

SEMINARS

Tupper Center Auditorium

Tuesday, August 7, noon seminar speaker will be Ryk Ward, Dept. of Human Genetics, University of Utah.

The relevance of mitochondrial DNA to the timing and nature of the human colonization of the New World and to the structure of tribal communities.

Abstract:

The last major phase in human evolution was characterized by the colonization of large, previously uninhabited areas by the migrating tribal groups. It has been suggested that this expansion into novel areas was accompanied by a substantial reduction of genetic diversity (Wainscoat *et al.*, 1986) particularly in the case of mitochondrial DNA in the Americas (Wallace *et al.*, 1985; Schurr *et al.*, 1990) Here I report the first detailed analysis of mitochondrial sequence diversity within a single Amerindian tribe, the Nuu-ChaluNulth of the Pacific Northwest. These findings show that the molecular diversity within a tribal group can antedate the origin of the tribe by a considerable margin and that it therefore is unnecessary to presume that substantial genetic bottlenecks were associated with the formation of contemporary ethnic groups.

That evening at 6:30 p.m., Llewellya Hillis, Ohio State University, will give a seminar.

The reef-building algae Halimeda.

NEXT WEEK

Tuesday, August 14, noon seminar speaker will be Yan Song University of California, Berkeley.

Foraminiferal biology: beyond the philately, the anecdotal, and the ad hoc.

Visitas Especiales a la Isla de Barro Colorado



(Foto por Carl Hansen)

Visita del Principe de Dinamarca a Barro Colorado en junio. A la izquierda Alan Smith, STRI, a la derecha el Principe Joachim.

Junio 26 - Por invitación del Dr. Rubinoff y la Sra. Elena Lombardo asistieron a BCI funcionarios de la Cancillería, Dirección General de Ceremonial del Estado y de Protocolo. El propósito de la visita fue aumentar el conocimiento de la misión de STRI Panamá y establecer nuevos vínculos.

Junio 25 - Edward Davies, Presidente, y Jorge Jiménez, Administrador de Seguridad y Ambiente, de Conoco Corporation, Ecuador. Por invitación del Dr. Rubinoff y la Sra. Elena Lombardo.

Junio 1 - Principe Joachim de Dinamarca y los cónsules de Suecia y Dinamarca. Visita turística.

Enero 31 - Niños del Chorrillo. Visita coordinada por la Oficina de Educación y Conservación. Algunos científicos dieron charlas y los llevaron al bosque; además Alejandro Hernández les explicó sobre el trabajo de los guardabosques.

PEOPLE

Arrivals

- Jan Sevenster & Carolien Haverkate, University of Leiden, Netherlands, August 4 - October 25, to study the coexistence of *Drosophila* species on the fruits of *Spondias mombin* and to study the history of a *Drosophila* species from Asia in BCI.
- Ryk Ward, University of Utah, August 6 - 10, to work with Richard Cooke on issues that relate to the development of Chibchan people from their evolution and cultural perspective.
- Llewellya Hillis, Ohio State University, August 6 - 17, to visit STRI facilities and to give a talk.
- Kyle Summers, University of Michigan, August 7 - 18, to work on a preliminary survey of potential field sites for study of the evolution of parental care in dart poison frogs.
- David King, senior post-doctoral fellow, University of Wisconsin, August 8, 1990 - August 8, 1991, to work on the significance of leaf arrangement in tropical trees.
- M. Bakarr, S. Bulova, M. García, E. Joyal, D. Kylo, and E. VanderWerff, OTS Tropical Biology course participants, August 8-12, to visit STRI.

Departures

- ◆ August 5, Stanley Rand, STRI scientist, to New Orleans to attend meetings of the Herpetologists League and the Society for the Study of Amphibians and Reptiles.
- ◆ August 6, Fernando Pascal, Office of Design and Construction, on official business to Washington.
- ◆ August 7 - 28, Donald Windsor, STRI scientist, to Indianapolis, IN, on vacation for a week.
- ◆ August 9 - September 8, Haris Lessios, STRI scientist, to Thessaloniki, Greece, on vacation.

On Leave

- Everardo Curney, August 10 - 24, 1990
- Elena Lombardo, August 13 - 17, 1990
- Arcadio Rodaniche, July 30 - August 6, 1990

THINGS YOU SHOULD KNOW

From the Deputy Director

Please remember to send the Deputy Director one copy of all submitted manuscripts of scientific papers related to STRI work. This procedure will help keep track of STRI research activities.

1990 James Smithson Award

Richard Cooke received a James Smithson award this year (\$20,000 for two years) to expand and curate the existing reference collection of tropical fish skeletons. This collection serves as basis for a long-term project on the evolution of Precolumbian fishing strategies in the eastern Tropical Pacific, in which researchers from Costa Rica and Ecuador are participating.

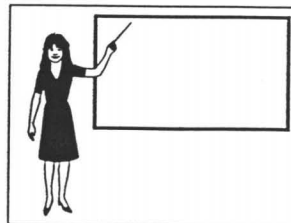
From the Personnel Office

All STRI supervisors are requested to look up the PCC Official Training Bulletin for September 1990 in the bulletin boards at each facility. There are six or seven courses directed especially for supervisors. Please coordinate with the Personnel Office in the event that you are interested in taking any of the courses announced.

Movimiento de Personal

- ☑ Gloria Zelaya renunció a su posición de Secretaria en Barro Colorado a partir del 6 de agosto. Gloria se va para una posición permanente en la AID. Le deseamos mucha suerte en su nuevo trabajo. (Vielka Liao ha sido contratada para trabajar en Barro Colorado a partir del 1ro agosto hasta el 30 de septiembre.)
- ☑ Vielka Navarro estará haciéndole las vacaciones a Osmila Sánchez durante el mes de agosto.
- ☑ Le damos la bienvenida a Xenia Guerra, nueva empleada que trabajará en la posición de técnica de computadoras a partir de agosto 12 en el Proyecto del Derrame de Petróleo, bajo la supervisión de Karl Kaufmann. La Sra. Guerra obtuvo su licenciatura en Ciencias Computacionales en Saint Edward's University en Austin, Texas y trabajó anteriormente con el Smithsonian por espacio de un año aproximadamente con el proyecto del Manejo de la Iguana Verde. También ha trabajado como instructora de cursos de computadora para el Smithsonian y para la IBM.

Curso de Perfeccionamiento en Maquinas Copiadoras

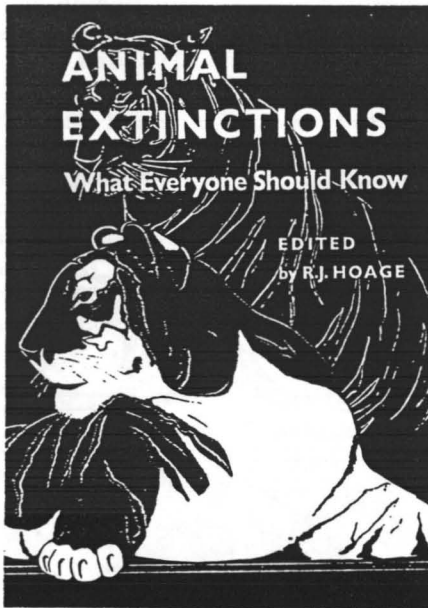


Personal de la Xerox dictará un curso de perfeccionamiento el miércoles, 8 de agosto, a las 10:00 a.m. Los interesados en participar favor comunicarse con Vielka Vergel.

ANNOUNCEMENTS

News on BCI Long Termers

Brian Bock married Vivian Paez in Bogotá, Colombia, Saturday July 14. Prewedding festivities included a midnight serenade by typical Colombian folk musicians. Post wedding festivities included closing several clubs and discos and culminated with a wild river adventure somewhere near Leiticia. Both the bride and the groom were doing well at last sighting. Stay tuned...

New Books at STRI Mini-Bookstore

A Field Manual of the Ferns and Fern-allies of the United States and Canada. \$25.00
Grass Systematics and Evolution \$36.00
Animal Extinctions \$10.00

New Administration at Tupper Restaurant

The restaurant at the Tupper Center will re-open at noon on Tuesday, August 7. An inauguration luncheon/special event is set for that day and the new schedule will be announced. We welcome the new administrator Lourdes de Ward, who owns *Golosinas Restaurant* and also provides food services for the U.S. Embassy. Come and join the Tupper crowd for lunch and try the good food.

News on Former STRI Fellow

excerpt from New Scientist 30 June 1990

Tap dancing caterpillars may seem like a joke. But biologist have observed at least two species of butterfly caterpillars that perform a kind of tap dancing on the leaves and stems of plants. The dance attracts ants, which protect the caterpillars from predatory wasp. Philip DeVries, an entomologist at the University of Texas, and previous STRI fellow has studied this example of caterpillar-ant symbiosis in Panama. With the aid of a sensitive microscope, he has studied the world's first recording of caterpillar "song" - or dance (*Science*, vol 248, p. 1104). DeVries says that the caterpillars use organs known as vibratory papillae to make the sounds. By doing this, he believes, the caterpillars may be exploiting a method of communication developed first by the ants. The signalling evolved as a short distance communication between colony members. According to DeVries, biologists first described the caterpillars' vibratory papillae 20 years ago. But no one before him has recorded the caterpillars' calls.

Noticias de la OET

- Como una colaboración entre STRI y la OET, estudiantes de diversos cursos de la OET visitan las instalaciones de STRI, en especial la isla de Barro Colorado, como una continuación de su experiencia en la biología tropical.

- La Organización de Estudios Tropicales y La Universidad de Costa Rica anuncian su curso de ECOLOGIA DE POBLACIONES 91 - 2. La Organización de Estudios Tropicales es un consorcio científico internacional dedicado a la enseñanza y la investigación, orientado hacia el mejoramiento, comprensión y mantenimiento de los recursos naturales renovables en los trópicos. Esta constituida por 54 entidades académicas de los Estados Unidos, Puerto Rico y Costa Rica. El objetivo de este curso es exponer al alumno a la teoría y la práctica del estudio de las poblaciones de plantas y animales bajo condiciones naturales. FECHA Y DURACIÓN: 10 enero - 1 marzo de 1991.

Organización para Estudios Tropicales, Apartado 676, 2050 San Pedro de Montes de Oca, Costa Rica
TEL: 506-40-6696, FAX: 506-40-6783.

Las solicitudes deberán llegar a la OET en Costa Rica a más tardar el 31 de agosto de 1990; el día 14 de septiembre se hará la notificación a las personas escogidas.

Perspectivas del Postgrado en Latinoamérica y el Caribe

A continuación una lista actualizada de postgrados de Latinoamérica y el Caribe tomada del Boletín COPLAC del Consejo Nacional de Investigaciones Científicas y Tecnológicas de Venezuela.

Doctorados

•Química

Colombia, Universidad Nacional de Colombia
Argentina, Universidad Nacional del Sur
México

Universidad Nacional Autónoma de México
Instituto Politécnico Nacional
Universidad de Tijuana

Brasil

Universidad Estadual Paulista
Universidad Federal de Santa Catarina
Universidad Federal de Rio de Janeiro
Universidad de Sao Paulo
Universidad de Sao Carlos
Instituto Militar de Engenharia

•Ciencias Básicas

Brasil, Universidad de Sao Paulo
Chile

Universidad Católica de Valparaiso
Pontificia Universidad Católica de Chile

Maestrías

•Química

Colombia, Universidad Industrial de Santander
Argentina, Universidad Nacional del Sur
México

Universidad Nacional Autónoma de México
Instituto Politécnico Nacional
Universidad de Tijuana

Brasil

Universidad Estadual Paulista
Universidad Federal de Santa Catarina
Universidad Federal de Rio de Janeiro
Fund. Universitaria do Amazonas
Universidad Federal Santa María
Universidad Federal Santa María
Universidad Federal Da Paraiba (UFPB)
Universidad de Sao Pablo
Universidad de Sao Carlos
Universidad Estadual de Campinas
Universidad Federal do Pará
Instituto Militar de Engenharia
Universidad Estadual de Maringa

•Ciencias Básicas

Brasil, Universidad de Sao Paulo
Chile

Universidad Católica de Valparaiso
Pontificia Universidad Católica de Chile
México, Universidad Nacional Autónoma de México
Peru, Universidad de San Agustín
Guatemala, Universidad de San Carlos

News from BCI

The Barro Colorado offices are moving to the new buildings this week. Please be patient if telephones are not answered promptly.

Humor