

SEMINARS - ANCON CONFERENCE ROOM

Tuesday, **April 18**, noon seminar speaker will be **ELIOT BRENOWITZ**, University of Washington.

The Neural Basis of Bisexual
Song Behavior in Tropical Birds.

Abstract: Song production in birds is regulated by a discrete network of brain nuclei. In species where only males sing, such as the canary, there is pronounced sexual dimorphism of several attributes of the neural song control system. In many birds species females also sing. The results of a comparative study of the brains of tropical species in which both sexes sing will be discussed. Results of this study indicate that the extent to which the sexes of different species differ in neural song control attributes correlates with the extent to which the sexes differ in behavioral song complexity. Novel adaptations for the production of bisexual song will also be discussed.

That evening, at 6:30 p.m., **ROBERT STALLARD**, from the U.S. Geological Survey, will speak on--

Panama and Global Climate
Studies.

NEXT WEEK

Tuesday, **April 25**, noon seminar speaker will be **KEVIN HOGAN**, STRI visiting scientist.

Responses of Tropical Forest
Understory Plants to High Light.

At 6:30 p.m. that evening, **NEAL SMITH** will give the scientific staff seminar.

ARRIVING

April 15 - November 15, **CINDY SAGERS**, University of Utah, to study environmental variance in the production of secondary compounds and the effects on leaf herbivory.

April 16 - 20, **TERRI SCHORZMAN** and **PAMELA HENSON**, SI Archives, to conduct a series of oral history interviews on STRI history.

DEPARTING

April 15 - May 15, **JOSEPH WRIGHT**, to conduct a census with Henry Howe of desert plants in the Mojave Desert, California.

April 15 - May 6, **RICHARD COOKE**, to London to attend a conference at the Institute of Archaeology and on annual leave.

April 16 - 23, **LEONOR MOTTA**, to Washington, D.C. on official business.

PERSONNEL NEWS

NICOLAS SUGASTI is the new Maintenance Mechanic Leader at the Naos Shop since February 12. Mr. Sugasti has extensive auto repair experience from Maquinaria y Equipo Romero and Agencias Cosmos.

ALEJANDRO URENA is another new mechanic at the Naos Shop since February 12. He worked previously as shop foreman at Cardoze y Lindo.

GABRIEL MARTINEZ, new procurement clerk who replaces Mr. Calderon, begins work April 24. Mr. Martinez has a BS in agronomy from the University of Panama and an MS in agricultural management and resource development from the University of Florida. He comes to us after working as purchasing manager and agrochemical products manager at Melo.

NEWS FROM THE STRI MINI-BOOKSTORE

The Mini-Bookstore is now selling the colorful **ANCON T-shirts**, with a parrot design on the back. \$ 10.00

NEWS FROM ANCON

Vielka Vergel is on the road to recovery from her broken toe. **Vielka Liao** continues as her replacement until April 21.

We request you do not use line 62-2954 when calling Ancon. This line is reserved for long distance calls and the Ancon FAX machine.

VOLUNTEER/ASSISTANTS AVAILABLE

JOHN WILLIAMS, a junior at Balboa High School, is offering his services as student assistant. He is bilingual (English/Spanish). If interested call John Williams Sr. at 52-3694.

JOHN KIRSCH is a third-year student at the University of Wisconsin, Madison, majoring in zoology. He is interested in working as a field assistant in tropical biology in order to gain experience. He is available during the U.S. summer months, and, if necessary, will work for airfare and living expenses. (512 W. Dayton, Apt. B, Madison, WI 53703)

WANTED

A 4-wheel drive vehicle. Preferably inexpensive. Call Ellen Smith at 56-6870.

LIBRARY NEWS

New Book List

BIOLOGICAL CHANGES OF MANGROVE AND SAND BEACH COMMUNITIES AT THE PECK SLIP OIL SPILL SITE, EASTERN PUERTO RICO (CD Getter et al, 1980)
QH545.05B615 1980 STRI.

CHIA, UN SITIO PRECERAMICO EN LA SABANA DE BOGOTA (GI Ardila C., 1984)
F2269.1.C95A73 1984X STRI.

CIHUATAN, AN EARLY POSTCLASSIC TOWN OF EL SALVADOR : THE 1977-1978 EXCAVATIONS (KO Bruhns, 1980)
F1485.1.C53B78X 1980 STRI.

CLIMATIC CHANGES AND THEIR EFFECTS ON THE BIOSPHERE (B. Bolin, 1980)
QC981.8.C5B68 1980 STRI.

CROCODILES : PROCEEDINGS OF THE 7TH WORKING MEETING OF THE CROCODILE SPECIALIST GROUP OF THE SPECIES SURVIVAL COMMISSION OF THE INTERNATIONAL UNION FOR CONSERVATION OF NATURE AND NATURAL RESOURCES= COCODRILOS : MEMORIAS DE LA SEPTIMA REUNION DE TRABAJO DEL GRUPO DE ESPECIALISTAS EN COCODRILOS DE LA COMISION DE SUPERVIVENCIA DE ESPECIES DE LA UNION INTERNACIONAL PARA LA CONSERVACION DE LA NATURALEZA Y DE LOS RECURSOS NATURALES (IUCN. Crocodile Specialist Group. Working Meeting (7th : Caracas, Venezuela, 1984)
QL666.C9I61 1984 STRI.

DEVELOPMENTAL BIOLOGY (SF Gilbert, 1988)
QL955.G48 1988X STRI.

DISTRIBUCION VERTICAL Y HORIZONTAL DE VERTEBRADOS EN UN MANGLAR DEL CORREGIMIENTO DE JUAN DIAZ DURANTE LA EPOCA SECA (ST Farrugia S. & E. Ponce C., 1988)
QH541.5.M27F24 1988 STRI.

EFFECT OF ENVIRONMENT ON NUTRIENT REQUIREMENTS OF DOMESTIC ANIMALS (Subcommittee on Environmental Stress, Committee on Animal Nutrition, Board on Agricultural and Renewable Resources, Commission on Natural Resources, National Research Council, 1981)
SF95.E3X 1981 STRI.

ENCYCLOPEDIA OF HUMAN EVOLUTION AND PREHISTORY (I. Tattersall, E. Delson, & J. Van Couvering, 1988)
GN281.E53 1988X STRI.

ESTUDIO HISTOLOGICO DEL CICLO REPRODUCTIVO ANUAL DE Saccostrea columbiensis (HANLEY, 1846) (LAMELLIBRANCHIATA, OSTREIDAE) Y SU RELACION CON PARAMETROS ABIOTICOS EN EL LAGO DE LA TERCERA ESCLUSA DE MIRAFLORES, PANAMA (FO Guardia L., 1986)
QL430.7.O9G914 1986 STRI.

FRUIT BATS (MEGACHIROPTERA) OF THE WORLD : A BIBLIOGRAPHY (JE Morse et al, 1987)
Z7997.B3F78 1987X STRI.

INDIVIDUAL RECOGNITION AND NEIGHBOR/STRANGER DISCRIMINATION IN THE LIZARD Anolis limifrons (CA d'Orgeix, 19--)
QL666.L2D69 1900 STRI.

INSECT DEVELOPMENT : PHOTOPERIODIC AND TEMPERATURE CONTROL (VA Zaslavski, 1988)
QL495.5.Z3713 1988X STRI.

INSECT-PLANT INTERACTIONS (JR Miller & TA Miller, editors, 1986)
QL496.I388 1986X STRI.

MANEJO DE FAUNA SILVESTRE Y DESARROLLO RURAL : INFORMACION SOBRE SIETE ESPECIES DE AMERICA LATINA Y EL CARIBE (Oficina Regional de la FAO para America Latina y el Caribe, 1985)
QL84.3.A1M27 1985 STRI.

MARINE INVERTEBRATE FISHERIES : THEIR ASSESSMENT AND MANAGEMENT (JF Caddy, editor, 1988)
SH370.M37 1989X STRI.

MICROBIOLOGY AND SOIL FERTILITY: PAPERS PRESENTED AT THE TWENTY-FIFTH ANNUAL BIOLOGY COLLOQUIUM (CM Gilmour & ON Allen, editors, 1965)
QR111.B61 1964 STRI.

MOLECULAR PLANT DEVELOPMENT (TM Murphy & WF Thompson, 1988)
GK731.M87 1988X STRI.

NUTRIENT REQUIREMENTS OF POULTRY (Subcommittee on Poultry Nutrition, Committee on Animal Nutrition, Board on Agriculture, National Research Council, 1984)
SF494.N976 1984 STRI.

OSTRACODA IN THE EARTH SCIENCES (P. De Deckker, JP Colin, & JP Peypouquet, editors, 1988)
QE817.O8077 1988X STRI.

PRIMATE ADAPTATION & EVOLUTION (JG Fleagle, 1988)
QL737.P9F57 1988X STRI.

REPORT OF ECOSYSTEM STUDIES CONDUCTED DURING THE 1987 EASTERN TROPICAL PACIFIC DOLPHIN SURVEY ON THE RESEARCH VESSEL McARTHUR (VG Thayer et al, 1988)
QL737.C432R42 1988 STRI.

THE RUINS OF ZACULEU, GUATEMALA (RB Woodbury & AS Trik, 1954)
QF1435.1.Z3W885 STRI.

SAVING THE TROPICAL FORESTS (J. Gradwohl & R. Greenberg, 1988)
SD414.T76G73 1988X STRI.

SONG BIRDS OF THE WORLD (OL Austin, Jr., 1967)
QL696.P2A75X 1967 STRI.

SYSTEMATICS AND DISTRIBUTION OF LANTERNFISHES OF THE GENERA LOBIANCHIA AND DIAPHUS (MYCTOPHIDAE) IN THE INDIAN OCEAN (BG Nafpaktitis, 1978)
QL638.M9N14 1978 STRI.

STYGOFAUNA MUNDI : A FAUNISTIC, DISTRIBUTIONAL, AND ECOLOGICAL SYNTHESIS OF THE WORLD FAUNA INHABITING SUBTERRANEAN WATERS (INCLUDING THE MARINE INTERSTITIAL) (L. Botosaneanu, 1986)
QL120.S93 1986 STRI.

THIRD CONFERENCE ON VITAMIN C (JJ Burns, JM Rivers, & LJ Machlin, 1987)
QP772.A8C74 1986 STRI.

