea grass.

The second species, *Alpheus naos* was named after Naos Island (Isla Naos) where the type locality (Punta Culebra) and STRI's Naos Island Laboratories are situated. The holotype was collected by hand from a burrow under large mud-covered rocks, in the rocky intertidal, near the extreme low tide mark. You may ask for the article at: calderom@si.edu

Recientemente, el becario postdoctoral de STRI Arthur

More departures

Fernando Pascal to Washington DC, on official business at SI.

Audrey Smith to Washington DC, to follow up on the Congressional visit, Climate Change Conference, and to meet with staff of OMD to organize the SI Corporate members. Then on a short vacation.

Bill Laurance, to attend meeting with SI National Board.

New publications

Anker, Arthur, Hurt, Carla, and Knowlton, Nancy. 2007. "Three transisthmian snapping shrimps (Crustacea: Decapoda: Alpheidae: *Alpheus*) associated with innkeeper worms (Echiura: Thalamematidae) in Panama." *Zootaxa* 1626: 1-23.

Brenes-Arguedas, Tania, Coley, Phyllis D., and Kursar, Thomas A. 2007. "Divergence and diversity in the defensive ecology of *Inga* at two Neotropical sites." *Journal of Ecology Online*.

Lewis, Owen T., and Basset, Yves. 2007. "Insect conservation in tropical forests." In Stewart, Alan J. A., New, T.R., and Lewis, Owen T. (Eds.) *Insect conservation biology*: 34-56. Wallingford: The Royal Entomological Society and CABI.

Niegel, J., Domingo, Alana, and Stake, J. 2007. "DNA barcoding as a tool for coral reef conservation." *Coral Reefs* 26(3): 487-499.

Anker de la Universidad de Alberta, Carla Hurt de la Universidad de Miami quien hizo investigaciones en Bocas del Toro, y Nancy Knowlton, hasta hace poco científica de STRI (recientemente nombrada directora marina del Museo Nacional de Historia Natural del Smithsonian en Washington DC) publicaron el artículo "Three transisthmian snapping shrimps (Crustacea: Decapoda: Alpheidae: *Alpheus*) associated with innkeeper worms (Echiura: Thalamematidae) in Panama"

en *Zootaxa* (1626: 1-23). En el artículo, los autores describen dos nuevas especies de camarones chasqueadores *Alpheus*, *Alpheus christofferseni* encontrado en Brasil y Bocas del Toro en el lado del Caribe de Panamá, y *Alpheus naos*, encontrado en Punta Culebra, en la costa del Pacífico.

El espécimen de *A. christofferseni* de Bocas del Toro se colectó en Isla Carenero cerca del Buccaneer Resort, a 15m de la costa a una profundidad de 50cm, en una plataforma de arena y pasto marino. La

segunda especie, *Alpheus naos* fue bautizada en honor a Isla Naos donde se encuentra el Centro Natural de Punta Culebra, hogar de la especie fue colectado a mano en una madriguera bajo grandes rocas cubiertas de fango, en el área rocosa de entremareas, cerca de la marca de la marea baja extrema.

Puede pedir el artículo a: calderom@si.edu

Robert Stimming visits STRI

Robert Stimming, STRI donor from Arizona, visited STRI's Galeta Marine Laboratory this past week with Stanley Heckadon Moreno, director of the Office of Communications and Public Programs, and Marguerite Butler, from STRI's Development Office in Washington DC.

Early this year, Stimming provided the funds to create an internship for university students in biology, natural resources, environmental engineering, tourism, education, geography and history, architecture, economy, sociology, or political sciences interested in doing research based at the Galeta facilities to complete their undergraduate theses.

The first "Stimming internship" was awarded this year to Alfredo Lanuza, biology student at the University of Panama in Colón.

The photo above shows (from the left) Butler, Stimming and Heckadon on their way to the



city of Colón, on the Caribbean side of the Panama Canal, onboard the Panama Canal Railway Company trans-isthmian train.

El donante de STRI, Robert Stimming, del estado de Arizona, visitó el Laboratorio de Punta Galeta de STRI esta semana con Stanley Heckadon Moreno, director de la Oficina de Comunicaciones y Programas Públicos, y Marguerite Butler, de la Oficina de Desarrollo Institucional de STRI en Washington DC.

A principios del año, Stimming donó fondos para crear una pasantía para estudiantes universitarios en biología, recursos naturales, ingeniería ambiental, turismo, educación,

geografía e historia, arquitectura, economía, sociología, o ciencias políticas, interesados en llevar a cabo investigaciones desde las instalaciones de Galeta para completar sus estudios para su trabajo de graduación.

La primera "Pasantía Stimming" fue otorgada este año a Alfredo Lanuza, estudiante de biología de la Universidad de Panamá en Colón.

La foto muestra a Butler (desde la izquierda), Stimming y Heckadon camino a la ciudad de Colón, en la entrada del Caribe al Canal de Panamá, a bordo del tren trans-ístmico de Panama Canal Railway Company.

STRI's Fellowship Program

■ The Smithsonian Tropical Research Institute (STRI), is a division of the Smithsonian Institution in Washington DC and maintains research facilities for marine and terrestrial research at various locations on the Isthmus of Panama. STRI offers fellowships for undergraduate, predoctoral and postdoctoral research in the areas represented by its scientific staff. Disciplines include ecology, anthropology, paleontology, paleoecology, evolutionary biology, molecular phylogenetics, biogeography, animal behavior, neurobiology, soils sciences, and physiology of tropical plants and animals. Fellowships administered directly by STRI are:

Earl S. Tupper Three-Year Postdoctoral Fellowship

Deadline: January 15 of each year. Applications should include a research proposal with budget, curriculum vitae,

two letters of recommendation, and names of three additional references. Applicants should consult with STRI scientists asked to serve as advisors before submitting the final application.

Short Term Fellowships

Deadlines: February 15, May 15, August 15 and November 15 of each year. Support is provided to carry out short-term research projects in the tropics.

Fellowship Program for students in Latin America

Deadlines: February 15, May 15, August 15 and November 15. Support is provided for short-term projects and internships. Candidates must be from universities in Latin America, particularly Central America and Panama.

A. Stanley Rand Fellowship

Program. Deadlines: February 15, May 15, August 15 and November 15. Support is provided for short-term

research in the tropics focused on animal behavior, natural history, evolutionary biology, plant and animal ecology and environmental monitoring.

Applications to STRI may be submitted in either English or Spanish. They should consist of one printed copy, plus one electronic copy of all requested materials. The electronic copy should be submitted on a CD or by e-mail to fellows@si.edu, as a single file in Word, WordPerfect, or preferably PDF, including application form, proposal with budget and CV.

Send hard copy of the application to STRI/Office of Academic Programs, Unit 0948, APO AA 34002-0948 (from the US); or Apartado 0843-03092, Balboa, Panama from elsewhere.



For more information and instructions about STRI fellowships visit www.stri.org, or contact fellows@si.edu

Awards are based on merit, without regard to race, color, religion, gender, national origin, age or disability of the applicant

SI 10-Week Graduate Student Fellowships

Deadline: Jan 15, 2008. For graduate students or PhD students not advanced to candidacy to carry out research under the guidance of a Smithsonian staff member.

SI Postdoctoral, Senior Postdoctoral and Predoctoral Fellowships

Deadline: Jan 15, 2008. Postdoctoral Fellowships are offered to scholars who have held the PhD degree or equivalent for less than seven years. Senior Postdoctoral Fellowships are offered to candidates who have had their PhD for seven years or longer. Predoctoral Fellowships are offered to PhD students advanced to candidacy. Fellowships are from three months to two years depending on research.

SI Molecular Evolution Postdoctoral Fellowships

Deadline: 15 Jan 2008. For scholars who have held a doctoral degree or

equivalent for less than seven years, to support research on an aspect of molecular evolution, population genetics, or systematics.

For more information on fellowships administered by the SI Office of Research Training and Services visit: www.si.edu/research+study

For direct mail to the Office of Research Training and Services

Office of Research Training and Services
Smithsonian Institution
470 L'Enfant Plaza SW Suite 7102
MRC 902 PO Box 37012
Washington, DC 20013-7012

For express mail services:
Office of Research Training and Services
Smithsonian Institution
470 L'Enfant Plaza SW Suite 7102
Washington, DC 20024

Those applying to fellowships administered by the SI Office of Research Training and Services should also send one electronic copy of the entire application to

fellows@si.edu



■ The Smithsonian Institution, through its Office of Research Training and Services in Washington, DC also has fellowship programs that include research at STRI. These fellowships are:



Herbaria of Panama



Herbarium of the University of Panama

Prof. Mireya D. Correa A.
Director of the Herbarium
Noris Salazar A. PhD
Bryophytes curator

The Herbarium of the University of Panama (PMA), founded in 1968, is the largest of the Republic. It holds 60,000 specimens of vascular plants, approx. 1500 types and 10,000 bryophytes and lichens, in addition to a small collection of macrofungi.

<http://www.up.ac.pa/herbariopanama/index.html>



Smithsonian Tropical Research Institute

Prof. Mireya D. Correa A.
Herbarium director, STRI

The Herbarium of the Smithsonian Tropical Research Institute was founded by the US Army Tropic Test Center in 1964. Since then it has been housed in many different places. Today it is located in STRI' Earl S. Tupper Research Center, in Ancon.

<http://www.stri.org/herbarium>



Herbarios de Panamá



Herbario de la Universidad de Panamá

Prof. Mireya D. Correa A.

Directora del Herbario

Dra. Noris Salazar A.

Curadora de Briofitas

El Herbario de la Universidad de Panamá (PMA), fundado en 1968, es el más grande de la República. Cuenta con 60 000 especímenes de plantas vasculares, aprox. 1500 tipos y 10 000 de briofitas y líquenes, además de una pequeña colección de hongos.

<http://www.up.ac.pa/herbariopanama/index.html>



Instituto Smithsonian de Investigaciones Tropicales

Prof. Mireya D. Correa A.

Directora, Herbario de STRI

El Herbario del Instituto Smithsonian de Investigaciones Tropicales (STRI) fue fundado por el US Army Tropic Test Center en 1964. Desde entonces ha funcionado en diferentes instalaciones y hoy en día **se encuentra en el Centro Earl S. Tupper de STRI, en Ancón**

<http://www.stri.org/herbarium>

