TUPPER CENTER SEMINARS
Tuesday, September 5, noon seminar speaker will be Thomas Eltz, University of Würzburg, Germany

Fragrance Biology and Behavior of Male Orchid Bees

Abstract
Pollination by fragrance-collecting male orchid bees (Apidae: Euglossini) is a widespread phenomenon in neotropical plant communities. The role that the fragrances play in bee biology is still poorly understood. Data from a recent study, involving mark-recapture and behavioral observation of caged bees, as well as gas chromatographic analysis of the male bees' fragrance supplies suggest that the latter may serve as an indicator of male age and foraging abilities and that male behavior evolved by sexual selection.

NAOS LABS LUNCHEON
Friday, September 8, Naos Laboratories luncheon seminar speaker will be José López, George Mason University

Transportation and Amplification of mtDNA into the Nucleus of Cats

PEOPLE

Arrivals
- Martin Wikeiski and Michaela Hau, University of Washington, Sep 2-17, to study the synchronization of breeding cycles in tropical birds, at Gamboa.
- Larry Lutz, University of Kansas, Sep 4-4 Oct, for a study of the biodiversity of insects of BCI and other sites, with Don Windsor, at BCI.
- Ralf Kaemmerer, Mellon visiting scientist from Frei University, Germany, Sep 6-31 Aug, 1997, to work with Hans Bohnert in the study of metabolic pathways for assimilation of carbon dioxide in vascular plants, at Tupper.
- Mairi Best, STRI Pre-doctoral fellow from the University of Chicago, Sep 8-7 Dec, to study the taphonomy of tropical molluscan assemblages: comparative of carbonate and silicilastic marine environments of the San Blas Archipelago, Caribbean Coast of Panama, at San Blas.
- Members of the New Research Initiatives Workgroup, Olav Oftedal, NWP, David Correl, Helen Dalasky, SERC, Jim Davies, SAF, Anna Behrensmeier, NMNH, Ted Maxwell, NASM, Sep 5-8, to hold round table discussions with the STRI scientific staff on the new SI initiative Change and Sustainability of Earth Resources.
- Orantel Aquilera, Marie Aubrey, William Bergren, Pamela Bourne, Laurel Collins, Antoine Heitz, Peter Jung, Donald McNell and Jon Tood, Sep 5-30, to participate in an expedition to Bocas del Toro organized by Deputy Director Anthony Coates.

Reminder ••• Recorderis
Mon, Sep 4 is the celebration of the Labor Day in the United States, and a Holiday for STRI. The Library will remain closed on Sat, Sep 2, to allow its personnel to enjoy the long week-end ••• El lunes 4 de septiembre se celebra el Día del Trabajo en los Estados Unidos y es día feriado para STRI. El sábado 2 de septiembre la biblioteca se mantendrá cerrada, para permitir a su personal disfrutar del fin de semana largo.

(•) Complete Dedication Remarks by Ira Rubinoff in GroupWise: BCI.NEW
James W. Dyer, staff director of the U.S. House of Representatives Appropriations Committee and Don Hardy, chief of staff of Senator Simpson. With them, John Berry, director of the SI Office of Government relations, Sep 8-11, to visit STRI facilities and learn about our programs and projects.

Departures
- Ira Rubinoff, Sep 3-9, to Washington, D.C. and Charleston, SC, on official business.
- Elena Lombardo, Sep 3-9, to Washington D.C. on official business at SI.
- Llewellyn Hills, Sep 3-11, to Newcastle, UK, to attend the International Society for Reef Studies Workshops: Biology and Geology of Coral Reefs.
- Harlaos Lessios, Sep 3-13, to Edinburgh, Scotland, to attend the 5th Congress of the European Society for Evolutionary Biology. Then to Washington D.C. to attend the "Molecular Retreat".
- Jose Espino, Sep 3-17, to Tegucigalpa, Honduras, to give a diving course for those who will be diving at the Cayos Cochinos Station. Then to the station to inspect and give maintenance to the diving equipment.

Congratulations
To Mike Ryan and Marsha Ryan, for the birth of their daughter Lucy Michaela Ryan, on Monday, August 28.

THINGS YOU SHOULD KNOW

New Phone Numbers for Galeta

*Números de Teléfono Nuevos en Galeta*

The Galeta Laboratory staff had been notified that its phone numbers will change in the next few days. As soon as the numbers change, the Tupper Center and Naos receptionists will be notified. ***El personal de los laboratorios de Galeta ha sido notificados que en los próximos días los números de teléfono del laboratorio van a cambiar. Tan pronto se cambien, se dará la información a la recepción del Centro Tupper y Naos.***

Moving ***Mudanza***

Luis D'Croz moved to the Surfside Laboratories at Naos. His phone number is 228-4049. ***Luis D'Croz se mudó a los Laboratorios de "Surfside" en Naos. Su número de teléfono es el 228-4049.***

IV Eco-Photografic National Contest Exhibition

*Exhibición del IV Concurso Nacional Ecofotográfico*

On Tuesday, September 5, an exhibition of the photos of the IV Eco-Photographic National Contest will open to the public at the Tupper Center Exhibit Hall, 1pm. This exhibition opened at the Nature Metropolitan Park last June during the winning ceremony, with the support of Canon de Panama, FotoZoom, and the Metropolitan Park. The exhibit will open from 8am-5pm until Friday, September 15. ***La exhibición de las fotos del IV Concurso Nacional Ecofotográfico será presentada al público en el Salón de Exhibiciones del Centro Tupper desde el martes 5 de septiembre a la 1pm. Esta exhibición fue inaugurada en el Parque Natural Metropolitano en junio de este año durante la ceremonia de premiación, patrocinada por Canon de Panamá, FotoZoom y el Parque Natural Metropolitano. La exhibición estará abierta de 8am-5pm hasta el viernes 15 de septiembre.***

At the Tupper Center

Tue, Sep 5  Noon seminar by Thomas Eltz, AUD.  
- Scientific Support Staff meeting, LMR, 2pm

At the Culebra Marine Reserve

Tue, Sep 5  The Oxford School  
Wed, Sep 6  The Oxford School  
Thu, Sep 7  Instituto Cultural  
Sat, Sep 9  Military Family Support Group

At Barro Colorado Island Station

Sat, Sep 2:  Colegio Internacional SEK de Panamá and ASNOVII/Universidad Tecnológica  
Sun, Sep 3:  USMA (Ingeniería Eléctrica)  
Sat, Sep 9:  Sociedad Audubon de Panamá and visitors from Panama  
Sun, Sep 10:  Colegio San Vicente de Paul

ANNOUNCEMENTS

Roubik: the "Beeman" *•** Roubik: "Hombre Abeja"  

The film "Beeman" featuring David Roubik's research about the ecology, behavior and evolution of bees, won an award at an International Wildlife Film Festival in Japan, "for best educational wildlife film". *Beeman* was shown at the Tupper Center Auditorium for the STRI community, on Tuesday June 6 by Oxford Scientific Films. ***El video "Beeman" que muestra las actividades de David Roubik en el estudio de la ecología, comportamiento y evolución de las abejas, ganó un premio en Japón, en el Festival Internacional de Cine de Vida Silvestre, "por ser la película más educativa sobre vida silvestre". "Beeman" fue presentada en el auditorio del Centro Tupper el martes 6 de junio por la comunidad de STRI, por la compañía productora "Oxford Scientific Films".***

Gran Limpieza de Playas

Los voluntarios de ANCON invitan a la comunidad de STRI a participar en la próxima "Gran Limpieza de Playas" el domingo 17 de septiembre en diferentes playas a lo largo del territorio panameño. El evento es coordinado a nivel mundial por el Centro Internacional para la Conservación Marina con sede en Washington, D.C. Interesados favor de llamar a ANCON, tel 264-8100.
Research Awards

The Smithsonian Tropical Research Institute and the Organization for Tropical Studies announce five research awards, funded by a grant from the Andrew W. Mellon Foundation. Applications are invited from established investigators in all fields of ecological and evolutionary biology to conduct comparative research between STRI and OTS field sites in Panamá and Costa Rica. Awards include summer salary for up to three years and appropriate travel funds. Successful applicants are expected to apply other resources to support research. To be considered, applicants need to send a complete CV and a proposal of approximately five pages. The proposal should contain a concise description of the proposed comparative research, and how the award will facilitate subsequent comparative research, and how the award will facilitate subsequent comparative studies between STRI and OTS sites. Proposals should also include a brief description of current and prior funding relevant to the project, with details concerning how these other resources will be applied to the project. Applications will be accepted until December 1995, addressed to the Office of Fellowships and Education, Smithsonian Tropical Research Institute, Apartado 2072, Balboa, Panamá.

Curso en la Universidad de Panamá

Como parte del acuerdo de colaboración científica que existe entre STRI y la Universidad de Panamá, Gregory Gilbert, becario postdoctoral de STRI, dictará un curso de la Introducción a las Relaciones entre Plantas y Hongos en el Departamento de Botánica de la Universidad de Panamá. El curso, de 4 créditos es de un semestre (septiembre-diciembre) con un horario de 6:20-9:35pm los martes y los jueves. Aunque cualquiera puede asistir a las conferencias del curso como oyente, es necesario ser estudiante registrado en el curso para obtener los créditos. Mayor información en el Departamento de Botánica de la Universidad de Panamá.

NEW STRI PUBLICATIONS


NEW STRI BOOKLIST

Alejandro de Humboldt: la naturaleza, idea y aventura.  
Ref Q413.H9A6714 1993X STRI.

Animal behavior desk reference / EM Barrow.  
Ref QL750.3.B37 1995X STRI.

qQK495.G74P96 1994X STRI.

Biochemical and cellular mechanisms of stress tolerance in plants / edited by JH Cherry.  
SB112.5.B56 1994X STRI.

Climate change: science, impacts and policy: proceedings of the Second World Climate Conference / edited by J.Jager & HL Ferguson.  
QC981.8.C5W68 1990X STRI.

AM141.C65 1992X STRI.

Darwin's laboratory: evolutionary theory and natural history in the Pacific / edited by R.MacLeod & PE Rehbock.  
QH198.A1D37 1994X STRI.


Encyclopedia of fishes / JR Paxton & WN Eschmeyer, consultant editors.  
Ref qQL614.7.E56 1995X STRI.

CN476.73.E84 1995X STRI.

Ref QK75.138 1994X STRI.

Phanerozoic stromatolites II / edited by J.Bertrand-Sarfati & C.Monty.  
QE955.P47 1994X STRI.

Re-reading cultural geography / edited by KE Foote.  
GF43.R4 1994X STRI.

Searching for Panama: the U.S.-Panama relationship and democratization / MFalcoff & RL Millett.  
E183.8.P2F35 1993X STRI.

Swallowtail butterflies of the Americas: a study in biological dynamics, ecological diversity, biosystematics, and conservation. / HA.Tyler et al.  
Q1.561.P2T82 1994X STRI.

Taxonomic literature: a selective guide to botanical publications and collections with dates, commentaries and types. Supplement III: Br-Ca / FA Stafleu & EA Mennega.  
Ref Z5351.S77 1976 Suppl.III STRI.