

STRI newsletter

JULY 13, 1990

SMITHSONIAN TROPICAL RESEARCH INSTITUTE, Apartado 2072, Balboa, Panamá

No. 28

SEMINARS

Tupper Center Auditorium

Thursday, July 19, at 11:30 a.m., Ulisses Galatti, INPA-Brazil, will talk on--

Demography, food availability, and growth of Leptodactylus cf. pentadactylus in the Adolf Ducke Forest Reserve in Central Amazon-Brazil.

Abstract:

In the Adolf Ducke Forest Reserve (Manaus, Brasil), the frog Leptodactylus cf. pentadactylus occupies primary forest and is commonly found along the streams. During 1987 and 1988, 269 individuals were marked and recaptured to provide data on the demography and individual growth. Reproduction was strongly seasonal, limited to less than two months a year (3 years data). The demography of the species was, therefore, characterized by the presence of discrete annual generations and by a sudden increase in population density following the reproductive season. Food consumption rate generally varied in concert with food availability, which was higher in the late dry season and in the rainy season. Size-independent individual's growth rate also varied throughout the year and was significantly related to rainfall, food consumption and food availability.

Kaoru Okada's seminar at 1 p.m. has been cancelled.

That evening at 6:30 p.m., Mary Jane West-Eberhard will give the staff evening seminar. Refreshments will be served. (Please note that all evening seminars will now be at 6:30 instead of 6:00 p.m.)

Can biologists learn to appreciate a truly deterministic role of the environment (in development, behavior and evolution), or are we too hung up on the genes?

NEXT WEEK

Tuesday, July 24, noon seminar speaker will be Charles Birkeland, University of Guam.

Nutrient input, rather than productivity, as a major determinant of marine community structure.

That evening at 6:30 p.m. Alfred Fischer, University

of Southern California, will give a talk on--

Life is a Chancey Business: scheduled stresses in the Milankovitch frequency band.

Thursday, July 26, Charles Birkeland will give a noon seminar.

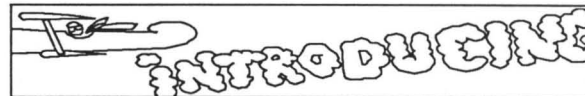
Why generalists have an impact on the structure of marine communities, but specialists usually do not.

Barro Colorado Island

Thursday, July 26, Alfred Fischer, University of Southern California, Los Angeles, will give an evening seminar at 7:30 p.m. in the new Conference Room.

Life is a chancey business: longer term stresses and bolts out of the blue.

A boat will leave for BCI at 5:35 p.m. and return at 9:00 p.m. Those who plan to attend please contact Maritza Concepción or Gloria Zelaya.



Effective July 26, 1990, STRI ID cards will be issued only when authorized on the necessary ID Request Form by the following persons: •Carmen Sucre, Personnel Office: all federal and trust fund employees. •Carlos Tejada, Facilities Management: all facility contract employees. •Alejandro Arze, Security Office: security guards. •Gloria Maggiori, Visitors Office: fellows, visitors, research assistants, volunteers, etc. •Leonor Motta, Executive Officer: alternate for all of the above.

[F] Forms can be obtained from the Visitor Services Office, the Office of Education and Conservation, the Facilities Management Office, and the facility secretaries.

[F] When an ID Request Form is received, and authorized, that same office will prepare the ID Card Form. The employee or visitor can then proceed, with the card form, to the Photo Lab to get the ID card made. The Photo Lab will be open for this only on Tuesday and Fridays 0900 - 1100. Emergency needs will be accommodated if possible.

PEOPLE

Arrivals

- Una Smith, STRI computer analyst, July 14 - August 15, to continue work on Forest Dynamics Project.
- Carlos Perez Santos and Ana Moreno, Museo Nacional de Ciencias Naturales, Spain, July 14 - August 15, to work on chronological skeletons in humid tropical zones.
- Charles Birkeland, University of Guam, July 20 - 31, to survey growth of sponges, corals and other sessile marine organisms, and to give seminars.
- Alfred Fischer, University of Southern California, Los Angeles, and his wife Winifred, July 23 - 31, to present seminars and visit STRI facilities.

Departures

- ♦ July 12 - 23, Ira Rubinoff, STRI Director, on official business to Washington, D.C. From July 23 - August 1, travels to Costa Rica to consult with various specialists and to visit CATIE and other institutions.
- ♦ July 15 - 21, Fernando Pascal, STRI Office of Design and Construction, to Denver, Colorado, to attend a training course in Construction Contract Administration.

Wedding Bells

Diana Valencia and Mitch Aide are getting married on August 3, 1990 at the Wasatch Mt. Club in Brighton, Utah. Our congratulations to both of them.

Congratulations!

To Denise Alvarez, recipient of Fulbright Fellowship, who will pursue her M.A. at Cornell University.

On Leave

- Ana de la Espada, July 9 - 20
- Georgina de Alba, July 12 - 17

THINGS YOU SHOULD KNOW

Benjamin Trip

Dr. Jeremy Jackson will be departing on July 12 and returning July 29.

From the Photo Lab

The Photo Lab will continue to take photos for visitors that need them for INRENARE permits, visas, etc., on Tuesdays and Fridays, from 0900 - 1100. The charge is \$2.00 for 4 photos. The person must first pay at the Cashier, at Tivoli. The receipt should then be taken to the Photo Lab where the photos will be taken.

Caecilians Anyone?

Many caecilians have been found this year 6 miles from Gamboa (in Santa Clara of Arraiján). If any scientist is interested, call Margarita López or Elizabeth Leigh at 56-6331.

Position Wanted

Any one interested in contacting a recent graduate with a degree in biology from Elon College, N.C.? His name is Steven Leach. He is interested in marine and aquatic biology and is looking for work experience. SF-171 available at the Personnel office.

Noticias Sobre el Restaurante Tupper

Desafortunadamente el concesionario del restaurante terminará sus servicios hoy viernes, 13 de julio. Sentimos perderlos y le deseamos la mejor de las suertes a Daniel González, Camilo Carballada, Agustín Camaño, Raul Montenegro y Virgilia Alonso.

La institución está estudiando otras alternativas para el restaurante, que se anunciarán próximamente.

You Can Still Join Up!

Plenty of space still left for those who want to join the STRI aerobic classes. If interested, call Nereida Hernandez, Tivoli. Classes now cost \$20/month; participants will sign a 3-month contract.



ANNOUNCEMENTS

Important Donation

STRI has just received the good news that Mr. Glenn Tupper will donate funds to construct a wing for the library and to support purchase of research equipment for plant physiology studies.

Actividad del Parque Natural Metropolitano

El martes, 24 de julio, habrá una Premier de Gala a beneficio del Parque Natural Metropolitano, a las 8 p.m. en el Teatro Opera. Se presentará la película TOTAL RECALL (EL VENGADOR DEL FUTURO) con Arnold Schwarzenegger. Es una de las películas más taquilleras este año, con efectos especiales nuevos. El tema es futurista y el heroe lucha contra una devastación ambiental. •Los premios de entrada incluyen una estadía en el Hotel Bambito para dos personas por tres días/dos noches. El valor del boleto es B/. 10.00. •Puede conseguir sus boletos en Tivoli con Elena Lombardo, y en Tupper con Argelis Román.
Apoyen el Parque!

Y El Fútbol Continúa...

Fecha: 16 julio
Hora: 4:30 p.m.
CANAL SERVICES VS SMITHSONIAN
Lugar: Balboa High School (o la estación de tren)

Contadora Tours

Leave every Saturday and Sunday. The tour price is \$39.90 which includes roundtrip transportation from Panama City to Contadora on board the luxurious and comfortable *Successor*. It includes the use of the hotel facilities and tour around the island conducted by the hotel staff. Children under 12 years old pay \$19.50.

Stamp Collector

Audrey Smith at the Director's Office is collecting stamps. If you have any envelopes with stamps, instead of throwing them out, please send them to her.

Congresses-Conferences / Congresos-Conferencias

•Third World Academy of Science Conference on Science in Latin America and the Caribbean and its Role in the Regional Development
15 -19 October 1990, San Cristobal, Venezuela.

Contacts:

TWAS Third General Conference
Colombian Academy of Exact Physical and Natural Sciences
Carrera 3ra A. No. 17-34
Apartado Aereo 44.763
Bogota, D.E., Colombia
Tel: (571) 241-4805
Fax: (571) 283-0141

Consejo Nacional de Investigaciones Científicas y Tecnológicas CONICIT
Av. Principal de los Cortijos de Lourdes
Edificio Maploca, Piso 3, Caracas
Apartado 70617
Caracas, Venezuela
Tel: (58-2) 239-0433 / 239-8211
Fax: (58-2) 239-8677

•I Congreso de Jovenes Geografos e Historiadores
29 - 30 Noviembre 1990, Sevilla, España
Organiza la Escuela Libre de Historiadores. Para mayor informacion: Jose Maria Rodriguez Tous, I Congreso de Jovenes Geografos e Historiadores, Aptdo. 12.345, 41.080 Sevilla.

•3-6 November 1991, Long Beach, California
The 5th International Conference on Artificial Habitats for Fisheries seeks to promote an international exchange of information on the enhancement of fishery resources, habitat and fishing through the use of artificial habitats in the world's marine, estuarine, and freshwater ecosystems. The purpose of this first general announcement is to inform potential participants of the planned conference and solicit pertinent titles.
For further information please contact:

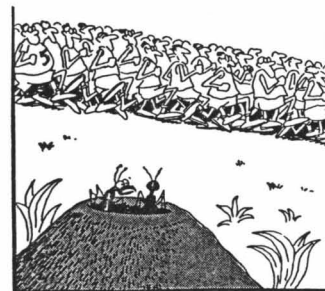
Mr. Robert S. Grove
Conference Chair
c/o Section of Fishes, Natural History Museum
900 Exposition Blvd., Los Angeles, CA 90007
Phone 213-744-3373, Fax 213-746-2999

Cambio de Cheques

Sentimos informarles que la práctica de cambiar cheques en las oficinas de STRI será descontinuada a partir del 1ero de agosto.

STRI LIBRARY NEW BOOK LIST

- Bactericidal effects of algae on enteric organisms (EM Davis & EF Gloyna, 1970) **QR48.D38X 1970 STRI.**
- Bibliografía boliviana de ecología (C. Cardozo Saravia, 1989) **Z5322.E2C26 1989 STRI.**
- Breaking new ground : agricultural anthropology (RE Rhoades, 1984) **SB211.P8R487 1984 STRI.**
- Caribbean collections : recession management strategies for libraries : papers of the Thirty-Second Annual Meeting of the Seminar on the Acquisition of Latin American Library Materials, held jointly with the Eighteenth Conference of the Association of Caribbean University, Research, and Institutional Libraries, James L. Knight International Conference Center, Miami, Florida, May 10-15, 1987 (Seminar on the Acquisition of Latin American Library Materials (32nd : 1987 : Miami, Fla.), 1988) **Z688.C34S46 1987X STRI.**
- A Celebration in geophysics and oceanography—1982 in honor of Walter Munk on his 65th birthday, October 19, 1982 at Scripps Institution of Oceanography, University of California, San Diego, La Jolla, California. **GC26.C45 1984X STRI.**
- A Coastal directory for marine nature conservation (S. Gubbay, 1988) **QH541.5.C65G92 1988 STRI.**
- A Conservation strategy for the birds of the Uttara Kannada District (RJ Ranjit Daniels, 1989) **SK555.R36 1989 STRI.**
- A Contribution toward the classification of Neotropical Eucerini (Hymenoptera, Apoidea) (JS Noure & CD Michener, 1955) **QL567.96.M93 1955a STRI.**
- The Correspondence of Charles Darwin (F. Burkhardt & S. Smith, 1985-) **QH31.D2A33 1985X v.5 STRI.**
- Desenvolvimento e conservacao (HO Sternberg, 1986) **HC190.E5S83 1986 STRI.**
- Digging in Yucatan (AA Norris, 1931) **F1435.1.C5M87 STRI.**
- Directrices sobre bibliotecas nacionales (G. Sylvestre, 1987) **Z675.N2S98 1987 STRI.**
- Diseases of fishes (SF Snieszko & HR Axelrod, eds., 1970-) **QH171.D611 v.4 STRI.**
- Efecto sinergico de la luz ultravioleta y la temperatura sobre la incorporacion de C-14 en Pocillopora damicornis (Linnaeus) (Scleractinia) (JL Mat Tourino & MO Calderon Mendoza, 1989) **QL377.C7172 1989 STRI.**
- Environmental research perspectives in South Africa : annual report to the National Committee for Environmental Sciences, July 1981 to June 1982. **TD170.94.S6E579 1982 STRI.**
- The Freshwater fishes of Western Borneo (Kalimantan Barat, Indonesia) (TR Roberts, 1989) **QL634.I5R647 1989 STRI.**
- Growth in *Bupalus piniarius* (Lepidoptera : Gemetridae) in relation to larval population density. I. The influence of some abiotic factors on growth. II. The effect of larval density (P. Gruys, 1970) **QL561.G6G77 1970X STRI.**
- The Hierarchy of life : molecules and morphology in phylogenetic analysis : proceedings from Nobel Symposium 70 held at Alfred Nobel's Bjrkborn, Karlskoga, Sweden, August 29-September 2, 1988 (Nobel Symposium (70th : 1988 : Bjrkborn, Karlskoga, Sweden), 1989) **QH371.N63 1988X STRI.**
- Indiens d'Amazonie (D. Darbois, 1953) **F2230.2.O8D3X 1953 STRI.**
- The Joys of research (W. Shropshire, Jr., ed., 1981) **Q179.9.J69X STRI.**
- Manual of the vertebrate animals of the northeastern United States inclusive of marine species (DS Jordan, 1929) **QL155.J82 1929 STRI.**
- Metodologia de avaliacao ambiental aplicada para um caso de enfoque correativo terminal maritimo de Tubarcao (RS Fernandes, 1987) **QH541.15.S95F36 1987 STRI.**
- Metodos de evaluacion para determinar las necesidades de conservacion en bibliotecas y archivos : un estudio del RAMP con recomendaciones practicas (GM Cunha, 1988) **CD981.C97 S1988 STRI.**
- Mycological contributions celebrating the 70th birthday of Clark T. Rogerson (GJ Samuels, ed., 1989) **QK603.M99 1989 STRI.**
- Organic chemical pollution of freshwater (AD Little, Inc., 1970) **TD427.O7A78 1970 STRI.**
- Osteology and phylogeny of Squamipinnes (H. Mok & S. Shen, 1983) **QL637.9.T4M71 1983 STRI.**
- Papers on fossil rodents : in honor of Albert Elmer Wood (CC Black & MR Dawson, eds., 1989) **QE882.R6P214 1989 STRI.**
- Photosynthesis : proceedings of the C.S. French Symposium held in Stanford, California, July 17-23, 1988 (C.S. French Symposium (1988 : Stanford, Calif.), 1988) **QK882.C24 1988X STRI.**
- Phylogenetic relationships among gerrhonotine lizards : an analysis of external morphology (DA Good, 1988) **QL666.L2254G66 1988X STRI.**
- Satellite telemetry : a new tool for wildlife research and management (SG Fancy ... (et al.), 1988) **QH324.9.B5S28 1988 STRI.**
- Seeds of woody plants in the United States (United States, Forest Service, 1974) **SD435.U53s 1974 STRI.**
- Sexual dimorphism in living and fossil primates (M. Pickford & B. Chiarelli, eds., 1986) **QL739.S518 1986 STRI.**
- South African red data book : reptiles and amphibians (WR Branch, ed., 1988) **QL84.6.S6S68 1988 STRI.**
- Stratigraphical atlas of fossil Foraminifera (DG Jenkins & JW Murray, eds., 1989) **QE772.S85 1989X STRI.**
- Walking the beaches of Ecuador (JG Cardenas & KM Greiner, 1988) **F3708.C37 1988 STRI.**
- Wheeler Reef (PA Daniel ... (et al.), 1985) **QH541.C7W44 1985 STRI.**



"Uh-oh...I think Bobby Joe went foraging in that direction."