

# STRI newsletter

October 7, 1994

SMITHSONIAN TROPICAL RESEARCH INSTITUTE - Apartado 2072, Balboa, Panamá

No. 39

## TUPPER CENTER SEMINARS

Tuesday, October 11, seminar speaker will be John Skillman, Duke University.

### *Seasonal Dynamics of Photosynthesis in Temperate Forest Herbs*

#### Abstract

Large increases in light above the level at which plants developed may result in reduced rates of photosynthesis (photoinhibition). Plants are more susceptible to photoinhibition at lower temperatures. Photosynthetic acclimation to increased light and/or decreased temperatures may permit the avoidance or alleviation of photoinhibition. Understory evergreen plants in temperate deciduous forests are photosynthetically active under extremely different sets of conditions depending upon the season. My study investigates whether these plants acclimate to the high light and low temperatures of winter and whether the severity of the combined stress results in winter photoinhibition.

## BAMBI

Wednesday, October 12, Bambi seminar speaker will be Allen Herre, STRI, at 7:30pm.

### *Field, Stream, and Forest*

Please call BCI to arrange transportation.

## PEOPLE

### Arrivals

- Larry Abele, Robert Ricklefs and Beryl Simpson, Professional Accomplishments Evaluation Committee, Oct 12-15, to attend the annual review meetings which will be held at STRI from Oct 13-14.
- W. Brian Simison, University of California, Oct 14-19, to study the environmental influences on the origination and extinction patterns of the Panamanian seaway, at Naos.

### Departures

- Ira Rubinoff, Oct 14-19, to Washington D.C., to attend the SI Benefactors' Circle dinner, and other official meetings at SI.



During their visit to Panama this past week, Dwight Evans (Georgia Power, Co.), Bob Woodall (Southern Company), Sharon Evans and Susan Woodall visited the Center for Tropical Forest Science reforestation project at Las Pavas. Juan Morales, Salomón Aguilar, a Peace Corps volunteer, and a project participant from the local community show them the progress accomplished in one of the plots ••• Dwight Evans (Georgia Power, Co.), Bob Woodall (Southern Company), Sharon Evans y Susan Woodall visitaron el proyecto de reforestación del Centro para Ciencias Forestales del Trópico en Las Pavas durante su visita a Panamá la semana pasada. Juan Morales, Salomón Aguilar (voluntario del Cuerpo de Paz) y un participante del proyecto de la localidad les mostraron los progresos que se han logrado en una de las parcelas.

(Foto: M.A. Guerra)

## THINGS YOU SHOULD KNOW

### New Schedule for the Jacana ••• Horario Nuevo de la Jacana

As of Monday, Oct 10, the Jacana boat will return from Gamboa to BCI at 5:30pm ••• A partir del lunes 10 de octubre, el bote Jacana regresará de Gamboa a Barro Colorado a las 5:30pm.

### Fiscal Year 1995 Budget

On Friday, September 30, the Smithsonian Institution's fiscal year 1995 budget was approved by President Clinton. As a result, all departments may begin to obligate funds for the new fiscal year.

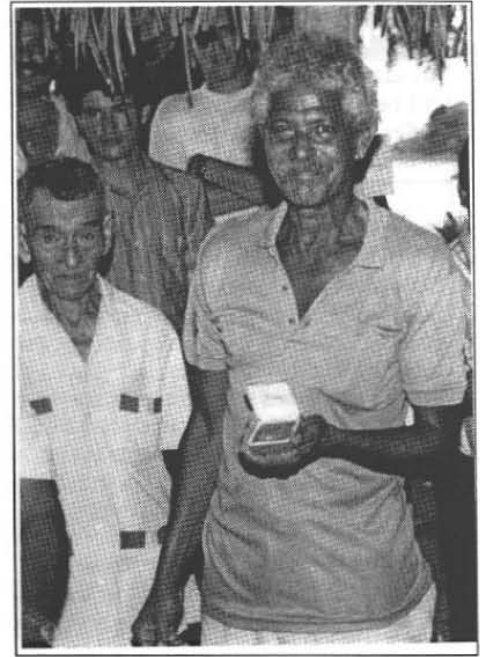
### Reminder ••• Recorderis

Mon, Oct 10, is the celebration of Columbus Day in the U.S. and a holiday at STRI. The STRI Library will close on Sat, Oct 8, to allow its personnel a long week-end ••• El lunes 10 de octubre se conmemora el descubrimiento de América en los Estados Unidos, y es un día libre para STRI. Por otro lado, la Biblioteca de STRI cerrará el sábado 8 de octubre para permitir a su personal disfrutar del fin de semana largo.



Amalia Herrera y Cónsul Chamorro hacen entrega de uno de los regalos que recibió Francisco Sánchez el día viernes 30 de septiembre, con motivo de su jubilación. "Panchito" comenzó a trabajar en STRI en 1961 como ayudante de biología en los Laboratorios Marinos de Isla Naos. Durante la ceremonia, Ira Rubinoff, director del Instituto recalzó que Sánchez fue "uno de los pioneros que apoyaron a los biólogos marinos a establecer sus programas de investigación."

(Foto: M.A. Guerra)



Luis Alberto Cruz "Lucho" recibió el "pin" de dos brillantes por 20 años de servicio. "Lucho" quien empezó a trabajar en STRI en 1974, ha sido asistente de tripulación en los R/V Tethys, Stenella, Dos Mares, Benjamín y Urracá. Nuestras felicitaciones.

(Foto: M.A. Guerra)

**Collection Suspended in Nusagandi**

**Suspensión de Colectas en Nusagandi**

The Board of Directors of PEMASKY has decided to suspend all collection in Nusagandi for one month, starting October 1, 1994. IN.RE.NA.RE. declared Nusagandi a protected area and will carry out an inventory of its flora and fauna during this period ••• *La Junta Directiva de PEMASKY ha decidido suspender todas las colectas en Nusagandi por un mes, a partir del 1 de octubre de 1994. IN.RE.NA.RE declaró Nusagandi un área protegida y realizarán un inventario de su fauna y flora durante este período.*

**At the Tupper Center**

- Tue, Oct 11 ■ Noon seminar by John Skillman, Duke University, Auditorium.
- Scientific Staff Meeting, Large Meeting Room, 1:30pm.
- Thu, Oct 13 ■ Seminario del Ministerio de Gobierno y Justicia, Conference Hall, 1pm.
- PAEC Meeting, Small Meeting Room, 8am.
- Fri, Oct 14 ■ PAEC Meeting, Small Meeting Room, 8am.

**At the Culebra Marine Reserve**

- Tue, Oct 11 Instituto Pedagógico
- Wed, Oct 12 Colegio Harmodio Arias Madrid
- Thu, Oct 13 Colegio Las Bethlemitas
- Fri, Oct 14 Grupo Infantil de la Contraloría  
Instituto del Canal, U. de P.
- Sat, Oct 15 Colegio La Salle

**At Barro Colorado Island Station**

- Sat, Oct 8 Two groups from Panama
- Tue, Oct 11 Instituto de Turismo y Hotelería

**New at the STRI Bookstore**

- *The World of Cacti*, by D. Schuster, 1990. \$37.95
- *Crocodiles and Alligators of the World*, by D. Alderton, 1991. \$33.95
- *Plants of the Tropics*, by S. Reading, 1990. \$19.95.
- *Tropical Rainforest: A world survey of our most valuable and endangered habitat with a blueprint for its survival*, by A. Newman, 1990. \$58.50

## NEW STRI PUBLICATIONS



Commission Internationale des Noms Français des Oiseaux (P. Dvillers, H. Oiellet, G. Seutin et al. 1993. *Noms Français des Oiseaux du Monde*. Quebec: Editions MultiMonde.

Guzmán, Héctor M. and Cortés, Jorge. 1993. "Arrecifes Coralinos del Pacífico Oriental: Revisión y Perspectivas." *Revista de Biología Tropical* 41: 535-557.

Heckadon-Moreno, Stanley (ed.). 1994. *Panamá en sus Usos y Costumbres*. Panamá: Editorial Universitaria.

Holst, Irene and Guzmán, Héctor M. 1993. "Lista de Corales Hermatípicos (Anthozoa: Scleractiva; Hydrozoa: Milleporina) A Ambos Lados del Istmo de Panamá." *Revista de Biología Tropical* 41: 871-875

Rodríguez, Viterbo. 1994. "Function of the Spermathecal Muscle in *Chelymorpha alternans* Boheman (Coleoptera: Chrysomelidae: Cassidinae)." *Physiological Entomology* 19: 198-202.

Ventocilla, Jorge. "Sobre la Subsistencia y Cacería en Cangandi, Comunidad de Indígenas Kunas." In: *Panamá en sus Usos y Costumbres*: 157-177, edited by Stanley Heckadon-Moreno. Panamá: Editorial Universitaria.



Roland Gough (izquierda), del personal de mantenimiento de Barro Colorado desde 1979 y Rolando Selles (derecha), guardabosques de la Isla desde 1969, fueron agasajados por sus compañeros y personal administrativo de STRI por motivo de su jubilación, el viernes 30 de septiembre. Junto con ellos en la foto, aparecen Carlos Tejada, Carmen Sucre, Pablo Amarís y Maritza Perurena.

(Foto: A. Montaner)

## POSITION AVAILABLE • POSICION ABIERTA

## Launch Operators

Applications for two permanent, full time positions for Launch Operators will be accepted effective immediately, to work on Barro Colorado Island. The selected candidates will operate different boats up to 65', under the supervision of the BCI Manager. The incumbents are expected to perform routine maintenance duties, recognize improper operation of the boats, and help with the loading and unloading of materials. The job includes shift work including week-ends and holidays. Candidates must have two years of experience in the safe operation of boats up to 65'; knowledge of navigational practices and ability to execute emergency operations. Must be able to interpret charts, tables and instructions, as well as use navigational aids and instruments. Basic knowledge of engine and control operation. Must be able to swim and speak Spanish and English. Must have launch operator license issued in the Republic of Panama, or be able to obtain one. Excellent physical conditions. Graduate of *Escuela Náutica* or any other well-known nautical school, desirable. Salary: \$19,346 per year (WG-9). Interested please send curriculum vitae with recent references to: Launch Operator, STRI, Box 3353, Balboa, Ancon. Applications will be received until Nov 5, 1994.

## NEW STRI BOOKLIST

- Advances in computer methods for systematic biology: artificial intelligence, databases, computer vision / R. Fortuner, ed. **QH83.A38 1993X STRI.**
- Agroforestry in South Asia: problems and applied research perspectives/WR Bentley et al., eds. **S494.5.A45A281 1993 STRI.**
- Aislamiento y determinación del potencial biodegradativo de bacterias y hongos utilizadores de hidrocarburos del petróleo / NR Sandoval Martínez. **QH91.8.O4S218 1993 STRI.**
- Algunos aspectos de las relaciones hídricas de cuatro especies de plantas del sotobosque en la isla de Barro Colorado, Panamá / OR López A. **QK938.F6L86 1993 STRI.**
- Ancient technologies and archaeological materials / edited by SU Wisseman & WS Williams. **CC175.A535 1994X STRI.**
- Australian tropical rain forest trees: an interactive identification system / BPM Hyland & T.Whiffin. **QK431.H95 1993 STRI** [includes diskettes].
- Aves de la Orinoquía colombiana / Antonio Olivares. **QL689.C6O48 1992 STRI.**
- Bagres, malleros y cuerdos en el bajo río Caquetá / CA Rodríguez Fernández. **SH239.R69 1992 STRI.**
- Biological relationships between Africa and South America / Peter Goldblatt, editor. **QH194.B56 1993X STRI.**
- A Biological survey for the nation / National Research Council. **QH76.N27 1993 STRI.**
- Biostatistics / Brian Williams. **QH323.5.W55 1993X STRI.**
- Carabid beetles: ecology and evolution / edited by K. Desender et al. **QL596.C2C16 1994X STRI.**
- Il Corallo rosso in Mediterraneo: arte, storia e scienza/Fabio Cicogna & Riccardo Cattaneo-Vietti, eds. **qQL377.C5C78 1993 STRI.**
- Developing artificial wetlands to benefit wildlife and livestock / Rich Olson. **QH541.5.M3O52 1990 STRI.**
- Ecology of teleost fishes / RJ Wootton. **QL615.W63 1991Y STRI.**
- Epithelial and neuronal cell polarity and differentiation / E.Rodríguez-Boulan & WJ Nelson. **QH573.E64 1993 STRI.**
- Estructura, composición y aspectos silviculturales de un bosque de robles (*Quercus* spp.) del piso montano en Costa Rica / J.Blaser & M.Camacho. **SD150.C8B64 1991 STRI.**
- Estudio de la población de copépodos Calanoida relacionados al afloramiento costero y disponibilidad de fitoplancton en la Bahía de Panamá/E. Guerra R. & MJ Vega Q. **QL444.C72G93 1993 STRI.**
- Evolutionary differentiation in morphology, vocalizations, and allozymes among nomadic sibling species in North American red crossbill (*Loxia curvirostra*) complex / JG Roth. **QL696.P246G76 1993X STRI.**
- The Families of flowering plants: interactive identification and information retrieval / L.Watson & MJ Dallwitz. **MRDR STRI.**
- A Field guide to the Birds of Borneo, Sumatra, Java and Bali / J.MacKinnon & Karen Phillipps. **QL691.I5M33 1993X STRI.**
- Flora of Madeiran Pleurocarpus mosses (Isobryales, Hypnobryales, Hookeriales) / Lars Hedenas. **QK542.45.M3H45 1992 STRI.**
- The History and geography of human genes / LL Cavalli-Sforza et al. **Ref. QH431.C395 1994X STRI.**
- Lauraceae: *Nectandra*/JG Rohwer. **QK495.L375R73 1993 STRI.**
- The Maize handbook / Michael Freeling & Virginia Walbot, eds. **SB191.M2M3275 1994X STRI.**
- El Manejo del mundo: naturaleza y sociedad entre los Yukuna de la Amazonia colombiana / MC van der Hammen. **F2270.2.Y87H36 1992X STRI.**
- Manejo forestal basado en la regeneración natural del bosque: Estudio de caso en los robledales de altura de la Cordillera de Talamanca, Costa Rica / Robin aus der Beek & Grace Sáenz. **SD150.C8B414 1992 STRI.**
- Molecular biology of membranes: structure and function / HR Petty. **QH601.P473 1993X STRI.**
- Patterns in tropical rain forest in Guyana / Hans ter Steege. **QK267.S73S81 1993 STRI.**
- Photomorphogenesis in plants - 2nd Edition / RE Kendrick & GHM Kronenberg, eds. **QK757.P45 1994X STRI.**
- Regeneración natural sobre árboles muertos en un bosque nublado de Costa Rica / C.Raber. **QH938.F6R115 1991 STRI.**
- Research in Shark Bay: report of the France-Austale Bicentenary Expedition Committee / edited by PF Berry et al. **QH197.R427 1990 STRI.**
- Scent and fragrances: the fascination of odors and their chemical perspectives / Gunther Ohloff. **TP983.O3413 1994X STRI.**
- Skeletal biology in the Great Plains: migration, warfare, health, and subsistence / edited by DW Owsley & RL Jantz. **E78.G73S5 1994X STRI.**
- Sobre la producción de carbón en los robledales de altura de Costa Rica / L.Pedroni. **HD9999.C384C8 1991 STRI.**
- Special issue on Diversity and flexibility of biotic communities in fluctuating environments. **QH546.S74 1993 STRI.**
- Towards a global terrestrial observing system (GTOS): detecting and monitoring change in terrestrial ecosystems. **QC903.T73 1993 STRI.**
- Trees for drylands / editor Drake Hocking. **QK477.T78 1993 STRI.**
- Umbelliferae (Apiaceae) of India / PK Mukherjee & Lincoln Constance. **QK495.U48M95 1993 STRI.**
- World resources 1994-95: a guide to the global environment, Data Base Diskette / World Resources Institute. **MRDF67 STRI.**