

STRI newsletter

August 6, 1993

SMITHSONIAN TROPICAL RESEARCH INSTITUTE - Apartado 2072, Balboa, Panamá

No. 32

TUPPER CENTER SEMINARS

Tuesday, Aug 10, noon seminar speaker will be Cristian Samper, FES Foundation, Colombia

Regeneration in an Andean Cloud Forest

Abstract

Tropical forests are a shifting mosaic of patches as a result of disturbance and subsequent regeneration. Small canopy gaps result from tree falls and create areas where microclimates differ from the surrounding understory. These patches may be viewed as foci for limited resources such as light. I test the hypothesis that canopy gaps are "safe" sites for plant establishment and discuss the role of natural disturbance in Andean forest regeneration.

PEOPLE

Arrivals

- Cristian Samper, director of the Environment and Natural Resources Division, FES Foundation, Colombia, Aug 6-12, invited by the Office of External Affairs, to visit STRI and present a seminar.
- Douglas Colwell, Lethbridge Research Station, Canada, Aug 7-18, to work with Katherine Milton, on BCI.
- Kenneth Clifton, to begin his post-doctoral appointment, from Aug 8-Jul '94, to study the diel feeding patterns by herbivorous coral reef fishes, in San Blas.
- John Tobin, Harvard University, Aug 10-4 Sep, to conduct a study on diversity, community structure and energetics in a Neotropical forest canopy assemblage, on BCI.

New Address for Alan Smith

Through September 1993, Alan Smith can be reached at the following address: 1928 Harrison Street, Apartment UR, Hollywood, Florida 33020. Tel. (305) 922-9503.



On Thursday, July 29, Bill Eberhard launched the University of Panama-STRI seminar program for this year with a provocative yet entertaining talk on "Female Power: Cryptic Sexual Selection by Females" ••• El jueves 29 de julio, Bill Eberhard inició el programa de seminarios de la Universidad de Panamá-STRI este año, con la provocativa y entretenida conferencia: "La Hembra Manda: Selección Sexual por Escogencia Crítica de la Hembra."

(Foto: M.A. Guerra)

THINGS YOU SHOULD KNOW

SI Women's Committee Call for Proposals

September 30 is the upcoming deadline for proposals to the Smithsonian Women's Committee. The committee provides awards (\$1,500-25,000) toward projects in the areas of education, "innovative SI programming, research that serves the public interest, or collection acquisitions or conservation. The necessary forms and guidelines are available through STRI's Office of Education or the Director's Office. The cover form for proposals must be signed by Ira Rubinoff; therefore, proposals should be brought to his office no later than Tuesday, Sep 28. Should you need advice on whether your project is appropriate for submission, contact the STRI Development Office (SDO) at (202)786-2817. In the past, the Women's Committee has coordinated review of STRI proposals through the SDO. Therefore, you should be sure to send a copy of the proposal to Lucy Dorick so that SDO staff are aware of all submissions from STRI.

Mellon Fellowship Nominations

Nominations for the Mellon Fellowship awards are due September 1. The Mellon Fellowship Program is administered by the Smithsonian's Office of Fellowships and Grants, and provides funds to bring scholars in botany to the Smithsonian to participate in collaborative research with SI staff. Guidelines have been distributed to STRI staff.

At Tupper Center

- Tue, Aug 10 Noon seminar by Cristian Samper, Auditorium.
 Scientific Staff Meeting, Large Meeting Room, 1:30pm.
Forum de Periodistas por la Libertad de Expresión, Auditorium, 1:30pm.
 Exhibition: last day of viewing, Exhibit Hall.
- Wed, Aug 11 *Forum de Periodistas por la Libertad de Expresión, Auditorium, 1:30pm.*
 Timekeeper training, Large Meeting Room, 8am.
- Fri, Aug 13 Timekeeper training, Large Meeting Room, 8am.

**Galeta New Fax Machine**

Galeta has acquired a fax machine. Please send all messages to (507) 89-3136.

Correction

Nelida Gomez' address is: c/o Institut für pharmazeutische Biologie, Technische Universität, Mendelsohnstr.1, 38106 Braunschweig, Deutschland. Tel. 0049-531-391-5681, Fax 0049-531-391-8104.

ANNOUNCEMENTS

Obituary

Ted Parker, Alwyn Gentry and Eduardo Aspiazu of the *Fundación Natura* of Ecuador were killed Tuesday afternoon in a plane crash in the mountains of Ecuador. Al Gentry, curator at the Missouri Botanical Garden, was a pioneer in the study of tropical plants, and Ted Parker, an ornithologist at Louisiana State University, was well known for his ability to distinguish 4,000 bird species by their calls alone. Both biologists were well known at STRI and their death represent a great loss to tropical biology.

Farewell

Madeleine Jacobs, Director of the SI Office of Public Affairs leaving her position to work as managing editor of *Chemical and Engineering News* magazine after 14 years of service. Linda St. Thomas has, who has been OPA's Associate Director for News, has been appointed acting director. During her years at OPA, Jacobs, who initiated her career at SI as a science writer, frequently visited STRI and collaborated closely with our staff.

From the Seminar Officer

Neal Smith is in charge of the Tupper Center Seminars. Please contact him for all arrangements. Seminar speakers are asked to submit a reasonably sized abstract (no more than 120 words) for the newsletter and for the bulletin boards, at least 6 days prior to the seminar. We will appreciate your collaboration.

CONGRESSES • CONGRESOS

Undécimo Congreso Científico Nacional

La Vicerrectoría de Investigación y Postgrado de la Universidad de Panamá anuncia el Undécimo Congreso Científico que será consagrado a las Ciencias Sociales, el Derecho, las Humanidades, la Educación y la Administración Pública y de Empresas. El congreso se celebrará del 22 al 24 de septiembre; la fecha tope para la presentación de los resúmenes de las ponencias será el 20 de agosto. El límite de ponencias por investigador será de dos. Las Memorias del congreso, que incluirá todas las comunicaciones, serán publicadas por la vicerrectoría. Para mayores detalles, el formulario de inscripción y copia de la forma para someter resúmenes de ponencias, favor acercarse a la Oficina de Educación de STRI en el Centro Tupper.

Adventure Travel and Ecotourism World Congress

The 1993 World Congress on Adventure Travel and Eco-Tourism has been organized by the Adventure Travel Society, and is co-hosted by Embratur —The Brazilian Institute for Tourism Development and the United Nations Environment Programme. Three hundred programs outlined at the 1992 Earth Summit presented a variety of problems facing the world on environment, cultures and economics. This congress will convene in Brazil to discuss how tourism can contribute to solutions of these problems as well as to global sustainability. To see the Congress brochure and read details, please visit the STRI Office of Education, at Tupper Center.

POSITIONS AVAILABLE

Dean for Outreach

The Escuela Agrícola Panamericana, Zamorano, Honduras, is seeking a Dean for Outreach. Zamorano has one of the strongest agricultural education programs in Latin America with 50 years of uninterrupted operation. It has facilities for research and extension activities and is presently expanding its scope and area of influence. The position requires an experienced, dynamic and highly motivated individual to lead the diverse activities in outreach programs. For more information write to Daniel E. Meyer, Selection Committee, P.O. Box 93, Tegucigalpa, Honduras. Tels. 32-2660, 31-5243, 31-5237, Fax (504) 32-8543. In Zamorano, Tels. 76-6140, 76-6150, Fax (504) 76-6240.

Investigadores para el Museu Paraense Emílio Goeldi

El Museo Paraense Emílio Goeldi abrió las siguientes posiciones para su cuerpo de investigadores: Investigador Asociado en el área de Fitogeografía (doctorado en Ciencias Biológicas con especialización en Ecología o Botánica), Investigador Titular en Arqueología (doctorado en Arqueología) Investigador asistente en Ictiología (doctorado en Ciencias con especialización en Zoología), Investigador Titular en Herpetología (doctorado en Ciencias con especialización en Zoología), Investigador Titular en Etnobotánica (doctorado en Ciencias con especialización en Botánica) e Investigador Titular en Ecología (doctorado en Ecología o Botánica). Para mayor información acérquese a la Oficina de Educación en el Centro Tupper, o escriba al Servicio de Recursos Humanos, Museu Paraense Emílio Goeldi, Ave. Magalhaes, Barata, 376 CEP: 66.040-170, Belén, Pará, Brasil. Tel. (091) 224-9233, exts. 203, 202 y 204.

UPCOMING COURSES

Applications of Strategic Marketing to Ecotourism

The Interamerican Institute of Tourism offers its second course of the Specialized Cycle on Ecotourism Development and



A group of 1992 volunteers attended STRI's appreciation ceremony held on Friday, July 30. Last year 35 volunteers contributed valuable time to STRI research, education and support activities •••Un grupo de voluntarios de 1992 asistieron a la ceremonia de agradecimiento el viernes 30 de julio. El año pasado 35 voluntarios contribuyeron con su valioso tiempo a la investigación, educación y actividades de apoyo de STRI.

(Foto: M.A. Guerra)

Operation designed to allow the participants to analyze and discuss concepts, procedures and techniques on the application of strategic marketing to ecotourism, a mechanism presently being used to help in the protection of nature and the environment. The course will be held at the Gloucestershire Hotel in Montego Bay, Jamaica, from Aug 30-4 Sep. The course is intended for tourism, travel and conservation professionals interested in Ecotourism and responsible for decision-making regarding use and protection of nature and the environment, officials in government and non-government institutions in charge of ecological and environmental issues, of tourism product development, receptive services operation, attractions, management of natural areas, conservation and protection of nature and the environment, or anyone interested in the subject. For more information and registration form, please contact the Office of Education at Tupper Center.

From: 365 Ways to Save our Planet • Page-a-Day Calendar

Whenever you use a hose outdoors, screw a shut-off nozzle to the end so you won't be wasting water while scrubbing the car or digging in the garden.

STRI NEW PUBLICATIONS

Brazeau, Daniel A. and Lasker, Howard R. 1992. "Reproductive Success in a Marine Benthic Invertebrate, the Caribbean Octocoral *Briareum asbestinum*." *Marine Biology* 114: 157-163.

Brazeau, Daniel A. and Lasker, Howard R. 1992. "Growth Rates and Growth Strategy in a Clonal Marine Invertebrate, the Caribbean Octocoral *Briareum asbestinum*." *Biological Bulletin* 183: 269-277.

Gupta, Mahabir P., Jones, Ana, Solís, Pablo and Correa A., Mireya D. 1993. "Ethnopharmacognostic Study of Kuna Yala." In: *Sustainable Harvest and Marketing of Rain Forest Products*: 201-211, edited by Mark Plotkin and Lisa Famolare. Washington D.C.: Island Press.

Roper, James J. 1992. "Nest Predation Experiments with Quail Eggs: Too much to Swallow?" *Oikos* 65(3): 528-530.

Salazar Allen, Noris. 1993. "Notas de Florística y Taxonomía." *Briolatina* Junio 30: 4-5

Schober, Ursula M. and Christy, John H. 1993. "Sand Disposal of the Painted Ghost Crab *Ocypode gaudichaudii* (Decapoda: Ocypodidae): a Possible Role in Courtship." *Marine Biology* 116: 53-60.

Sasa, Mahamood and Chavez, Gerardo. 1992. "Tamaño, Estructura y Distribución de una Población de *Crocodylus acutus* (Crocodylia: Crocodylidae) en Costa Rica." *Revista Biológica Tropical* 40(1): 131-134.

STRI NEW BOOKLIST

The Bioclimatology of frost: its occurrence, impact and protection / with contributions by Jetse D. Kalma... [et al.].

QC929.H6B56 1992X STRI.

Creating freshwater wetlands/Donald A. Hammer. QH541.5.M3H22 1992 STRI.

Doing qualitative research / edited by Benjamin F. Crabtree, William L. Miller.

R853.S64D65 1992X STRI.

Ecology and control of the natural environment / Yu A. Izrael.

QH541.I9713 1992X STRI.

Ecotoxicity of chemicals to amphibians / edited by J. Devillers and J.M. Exbrayat. QL669.2.E36 1992X STRI.

Elsevier's dictionary of aquaculture: in six languages, English, French, Spanish, German, Italian, and Latin / compiled by Cheryl E. Marx. Ref SH201.E46 1991X STRI.

The End(s) of ethnography: from realism to social criticism / Patricia Ticineto Clough. GN345.C55 1992X STRI.

Herbicides / edited by N.R. Baker and M.P. Percival. QK753.H45H43 1991X STRI.

Insect learning: ecological and evolutionary perspectives / edited by Daniel R. Papaj and Alcinda C. Lewis. QL496.I387 1993X STRI.

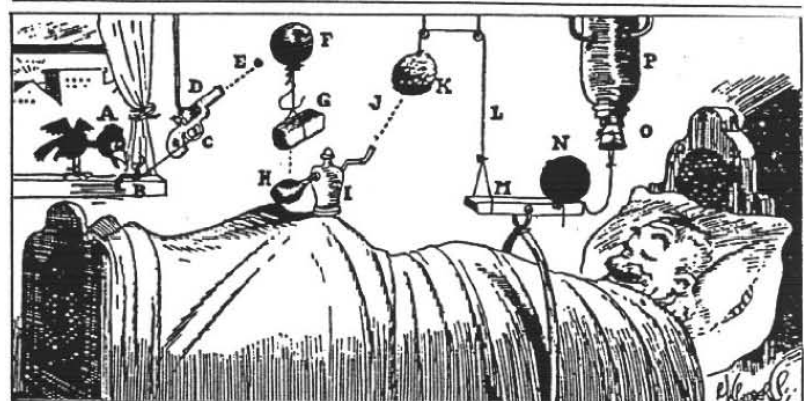
Molecular biology of filamentous fungi: proceedings of the EMBO-Workshop, Berlin, August 24-29, 1991 / edited by U. Stahl and P. Tudzynski. QK604.2.M64M65 1992X STRI.

New challenges in recreation and tourism planning / edited by Hubert M. van Lier, Pat D. Taylor. GV182.N4 1993X STRI.

Primary productivity and biogeochemical cycles in the sea / edited by Paul G. Falkowski and Avril D. Woodhead; technical editor, Katherine Vivirito. QH91.8.M34P75 1992X STRI.

Statistical methods in agriculture and experimental biology / R. Mead, R.N. Curnow, and A.M. Hasted. S540.S7M4 1993X STRI.

Transport and receptor proteins of plant membranes: molecular structure and function / edited by D.T. Cooke and D.T. Clarkson. QK898.P8T73 1992X STRI.

Simple Alarm Clock

The early bird (A) arrives and catches worm (B), pulling string (C) and shooting off pistol (D). Bullet (E) busts balloon (F), dropping brick (G) on bulb (H) of atomizer (I) and shooting perfume (J) on sponge (K)—As sponge gains in weight, it lowers itself and pulls string (L), raising end of board

(M)—Cannon ball (N) drops on nose of sleeping gentleman—String tied to cannon ball releases cork (O) of vacuum bottle (P) and ice water falls on sleeper's face to assist the cannon ball in its good work.