

STRI newsletter

September 18, 1992

SMITHSONIAN TROPICAL RESEARCH INSTITUTE - Apartado 2072, Balboa, Panamá

No. 40

TUPPER CENTER SEMINARS

No noon seminar is scheduled for Tuesday, Sep 21. At noon, we will present the fourth video of the series "El Espejo Enterrado" *El Precio de la Libertad*.

BAMBI SEMINAR

On Thursday, Manuel Guariguata will give an informal seminar on BCI on: "Resprouting and survival of damaged tree saplings"

Those planning to attend should call Vielka Liao to arrange transportation.

PEOPLE

Arrivals

- Christopher George, Andrew Liebman, John Garrett and Peter Pilafian, Chedd-Angier Productions, Sep 18-24, to film Phil DeVries' work on ants, butterfly caterpillars and wasps interactions for a television series.
- James Nieh, short-term fellow, Cornell Univ., Sep 21-Dec 20, to work on the communication sounds of *Melipona fasciata* food recruitment and traffic control on BCI.
- Frederick Meinzer, Sugar Planters Association, and two German colleagues, Ulrich Zimmerman and Rainer Benkert, Sep 20-27, to continue work on the crane.
- Keiko Yamada, Mitsuhiro Imamori and Kenji Fujita, of Japan Television Workshop Co. Ltd., Sep 23-26, to meet various STRI researchers and visitors regarding possibilities of filming their research at future dates.

Departures

- Ira Rubinoff, STRI director, Sep 19-27, to Washington, DC, on official business.
- Richard Condit, scientific staff, Sep 20-23, to Washington, DC, to attend the CTFS board meeting. Also attending will be George Angher, STRI, Steve Hubbell, from Princeton University and Peter Ashton, Theodore Panayotou and James LaFrankie from Harvard University.



Kyle Summers (center), STRI Postdoctoral Fellow, made a valuable donation to Pemasky of a colored picture guide of frogs at the Nusagandi Station in Kuna Yala. Forestry Technician Rutilio Paredes, Field Director of Pemasky, accepts the donation. Maria Morello, Visitor Services Office, STRI, was present at this event. This frog guide will be of great help to future researchers at Nusagandi ••• Kyle Summers (centro), Becario de Postgrado del STRI, hizo una valiosa donación a Pemasky de una guía de fotos a colores sobre las ranas que se encuentran en la Estación Nusagandi en Kuna Yala. El Técnico Forestal, Rutilio Paredes, Director de Campo de Pemasky, aceptó la donación. María Morello, Oficina de Visitantes del STRI, estuvo presente en el acto. Esta guía de las ranas será de mucha ayuda para futuros investigadores en Nusagandi.

(Foto: M.A. Guerra)

- Elena Lombardo, assistant director for external affairs, Sep 18-25, to Washington, DC, on official business.
- Leonor Motta, executive officer, Sep 20-27, to Washington, DC, on official business, followed by a few days of leave.
- Donald Windsor, staff scientist, Sep 20-Oct 11, to Indianapolis on vacation.
- Jose Carlos Espino, dive officer, Sep 23-Oct 17, to attend various training courses and seminars in the United States and consult with dive officer at S.I. in Washington, DC.

The new photographic exhibition *Wildflowers of Soberania National Park* will open to the public starting Sep 22, from 1-5pm on Tuesday, Thursday and Friday. Special group guided visits should be arranged with the Office of Education, Tupper Center ••• La nueva exhibición fotográfica "Flores Silvestres del Parque Nacional Soberanía" abrirá al público a partir del 22 de septiembre, de 1-5 pm los martes, jueves y viernes. Para visitas de grupos guiadas, favor llamar a la Oficina de Educación, Centro Tupper.

THINGS YOU SHOULD KNOW

At Tupper Center

Sep 22 Cordón Ecológico Meeting, 9-12am, Exhibit Hall.
 "El Espejo Enterrado" video, part IV, 12-1pm,
 Auditorium.
 TREC Meeting, 1-3pm, Small Meeting Room.
 Academic Board Meeting, 3-5pm, Small Meeting
 Room.

During Sep 23-25 both meeting rooms will be painted.
 Please do not schedule any activity for these days.

Delegation of Authority

Dr. Alan P. Smith will serve as Acting Director of the Smithsonian Tropical Research Institute from Sept. 19-27, 1992. All correspondence should be prepared for his signature as Acting Director.

From the SI Office of Planning and Budget

During the OPB's retrospective review of the recent process of preparing the FY 1994 Budget Request to the Office of Management and Budget, it was determined by staff that STRI deserves special recognition for the quality of the budget narrative submitted to our office. Of all the submissions, STRI's required the least amount of editing and staff work. In addition, it was lively and interesting reading. You and your staff are to be commended for your efforts. We made our deadline and it was in no small part due to the quality and timeliness of submissions from conscientious bureaus such as yours.

News from the Computer Specialist

Regarding Internet

By early October the Smithsonian will have joined Internet, the largest computer network in the world. The Internet is a collection of cooperating, interconnected networks that support international collaboration among thousands of organizations.

Throughout the U.S., Europe and elsewhere, there are many other networks accessible via Internet. Currently, more than four million Internet users from over 100 countries are accessing some 760,000 computers. The system today consists of networking facilities in educational and research institutions, businesses and government organizations worldwide.

Individuals who currently have access to the IBM 4381, several VAX computers, some LAN systems, and selected PC's will be able to access Internet. It is expected that all who need access will have it in the near future. STRI will be able to access Internet by January 1993, and once the system is implemented at STRI, training will be provided to users.

The benefits of Internet will vary with your needs and

field of interest. Based on your level of interest, access to the network can help you enhance your knowledge and interests through the sharing of databases with others or by participating in appropriate "discussion groups." Numerous library catalogs and a growing number of electronics journals are accessible through Internet. Oceanic, for example, is a science database on Internet, created and maintained by the University of Delaware's College of Marine Studies.

CURSOS

OTS Courses

The Organization for Tropical Studies is offering a course in Tropical Biology: An Ecological Approach #93-1. The course will be conducted in Costa Rica. The tentative itinerary includes the cloud forest of Cerro de la Muerte; the Rarra Avis Reserve, Corcovado National Park; Volcan Cacao and other sites. Please send applications to OTS, P.O. Box DM. Duke Station, Durham, NC 27706. Tel: (919) 684-5774. Deadline for receiving applications is Oct. 16, 1992. Announcement of selections will be Nov. 15, 1992. Course Fee: \$1,000 OTS members' students and \$3000 Non-OTS member students. Applications available at the Office of Education.

Applicants must be enrolled in, or accepted for, a graduate college program. Selection of participants is highly competitive; enrollment is limited to approximately 22 students. Preference is given to students enrolled in OTS consortium member institutions.

JOB OPPORTUNITIES

The Rockefeller University Seeks Applications for Positions in the Interface Between Field Biology and Neurobiology

The Rockefeller University is seeking to strengthen its program in the Neurosciences by hiring uncommonly bright, independent researchers in field and evolutionary biology, ethology and neuroethology. Tenure track positions are available at the Assistant Professor level. Applicants should have an interest in one or more of the following areas: ontogeny, learning, evolution, social systems and reproduction, animal communication, animal orientation, perception, animal cognition, aging, environmental physiology and stress, as they relate to natural history, behavior and brain function.

Applicants should send their C.V., a one page description of their research interests, copies of up to three representative publications, and the names and addresses of three potential references to: Fernando Noteboom, Rockefeller University, Field Research Center, Tyrrel Road, RR2, Box 38B, Millbrook, NY 12545

Coordinador de Proyecto para CEASPA

CEASPA busca un(a) Coordinador(a) de un proyecto de promoción indígena en la Región Oriental del país. El objetivo principal del proyecto es la incorporación de los grupos indígenas al debate nacional sobre el uso de la tierra y los Recursos Naturales de la Región Oriental (Darién y parte de la provincia de Panamá y Kuna Yala).

Las funciones del(a) Coordinador(a) en la 1ra. etapa son los siguientes:

- Realizar un diagnóstico de la situación, incluyendo mapeo de infraestructura, recursos, condiciones de vida, ubicación dentro y fuera de la comarca.
- Hacer un inventario de grupos/ organizaciones/ instituciones en el área.
- Elaborar el plan de promoción para la 2da. etapa.
- Establecer relaciones de trabajo con todos los grupos indígenas en el área y con grupos de apoyo.

Características de la persona que se busca:

- Disposición mental y física para trabajar en condiciones de campo difíciles.
- Sensibilidad social.
- Responsabilidad y experiencia en supervisión.
- Capacidad de trabajar sólo(a).

Favor de entregar currículum en las oficinas del CEASPA lo antes posible, a más tardar el 25 de septiembre, y solicitar cita para entrevista. Dirección: Apartado 6-133, El Dorado, Panamá. Tel. 26-5326 • 26-6602

Vacante en CATIE

Centro Agronómico Tropical de Investigación Y Enseñanza (CATIE), Turrialba, Costa Rica, requiere los servicios de:

Investigador Profesor Asistente II (Enfasis en Silvicultura). Para el proyecto Centro de Semillas Forestales, Convenio CATIE/DANIDA-Semillas. Los requisitos son: Forestal con Grado Universitario (Preferiblemente Ph.D. o M.Sc.), Experiencia en capacitación, recolección de semillas y mejoramiento forestal, Bilingüe: Español-Inglés, Disponibilidad para viajar por Centroamérica. Sede: Turrialba, Costa Rica.

Los interesados deberán enviar carta de solicitud, currículum vitae, copia de títulos certificados, historia salarial, nombres y



On Friday, Sep 11, Annette Aiello and Diomedes Quintero (center) formally presented their new book "Insects of Panama and Mesoamerica" to Ira Rubinoff and Celestino Arauz (right), vicerrector for research, University of Panama ••• El viernes 11 de septiembre, Annette Aiello y Diomedes Quintero (centro), hicieron presentación formal de su reciente libro "Insects of Panama and Mesoamerica" a Ira Rubinoff y a Celestino Araúz (derecha), Vicerrector de Investigación y Postgrado de la Universidad de Panamá.

(Foto: M.A. Guerra)

direcciones de tres personas que puedan manifestarse sobre su trabajo a: Unidad Recursos Humanos, REF. 0-0892 26, 7170 CATIE, Turrialba, Costa Rica. Fecha límite para recepción de solicitudes: 1 Noviembre 1992.

STRI NEW PUBLICATIONS

- Jung, Iris and Winter, Klaus. 1992. "Mineral Nutrient Deficiency Increases the Sensitivity of Photosynthesis to Sulphur Dioxide in Needles of a Coniferous Tree, *Abies nordmanniana*." *Oecologia* 90: 70-73.
- Kursar, Thomas A. and Coley, Phyllis D. 1992. "Delayed Greening in Tropical Leaves - An Antiherbivore Defense." *Biotropica* 24(2): 256-262.
- Pullin, Andrew S. and Knigh, Theresa M. 1992. "Induction and Termination of Reproductive Diapause in a Neotropical beetle, *Chelymorpha alternans* (Coleoptera: Chrysomelidae)." *Journal of the Zoological Society of London* 227: 509-516.
- Ryan, Michael J. and Keddy-Hector, Anne. 1992. "Directional Patterns of Female Mate Choice and the Role of Sensory Biases." *The American Naturalist* 139: S4-S35.

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

"All the great environmental battles will be won or lost in the decade we have just entered."

Thomas Lovejoy

Assistant Secretary for External Affairs
Smithsonian Institution

STRI NEW BOOKLIST

Annual Review of Information Science and Technology, v.26, 1991. Z699.A1A615 v.26 1991 STRI.

The Art and iconography of late Post-Classic central Mexico: a conference at Dumbarton Oaks, October 22nd and 23rd, 1977 / Elizabeth P. Benson, organizer; Elizabeth Hill Boone, editor. F1219.76.A78A77 1982X STRI.

The Canal builders; the story of canal engineers through the ages / by Robert Payne. TC15.P3X 1959 STRI.

The Causes of molecular evolution / John H. Gillespie. QH455.G56 1991X STRI.

Conservation in developing countries, problems and prospects: proceedings of the Centenary Seminar of the Bombay Natural History Society / edited by J.C. Daniel & J.S. Serrao. QL84.73.B69 1983 STRI.

Contested frontiers in Amazonia / Marianne Schmink and Charles H. Wood. GF532.A4S36 1992X STRI.

The Cultivated plants of the tropics and subtropics: cultivation, economic value, utilization / Sigmund Rehm, Gustav Espig. SB111.R43X E1991 STRI.

Dictionary of evolutionary fish osteology / Alfonso L. Rojo. Ref QL639.R54 1991X STRI.

Ecology and management of forest insects / Martin R. Speight and David Wainhouse. SB761.S68 1989X STRI.

Elsevier's dictionary of plant genetic resources / compiled by International Board for Plant Genetic Resources, Rome, Italy. Ref SB123.3.E45 1991X STRI.

Evolutionary Biology, v.26, 1992. Serial collection.

A Field guide to reptiles and amphibians: eastern and central North America / Roger Conant and Joseph T. Collins; illustrated by Isabelle Hunt Conant and Tom R. Johnson. QL651.C65 1991X STRI.

Galapagos marine invertebrates: taxonomy, biogeography, and evolution in Darwin's islands / edited by Matthew J. James. QL345.G2G35 1991X STRI.

Hacia una centroamérica verde. English * Toward a green Central America: integrating conservation and development / editors, Valerie Barzetti, Yanina Rovinski. S934.C4H3313 1992X STRI.

Insect-plant interactions / editor, Elizabeth A. Bernays. QL496.I388 1989X STRI.

Mezozoiskie zhestkokrylye. English * Mesozoic Coleoptera / by L.V. Arnol'di... [et al.]; scientific editor Natalia J. Vandenberg. QE832.C6M4913 1992X STRI.

The Nature of development: a report from the rural tropics on the quest for sustainable economic growth / Roger D. Stone. HC59.72.E44S76 1992X STRI.

Nonisotopic DNA probe techniques / edited by Larry J. Kricka. QP624.5.D73N66 1992X STRI.

The Oxford dictionary for scientific writers and editors. Ref T11.O94 1991X STRI.

The Panama Canal, by Frederic J. Haskin ... illustrated from photographs taken by Ernest Hallen, official photographer of the Isthmian Canal Commission. TC774.H4X STRI.

Phylogenetic analysis of DNA sequences / edited by Michael M. Miyamoto, Joel Cracraft. QH371.P47 1991X STRI.

Processual and postprocessual archaeologies: multiple ways of knowing the past / edited by Robert W. Preucel. CC72.P96 1991 STRI.

Progress in Botany, v.53, 1992. Serial collection.

Quelea quelea: Africa's bird pest / edited by Richard L. Bruggers and Clive C.H. Elliott. SB996.Q44Q44 1989X STRI.

The Snakes of Thailand and their husbandry / Merel J. Cox. SF515.5.S64C68 1991X STRI.

Surface level ozone exposures and their effects on vegetation / [edited by] Allen S. Lefohn. QK751.L43 1992X STRI.

Traps responses of flying insects: the influence of trap design on capture efficiency / R.C. Muirhead-Thomson. QL496.M95t 1991 STRI.

Venomous reptiles of North America / Carl H. Ernst. QL666.O6E77 1992X STRI.

Voles (Microtinae) / I. M. Gromov and I. Ya. Polyakov; scientific editors, Douglas Spiegel-Causey, Robert S. Hoffmann * Polevki (Microtinae). English. QL737.R638G7613 1992X STRI.

The User's dictionary of computer networks. To be used in the library only. TK5105.5.U844 STRI.