

STRI news

March 21, 1997

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TUPPER CENTER SEMINARS

Tue, Mar 25, noon seminar speaker will be Elisabeth Kalko, STRI and University of Tübingen.

Echolocation Call Design of Bats (Microchiroptera) as a Tool to Assess Diversity, Ecologies, and Phylogenetic Relationships

Abstract

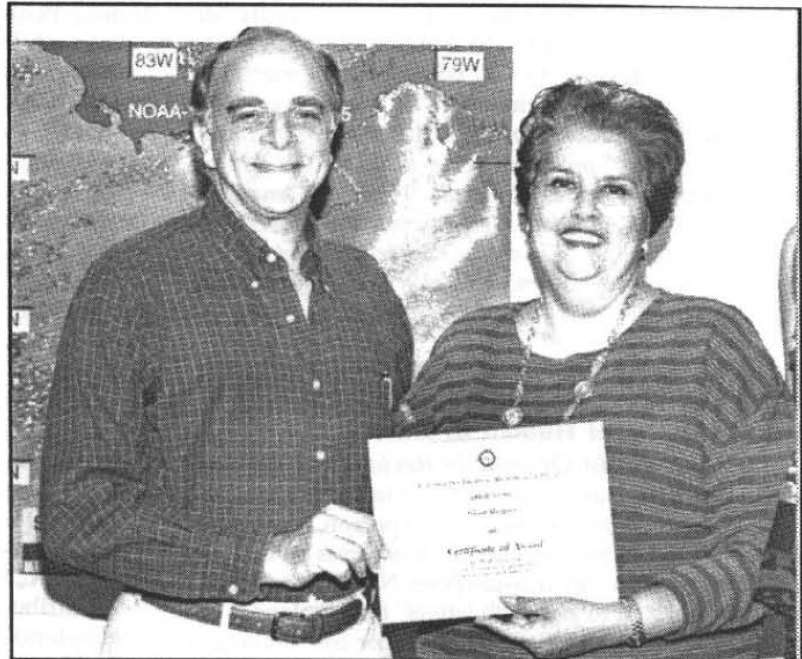
The development of a sophisticated echolocation system permit bats to orient in space at night and to a varying degree to detect, characterize, and localize food. Structure of echolocation signals varies widely among species. Based on call structure, many species, particularly aerial insectivores, can be identified to genus and species level. Characteristically, certain features in the echolocation call design of bats are correlated with foraging style and habitat use. Hence, structure of echolocation signals allows predictions to be made about the feeding ecologies of bats. Furthermore, first results show a surprising variety of all design within and between families and genera of bats with similar feeding ecologies. In my talk I present a brief overview how echolocation call design can be used as a tool to assess habitat use, foraging behavior, and diversity of bats (acoustic monitoring) and discuss, how comparison of call design between bats may give more insights into phylogenetic relationships.

BAMBI SEMINAR

Thursday, March 27, Bambi seminar speaker will be Don Windsor, STRI, BCI Conference Room, 7:15 pm.

Leaf Beetles, Natural History and Diversification

Transportation and dinner reservations are essential. Please call BCI at 272-2124.



Director Ira Rubinoff presented Gloria Maggiori, Visitor Services Office Manager at STRI an special certificate of award, "in official recognition and appreciation of exceptional service rendered in the performance of duty" on Fri, Mar 21. Rubinoff emphasized how Maggiori has kept the staff moving around the world managing STRI travel operations. She started working at STRI in 1961 ••• Ira Rubinoff entregó a Gloria Maggiori un premio especial "en reconocimiento oficial y en aprecio por servicio excepcional en el desempeño de sus labores", el viernes 21 de marzo. Rubinoff hizo énfasis en como Maggiori ha mantenido al personal viajando por el todo el mundo. Gloria empezó a trabajar en STRI en 1961. (Foto: M.A. Guerra)

PEOPLE

Arrivals

- Sybille Helbsing, Mar 26-25 Apr, to work with Gerhard Zotz on the water relations of *Annona glaba*, a tree restricted to inundated lake shore, at BCI.

ANNOUNCEMENTS

The photographic exhibit *Las Aves Migratorias no Conocen Fronteras* [Migratory Birds Know no Boundaries], produced by the Israelian Ministry of Education, Culture and Sport "Tomorrow 98", Tel-Aviv University, the Society for the Protection of Nature in Israel, and Globe, was inaugurated on Wed, Mar 19 at the Tupper Center Exhibit Hall by

STRI, the Israeli Embassy and the University of Panama. It will be open to the public until March 31, from 8:30am to 4:30pm ••• *El miércoles 19 de marzo, la Embajada de Israel, la Universidad de Panamá y STRI inauguraron la exhibición fotográfica "Las Aves Migratorias no Tienen Fronteras" producida por el Ministerio de Educación, Cultura y Deportes "Mañana 1998" de Israel, la Universidad de Tel-Aviv, la Sociedad para la Protección de la Naturaleza en Israel, y "Globe". La exhibición estará abierta al público de 8:30am a 4:30pm en el Salón de Exhibiciones del Centro Tupper, hasta el 31 de marzo.*

THINGS YOU SHOULD KNOW

From the Office of Human Resources

De la Oficina de Recursos Humanos

Please make sure that whenever a "job letter" is required by an employee or a services contract person, it must be obtained at the Office of Human Resources, which is STRI's central point for this purpose. No other office at STRI is authorized to sign "job letters" for employees or contract personnel ••• *Se les recuerda por este medio que cualquier empleado o contratista que necesite una "carta de trabajo" debe obtenerla a través de la Oficina de Recursos Humanos, la cual ha sido designada como el punto central para este propósito. Ninguna otra oficina de STRI está autorizada para emitir "cartas de trabajo" a empleados o contratistas.*

From the Library ••• *De la Biblioteca*

Friday, March 28 is a STRI holiday, and the Library will remain closed on Saturday, March 29, for its personnel to enjoy the long week-end ••• *Al ser feriado para STRI el viernes 28 de marzo, la Biblioteca permanecerá cerrada el sábado 29 de marzo, para disfrutar del fin de semana largo.*

STRI IN THE NEWS

"Un Centro donde se Aprende" por Daniel Domínguez Z. 1997. *La Prensa*, Marzo 16: 1C.

NEW STRI PUBLICATIONS

Barnes, Penelope A.G. 1996. "The Role of Nutrition in the Distribution of Chemotrophic Bacteria-Lucinid Bivalve Symbioses in Bermuda." *American Zoologist* 36(5): 106A.

Barnes, Penelope A.G. 1997. "The Functional Morphology of *Macrinula reevesii* (Bivalvia: Mactroidea) in Hong Kong: Adaptations for a Deposit-Feeding Lifestyle." *Journal of Zoology* 241: 13-34.

Dallmeier, Francisco, Kabel, Margo and Foster, Robin. "Floristic Composition, Diversity, Mortality and Recruitment on Different Substrates: Lowland Tropical Forest, Pakitza, Rio Manu, Perú." In: *Manu: The Biodiversity of Southeastern Peru • La Biodiversidad del Sureste del Perú*: 61-88, edited by Don E. Wilson and Abelardo Sandoval. Washington, D.C.: Smithsonian Institution. Lima: Editorial Horizonte.

Heckadon-Moreno, Stanley. 1997. "Berthold Seeman y la Expedición del HMS Herald a Panamá 1846-1851." *"Epocas" Segunda Era*, Marzo: 2-3.

Pandolfi, John M. and Greenstein, B.J. 1997. "Taphonomic Alteration of Reef Corals: Effects of Reef Environment and Coral Growth form I: the Great Barrier Reef." *Palaios* 12: 27-42.

Quintero A., Diomedes and Cambra T., Roberto A. 1997. "Contribución a la Sistemática de las Mutilidas (Hymenoptera) del Perú, en Especial las de la Estación Biológica BIOLAT, Pakitza, Rio Manu." In: *Manu: The Biodiversity of Southeastern Peru • La Biodiversidad del Sureste del Perú*: 327-358.

Salazar Allen, Noris and Grandstein, S. Robert. 1997. "A Report of the Bryoflora of Perú." In: *Manu: The Biodiversity of Southeastern Peru • La Biodiversidad del Sureste del Perú*: 201-210, edited by Don E. Wilson and Abelardo Sandoval. Washington, D.C.: Smithsonian Institution. Lima: Editorial Horizonte.

MAIN UPCOMING EVENTS

April 3 First Anniversary of the *Fundación Smithsonian de Panamá*

April 4 Dedication of the BCI Visitor's Center to the memory of Martin H. Moynihan (1928-1996).



Researchers at the CTPA • Correction

- Tony Coates and Xenia Guerra
- Paul Colinvaux, Enrique Moreno, Eduardo Montenegro and Maria Josefa Villar.
- Richard Cooke and Lourdes Vega
- Jeremy Jackson, Marcos Alvarez, Helena Fortunato, Amalia Herrera and Yira Ventocilla
- Dolores Piperno, Irene Holst and Digna Matías