



SEMINARS - ANCON CONFERENCE ROOM

Tuesday, August 29, noon seminar speaker will be JOSHUA SCHWARTZ, Brown University. Communication in Anuran Choruses: Is It Really that Noisy in Gamboa?

Abstract: Anuran choruses are characterized by high levels of background noise. I will discuss evidence that acoustic interference is an important factor influencing male fitness as well as specific behavioral adaptations which frogs use to reduce the severity of this problem.

That evening, at 6:30 p.m., DOLORES PIPERNO, will give this month's scientific staff seminar.

Thursday, August 31, MAURICIO LINARES, University of Texas, will give a noon seminar. Check your bulletin boards for last minute changes.

The Ghost of Mimicry Past: Laboratory Reconstitution of an Extinct Mimetic Form.

ARRIVING

August 28, UNA SMITH, to take up her position as computer program analyst at STRI.

August 29 - September 3, IAN MCINTYRE (Smithsonian Institution), PETER GLYNN (University of Miami), GLEN SHEN and LAURA LINN (University of Washington) to meet the NSF R.V. MOANA WAVE for a drilling and sediment coring project expedition to the reefs at Golfo Dulce, Costa Rica.

DEPARTING

August 31 - September 20, STANLEY RAND, STRI scientist, to Canterbury, England to present a paper at the First World Congress of Herpetology and to consult with colleagues in London and Oxford.

NEW PUBLICATIONS BY STRI STAFF, FELLOWS AND RESEARCH ASSOCIATES

Glynn, P.W.(ed.) 1989. Global Ecological Consequences of the 1982-83 El Niño - Southern Oscillation. Elsevier Oceanography Series.

Zeh, D.W. and J.A. Zeh. 1989. Ovipositors, amnions and eggshell architecture in the diversification of terrestrial arthropods. The Quarterly Review of Biology 64(2): 147 - 168.

CALENDAR

SEPTEMBER 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

September 4, Labor Day is a STRI holiday.

September 5, Scientific Staff Meeting.

September 6, Deadline for receipt of proposals for Seidell Endowment Fund in STRI Director's Office. If you need guidelines, call Audrey Smith.

September 8, Deadline for receipt of proposals for International Exchanges Program in STRI Director's Office.

September 20, Deadline for receipt of proposals for Scholarly Studies Program in STRI Director's Office.

ORBITUARY

JOHN R. KINARD, 53, director of the Smithsonian Institution's Anacostia Neighborhood Museum, died on August 5. "John Kinard was one of the most outspoken persons on the SI Bureau of Directors", says Dr. Rubinoff, "and he will be sorely missed." As director of Anacostia Museum since 1967, he was instrumental in making it the inspiration for a generation of museums in other cities throughout the U. S.

PERSONNEL NEWS

DORA DIAZ DE JUSTO begins September 25 as the new clerk typist in the Facilities Management Office, replacing Isis Estribi who moves to the new Visitors' Office. Mrs. Justo has more than 12 years administrative experience with multinational corporations, and comes to us from Panymex Company.

FROM THE OFFICE OF EDUCATION AND CONSERVATION

Anyone who currently has or has had volunteers this fiscal year should contact the STRI Education Office. Information is needed for the annual report and to register volunteers with the SI Visitors' Information and Associate Center.

FROM THE STRI MINI-BOOKSTORE

The STRI mini-bookstore now has available the book *Galapagos* by David W. Steadman and Steven Zousmer for \$23.00. "Written for the general reader interested in these mysterious island and the conservation of their unique wildlife, the book is handsomely illustrated and features 51 color plates of original watercolors.."

ANNUAL LEAVE

Jeremy Jackson, Aug. 21 - Sept. 8
Nancy Knowlton, Aug. 21 - Sept. 8
Leonor Motta, Aug. 28 - Sept. 1
Fernando Pascal, Aug. 24 - Sept. 8
David West, Aug. 28 - Sept. 25

VOLUNTEERS & ASSISTANTS AVAILABLE

JEB BYERS is an undergraduate biology major at Duke University who is interested in "signing-on" as an assistant in a tropical biology project next summer (June - August 1990). He has had four semesters of Spanish. (Box 4477, Duke Station, Durham NC 27706-4477)

DIRKSEN ELI BUSSIERE has a BA from Northwestern University in biochemistry, molecular biology and cell biology. He has taken a year off from graduate school and would like to offer his services as an assistant. He has experience in computer programming and scuba diving, and is currently living in Panama. (Tel. 69-6378)

KEDRIC NUTT has an MS in Fisheries Management from Auburn University, and is looking for work in tropical research. He would be available from September 1989 through December 1990. He is interested in projects ranging from botany to entomology to vertebrate ecology, and could pay his own airfare. (112 Cheatham Hall, Virginia Tech University, Blacksburg, VA 24061)

NEW SI APPOINTMENTS

DAVID L. CORRELL has been appointed Director of the Smithsonian Environmental Research Center, effective July 16.

KIMBERLY N. CAMP has been appointed Director of the Experimental Gallery, a new initiative which will provide SI bureaus an opportunity to experiment with exhibition content, labelling, interpretation, design and program development.

CONFERENCIA MENSUAL EN INRENARE

La conferencia de ROBERTO IBÁÑEZ en INRENARE (Paraíso) sobre los anfibios del Parque Soberanía y BCI ha sido pospuesta hasta el 14 de septiembre a la 10:30 a.m.

NUEVO AUDIOVISUAL

Los Lic. Dimas Botello y Rogelio Samudio de la Dirección de Areas Protegidas y Vida Silvestre del INRENARE hicieron entrega de un excelente audiovisual *La Amenazada Fauna Silvestre Panameña*, trabajado por ellos con el auspicio de STRI y ANCON, a nuestra Oficina de Educación y Conservación. El audiovisual estará disponible para los usuarios de la Biblioteca Audiovisual de Conservación de esta oficina.

DE LA UNIVERSIDAD DE PANAMA

Se invita a participar en el 6° Congreso Científico Nacional que tendrá lugar del 29 de noviembre al 1° de diciembre en la Universidad de Panamá. La recepción e inscripción de ponencias tendrá lugar en las oficinas de la Vicerrectoría de Investigación y Postgrado hasta el 31 de octubre. Las sesiones de trabajo cubrirán las siguientes áreas:

Ciencias Naturales y Exactas
Ciencias del Mar
Educación
Ciencias Biomédicas
Ciencias Agronómicas
Tecnología
Ciencias Sociales

STRI BIRTHDAYS/CUMPLEAÑOS EN STRI

	Sept.
Smith, Audrey	1
Birmingham, Eldredge	2
Caballero, Alejandro	4
Beteta, Ricardo	5
Sierra, Jaime	5
Lopez, Ruben	7
Sanchez, Virgilio	9
Tejada, Carlos	9
Sugasti, Nicolas	10
Turner, Luis	14
Eberhard, William	15
Jimenez, Maria Luz	25
Rand, A. Stanley	29
Fernandez, Mirna	30

JOB OPPORTUNITIES

The International School in Panama City is looking for a science teacher to teach biology, physical science, and earth science in English. Call 64-5873 for further information.

The Manomet Bird Observatory in Plymouth, Massachusetts has a research assistantship available February 1, 1990. The job involves field work, data analysis and interpretation, and supervision of field assistant(s). Interested persons should send a resume, course listing, two references and a description of research experience to K.C. Parsons, Director, Harbor Herons Project, Manomet Bird Observatory, Box 936, Manomet, MA 02345, Tel. (508) 224-6521.

DOCTORAL FELLOWSHIP FOR 1990

The Australian Museum, in conjunction with the Lizard Island Reef Research Foundation, is offering a three-year fellowship to a Ph.D. student to support field work on the Great Barrier Reef. The fellowship is available to any student enrolled, or about to be enrolled, in a Ph.D. program, and includes two return air fares from the participant's university to Lizard Island, bench fees and accommodation at the station for approximately four months per year for a maximum of three years. For further details contact The Director, Australian Museum, PO Box A285 Sydney South, 2000, Tel. (02) 339-8111, Fax (02) 339-8304.

ON EXPERIMENTAL MANIPULATIONS

(Taken from American Scientist, July-August 1989)

To the Editors:

I read with some alarm Nigel Franks's account of his research on "Army Ants: A Collective Intelligence" (Amer. Sci. 77: 138-45, Mar.-Apr. 1989). In the course of his discussion, he notes that "studying the impact of the army ants on the leaf-litter community and the potential plasticity of foraging patterns" required him to move an entire ant colony from Barro Colorado Island to Orchid Island, a smaller island devoid of any army ant colonies. Without any details about the possible effects of introducing an "exotic" species into the Orchid Island community, I cannot help but wonder how disruptive that might have been. Humans have increasingly gained a reputation for disturbing the natural balance of ecosystems. Could this be yet another example, no less in the name of "science"?

Wendy Silverman, Ann Arbor, MI

Dr. Franks replies:

In principle the point raised by Wendy Silverman is a valid one. In fact all research undertaken in Panama in areas under the auspices of the Smithsonian Tropical Research Institute is fully vetted by a panel of ecologists who are actively involved in studies of these tropical ecosystems. Their main concern, in common with that of all practicing ecologists, is that experiments not have a detrimental effect in the long term.

It was possible to make a very strong case for the introduction of an army ant colony into Orchid Island for three reasons. First, army ants had been excluded from Orchid Island for a mere seventy years by the digging of the Panama Canal. (They were hardly then an "exotic" species.) Second, army ants can neither swim nor fly, and since Orchid Island is half the size required for the survival of a single colony in the long term, the colony was predicted to end its days on Orchid Island only a few years after its introduction. Third, only by performing this introduction could I demonstrate that army ants maintain diversity and are important in tropical rain forest conservation.

I was in Panama in January of this year enjoying a return visit to both of the beautiful islands, Barro Colorado and Orchid, and I am pleased to report that I found *Eciton burchelli* thriving on the large island and conspicuous by its absence from the smaller one—ten years after the initial introduction.

The challenge for ecologists is to make their young discipline an experimentally rigorous one yet make sure that their manipulations are not destructive. Only then will ecology fully deserve its name as a science and have its greatest potential to serve conservation.

NEW BOOK IN NEOTROPICAL ORNITHOLOGY

Robert Ridgely and Guy Tudor have published the first of a four volume work on the resident and migrant bird species of South America. Volume 1 *The Oscine Passerines*, available at \$65 from the University of Texas Press, "covers more than 700 species of true songbirds. Ridgely's text furnishes exhaustive treatments of the habitat, range, habits, and voices of each species. Tudor's superb plates, arranged to show various relationships of species to each other, provide a definitive visual record of nearly all of the species included."

STRI LIBRARY NEW BOOK LIST

ACTIVITIES OF THE NATIONAL PROGRAMMES FOR ECOSYSTEM AND AQUACULTURE RESEARCH, 1983-1985 (National Programme for Ecosystem Research (South Africa), 1986)
QH540.N26 1986 STRI.

AMERICAN ARCHAEOLOGY, PAST AND FUTURE : A CELEBRATION OF THE SOCIETY FOR AMERICAN ARCHAEOLOGY, 1935-1985 (DJ Meltzer, et al, editors, 1986)
CC101.U6A46 1986X STRI.

ANIMALS INTO ART (H. Morphy, editor, 1989)
GN799.P4A55 1989X STRI.

AVES MIGRATORIAS EN COLOMBIA (A. Olivares, [1959])
QL689.A1O48 1959 STRI.

BIOLOGIA REPRODUCTIVA DEL ESCORPION CENTRUROIDES MARGARITATUS (GERVAIS), BUTHIDAE (MN Garcia Juliao, 1988)
QL458.72.B8B216 1988 STRI.

THE BIOLOGICAL SURVEY OF THE EASTERN GOLDFIELDS OF WESTERN AUSTRALIA (Western Australia Museum, 1984)
QH197.B53 1984X STRI.

BUTTERFLIES OF THE NEOTROPICAL REGION, Part V. Nymphalidae (Conc.) & Satyridae (B. D'Abbrera, 1988)
QL542.D116 pt.5 STRI.

CONSERVATION IN AFRICA : PEOPLE, POLICIES, AND PRACTICE (D. Anderson & R. Grove, editors, 1987)
QH77.A4C66 1987X STRI.

CORAL REEFS OF THE WORLD, Volume 1-3 (IUCN Conservation Monitoring Centre, 1988)
QE565.C78 1988 STRI.

CONVERGENCE AND MORPHOLOGICAL CONSTRAINT IN FROGS : VARIATION IN POSTCRANIAL MORPHOLOGY ; A CONTRIBUTION IN CELEBRATION OF THE DISTINGUISHED SCHOLARSHIP OF ROBERT F. INGER ON THE OCCASION OF HIS SIXTY-FIFTH BIRTHDAY (SB Emerson, 1988)
QL669.E53 1988 STRI.

CRONICAS DE TIERRA ADENTRO (M. Salguero, [1975])
F1544.Z86X 1975 STRI.

EVOLUTION AND ADAPTATION IN BIOTIC COMMUNITIES (S. Kawano et al, editors, 1987)
QH541.E93 1987 STRI.

FUNGI CUBENSES III (RF Castaneda Rutz, 1988)
QK606.2.C9C34 1988 STRI.

HANDBOOK OF LATIN AMERICAN STUDIES, no.47 (1985)- (University of Florida)
Z1605.H23X STRI.

LIFE'S DEVICES : THE PHYSICAL WORLD OF ANIMALS AND PLANTS (S. Vogel, 1988)
QH505.V634 1988 STRI.

1988 IUCN RED LIST OF THREATENED ANIMALS (IUCN Conservation Monitoring Centre, 1988)
Ref QL82.A15 1988X STRI.

THE NUTRITION AND FEEDING OF FARMED FISH AND SHRIMP : A TRAINING MANUAL (AGJ Tacon, 1987)
SH156.T119 1987 STRI.

PLAN GENERAL PARA EL MANEJO Y DESARROLLO DEL MONUMENTO NATURAL VOLCAN IRAZU (JC Godoy et al, editors, 1984)
QE523.T65P69 1984 STRI.

PROCEEDINGS : XVI INTERNATIONAL CONGRESS OF ZOOLOGY, WASHINGTON, 20-27 AUGUST 1963 (JA Moore, editor, 1963-1965)
QL1.I59p v.1-4 STRI.

PROCEEDINGS OF HAWK MIGRATION CONFERENCE IV (M. Harwood, editor, 1985)
QL696.F32H39 1983 STRI.

THE ROLE OF ANIMAL-BREEDING STUDIES IN FARMING SYSTEMS RESEARCH (L. de Vacaro et al, 1988)
SF105.V114 1988 STRI.

SPHAGNOPSIDA, SPHAGNACEAE (H. Crum, 1984)
QK539.S75C78 1984X STRI.

STATISTICAL YEARBOOK = ANNUAIRE STATISTIQUE 1985-1986 (United Nations Statistical Office)
HA12.5.U498 1985-86 STRI.

UNION INTERNACIONAL DE CIENCIAS PREHISTORICAS Y PROTOHISTORICAS : X CONGRESO : MISCELANEA (International Union of Prehistoric and Protohistoric Sciences. Congress. (1981 : Mexico City, (Mexico))
GN771.T615 1981 STRI.

WORLD RESOURCES 1988-89 (World Resources Institute)
Ref HC10.W927 STRI.

NEW JOURNAL

ANNUAL REVIEW OF EARTH AND PLANETARY SCIENCES, Vol. 16 (198)-
STRI Serial section.

THE FLORIDA BUGGIST, Vol. 1-3 (1917-1920).
STRI Serial section.

