

STRI newsletter

September 4, 1992

SMITHSONIAN TROPICAL RESEARCH INSTITUTE - Apartado 2072, Balboa, Panamá

No. 37

TUPPER CENTER SEMINARS

Tuesday, September 8, noon seminar speaker will be Philip DeVries, University of Texas.

Ecology and Evolution of Caterpillar-Ant Symbioses

Next Week

No noon seminar scheduled for Tuesday, Sep 15.

PEOPLE

Arrivals

- Hugo Navarette, Pontificia Universidad Católica del Ecuador, Sep 7-25, to work with Mireya Correa in the STRI herbarium.

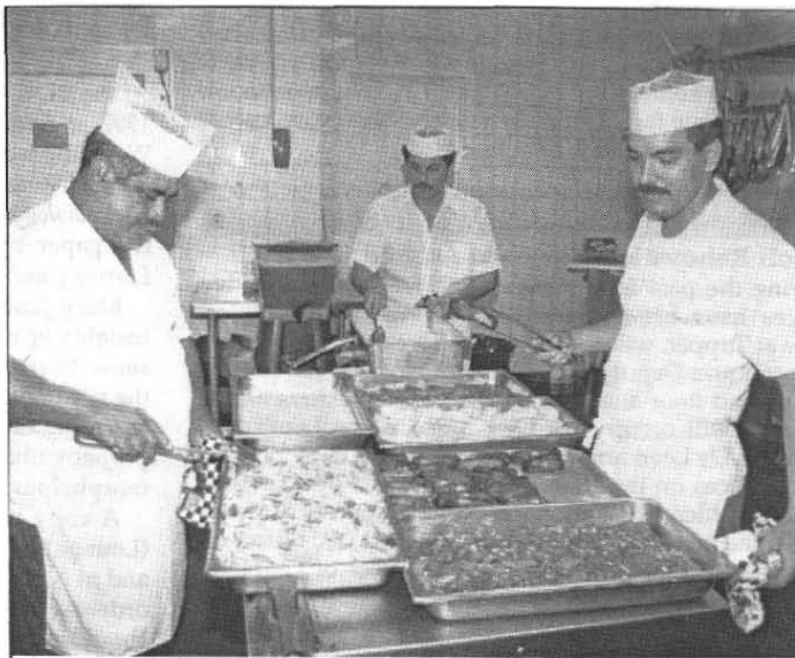
Departures

- Alejandro Arze, Security Officer, Sep 6-13, to Washington D.C. for official business at the SI Office of Protection Services.
- Norman Duke, mangrove biologist, Sep 10-19, to consult with colleagues at the Bermuda Biological Station, and then to Columbus, Ohio, to present a paper at the IV International Wetlands Conference.

Reminder ••• Recorderis

Monday, September 7 is Labor Day and a STRI Holiday. Due to the long weekend the Library will be closed on Saturday Sep. 5

El lunes 7 de septiembre se celebra el Día del Trabajo y no hay labores en STRI. La biblioteca se mantendrá cerrada el sábado 5 para permitir a sus empleados un fin de semana largo.



During the next labor day week, best wishes to all STRI employees whose daily efforts contribute to making STRI a leading research institution. In the photo, from left to right are Dionisio Oses, Luis Cuevas and Guillermo Cabellero cooking for the BCI staff and visitors ••• Durante la próxima semana que celebramos el día del trabajo, nuestras felicitaciones a todos los empleados de STRI cuya labor contribuye a que STRI sea un gran centro de investigaciones. En la foto, de izquierda a derecha, apreciamos a Dionisio Oses, Luis Cuevas y Guillermo Cabellero, cocinando para el personal y los visitantes de Barro Colorado.

(Foto: M.A. Guerra)

Danish Academy Invites STRI Scientist

At the invitation of the Royal Danish Academy of Sciences and Letters, STRI scientist Jeremy Jackson and other distinguished scientists will gather in Copenhagen next week to celebrate the academy's 250th anniversary.

In honor of the anniversary, the academy is inviting representatives of the Danish scientific community and about 25 scientists from abroad, representing various branches of systematics, ecology and evolutionary biology, to participate in a weeklong series of symposia titled *Biodiversity in a Changing World*. Jackson will give a talk on the *Diversity in Coral Reefs* on Monday afternoon.

Honored scientists Robert May, Douglas Futuyman, Robert Ricklefs, Daniel Janzen, Paul Ehrlich and Peter Raven are among those attending the weeklong event.

Agradecimiento

La Sra. Veridiana Pinto (viuda del policía forestal Marcelino Castillo) y sus tres hijos, desean manifestar su agradecimiento a la comunidad de STRI, por la valiosa donación económica que fue depositada a su nombre en una cuenta de ahorros en un banco de la localidad.

THINGS YOU SHOULD KNOW**Tivoli Renovation Comes to An End**

During the past four months the Tivoli administrative offices have been renovated. The Accounting Office, now at Tupper, will move back to Tivoli on Sep 8-9. The Director and Deputy and their staff have moved back to the second floor and the Security Office (A. Arze and P. Amaris) will occupy the back office. Elena Lombardo, Celideth De León and Monica Alvarado occupy the first three offices on the left corridor, followed by Francisco Rivera's office. The Office of Human Resources (Carmen Sucre and Maritza Perurena) is in the first two offices on the right corridor, followed by the offices of Leopoldo León, Nereida Hernández and Leonor Motta. There is also a new computer center and meeting room.

Warning ••• Alerta

To Tupper Center personnel and visitors: For your protection, please do not drink the water from faucets or water fountains until further instructions ••• *Al personal y visitantes del Centro Tupper: Para su protección, favor de no tomar del agua de las plumas o de las fuentes de agua, hasta nuevo aviso.*

From the Security Office**De la Oficina de Seguridad**

When using the STRI radio system, please avoid long communication, do not interrupt other communications and use the telephone when possible. Your cooperation will be greatly appreciated ••• *Al usar el sistema de radio de STRI, se le agradecerá que evite comunicaciones prolongadas, interrupciones a otras comunicaciones, y, de ser posible, prefiera el teléfono. Gracias por su cooperación.*

At Tupper Center

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| Tue, Sep 8 | Administrative Staff Meeting, 9:30am-12 noon, Large Meeting Room.
Noon seminar by Philip DeVries, 12 noon-1pm, Auditorium. |
| Wed, Sep 9 | Training of Exhibit guides, 1-4pm, Exhibit Hall. |
| Thu, Sep 10 | Fundación Natura-Universidad de Lima meeting, 9am-12 noon, Small Meeting Room. |
| Fri, Sep 11 | Inauguration of <i>Wildflores of Soberania National Park</i> exhibit and presentation of the book <i>Insects of Panama and Mesoamerica</i> edited by D. Quintero and Annette Aiello, 4-5pm, Exhibit Hall. |

ANNOUNCEMENTS**Behavior Discussion Group**

The BDG will meet again on Tuesday, September 15, 1992 at 5pm in the Tupper Exhibit Room. Mary Jane West-Eberhard will lead a discussion on *The Evolution of Learned Innate Behavior: Contributions from Genetics and Neurobiology to a Theory of Behavioral Evolution* based on the paper by A.J. Tierney (1986) published in *Animal Learning and Behavior* 14: 339-348.

Mary Jane will argue that this article contains some insights of major importance, and some wrong conclusions. In particular, she will defend the proposition that the reason we think there is something special about the evolution of behavior (vs. morphology) is that we do not properly understand the evolution (and development) of morphology.

A copy of Tierney's paper will be available at BCI (Lounge) in Gamboa (Bldg. 183), at Tupper (Lounge) and at Naos (Ursula Schober). Any person interested in ordering a sub-sandwich to eat during the meeting should contact Mercedes Arosemena at 28-4060 before to September 15.

FELLOWSHIPS**Rainforest Alliance**

The Rainforest Alliance is now accepting applications for the third Kleinmans Fellowship for Research in Tropical Non-Timber Forest Products. The Fellowship supports research into practical means of managing and utilization tropical forest resources without destroying the integrity of the forest ecosystem. The research should lead to the development of a product or marketing technique that can provide incomes for families or small groups living in or near tropical forest areas. The fellowship provides \$15,000 per year, for two years. Applications are due by 5pm, February 1, 1993. For more information please consult with the Office of Education, Tupper Center.

Garden Club of America

The Garden Club of America and World Wildlife Fund are again offering two \$5,000 scholarships for students working in tropical botany. These scholarships have two, equally important purposes: to encourage students pursuing botanical research in the tropics and to promote conservation of the tropics. The awards are intended to help students with field research expenses. For more information, please consult the Office of Education, Tupper Center.

University of Florida College of Law

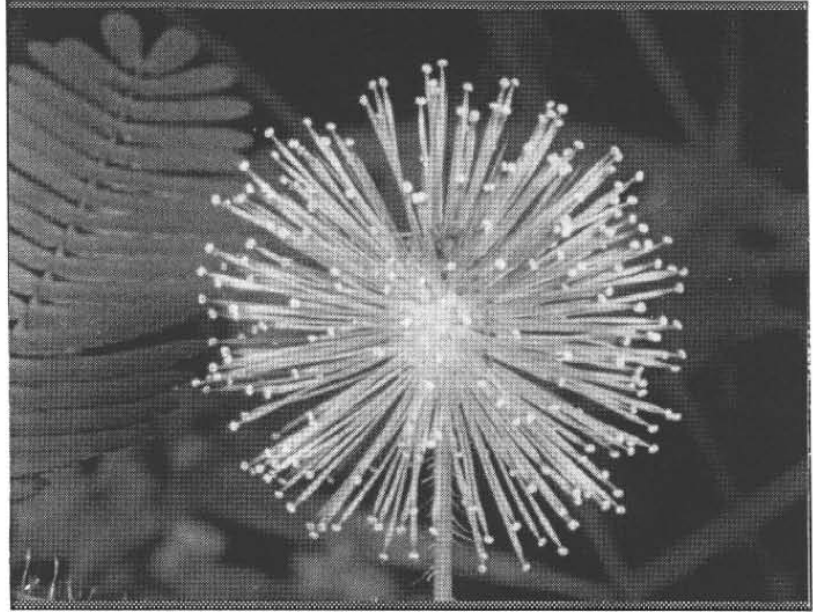
The University of Florida College of Law—Inter-American Environmental and Land Use Law Studies Program and the University of Florida Center for Latin American Studies—Tropical Conservation and Development Program announces the availability of a limited number of fellowships for qualified graduates of Central American Law schools for the study of environmental and land use law. The one year course of study will provide an interdisciplinary curriculum with an emphasis on applied legal research in tropical conservation and development. Financial support for the fellowships is provided by the Tropical Conservation and Development Program at the University of Florida Center for Latin American Studies. Qualifications: graduation from an accredited Central American law school, proof of proficiency in English, and a demonstrated interest in environmental, land use and natural resource law. Some experience is helpful, but not required. Fellowships include \$11,000 and a full tuition waiver. For more information please consult the STRI Office of Education, Tupper Center. Application deadline: October 1, 1992. Also available for 1993.

STRI NEW PUBLICATIONS

Adler, Gregory H. 1992. "Endemism in Birds of Tropical Pacific Islands." *Evolutionary Ecology* 6: 296-306.

Cooke, Richard G. and Ranere, Anthony J. 1992. "Precolumbian Influences on the Zoogeography of Panama: An Update Based on Archaeofaunal and Documentary Data." *Tulane Studies in Zoology and Botany*, Supplementary Publication number 2: 21-58.

Cooke, Richard G. and Ranere, Anthony J. 1992. "Prehistoric Human Adaptations to the Seasonally Dry Forests of Panama." In: "The Humid Tropics", edited by Ian Glover, *World Archaeology* 24(1): 114-133.



On Friday, Sep 11, the exhibit "Wildflowers of Soberania National Park" will be inaugurated. All the photographs in the exhibit were taken by Nick Smythe. The text is by Annette Aiello and Nilce de Cerezo. The education program has been prepared by Cindy Martin and Argelis Roman and the layout by Maria Luz Calderón. This project was also supported by the U.S. Army who lent the exhibit panels and mounted the photographs.

(Foto: Nick Smythe)

- Guzmán, Héctor M. 1992. "Reef Recovery After a Major Oil Spill: Sublethal Effects and the Role of Biological Interaction." (Abstract). In: *7th International Coral Reef Symposium*, 22-26 June 1992, Guam: 40. Guam: IABO.
- Kursar, Thomas A. and Coley, Phyllis D. 1992. "Delayed Greening in Tropical Leaves—An Antiherbivore Defense." *Biotropica* 24(2): 256-262.
- Rand, A. Stanley, Ryan, Michael J. and Wilczynski, Walter. 1992. "Signal Redundant and Receiver Permissiveness in Acoustic Mate Recognition by the Túngara Frog, *Physalaemus pustulosus*." *American Zoologist* 32: 81-80.
- Salazar Allen, Noris. 1992. "Revisión de las Especies de *Octoblepharum* del Neotrópico." (Resumen). In: *III Simposio Latinoamericano de Briología: Briología en el Neotrópico*: 30. México, D.F.: Instituto de Briología UNAM and Sociedad Latinoamericana de Briología.
- Wright, S. Joseph. 1992. "Seasonal Drought, Soil Fertility and the Species Density of Tropical Forest Plant Communities." *Trends in Ecology and Evolution* 7(8): 260-263.
- Yoder, J.A., Denlinger, D.L. and Wolda, H. 1992. Aggregation Promotes Water Conservation during Diapause in the Tropical Fungus beetle, *Stenotarsus rotundus*." *Entomol. exp. appl.* 63: 203-205.



El viernes 28 de agosto, la comunidad de STRI ofreció una cálida fiesta de despedida a Argelis Román, quien partió hacia Washington D.C. con una nueva posición en el Smithsonian. Durante la fiesta Argelis recibió varios regalos, entre ellos un certificado de la Oficina de Educación y una foto del personal de la oficina, tal y como estaba compuesta antes de su partida.

(Foto: M.A. Guerra)

POSICIONES ABIERTAS ••• JOBS AVAILABLE

Título del puesto: Consultor en Ecología

Buli: 17.12. Duración: Seis meses. Fecha de Inicio: Enero a junio de 1993. Idioma: Español. Sede de Trabajo: Ciudad de Guatemala con viajes frecuentes a los países centroamericanos.

Calificaciones: Graduado en Biología, Ciencias Naturales o Agronomía, con estudios de postgrado en Ecología y un mínimo de cinco años de experiencia en ecosistemas tropicales de preferencia en la región centroamericana y experiencia en la preparación de perfiles de proyectos.

Título del puesto: Consultor en Ciencias Sociales

Buli: 17.19. Duración: Cuatro meses. Fecha de Inicio: Enero a abril de 1993. Idioma: Español. Sede de Trabajo: Ciudad de Guatemala con viajes frecuentes a los países centroamericanos.

Calificaciones: Sociólogo, antropólogo, politólogo o economista, con cinco años de experiencia en análisis sociopolítico, de preferencia en el campo de los recursos naturales y medio ambiente.

Para mayor información comuníquese con: Comisión Centroamericana de Ambiente y Desarrollo, 7Ave. 4-35, Zona 1, Guatemala, Guatemala. Tels.: 21816, 53108, 532477 • Fax 535109.

Job Available

Director, James Ford Bell Museum of Natural History, University of Minnesota. The Bell Museum of Natural History, University of Minnesota, Minneapolis, MN is seeking a Director. The major responsibilities of the Director will be to direct the public education, research, and curatorial activities of the Museum, to work closely with the Museum's Advisory Board, to lead in obtaining external support for the research and public programs, and to represent the BMNH in the museum community.

Applications must include a current curriculum vitae, a letter explaining your interest in the position and summarizing your qualifications, and the names, addresses, and phone numbers of at least three references.

Applications with supporting material will be accepted until September 30, 1992 and should be sent to: Chair, Search Committee for Director, James Ford Bell Museum of Natural History, University of Minnesota, 10 Church St. SE, Minneapolis, MN 55455.

For more information, contact the Office of Education at STRI.

From: 365 Ways to Save our Planet

• Page-a-Day Calendar •

The Tree R's

Reduce, reuse, and recycle —these elementary three R's of consumer behavior are helpful on both ends of the waste stream. They not only save resources and energy, but also reduce our solid-waste-disposal headaches by cutting the amount of garbage shipped to landfills. That's important because dumps are filling up and the political climate makes it all but impossible to open more. The three R's also discourage construction of incinerators, which pollute the air, produce hazardous ash, and encourage high levels of combustible waste.

Scheidt, Samuel (b. 1587, Halle, Ger.—d. March 30, 1654, Halle), organist and composer who, with Sweelinck, influenced the Baroque organ style of northern Germany. He studied with Sweelinck in Amsterdam and in 1609 became organist at the Moritzkirche in Halle. About 1619 he became organist, and later kapellmeister (conductor), to the Margrave of Brandenburg. He was esteemed as a teacher, and his pupils included the composer Adam Krieger.

Scheidt's first published works contain sacred vocal music, including *Cantiones sacrae* (1620) for eight voices, and four books of *Geistliche Concerten* (1631–40) for two to four voices and continuo. The publication of his *Tabulatura nova* (three parts, 1624) was an important event in the history of organ music. The title refers to the musical notation used: keyboard tablature in the Italian sense; *i.e.*, staff notation, rather than the alphabetical tablature used in earlier German organ music. The collection contains fantasias, toccatas, "echo pieces," organ responses for liturgical use, and, most important, variations on chorale melodies.

Scheidt's subjection of the chorale melody to musical variations and his use of different combinations of voices and instruments in the different stanzas foreshadowed the later Lutheran cantatas based on chorales. Scheidt's work, though influenced by Sweelinck, shows his own skill in counterpoint. His *Tablatur-Buch* (1650) contains harmonized accompaniments for 100 sacred songs and psalms, pointing to the growing practice of congregational singing in Lutheran churches.