

Tupper seminar

No noon seminar scheduled for Tuesday, August 3.

Bambi seminar

Thursday, August 5, Bambi seminar speakers will be Leslie Morefield, Appalachian State University, and Greg Goldsmith, Bowdoin College, ME

Don't step on that seedling! The effects of long-term research on seedlings in BCI's 50 ha plot

Arrivals

Greta Goranova, University of Louisiana at Lafayette, Jul 31 - Aug 11, to study mangrove genetic structure and dispersal over a latitude gradient.

Erik Lindquist, Messiah College, Pennsylvania, Aug 1-9, to work with the Golden Frog Project, at Tupper.

Ryan Taylor, University of Texas at Austin, Aug 1-15, to study the effects of visual signaling of female choice in the Túngara frog, in Gamboa.

Robert Ewers, postdoctoral fellow from the University of Canterbury, UK, Aug 1- Jul 30, 2005, to study the economic development, tropical deforestation and scenarios for future biodiversity loss, at Tupper.

Rowan Martin, Oregon State University, Aug 1 - Oct 6, to work as volunteer with Randall Moore, on BCI.



Smithsonian Tropical Research Institute, Panamá

www.stri.org

July 30, 2004



Fun entertainment for school break at Culebra

STRI's Marine Exhibition Center at Culebra is offering free entertainment for children (3 and older) during school break from Tuesday, July 27 to Saturday, August 7, from 10am to 6pm. The program includes art workshops with different techniques (3-12 years old), story telling (4-8 years old), bird watching and visits to the rocky shores (8 and older). A series of talks are scheduled for the afternoon: On Wednesday, July 28, David Roubik talked about Africanized honey bees in Panama. On Friday, July 30, 4pm, Jorge Ventocilla will talk about urban flora and fauna. On Wednesday, August 4, 4pm, Argelis Ruiz will offer a presentation on marine turtles in Panama. On Friday, August 6, 4pm, José Guillermo Sánchez will present The World of Ants, at 4pm. The photo shows Lidia Valencia telling a story to a group of children. Reservations at: Tel: 212-8793, 212-8794.

El Centro de Exhibiciones Marinas de Culebra está ofreciendo entretenimiento gratis para niños (3 años o más) durante las vacaciones de medio año, del martes 27 de julio al sábado 7 de agosto desde las 10am a las 6pm. El programa incluye talleres de arte con técnicas variadas (3-12 años), cuenta cuentos (de 4-8 años), observación de aves y exploraciones al litoral rocoso (8 en adelante). Una serie de charlas están programadas para las tardes. El miércoles 28 de julio, David Roubik habló sobre las abejas de miel africanizadas en Panamá. El viernes 30 de julio, 4pm, Jorge Ventocilla hablará sobre la flora y fauna urbana. El miércoles 4 de agosto, 4pm, Argelis Ruiz ofrecerá una presentación sobre las tortugas marinas en Panamá. El viernes 6 de agosto, 4pm José Guillermo Sánchez presentará "Mundo de las Hormigas". La foto muestra a Lidia Valencia contando un cuento a los niños que llegaron de visita. Reservas y mayor información: Tels. 212-8793, 212-8794.

More arrivals

Jessie Knowlton, Oregon State University, Aug 1 - Oct 6, to work with Douglas Robinson, in Gamboa.

Monica Mejía, short-term fellow from the University of Cambridge, UK, Aug 1 - Sep 15, to study the ecological and physiological responses of epiphytic Bromeliads in western Panama, at Tupper and Fortuna.

Thomas Lambert, University of Toronto, Aug 3 - Aug 3, 2005, to join the Automated Radio Tracking System (ARTS), on BCI.

Roland Kays, New York State Museum, Aug 3-15, to continue research with ARTS.

Jonathan Howell, Old Dominion University, Virginia, Aug 4-12, to study the environmental factors influencing the activity patterns of leaf-cutting ants, at Tupper.

Jennifer Powers, University of Minnesota, Aug 5-11, to study the effects of nutrient augmentation on soil microorganisms, on BCI.

Departures

Mireya Correa, Jul 30 - Aug 9, to Guatemala, to evaluate the herbarium of the University of San Carlos and to attend a seminar organized by INBio.

Noris Salazar, Aug 1, to Guatemala to attend seminar organized by INBio.

David Roubik, Aug 4-23, to Quito, to consult with colleagues at the PUCE and visit the Yasuni National Park.

Benjamin Turner: new staff scientist at STRI

Soil scientist Benjamin Luke Turner accepted the position of Soil Microbial Scientist advertised by STRI in *Science* and our web page, effective January 2005. Turner is a graduate in Geography from the University of Sheffield and received his Ph.D. in Soil Science in 2000 from the University of London, UK with the thesis *Biological controls of the solubilisation of phosphorus in grassland soils*. He is currently working as Soil Scientist in the United States Department of Agriculture-Agricultural Research Service Northwest Irrigation and Soils Research Laboratory in Kimberly, Idaho. Turner has an extensive bibliography including two edited books in press: *Organic phosphorus in the environment* with Darren Baldwin; and *Phosphorus transfer from agricultural soils to surface waters: An integrated interdisciplinary framework* with Philip Haygarth, Louise Heathwaite and Leo Condon; and an article in *Nature* (17 May 2001) "Phosphorous solubilization in rewetted soils" with Haygarth. He is interested in the characterization of the chemical composition of major nutrients in tropical environments; the role of soil microbial biomass in nutrient cycling; organic nutrient acquisition by plants; regulation of plant species diversity by nutrient availability; and pollutant transfer of nutrients from terrestrial to aquatic environments.

El científico de suelos Benjamin Luke Turner aceptó la posición de científico de suelos microbial anunciada por STRI en *Science* y en nuestro sitio de Internet, a partir de enero de 2005. Turner se graduó en Geografía en la Universidad de Sheffield y recibió su doctorado en Ciencias de Suelos en 2000 de la Universidad de Londres con la tesis *Biological controls of the solubilisation of phosphorus in grassland soils* [Controles biológicos de la solubilización de fósforo en suelos de pasto]. Actualmente está trabajando como científico de suelos en el Departamento de Agricultura de EU, Servicio de Investigaciones de Agricultura, Laboratorio de Investigaciones de Suelos e Irrigación del Noroeste en Kimberly, Idaho. Turner tiene una extensa bibliografía incluyendo dos libros coeditados (en prensa): *Organic phosphorus in the environment* [Fósforo orgánico en el ambiente] con Darren Baldwin y *Phosphorus transfer from agricultural soils to surface waters: An integrated interdisciplinary framework* [Transferencia de fósforo de suelos de cultivo a aguas superficiales: Estructura interdisciplinaria integrada] con Philip Haygarth, Louise Heathwaite y Leo Condon; y un artículo en *Nature* (17 de mayo, 2001) "Phosphorous solubilization in rewetted soils" [Solubilización del fósforo en suelos re-humedecidos] con Haygarth. Sus intereses son la caracterización de la composición química de los nutrientes más importantes en ambientes tropicales; el papel de la biomasa microbial de los suelos en el ciclo de los nutrientes; adquisición orgánica de nutrientes de las plantas; regulación de la diversidad de especies de plantas por la disponibilidad de nutrientes; y la transferencia de contaminantes por nutrientes de ambientes terrestres a marinos.



Project proposals submission next deadline: October 30th, 2004. More information at http://europa.eu.int/comm/europeaid/projects/alfa/index_en.html

More departures

Ira Rubinoff, Aug 9-21, to Taipei, Taiwan, to attend a CTFS symposium and visit the Forest Dynamics Plot in Fu-Shan, and to the opening of the new Center for Tropical Ecology at Tunghai University.

New publications

Borrell, Brendan J. and Medeiros, Matthew J. 2004. "Thermal stability and muscle efficiency in hovering orchid bees (Apidae: Euglossini)." *The Journal of Experimental Biology* 207(17): 2925-2933.

Brown, C., Gardner, C. and Braithwaite, V.A. 2004. "Population variation in lateralized eye use in the poeciliid *Brachyraphis episcopi*." *Proceedings of the Royal Society (London) B Online*.

Christianini, Alexander V. and Machado, Glauco. 2004. "Induced biotic responses to herbivory and associated cues in the Amazonian ant-plant *Maieta poeppigii*." *Entomologia Experimentalis et Applicata* 112(2): 81-88.

Collin, Rachel. 2004. "Phylogenetic effects, the loss of complex characters, and the evolution of development in calyptroid gastropods." *Evolution* 58(7): 1488-1502.

Heckadon Moreno, Stanley. 2004. "El naturalista Ernesto Restrepo Tirado en el río Tuira, Darién, 1887." *"Epocas" Segunda Era (Supplement to La Prensa)* 19(7): 10-11.

More publications

Howe, Henry F. and Miriti, Maria N. 2004. "When seed dispersal matters." *BioScience* 54(7): 651-660.

Laurance, William F. 2004. "The perils of payoff: corruption as a threat to global biodiversity." *Trends In Ecology & Evolution* 19(8): 399-401.

Laurance, William F., Stouffer, Philip C. and Laurance, Susan G. 2004. "Effects of road clearings on movement patterns of undestory rainforest birds in Central Amazonia." *Conservation Biology* 18(4): 1099-1109.

Lovette, Irby J. 2004. "Molecular phylogeny and plumage signal evolution in a trans Andean and circum Amazonian avian species complex." *Molecular Phylogenetics and Evolution* 32: 512-523.

Palmiotto, Peter A., Davies, Stuart J., Vogt, Kristiina A., Ashton, Mark S., Vogt, Daniel J. and Ashton, Peter S. 2004. "Soil-related habitat specialization in dipterocarp rain forest tree species in Borneo." *Journal of Ecology* 92(4): 609-623.

Tieleman, B.I., Williams, J.B. and Ricklefs Robert, E. 2004. "Nest attentiveness and egg temperature do not explain the variation in incubation periods in tropical birds." *Functional Ecology* 18(4): 571-577.

Uy, J. Albert C. and Endler, John A. 2004. "Modification of the visual background increases the conspicuousness of golden-collared manakin displays." *Behavioral Ecology* Online.

Marine Invertebrate Taxonomy Workshop

STRI Staff Scientist Rachel Collin, Gabriel Jacome and the staff at the Bocas del Toro Reseach Station will host the second Marine Invertebrate Taxonomy Workshop from August 2-14.

Participants include:

Dale Calder, Royal Ontario Museum Hydroids
Harim Cha, University of Kansas Sea anemones
Darryl Felder, University of Louisiana Crabs
Emilio García Molluscs
Matthew Hooe, University of Maine Flatworms
Lisa Kirkendale, University of Florida Hydroids
Rafael Lemaitre, NMNH, Smithsonian Crabs
John Norenberg, NMNH, Smithsonian Nemertians
Cynthia Santos, Universidade de São Paulo Nemertians
Anje Schulze Sipunculus
Kevin Tilbrook, MNMH, Smithsonian Bryozoans
Seth Tyler, University of Maine Acoels (Flatworms)
Judith Winston, Virginia Museum of Natural History Bryozoans



Chave, Jerome. 2004. "Tropical forest inventories and global change research." *Inside CTFS* 2004(Summer): 3, 15.

Dattaraja, H.S. and Sukumar, R. 2004. "Tropical dry forest diversity of Mudumalai, Southern India." *Inside CTFS* 2004(Summer): 8-9.

Kanzaki, Mamoru. 2004. "Progress in the Doi Inthanon Forest Dynamics Plot." *Inside CTFS* 2004(Summer): 10.

Kassim, Rahman. 2004. "Population dynamics of dipterocarps at the 5-ha Pasoh Forest Dynamics Plot." *Inside CTFS* 2004(Summer): 11, 14.

Laurance, William F. 2004. "Possible effects of atmospheric change on Amazonian tree communities." *Inside CTFS* 2004(Summer): 2, 3, 15.

Losos, Elizabeth C. 2004. "Leaving a paper trail." *Inside CTFS* 2004(Summer): 1.

Makana, Jean-Remy, Hart, Terese H., Ewango, Corneille E.N., Liengola, Innocent and Thomas, Sean C. 2004. "Tree demography and population change in the Ituri Forest Dynamics Plots, Democratic Republic of Congo." *Inside CTFS* 2004(Summer): 5, 14.

Sukumar, R., Dattaraja, H.S. and Sureh, H.S. 2004. "The dynamics of a tropical dry forest in the Madumalai Forest Dynamics Plot, Southern India." *Inside CTFS* 2004(Summer): 809.

Thomas, Duncan, Kenfack, David and Chuyong, George. 2004. "Measuring the alpha diversity of trees: Is this a useful tool for biodiversity assessment?" *Inside CTFS* 2004(Summer): 6-7.

Willis, Christopher. 2004. "What good is diversity." *Inside CTFS* 2004(Summer): 4.

August birthdays

Juan C. Roqueiro	1
Nurys Palacios	1
Lidia deValencia	2
Donald Windsor	4
Alejandro Hernández	6
Carlos Bonilla	7
Ricardo Gómez	7
Ayda Carrasco	8
Rafael Aizprúa	8
Marcelo Renno	8
Erick Lam	9
César Rafael Mares	9
Aizpuro Martínez	11
Luis Polanco	13
Ross Robertson	13
Véctor Pérez	13
Jorge Luis González	14
Mónica Barreto	16
Salomón Aguilar	16
Arabelle de Obaldía	17
Ricardo Cajar	18
Marcel Epailly	18
Jennifer Saucedo	19
Mary Jane West Eberhard	20
Apolinar Guerrero	20
Vanessa Sánchez	24
Vielka del C. Downer	24
Marissa Batista	25
Iris Menotti	26
Patrizia Pinzón	27
Guillermo Caballero	27
Jose Carrión	27
Juan Maté	27
Amalia Herrera	28
Leonard Hirsch	28
Oswaldo Calderón	29
Francisco Rivera	30
Alberto Sánchez Gil	30

For rent

Apartment in Albrook. 2bedrooms, 1bath, great garden, quiet neighborhood. Partially furnished. \$450 per month. Please call Chimene 276-6621 or 674-6621

For sale

Three hand made wooden rocking cradles. Perfect conditions. Interested please call Juan Carlos Ricaurte or e-mail: ricaurtej@si.edu