

STRI newsletter

August 14, 1992

SMITHSONIAN TROPICAL RESEARCH INSTITUTE - Apartado 2072, Balboa, Panamá

No. 33

TUPPER CENTER SEMINARS

No noon seminar speaker scheduled for Tuesday, August 18, due to AMLC meetings.

Next Week

Tuesday, August 25, presentation of video *La Batalla de los Dioses* in celebration of the 500 years of the discovery of America. This is the second video in the series "El Espejo Enterrado" (The Buried Mirror), narrated by Carlos Fuentes.

PEOPLE

Arrivals

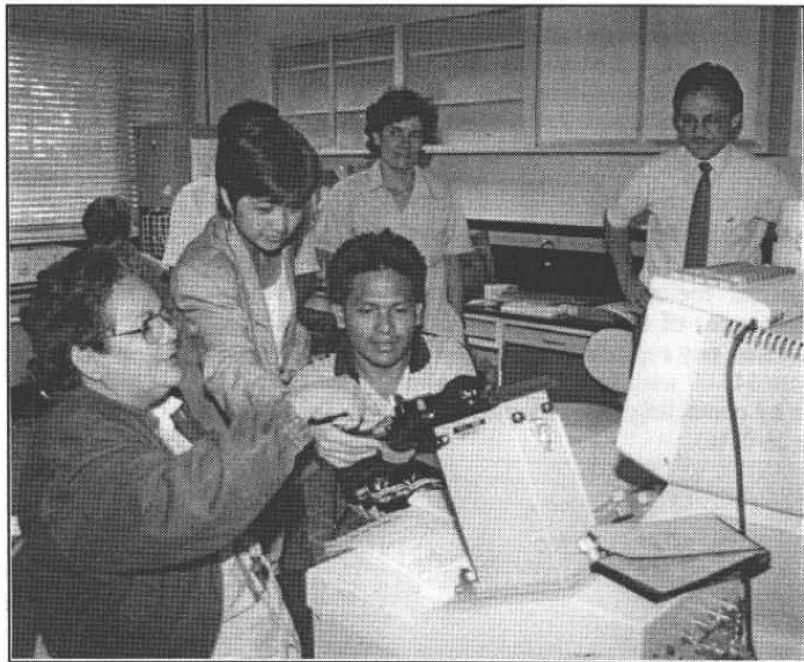
- Elizabeth Stacy, Univ. of Georgia, Aug 16-31, to work on gene movements among widely dispersed tropical trees on BCI.
- Charles Bennett, Univ. of California at Los Angeles, Aug 16-26, to visit Chiriqui and Bocas del Toro for possible future research.
- Participants in the Marine Labs of the Caribbean Congress at STRI, Aug 17-23.
- John Barone, Univ. of Utah, Aug 20-Nov 20, to investigate herbivory as a cause for higher juvenile tree mortality near conspecific adults on BCI.

Departures

- Stanley Rand, staff scientist, Aug 15-Sep 4 to Princeton, NJ, to attend the meetings of the 4th International Behavioral Ecology Congress, then on vacation to Iowa.
- Stanley Heckadon Moreno, research associate, Aug 14-30, to Sri-Lanka, Indonesia and Singapore to participate in the committee that will select the country that will host the headquarters of the new Center for International Forestry Research (CIFOR).

Deseando una Pronta Recuperación

Fausto Bocanegra, antiguo empleado de BCI, sufrió un derrame cerebral hace dos semanas. Actualmente se encuentra en cuidados intensivos de la Clínica San Fernando. Le deseamos una pronta recuperación.



From Aug 4-7, James A. Makeeff (right), applications specialist from JEOL Inc. gave a training course in scanning electronic microscopy to Mireya Correa (left to right), Katherine Ming Hpu, Maximo Jimenez and Yira Ventocilla. Raineldo Urriola, Lisa Kelhoefer, John Jones and Noris Salazar also took part in the course ••• Del 4 al 7 de agosto, James A. Makeeff (derecha), especialista en manejo de JEOL Inc. dictó un curso de entrenamiento para manejar el microscopio electrónico de barrido a Mireya Correa (de iz. a der.), Katherine Ming Hpu, Maximo Jimenez y Yira Ventocilla. Raineldo Urriola, Lisa Kelhoefer, John Jones y Noris Salazar, también participaron en el curso.

(Foto: M.A. Guerra)

THINGS YOU SHOULD KNOW

Use or Lose Annual Leave Balances

Balance de Vacaciones de Usar o Perder

Effective pay period 18 (Sep 6-19, 1992), the National Finance Center (NFC) will project "use or lose" annual leave balances for Smithsonian employees earning leave. The projected "use or lose" annual leave data will appear in the "Year to Date" leave status box in the lower right corner of employee's Earnings and Leave Statement. Earnings and Leave Statements for pay period 18 will be mailed the week of September 28, 1992. Desde el período de pago 18 (Sep 6-19, 1992), el National Finance Center (NFC) mostrará los balances de vacaciones para "usar o perder" para todos los empleados del Smithsonian que acumulan vacaciones. La información proyectada de tiempo de vacaciones de "usar o perder" aparecerá en el espacio de balances acumulados en la esquina derecha de los "talonarios" (Statements of Earnings and Leave). Los talonarios para el período de pago 18 serán enviados por correo la semana del 28 de septiembre de 1992.

At Tupper Center

- August 17-19 Association of Marine Laboratories of the Caribbean Meetings (AMLC); Auditorium, Exhibit Hall and Meeting Rooms.
- August 20 Dobbo Yala Meeting, Large Meeting Room, 9 am-12m.

Association of Marine Laboratories of the Caribbean, 25th Annual Meeting

Remember that all STRI personnel and visitors planning to attend the meeting of the Association of Marine Laboratories of the Caribbean (AMLC) must be registered and pay registration fees in advance (\$25 without lunch; \$45.00 with lunch). Registration forms are available by contacting Ursula Schober at Naos (Tel 28-4060; Fax 28-0516).

Program Summary**Registration**

16th August: 1600 - 2200	Marriot Hotel
17th August: 0800 - 1100	Tupper Conference Center

Technical Sessions

17th August: 0800 - 0920	Welcoming remarks & invited speakers
0920 - 1020	Evolutionary Patterns
1020 - 1700	Coral Reef Ecology
18th August: 0800 - 1000	Marine Monitoring
1000 - 1120	Mangrove Ecology & Posters
1120 - 1200	Posters
1320 - 1640	Benthic Ecology, Invertebrate Biology & Poster
1640 - 1740	Larval Biology
19th August: 0800 - 1120	Vertebrate Biology
1120 - 1500	Fisheries Research
1540 - 1610	Sociedad Latinoamericana de Arrecifes Coralinos
1610 - 1640	CARICOMP

News from Naos ••• Noticias de Naos

Access to Naos will be limited this weekend due to celebrations of the 473rd anniversary of the city of Panama. The Causeway will be closed on Saturday, August 15, from 9-11:30 a.m. and all day Sunday, August 16 ••• *El acceso a Naos estará limitado este fin de semana debido a las celebraciones del 473 aniversario de la fundación de la ciudad de Panamá. La calzada de Amador estará cerrada de 9-11:30 am el sábado 15 de agosto y todo el día domingo 16 de agosto.*

House in Chiriqui Available for Research**Casa en Chiriquí Disponible**

The Hartmann's wish to collaborate with tropical research by offering space for 1 to 5 persons in Santa Clara, Chiriqui, in a cabin with water, toilet, and beds. Visitors must take sleeping bags since there are no sheets, pillows or blankets. There is no charge at the time. They can provide food for \$8/day, or the visitors can use their kitchen if they bring their own supplies.

The Hartmann's can arrange guided tours to Cerro Panda, Parque Internacional La Amistad (PILA) and to their farm in Ojo de Agua, 2km from Santa Clara, at 1200-1600 m above sea level. For reservations, call familia Palacios, Tel 75-6355, or write directly to Mr. R. Hartmann, Entrega General, El Volcán de Chiriquí, Republic of Panama.

To visit PILA, a permit must be obtained from INRENARE. Remember that for research and/or collecting, an IN.RE.NA.RE. permit is also required.

El matrimonio Hartmann desea colaborar con investigaciones tropicales ofreciendo cupo para de una a cinco personas en su cabaña en Santa Clara, Chiriquí. Es una cabaña con agua, servicio sanitario y camas. El visitante deberá llevar bolsas para dormir, ya que no hay sábanas, almohadas ni cobijas; el alojamiento es gratis. Se ofrece alimentación por \$8 al día, o el visitante puede tener acceso a la cocina, siempre y cuando lleve sus propios comestibles. Los Sres. Hartmann pueden hacer los arreglos para excursiones con guía a Cerro Pando, Parque La Amistad (PILA) y a su finca de montaña virgen en Ojo de Agua, a 2 km. de Santa Clara, que está a 1200-1600 msnm.

Las reservaciones se hacen por medio de la familia Palacios al teléfono 75-6355, o directamente por correo al Sr. R. Hartmann, Entrega General, Volcán, Chiriquí.

Para visitar el Parque Internacional La Amistad es necesario conseguir un permiso de visita con el INRENARE, y recuerden que para hacer investigación científica o colecta, también es necesario tener los permisos válidos del INRENARE.

ANNOUNCEMENTS**New Grant for Conservation**

The Office of International Activities of the Smithsonian Institution has recently approved a renewal grant to AIPEP through Alan Smith and Elena Lombardo, to fund protection activities for one year at the Metropolitan Nature Park.

The Park presently hosts the tower crane where research on the canopy is being carried out by a number of STRI scientists and visitors.

Closing Down of Accounting and Procurement FY 1992

The Accounting and Procurement Departments at STRI need everyone's cooperation to facilitate closing of fiscal

year 1992. Your attention to the following guidelines is essential to make sure all obligations are recorded properly in the accounts as of September 30, 1992.

■ **Requisitions and Purchase Orders**

All requisitions to obligate funds for FY 1992 federal funds must be submitted by **Monday, August 31, 1992**. Similarly, all requisitions to obligate funds against private accounts for any purchases you wish to make before September 30, 1992, must be submitted to Accounting **before Monday, August 31, 1992**. After that date no new purchases, except bona fide emergency requests, will be processed.

■ **Amendments to Purchase Orders**

Amendments increasing the total of the Purchase Orders opened in FY 1992 will not be processed automatically after September 30, 1992. If STRI is notified by a vendor after September 30 that the actual price of the item exceeds by a significant amount the price considered in the purchase order, we will have to cancel it in order not to overrun the FY 1992 budget. Therefore, we recommend that the price as well as the shipping cost of items being ordered as we approach year end, be confirmed from the vendor through the Procurement Department. If a requestor has obtained a fax confirmation of prices from a vendor, please submit the confirmation with the requisition.

It is also important to keep in mind that, due to federal regulations, we will not be allowed to amend any FY 1992 Purchase Orders after September 30, 1992 in order to change items. Therefore, when submitting requisitions as we approach year end also try to verify that the requested items are in stock.

Guggenheim Fellow at STRI

Dr. Jorge Illueca will be at STRI for one year on a John Simon Guggenheim Memorial Foundation Fellowship to study *The Introduction of African pasture grasses and deforestation in the Province of Chiriquí, Panamá, 1850-1940*. Dr. Illueca was the former coordinator of Environmental Management and Chief of the Terrestrial Ecosystems Branch for the United Nations Environmental Programme (UNEP). His office will be at the Tupper Center, Room 536.

Libros sobre SIDA

La Oficina de Recursos Humanos de STRI anuncia que tiene disponible para prestar a sus empleados los siguientes libros sobre el tema del SIDA:

Tu puedes evitarlo, de Magic Johnson

Información y prevención sobre el SIDA

El SIDA: medicina y ética, de Ignacio Alberola y Juan Moya

Viviendo con SIDA y HIV, de D. Miller

La mujer y el SIDA, de D. Richardson

Fundacion Natura News

The Government of Panama has authorized the negotiations with commercial banks concerning the national debt. This is of interest to Fundación Natura because it paves the way for financing future environmental projects through the debt-for-nature swap.

Equipment Available at Tupper

A Beaulieu 4008Zm2 Super 8 Camera, which does high (64F PM) and low speed plus single frame analysis mode. Also available is a Mizo 8mm Camera that does same but does not have removable lens. If interested contact Neal Smith.

PANAMA RESEARCH SITES

Proposed Parque Nacional San Lorenzo

This proposed protected area is located just west of the Colon entrance to the Panama Canal. The park includes approximately 14,657 hectares, of which 3,694 have already reverted to Panama.

Altitude and Topography

Altitude ranges from sea level to 200 m. above sea level. Topography consists of high hills on the south, and smaller ones close to the coast with underlying limestone rock; alluvial soils are found along the Chagres River and wetlands are found near the lower reaches of Limon Bay.

Objectives

- Protection of Caribbean humid tropical forests and of northern end of ecological corridor through the isthmus of Panama
- Sustainable source of income for the people of Colon through eco-tourism
- Potential for recreational activities and water sports
- Continuation of scientific research
- Protection of archaeological sites and other sites of historic interest

Vegetation: According to the Holdridge classification system there is only one life zone within the Park: humid tropical forest. Coastal vegetation consists of mangroves and wetlands covered with strands of acacia (genus *Prioria*). Annual precipitation is approximately 3294 mm, mean temperature is 26.9 C and relative humidity is 82.8%.

Fauna: Crocodiles, caymans and raccoons are common in the area. Resident and migratory birds use the area extensively. Yearly bird censuses reveal the existence of more than 400 species in the area. Also found in the park are a minimum of 75 species of mammals and some beaches are nesting sites for hawksbill and leather-back turtles.

For more information, call INRENARE at 32-4325 or write the Panama Audubon Society, Box 2026, Balboa, Panama.

STRI NEW BOOKLIST

Ot Aptekarskogo ogoroda do Botanicheskogo instituta: ocherki po istorii Botanicheskogo instituta Akademii nauk SSSR / [Otvetsvennye redaktory, P.A. Baranov i E.G. Bobrov]. QK73.A55A6X 1957 STRI

Biology of the reptilia, v.17, Neurology C: Sensorimotor integration, edited by Carl Gans & Philip S. Ulinski. QL641.G19 STRI

Biology of the reptilia, v.18, Physiology E: Hormones, Brain, and Behavior, edited by Carl Gans & Philip S. Ulinski. QL641.G19 STRI

Conspectus Bryophytum Orientalum et Arabicorum: an annotated catalogue of the bryophytes of Southwest Asia / by Wolfgang Frey & Harald Krschner. QK533.84.M628F74 1991X STRI

Continental shelves / edited by H. Postma & J.J. Zijlstra. QH541.5.S3C64 1988X STRI

Diccionario de botánica / publicado con la colaboración de eminentes especialistas, bajo la dirección del P. Font Quer con un millar de figuras en gran parte originales de E. Sierra Ráfols. Ref QK9.F73 1989 STRI

Early ceremonial architecture in the Andes: a conference at Dumbarton Oaks, 8th to 10th October 1982 / Christopher B. Donnan, editor. F3429.3.A65E17 1985X STRI

The Ecology of aquatic hyphomycetes / Felix Bröcher (ed.). QK625.A1E36 1992X STRI

Ekologiya ryb kubinskogo shl'fa = Ecología de los peces de la plataforma cubana / otvetstvennye redaktory, V.E. Sokolov, G. Garsiia. QL631.C9E36 1985 STRI

Glossary: carbon dioxide and climate / [F.M. O'Hara]. Ref QC879.8.O36 1990 STRI

Fishes of the western North Atlantic, pt.9, v.1: Orders Anguilliformes and Saccopharyngiformes. QL621.5.F537 STRI

Fishes of the western North Atlantic, pt.9, v.2: Order Leptocephali. QL621.5.F537 STRI

Hacia una Centroamérica verde: seis casos de conservación integrada / Stanley Heckadon... [et al.]. S934.C4H33 1990X STRI

Insects of Panama and Mesoamerica: selected studies / edited by Diomedes Quinteron and Annette Aiello. QL478.P2I54 1992X STRI

Morphological variation and ecological status of *Hydrilla verticillata* (L.f.) Hoyle in Gatun Lake, Panama / by Jorge Briceño M. QK495.H86B84 1990 STRI

Nutritional requirements of *Lactarius* species and cultural characters in relation to taxonomy / a A.J.P. Oort. QK629.R87O59 1981 STRI

Oligonucleotides and analogues: a practical approach / edited by F. Eckstein. QP625.O47O55 1991X STRI

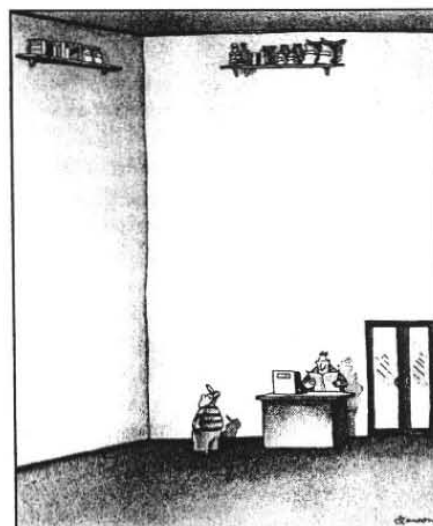
Peritrophic membranes / W. Peters. QL863.P47 1992X STRI

Report of the Board of Consulting Engineers for the Panama Canal. TC774.U25 1906aX STRI

Les Ressources halietiques des pays insulaires du Pacifique. Troisieme partie, les trocas = The fishery resources of Pacific island countries. Part 3, trochus / W. Bour. SH377.P16B76 1990 STRI

Tropical forests: slowing the destruction / Richard Jagels. SD418.3.T75J24 1990 STRI

Washington information directory, 1991-1992. Ref F192.5.W276 STRI



Inconvenience stores