

SEMINARS - ANCON CONFERENCE ROOM

No noon seminar scheduled for Tuesday, August 1 or 8. Check your local bulletin boards for last minute changes.

ARRIVING

July 27 - August 7, NEIL LUCAS and GAVIN THURSTON, from the B.B.C., to continue filming for the series Trials of Life.

August 1 - October 30, ALEJANDRO FARJI and his assistant CLAUDINE SIERRA, Buenos Aires University, to study the spatial dynamics of the search for and exploitation of new sites by *Atta cephalotes* at Gamboa and BCI.

August 1 - October 31, MATTHEW GOMPPER, University of Tennessee, to study the social structure of the coati on BCI.

August 4 - October 30, BRIAN FISHER, University of Utah, to study the evolution of specialization in ant - plant interactions (*Cecropia* with *Pachychondyla*) at various sites.

DEPARTING

July 29 - August 11, IRA RUBINOFF, STRI director, to Chile to attend the VI International Congress of the Pacific Science Association.

August 1 - 15, RICHARD COOKE, STRI researcher, to attend the Circum-Pacific Prehistory Conference.

August 2 - 15, NANCY KNOWLTON, STRI scientist, to Venezuela to collect shrimp for research.

August 3 - 28, ERIC FISCHER, STRI deputy director, to Utrecht, Netherlands, to attend the International Ethological Congress, and to the United Kingdom to visit various universities and consult with colleagues.

PERSONNEL NEWS

SUSAN WILLIAMS, site manager for the Tropical Forest Dynamics' Project, has resigned effective August 27; she is going back to the U.S.

CALENDAR

AUGUST 1989						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

August 15, Deadline for receipt of applications for STRI short-term fellowships and Exxon fellowships and internships for this quarter.

August 22, Talk on STRI History and Activities for new STRI employees.

BCI DISCUSSION GROUP

A regular discussion group will be held on BCI next Wednesday, August 2, at 7:30 p.m. on the subject of "Phenotypic Plasticity". The boat will return to Gamboa at 9 p.m. All interested persons are invited to participate.

FROM PROCUREMENT

Close down on procurement actions through Purchase Orders for FY89 will occur on Friday, September 1. No new purchase orders, except for *bona fide* emergencies, will be processed after that date. Some BPA's and Imprest Fund purchases will continue until September 30, but should be kept to a minimum.

Your full cooperation is essential particularly this year that the Procurement Office will be moving to the new Tupper Building.

VISIT FROM I.R.H.E. GAME WARDENS

Game wardens from the Institute of Hydraulic Resources and Electrification (I.R.H.E.), Bayano watershed area, will visit STRI facilities from July 31 - August 4, as part of an interchange program between the BCI game warden force and other local institutions.

FROM THE STRI MINI-BOOKSTORE

The STRI mini-bookstore now has available the **Howler monkey** and the **Parrot** t-shirts in children sizes 6-8 and 14-16. Price \$ 5.25

The INRENARE, "Panameño Protege tu Ambiente" and Naos Snake T-shirts are **ON SALE**. Special Price \$ 3.50

FROM ACCOUNTING

The Accounting Department at Tivoli is searching for the person who purchased publications on the Butterflies of Khao Yai National Park and Plants of Khao Yai National Park from the White Lotus Co., Ltd. in Bangkok, Thailand. This person has a credit balance of \$14 in his or her favor. Please contact F. Oglivie.

NEW PUBLICATIONS BY STRI STAFF, FELLOWS AND RESEARCH ASSOCIATES

Pratt, S.C. 1989. Recruitment and other communication behavior in the Ponerine ant *Ectatomma ruidum*. *Ethology* 81: 313 - 331.

Smith, N.G. 1989. The Gulf of Panama and El Niño events: the fate of two refugee boobies from the 1982-83 event. IN *Global Ecological Consequences of the 1982-83 El Niño-Southern Oscillation*, P.W. Glynn, ed. Elsevier Oceanography Series.

West-Eberhard, M.J. 1989. Kin Recognition in Animals, D.J.C. Fletcher and C.D. Michener, eds. Book review. *Evolution* 43(3): 703-705.

JUNE 1989 STRI FELLOWSHIP / ASSISTANTSHIP AWARDS

Short-Term Fellowships

KATHERINE ANN BEAUCHAMP, University of California, "Reproductive ecology of ahermatypic solitary corals on both sides of the Isthmus of Panama".

BRIAN FISHER, University of Utah, "Evolution of specialization in ant-plant interactions: *Cecropia* and *Pachychondyla*".

MATTHEW GOMPPER, University of Tennessee, "The social structure of the coati".

DAVID SNYDERMAN, University of Vermont, "Hydraulic architecture and water transport differences between neotropical evergreen and deciduous trees".

Latin American Fellowships

EMERITA BASO DE BORACE, Universidad Nacional Autonoma de Mexico, "Inventario y hábitos alimenticios de ácaros Canestriniidae en 15 especies de Chrysomelidae-Cassinidae (Insecta)".

Exxon Fellowships

RAUL ALTAMIRANO, Universidad Mayor de San Andrés, Bolivia, "Impacto de visitantes florales y polinizadores en tres especies de plantas cultivadas en el trópico de Panamá: *Coffea arabica*, *Bixa orellana* y *Cucurbita melo*".

Exxon Assistantships

DENISE ALVAREZ, Universidad de Panamá, with Kaoru Kitajima Okada.

FERNANDO AROSEMENA, Universidad de Panamá, with Robin Andrews and James Karr.

PAULA KOVER, Universidade Federal do Rio de Janeiro, with Catherine Craig.

MANUEL WHITAKER PACHECO, Universidade de Sao Paulo, with Don Windsor and Robin Foster.

VITERBO RODRIGUEZ, Universidad de Panamá, with Don Windsor.

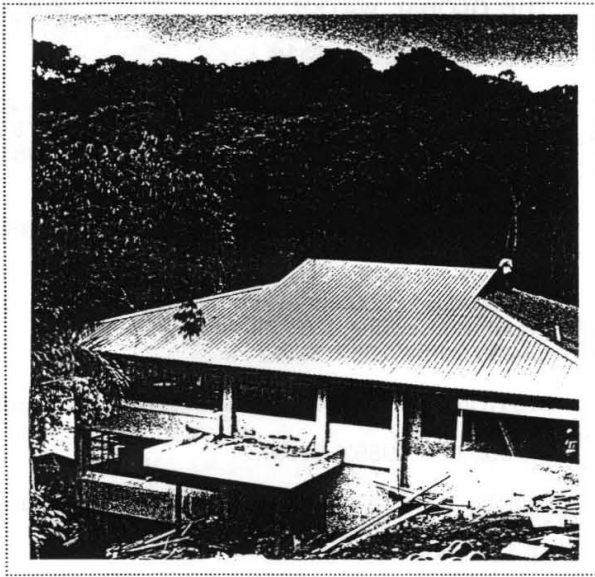
INAUGURATION OF SOBERANIA PARK HEADQUARTERS

The inauguration ceremony of the new Soberania Park headquarters, building 271 Gamboa, took place on July 25. Representative from M.I.V.I., Guardia Forestal, A.N.C.O.N. and STRI were present. Guided tours of the park, including weekends, can be coordinated with park personnel; office hours are 8 a.m.-3:30 p.m. Visitors are invited to view the photo exhibit upstairs.

POSTDOCTORAL FELLOWSHIPS IN MOLECULAR EVOLUTION

The Alfred P. Sloan Foundation has a postdoctoral award program intended for scientists interested in developing relevant interdisciplinary skills-- to encourage postdoctoral molecular biologists moving to laboratories devoted to evolutionary biology, and of evolutionary biologists to laboratories of molecular biology. Awards will support up to two years of research work at a department or laboratory in the U.S. or Canada selected by the applicant. The deadline for receipt of application materials is September 8, 1989. For further information write Dr. Michael S. Teitelbaum, Alfred P. Sloan Foundation, 630 Fifth Avenue, Suite 2550, New York, NY 10111, Tel: 212-582-0450.

BCI CONSTRUCTION UPDATE



The Kitchen/Dining/Conference facility has a conference room on the first floor with a capacity for 100 persons; the room can be divided in order to have two simultaneous meetings at once. The dining hall upstairs will have a seating capacity of 86.



One of the new four-apartment dormitory buildings on BCI. All the roofs have been installed, and the contractor is plastering the walls, installing floor tiles and door frames.

STRI ACTIVITIES



Orville Hale's retirement party (barbecue) on BCI. Mr. Hale was a cook at STRI since 1975, before that he was in active military service as cook in the U.S. Navy for 21 years.



Mr. Hale received a set of suitcases from his co-workers as a retirement gift, since he plans to spend some time visiting his sons in the U.S.

STRI LIBRARY NEW BOOK LIST

ANIMAL BEHAVIOR : an evolutionary approach.
4th Edition (J. Alcock, 1988)
QL751.A58 1989X STRI.

BIOLOGICAL DELAY SYSTEMS : linear stability
theory (N MacDonald, 1989)
QH508.M325 1987X STRI.

DIVERSE DIVERS : physiology and behavior (GL
Kooyman, 1989)
QP82.2.U45K66 1989X STRI.

ECOTOXICOLOGY AND CLIMATE : with special
reference to hot and cold climates (P. Bourdeau
et al, editors, 1989)
TD193.E26 1989X STRI.

EL NINO PHENOMENON AND FLUCTUATIONS
OF CLIMATE (World Meteorological Organization,
1986)
GC296.8.E3E37 1986 STRI.

EVOLUTION AND HUMAN KINSHIP (AL Hughes,
1988)
GN487.H84 1988X STRI.

EVOLUTIONARY PROGRESS (MH Nitecki, editor,
1988)
QH371.E929 1988X STRI.

FORAGING AND FARMING : the evolution of
plant exploitation (DR Harris & GC Hillman,
editors, 1989)
GN799.A4F67 1989X STRI.

THE GLOBAL WATER CYCLE : geochemistry and
environment (EK Berner & RA Berner, 1987)
GB848.B47 1987X STRI.

A GUIDE TO THE BREEDING HABITS AND
IMMATURE STAGES OF DIPTERA
CYCLORRHAPHA, Part 1 : text (P. Ferrar, 1987)
QL538.F47 1987Z pt.1 STRI.

THE HONEY BEE (JL Gould & CG Gould, 1988)
QL568.A6G68 1988X STRI.

MAMMALS : their reproductive biology and
population ecology (JR Flowerdew, 1987)
QL739.2.F64 1987 STRI.

MOTION IN BIOLOGICAL SYSTEMS (MA Lauffer,
1989)
QH505.L26 1989X STRI.

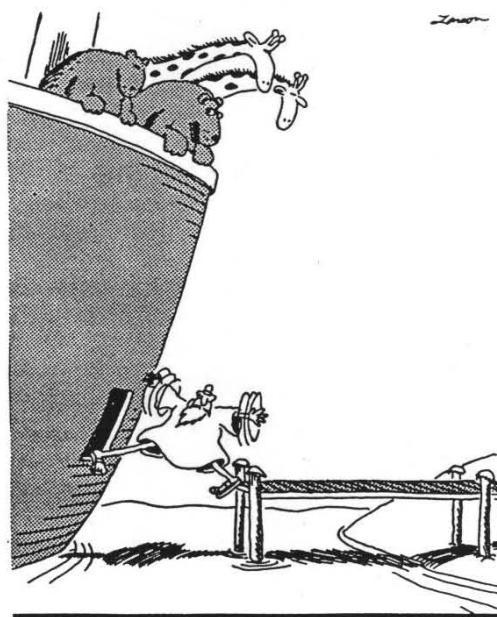
NORTH AMERICAN OWLS : biology and natural
history (PA Johnsgard, 1988)
QL696.S8J64 1988X STRI.

NUDIBRANCHS OF SOUTHERN AFRICA : a guide
to opisthobranch molluscs of Southern Africa (T.
Gosliner, 1987)
QL430.4.G67 1987X STRI.

NUTRIENT REQUIREMENTS OF GOATS : Angora,
dairy, and meat goats in temperate and tropical
countries (National Research Council, National
Academy of Sciences, 1981)
SF384.3.N97 1981 STRI.



*"Next hunting season, I say we
come up with a different plan."*



"We're in trouble."