

STRI newsletter

July 2, 1993

SMITHSONIAN TROPICAL RESEARCH INSTITUTE - Apartado 2072, Balboa, Panamá

No. 27 ²⁸

TUPPER CENTER SEMINARS

Tue, Jul 13 noon seminar speaker will be Qinhua Jian, Peking University, People's Republic of China.

Preliminary Report on Environmental Archaeological Study in the Central China Plain

Abstract

The Central China plain traditionally comprises most of the Henan Province and southern part of the Shanxi and Hebei Province. This region had been the center of the ancient Chinese civilization for several thousand years. Abundant archaeological excavations have been conducted in this region since the 1920s and many important discoveries have been made. As a supplement to the archaeological study in this region, we are carrying out a multi-disciplinary study on the aspect of environmental archaeology. At the present, we have sampled three archaeological sites, dating respectively as 4500-2500 BP in the Quwo County, for palynological and phytolith study in order to obtain paleoenvironmental and cultural information. Besides samples from the archaeological sites, we have also collected lake sediments for comparison purpose. Preliminary study of one of the sites in Dengfeng County (dating 500-600 BP) of the northern Henan Province indicates that there were slight climatic fluctuations as shown in the pollen spectrum. Abundant and diverse phytoliths in the section shows that there were heavy agricultural activities conducted here. Evidence of rice agriculture is indicated by the traces of glume inside the clay-bricks, which were used for building houses. Further evidence of rice can be obtained from phytolith study.

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Editor: *Maria Luz Calderón*
Photographic Services: *STRI Photo
Department*



On July 15, the Fausto nature trail on BCI, is one year old. During this first year, 2160 Day-Visitors have enjoyed walking it ••• El 15 de julio el sendero natural Fausto cumplirá su primer año. Durante este período 2,160 visitantes de un día lo han disfrutado su recorrido. (Foto: M.A. Guerra)

PEOPLE

Arrivals

- Bill and Mary Jane Eberhard, Jul 9-31, to do research at the STRI library and consult with colleagues.
- Nicole Casteel, Washington and Lee University, Jul 10-Mar 94, to work with Gregory Adler, on BCI.
- Jeff Brawn and Scot Robinson, Illinois Natural History Survey, Jul 12-22, to monitor the dynamics of avian communities and population in central Panama.
- Louise Collerson, California, Jul 12-21 Aug, to work as volunteer for Laura Gutiérrez, at San Blas.
- Devon Pearce, California, Jul 12-21 Aug, to work as volunteer for Janna Ellingson, in Gamboa
- Jerome Howard, University of New Orleans, Jul 15-13 Aug, to work with Steve Hubbell, on BCI.
- Patricia Escobar, State University of NY, Jul 15-15 Jan 94, to work with James Thompson, on BCI.
- Matthew Gompper, Predoctoral Fellow from the Univ. of Tennessee, Jul 15-15 Aug, to study the importance of genetic relatedness to the exhibition of social behavior in the coati *Nasua narica*, on BCI.
- Deedra McClearn and William Glanz, Cornell University, Jul 23-14 Aug, to perform a survey of mammal communities at three forested sites in the BCNM, on BCI.

Departures

- Elena Lombardo, Jul 15-23, to Washington D.C., on official business to SI.

THINGS YOU SHOULD KNOW**Delegation of Authority**

Leonor Motta will serve as Acting Director of STRI from Jul 12-13. Outgoing correspondence should be prepared for her signature.

At Tupper Center

- Mon, Jul 12 Exhibit: *Jardín Infantil Montessori*, 8:30am, *Instituto Rubiano*, 2pm.
- Tue, Jul 13 Exhibit: *Colegio Pedro José Sosa*, 9:pm and 10:30am.
Noon seminar by Qinhuia Jiang, Auditorium.
- Wed, Jul 14 Exhibit: *Jardín Infantil Montessori*, 8:30am, *Primer Ciclo el Copé (Coclé)*, 2pm.
- Thu, Jul 15 Exhibit: *Colegio Regiomontano*, 9am, *Colegio Episcopal de Panamá*, 10:30am.
- Fri, Jul 16 Exhibit: *Instituto Cultural*, 9am, *Escuela República de México*, 10:30am.

At the Culebra Marine Biological Reserve

- Tue, Jul 13 *Instituto Alfredo Cantón*, 8:30am
- Wed, Jul 14 *Escuela Pedro J. Sosa*, 8:30am
- Thu, Jul 15 *Centro Infantil Montessori*, 8:30am
- Fri, Jul 16 *Kinder Claret*, 9:00am

For E-Mail Users

by Francisco Rivera

Basic Instructions to Minimize Downtime of the E-Mail System

- After typing OIRM:

—If the INTELPAQ prompt does not appear, press the Alt and F2 keys simultaneously. This will take you back to the DOS prompt. Try again by typing OIRM. If the INTELPAQ prompt does not appear report the problem to Francisco Rivera, Raineldo Urriola or Fernando Bouche.

—If for some reason the execution of the script stops, try pressing enter once. If nothing happens, press Alt+F2. Try again by typing OIRM.

- When you get the SI Castle:

—The system will only allow you to try three times to input your user ID and password. Then, it will be necessary to reset the IBM mainframe system. If you experience this situation pres Alt+F2. Report the problem.

- To exit the E-Mail system:

—Type LOGOFF, LOGOUT or LOG. This will take you to the DOS prompt.

■ If you get the message *Number of users exceeded*, this could mean that all ports are being used. You should try later. If you still get the message, report the problem.

■ If for some reason you need to get out of the system and you can not LOGOUT properly, pres Alt+F2 keys. Do not turn off your computer without trying this first. If you must turn off your computer without login out, report it.

Move to Tupper ••• Mudanza al Tupper

Due to remodelling on Surfside, the Oil Spill crew will move to the Tupper Center on Aug 2 ••• *El personal del Proyecto de Derrame de Petróleo se mudará al Centro Tupper a partir del 2 de agosto, debido a la remodelación de las instalaciones en Surfside.*

ANNOUNCEMENTS**From the Office of Development**

We are pleased to announce that Glenn O. Tupper and family recently donated an additional million dollars to the Earl S. Tupper Endowment Fund at STRI. The fund ensures a long-term base of support for tropical biological research and conservation programs. At the same time, Glenn Tupper and his family made a contribution of \$200,000 to the National Museum of American History Archives Center, which documents the lives and work of individuals who have had a significant impact on American business and culture. Earl S. Tupper was the founder and inventor of Tupperware. The recent gift to the National Museum of American History included early examples of Tupperware, as well as archival materials related to the founding of the company. Our deep appreciation to Glenn Tupper and his family for their generous commitment to tropical research at STRI.

De la Dirección de Asuntos Externos

Durante la semana del 28 al 30 de junio se llevó a cabo la IV *Consulta sobre el Medio Ambiente* del Banco Interamericano de Desarrollo (BID) con la participación de representantes de más de 12 países latinoamericanos y observadores internacionales. Elena Lombardo representó a STRI durante las sesiones, en donde, a solicitud de los organizadores, Brian Keller presentó una charla acerca del proyecto de los efectos del derrame de petróleo, la cual captó gran interés. El acto contó con la presencia del presidente de la república, Guillermo Endara G., el presidente del BID, Enrique Iglesias, la ministra de Planificación y Política Económica, Delia Cárdenas y el jefe de la división de Protección del medio ambiente del BID, Marc Dourojeanni. Durante las sesiones fue claro el compromiso del BID por los asuntos del medio ambiente, con evidente interés en el saneamiento de la Bahía de Panamá donde el BID espera financiar parte de los estudios de factibilidad del proyecto.

From the Diving Officer

An entry level scientific Scuba course starts on 26th of July. For information call José Espino, Naos, Tel. 28-4498 or 28-4022

From the Library

When the catalog is down please use the STRI holdings by title (up to 1991) available in 4 grey binders in the library.

From the Mini-Bookstore

The STRI Mini-Bookstore has just inaugurated the *Children's Corner* with all kind of books from Scholastic and Random House and educational games for kids. This week's sale will include recycled stationary paper, ready-to-frame prints, animal mobiles. Also, the bookstore has recently received a great selection of taguas and baskets from the Wounaan people.

New books: *Green Markets: the Economics of Sustainable Development* by T. Panayotu, \$15.95. • *The Encyclopedia of Flowers* by Derek Fell, \$20 • *The Herb Book* by A. Boxer and P. Back, \$18 • *The Field Guide to Geology*, by D. Lambert and the Diagram Group, \$19.50 • *La Destrucción de la Naturaleza*, by C. Vázquez Y. and A. Orozco S., \$9.95 • *Ecología de Poblaciones*, by J. Soberón, \$9.95 • *Cambiando el Rumbo: una Perspectiva Global del Empresario para el Desarrollo y el Medio Ambiente*, by S. Schmidheiny \$15.85. Also available in English • *Mushrooms and other Fungi's Nature Guide*, by G. Kibby, \$10 • *Seashell's Nature Guide*, by R. Tucker and Abbott, \$10 • *A Forest Journey: the Role of Wood in the Development of Civilization*, by J. Perlin, \$18 • *Hombre y Cultura, Vol 2*, Universidad de Panamá, \$6.50 • *Ecología de un Bosque Tropical*, ed. by E. Leigh, A.S. Rand and D. Windsor, \$13.25.

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

"Never doubt that a small group of thoughtful, committed citizens can change the world; indeed, it's the only thing that ever has."

MARGARET MEAD



The San Blas Marine Station has undergone renovation of its living and lab facilities. Full renovation of the station is expected for next fiscal year ••• La Estación Marina de San Blas ha sido objeto de renovación de sus instalaciones de hospedaje laboratorios. Se espera que durante el próximo año fiscal se termine de renovar esta Estación. (Foto: A. Montaner)

OPORTUNIDADES DE ENTRENAMIENTO

Ecología de Poblaciones 94-2 (Ecología Tropical)

La Organización para Estudios Tropicales (OET) y la Universidad de Costa Rica (UCR) anuncian el curso de Ecología de Poblaciones cuyos objetivos son: ■ Exponer al estudiante a la teoría y práctica de las comunidades de plantas y animales en condiciones naturales ■ Reducir la brecha que se nota en muchos programas de biología en América Latina, entre la teoría ecológica y los experimentos y observaciones en el campo ■ Estimular el uso de criterios ecológicos en la conservación y el manejo sustentable de los recursos naturales.

Duración: del 12 de enero al 2 de marzo de 1994

Fecha tope de inscripción: 30 de julio de 1993

Costos: Matrícula, costos de instrucción, materiales y equipo \$1,700. Transporte durante el curso \$600 • Alimentación y alojamiento \$1,200; sumando un total de \$3,500.

Financiamiento: Aún cuando lo ideal es que cada estudiante obtenga los fondos necesarios para cubrir el costo del curso, existe la posibilidad de otorgar becas parciales o totales a los estudiantes que no puedan conseguir el financiamiento en sus países. Sin embargo las becas se ofrecerán exclusivamente a estudiantes latinoamericanos y del Caribe. Para mayores detalles y solicitud de admisión, consulte la Oficina de Educación en el Centro Tupper.

STRI NEW PUBLICATIONS

- Adverse effects of herbal drugs / edited by P.A.G.M de Smet... [et al.]; in collaboration with the Pharmaceuticals Programme of the World Health Organization, Regional Office for Europe. RM666.H33A34 1992 v.1 STRI.
- The Africa-South America connection / edited by W. George and R. Lavocat. QH194.A32 1993X STRI.
- Behaviour and social evolution of wasps: the communal aggregation hypothesis / Y. Ito. QL568.V5I77 1993X STRI.
58. Calymperaceae / by W.D. Reese. 59. Leucophanaceae / by Noris Salazar Allen. QK539.C3R32 1993 STRI.
- Cannibalism: ecology and evolution among diverse taxa, ed. by M.A. Elgar and B.J. QK575.57.C36 1992X STRI.
- Control of plant gene expression / edited by Desh P.S. Verma. QK981.4.C66 1993X STRI.
- Determinacion del grado de heterocigosidad genetica de las abejas africanizadas (Hymenoptera: Apidae) en la Republica de Panama por O. Duran L. y V.E. Moreno M. QL568.A6D94 1991 STRI.
- El Dorado, l'or de Colombie / J.L. Arellano, J. Grondin. F2270.1.G57L96 1991 STRI.
- Encyclopedia of environmental studies / W. Ashworth. Ref TD9.A84 1991X STRI.
- Imperial Shags and other birds of the Lago General Vintter area, Chubut Province, Argentina / P.C. Rassmussen, P.S. Humphrey, and J. Muniz-Saavedra. QL689.A7I34 1992 STRI.
- Indices to the species of mosses and lichens described by W. Mitten/B.M. Thiers, project coordinator. QK537.I39 1992 STRI.
- The Islands and the sea: five centuries of nature writing from the Caribbean ed. by J.A. Murray. QH109.A1I83 1991X STRI.
- Lake Tanganyika and its life, ed. by G.W. Coulter; with contributions from J.J. Tiercelin, et al. QH195.T28L35 1991X STRI.
- Limnocharitaceae / by R.R. Haynes and L.B. Holm-Nielsen. QK495.A4H42 1992 STRI.
- Lepidoptero fauna de Oaxaca. I, Distribucion y fenologia de los papilionoidea de la Sierra de Juarez/M.A.L. Martinez, et al. QL553.M6L95 1991 STRI.
- Local area networks in libraries / K.E. Marks and S.P. Nielsen. Z678.93.L63M37 1992X STRI.
- Mycorrhizal functioning: an integrative plant-fungal process / M.F. Allen, editor. QK604.2.M92M93 1992X STRI.
- Neem (*Azadirachta indica*) como plaguicida natural: bibliografía. Z5074.P4N37 1991 STRI.
- Natural selection: domains, levels, and challenges / George C. Williams. QH375.W52 1992X STRI.
- Nutricion de larvas de *Mithrax spinosissimus* (Lamarck), en aguas panamenas del Caribe / por I. Fernandez y P. Zapata. QL444.M33F36 1991 STRI.
- The Orchids of Puerto Rico and the Virgin Islands = Las orquideas de Puerto Rico y de las Islas Virgenes / texto de J.D. Ackerman; ilustraciones de Maria del Castillo. QK495.O64A35 1992X STRI.
- Ornithological gazetteer of Bolivia / R.A. Paynter. Ref QL689.B6P39 1992Y STRI.
- Risk assessment in conservation biology / M.A. Burgman, S. Ferson, H.R. Akcakaya. QH352.B87 1993X STRI.
- Rollinia / by Paul J.M. Maas, Lubbert Y.Th. Westra and collaborators. QK495.A6M112r 1992 STRI.
- Scaling physiological processes: leaf to globe / edited by James R. Ehleringer, Christopher B. Field. QK905.S33 1993X STRI.
- Some hylid frogs from the Guiana highlands, northeastern South America: new species, distributional records, and a generic reallocation / William E. Duellman and Marinus S. Hoogmoed. QL668.E24D85 1992 STRI.

Last Minute News ••• Al Cierre

To all customers at Tupper Center: starting next week, the soda machine will sell cans instead of bottles. The new price is 40 cents ••• A los clientes del Centro Tupper: A partir de la próxima semana la máquina de soda venderá latas en vez de botellas. El nuevo precio será de 40 centavos.