

STRI newsletter

May 28, 1993

SMITHSONIAN TROPICAL RESEARCH INSTITUTE - Apartado 2072, Balboa, Panamá

No. 22

TUPPER CENTER SEMINARS

No noon seminar scheduled for Tue, May 31.

PEOPLE

Arrivals

- National Geographic film crew, May 31-9 Jun, to film Roy Caldwell's stomatopod research for the film *Animal Cognition*.
- Jill Stahlman, University of Wisconsin, Jun 1-1 Aug, to conduct studies on the social structures and feeding behavior of *Proechymys semispinosus*, on BCI.
- Catherine Robb, Univ. of Connecticut, Jun 1-15 Aug, to study the physiological constraints and reproductive strategies in neotropical anurans, at Gamboa.
- Kathleen Francis, University of Connecticut, Jun 2-27 Jul, to conduct experimental and comparative studies of herbivory in lizards, at the Tupper Center.
- Tamara McGovern, Univ. of Houston, Jun 3-16, to study the effect of asexual colony fragmentation of the sexual reproductive output of the soft coral *Plexaura A*, in San Blas.
- Melvin Tyree, Mellon Senior Fellow, Jun 4-13, to continue his research, on BCI.

Departures

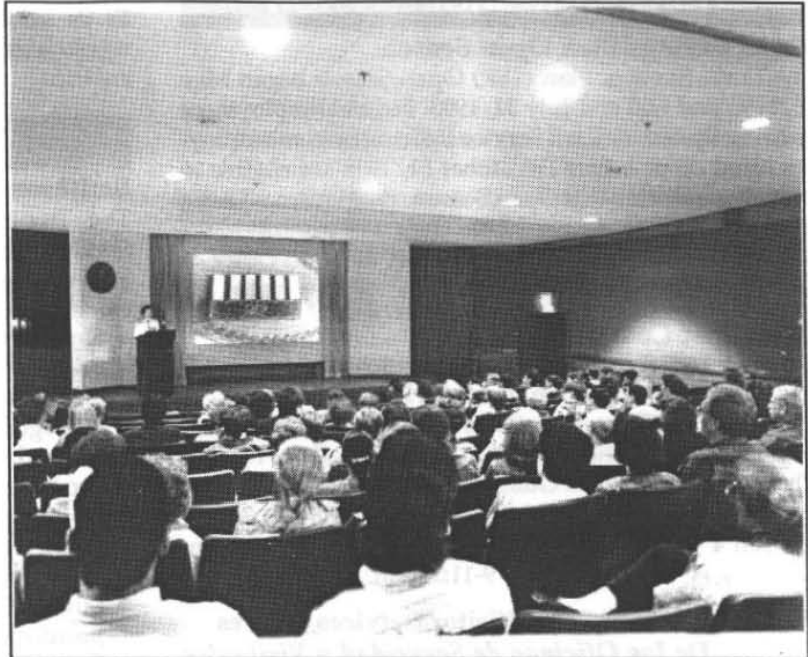
- Joe Wright, May 30-6 Jun, to San Juan, Puerto Rico, to attend the meetings of the Association for Tropical Biology.
- Paul Colinvaux, May 31-10 Sep.
- Llewellya Hillis, May 31-10 Aug.

Calendar for June

- Mon, Jun 7 Meetings with the Directors, scientific council, scientific support and administrative support staff, Large Meeting Room, Tupper, 9 am.
- Tue, Jun 15 Scientific staff meeting, Large Meeting Room, Tupper Center, 1:30 pm.
- Mon, Jun 21 Scientific council meeting, Director's Office, Tivoli, 9am.

Reminder ••• Para Recordar

Mon May 31 is Memorial Day and a holiday for STRI ••• El lunes 31 de mayo se conmemora el día de los soldados caídos en EE.UU. y es día libre para STRI.



Kenneth Slowick, artistic director of the SI chamber music program and member of the "Castle Trio", gave an audiovisual presentation of the Smithsonian's musical instrument collection on Mon, May 24 at the Tupper Center Auditorium ••• Kenneth Slowick, director artístico del programa de música de cámara de SI y miembro del "Castle Trio" presentó un audiovisual sobre la colección de instrumentos musicales del Smithsonian el lunes 24 de mayo en el Auditorio del Centro Tupper.

(Foto: A. Montaner)

Honorary Public Service Award

Mrs. Clarita A.S. Wright received the Bronze Panama Canal Honorary Public Service Award on May 19, in recognition of her services to the Isthmian community. Mrs. Wright has been volunteer at the Smithsonian Tropical Research Institute Library since 1982. She has been involved in two major reference projects known as the Panama and the Smithsonian Tropical Research Institute (STRI) bibliographies. These bibliographies encompass information on Panamanian tropical biology and all STRI scientific works and have been of great value and assistance over the years to staff and visiting scientists, fellows, associates, students, and the Panamanian community. Most recently, they have been of additional value to the biological inventory component of the Panama Canal Alternative Studies. From 1951 to 1972, Mrs. Wright was involved with the Girl Scouts, serving as treasurer and president, and attending international conferences. She is a member of the Soroptimist International Club of Panama, The International Women's Club, and the Officers' Wives Club. The STRI community congratulates Mrs. Wright for this honor.

THINGS YOU SHOULD KNOW

Thrift Savings Plan Open Season

The Thrift Savings Plan (TSP) Open Season began May 15, 1993 and will end July 31, 1993. Federal Employment Retiring System or Civil Service Retiring System employees hired on or before December 31, 1992 are eligible to participate during this Open Season. Employees wishing to begin, change, or reallocate their TSP contributions should fill out a TSP-1. Please contact the STRI Office of Human Resources for assistance.

At Tupper Center

- Tue, Jun 1 Los Ríos Elementary School visit to the Exhibition, Exhibit Hall, 9-11:30 am.
 Wed, Jun 2 Escuela Guillermo Andreve, Arraiján visit to the Exhibition, Exhibit Hall, 9-11:30am.
 Thu, Jun 3 Escuela Guillermo Andreve, Arraiján visit to the Exhibition, Exhibit Hall, 9-11:30 am.
 Fri, Jun 4 Instituto Cultural visit to the Exhibition, Exhibit Hall, 9-11:30 am.

From the Security and Visitor Services Offices

De las Oficinas de Seguridad y Visitantes

We wish to remind all STRI staff, assistants and visiting researchers, that in Panama it is mandatory to carry an I.D. at all times. For residents, a Panamanian cedula is required; for others, their valid passports and/or documents that prove their immigration status in Panama (MI cards, extended tourist cards, etc.). Everyone affiliated to STRI should also carry their valid STRI I.D. card. Everybody driving a vehicle must also have a valid Panamanian driver's licence (if here over 30 days) or their country driver's licence during the first 30 days after their arrival (International driver's licence is valid for 60 days). In addition, if you are driving a STRI official vehicle, you must carry the necessary official driver's licence, issued by STRI. It is very important that you comply with these requirements, as established by the laws of our host country ••• *Queremos recordarle a todos los empleados, asistentes y visitantes de STRI que en Panamá es obligatorio portar una identificación personal en todo momento. Para los residentes, su cédula; para otros, su pasaporte válido y/o documento que demuestre su estatus migratorio en Panamá (tarjeta MI, tarjeta de turismo extendida, etc.). Todos los afiliados al Instituto deben portar su tarjeta de identificación del STRI. Aquellos que manejan vehículos necesitan una licencia de conducir de Panamá (si han estado aquí más de 30 días) o la licencia de conducir de su país durante los primeros 30 días de su estadía (la licencia de conducir internacional es válida por 60 días). Además, si está conduciendo un vehículo oficial del STRI, debe portar la*

licencia de conducir vehículos oficiales, otorgada por el STRI. Es de suma importancia que todos cumplamos con estas regulaciones, establecidas por las leyes de nuestro país anfitrión.

ANNOUNCEMENTS

Smithsonian Fellows Selected

The Tropical Biology Fellowship Committee at the Smithsonian Tropical Research Institute awarded 1993-1994 pre- and post-doctoral fellowships to the following candidates:

- Simon Haberle, Australian National University, post-doctoral fellowship. Palynology of Recent River, Delta and Continental Shelf Sediments from the Amazon Basin.
- Olusegun Osunkoya, University of Auckland, New Zealand, postdoctoral fellowship. Regeneration Niche and Eco-Physiological Strategy of Tropical Rainforest Plants.
- Jay Schneider, University of Chicago, postdoctoral fellowship. Evolution of Geminant Pairs of Transisthmian Cardiid Bivalves.
- Luis Wong-Vega, Texas Technological University, postdoctoral fellowship. Molecular Regulation of Carbon Assimilation Pathways (C₃, CAM) in a Tropical Tree, *Clusia uvitana*.
- Damond Kylo, University of Missouri at St. Louis, predoctoral fellowship. Nutrient Translocation through VA Mycorrhizae and the Effects of Plant Performance and Early Succession Under Differential Light Environments.

10-Week Graduate Student Fellowships were also awarded to the following:

- Nigel Asquith, University of Illinois, Chicago. The Effect of Mammals on the Survival of *Vireo nobilis* in Mainland Forests Adjacent to Barro Colorado Island, Panama.
- Neil Davies, University College, London. Field Studies, Breeding Experiments and Molecular Analysis of a Butterfly Hybrid Zone.
- Matthew Jones, University of Florida. Secondary Dispersal and Seed Predation of *Psychotria marginata* on Barro Colorado Island, Panama.
- Cheryl Morrison, Florida State University. Morphological, Molecular and Reproductive Differentiation among Geminant Species of Snapping Shrimp (Alpheidae: *Synalpheus*) Separated by the Isthmus of Panama.
- Camille Mojica, University of California at Berkeley. Ecology, Behavior and Natural History of the Live-bearing Fish Genus *Brachyrrhaphis*.
- Jason Schulerbrandt, University of California, at Berkeley. Sexual Plasticity and Reproductive Substrate Use in the Cichlid Fish *Aquidens coeruleopunctatus*.

CONGRESS ••• CONGRESO**VI Congreso Latinoamericano de Botánica**

El Comité organizador del VI Congreso Latinoamericano de Botánica invita a los colegas interesados en las diferentes áreas de la botánica a participar en este congreso que se llevará a cabo en la ciudad de Mar del Plata entre los días 2 y 8 de octubre de 1994. En el marco de este congreso se podrá conocer una vez más el desarrollo de la botánica en América Latina y discutir entre los botánicos latinoamericanos y de otras partes del mundo los diferentes aspectos que comprenden las distintas áreas de esta ciencia.

Los interesados pueden recoger una copia de la primera circular del comité organizador en la Oficina de Educación de STRI en el Centro Tupper, que contiene un formulario de pre-inscripción. El monto de la cuota de inscripción se informará en la segunda circular, la que será enviada únicamente a aquellos que hayan enviado el formulario.

International Conference on Ecology and Environment —Call for Papers

Drake Bay, Peninsula de Osa, Costa Rica
Jun 20-24, 1994, Indian Summer.

The *Fundación para la Protección del Bosque Primario*, FUNBOSPRI (Foundation for Primary Forest Protection) is calling for papers from specialists, organizations and people interested in ecology and environment and related fields. The goal of the conference is to share experiences, get perspectives and discuss problems related with ecology and environment and to join individuals and institutions interested in the topic. The main topics to be considered at the conference are: Ecological Experiences; Models for Development and Planning; Pacific Uses of Nuclear Energy and Environment; Quality Control and Environment; Conservation and Management; Community and Ecology; Ecology and Education; Native Cultures and Ecology. Related topics may be considered also. Interested should get in contact with Celso Vargas, Departamento de Computación, ITCR, Apartado 159, Cartago, Costa Rica.



Mishiro Takao, president of Canon Latin America, presented Daniel Holness, director of the Metropolitan Nature Park, and Elena Lombardo, member for STRI on the Park's Board of Directors, a Canon EOS camera, for the first prize winner of the photographic contest "Día de la Tierra 1993". The award ceremony will take place on Jun 4 at the Park's visitors' center ••• Mishiro Takao, presidente de Canon Latin America, entregó una cámara Canon EOS a Daniel Holness, director del Parque Natural Metropolitano y a Elena Lombardo, miembro del Patronato del Parque por STRI, para el ganador del primer premio del concurso fotográfico "Día de la Tierra 1993". La ceremonia de premiación se llevará a cabo en el centro de visitantes del parque el viernes 4 de junio.

(Foto: A. Montaner)

FUNDING OPPORTUNITIES**Educational Outreach Program**

The Educational Outreach Program supports the development of program models which further the diffusion of knowledge through improved and innovative educational outreach. The Outreach Fund, which is administered by the Office of the Assistant Secretary for Public Service, has supported a broad range of projects and activities in most bureaus of the Institution. The program encourages proposals that emphasize: cultural diversity, school-based education programs, audience development, and applied community programming. A peer review panel evaluates proposals and provides comments to the Assistant Secretary for Public Service, who forwards recommendations to the Secretary for approval. All professional research, programming and support staff, including full-time grant and contract employees, are eligible to apply. For guidelines and application materials, contact the Office of the Assistant Secretary for Public Service, Tel. (202) 357-3069. Application deadlines are January 15 and July 15.

STRI NEW PUBLICATIONS

- Aiello, Annette and Cortez, Ricardo.** 1993. "A Very Good Rearing Flask." *News of the Lepidopterists' Society* 2(MarApr): 58.
- Bermingham, Eldredge, Rohwer, Sievert, Freeman, Scott and Wood, Chris.** 1992. "Vicariance Biogeography in the Pleistocene and Speciation in North American Wood Warblers: A Test of Mengel's Model." *Proceedings of the National Academy of Sciences* 89(Jul): 6624-6628.
- Ryan, Michael J. and Rand, A. Stanley.** 1993. "Species Recognition and Sexual Selection as a Unitary Problem in Animal Communication." *Evolution* 47(2): 647-657.
- Van Veghel, Manfred L.J. and Bak, Rolf P.M.** 1993. "Intraspecific Variation of a Dominant Caribbean Reef Building Coral, *Montastrea annularis*: Genetic, Behavioral and Morphometric Aspects." *Marine Ecology Progress Series* 92: 255-265.
- West-Eberhard, Mary Jane.** 1992. "Adaptation: Current Usages." In: *Keywords in Evolutionary Biology*: 13-18, edited by Evelyn Fox Keller and Elisabeth A. Lloyd. Cambridge: Harvard University Press.

STRI NEW BOOKLIST

- The Aesthetics of action: continuity and change in a West African town / Krisl L. Hardin. DT516.45.K65H37 1993X STRI.
- Alergia a venenos de himenopteros ibericos / Carlos Perez Santos y Ana G. Moreno. RC598.A76P43 1991 STRI.
- The Anthropology of art / Robert Layton. N72.S6L39 1991X STRI.
- Biodiversity and ecosystem function / Ernst-Dieter Schulze, Harold A. Mooney, eds. QH313.B54 1993X STRI.
- Dry coastal ecosystems: Polar regions and Europe / ed. by Eddy van der Maarel. QH541.5.C65D79 1993 v.A STRI.
- Etdebali: un viaje al corazon del pueblo Ngobe / Philip Young. F1565.2.G8Y75 1993 STRI.
- Genetic and morphological variation in Porites (Cnidaria, Anthozoa) across the Isthmus of Panama / by Ernesto Francisco Weil Machado. QL377.C7W42 1992 STRI.

EARTH RESIDENT REMINDER

Shower Power—Get a low-flow shower head. It will save 25 gallons of water every time a shower is taken. Also, if you are in the habit of taking a 30-minute shower, try to limit yourself to a 10-minute shower instead. Think of the tremendous savings of water. You'll be proud of yourself—dirty... but proud.

Handbook of the birds of Europe, the Middle East and North Africa: the birds of the Western Palearctic, v.7: Flycatchers to Shrikes / Stanley Cramp, chief editor, [et al.]. QL679.H236 v.7 STRI.

Healers of the Andes: Kallawaya herbalists and their medicinal plants / by Joseph W. Bastien; illustrations by Eleanor Forfang Stauffer. F3320.2.C3B365 1987X STRI.

Humanistic botany / by Oswald Tippo and William Louis Stern; with ill. by Alice R. Tangerini. QK47.T59 Text STRI.

Incidents of travel in Central America, Chiapas, and Yucatan / John L. Stephens; edited by Karl Ackerman. F1432.S883 1993X STRI.

The Last new world: the conquest of the Amazon frontier / by Mac Margolis. GF532.A2M37 1992X STRI.

Letts guide to orchids of the world / Margaret Hodgson, Roland Paine, Neville Anderson. QK495.O64H69 1991 STRI.

Origin and early evolution of the Metazoa / edited by Jere H. Lipps and Philip W. Signor. QE721.2.E85O75 1992X STRI.

The Origins of order: self organization and selection in evolution / Stuart A. Kauffman. QH325.K39 1993X STRI.

Traditional papermaking and paper cult figures of Mexico / by Alan R. Sandstrom and Pamela Effeine Sandstrom. F1219.3.P3S26 1986X STRI.

Vascular plants synopsis of Vietnamese flor. QK361.V37 1990X v.1 STRI.

Wetlands of the world: inventory, ecology, and management, v.1: Africa, Australia, Canada and Greenland, Mediterranean, Mexico, Papua New Guinea, South Asia, Tropical South America, United States / edited by D.F. Whigham, D. Dykyjov, and S. Hejny. QK938.M3W53 1992 v.1 STRI.

Periodicals

International Zoo Yearbook, v.31, 1992.

New Journal

Journal of Vegetation Science, v.4 (1,2), 1993.

From the Office of Education

De la Oficina de Educación

High school students available as volunteers for research projects. Please contact Marlene García for information about candidates ••• *Estudiantes de secundaria se han ofrecido para trabajar como voluntarios en proyectos de investigación. Favor comunicarse con Marlene García para mayor información sobre los candidatos.*