

SEMINARS

The luncheon talk scheduled for Tuesday, December 9, will be given by PAUL WELDON, from A & M University at Texas. His subject:

Behavioral responses to glandular and skin natural production in reptiles.

On the following Tuesday, December 16, JEROME HOWARD from the University of Iowa will give the noon talk entitled "Tropical Trees are Heterogeneous Resources for Leaf-Cutting Ants."

ARRIVALS & DEPARTURES

December 8 - Arriving, GEORGE MIDDENDORF and MURIEL POSTON, from Howard University, with 8 students to conduct a tropical biology course. They will be staying at Gamboa and visiting the different STRI facilities until December 19.

December 10 - Arriving, JOSEPH YAVITT and CAL WIEDER, from the University of West Virginia, to study the mineralization and nutrient dynamics on irrigated plots on BCI. They will be here until December 15.

REMINDER FROM THE MAIL ROOM

The STRI APO MIAMI 34002-0011 address is for official mail only. All personal mail should be sent to Box 2072, Balboa, Republic of Panamá. Users should be aware that during every Christmas season Panamá requires an extra .02 cent stamp on all letters.

NEW TELEPHONES/OLD TELEPHONES

Naos Bunker (Universidad de Panamá, Centro de Ciencias Marinas y Limnología) telephone now working: 28-4409

New telephone at the Naos Pier: 28-4049

Telephone number changes-new numbers:

Don Windsor 86-3421 (home)
Gordon McPherson 86-4122 (home)
Chase Bank, Balboa 28-4455

TEACHER NEEDED

A scientist or student is needed to teach senior high school level biology in French from January - May 1987. 3 hours/week evenings. Interested persons please contact Jacqueline Jaen at the French Alliance. Telephone: 23-7376.

DECEMBER 1986						
S	M	T	W	T	F	S
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21	22	23	24	25	26	27
28	29	30	31			

December 8 - Mothers' Day in Panamá is an official STRI holiday. STRI offices, all government offices, banks and stores will be closed. / Dia de las Madres. Dia feriado para STRI.

December 9 - Scientific Staff Meeting at 9:30 a.m. in the Ancon Conference Room.

December 25 - Christmas Holiday/Navidad.

ADDENDUM

Claudia Campbell and Joe Wright's new baby was named Jesse Stuart Wright.

LITERARY PUBLICATION

Alberto Gonzalez, one of the gamewardens at Barro Colorado Island, has recently published a book of poetry and songs entitled "Decimas de Alberto Gonzalez". These songs run the gamut from descriptive and historical to protest music, all relating to life in the countryside of Panamá.

Alberto Gonzalez, guardabosque de Barro Colorado, acaba de publicar un libro de poesías y cantos titulado "Decimas de Alberto Gonzalez". Estos cantos van desde lo puramente descriptivo e histórico hasta canciones de protesta y más, todas relacionadas a los sentimientos de un hombre de campo.

A DEFINITION TO REMEMBER

El Niño occurs when the monthly mean departure of sea surface temperatures from the 25-year long-term monthly mean value exceed one standard deviation for four consecutive months at three of five coastal stations of Perú. (from the Scientific Committee on Ocean Research, working group 55)

MEETINGS IN ARGENTINA

The 13th Argentinian Ecology Meetings will be held in Bahía Blanca, Argentina, from April 5 to 8, 1987. Forms for registration and additional information can be found on your facility bulletin boards.

LIBRARY NEWS

New books:

- ANIMAL ECOLOGY (C.S. Elton, 1966) QL751.E51 STRI
ANURA (AMPHIBIA) (Y. OKADA, 1966) QL668.E20415 STRI
ARTHROGASTRIC ARACHNIDS OF CAUCASIA. PART 1 SCORPIONS (A.A. Bialynitskii-Birulia, 1964)
Translated by J. Salkind. QL458.S4B57 STRI
- BIRD EMBRYOLOGY (V.V. Rolnik, 1970) Translated from the Russian. Edited by H. Mills.
QL698.R75 STRI
- BIRDS OF EUCALYPT FORESTS AND WOODLANDS: ECOLOGY, CONSERVATION, MANAGEMENT (A. Keast et al
editors, 1985) QQL693.B618 STRI
- BIRDS OF ISLA GRANDE (TIERRA DEL FUEGO) (P.S. Humphrey, 1970) QL689.182H92 STRI
- BRITISH BOOKS IN PRINT (Whitaker, 1986) Z2001.B86 STRI
- BRITISH SEA SPIDERS: ARTHROPODA, PYCNOGONIDA: KEYS AND NOTES FOR THE IDENTIFICATION OF THE
SPECIES (P.E. King, 1974) QL447.K54 STRI
- BRYOPHYTE SYSTEMATICS: PROCEEDINGS OF AN INTERNATIONAL SYMPOSIUM... (C.S. Clarke and J.G.
Duckett, editors, 1979) QK533.7.B78 STRI
- CASTE DIFFERENTIATION IN SOCIAL INSECTS (J.A.L. Watson et al, editors, 1986) QL529.C37 STRI
- CATALOGUE OF THE BATRACHIA GRADIENTIA s. CAUDATA AND BATRACHIA APODA IN THE COLLECTION OF THE
BRITISH MUSEUM. (British Museum (Nat. Hist.) Dept. of Zoology, 1882) QL668.C2B8 STRIREF
CATALOGUE OF THE BATRACHIA SALIENTIA s. ECAUDATA IN THE COLLECTION OF THE BRITISH MUSEUM
(G.A. Boulenger, 1882) QL668.E2B86 STRIREF
- COMPUTERS IN BOTANICAL COLLECTIONS (J.P.M. Brenan, R. Ross and J.T. Williams, editors, 1975)
QK75.C65 STRI
- CONTRIBUTIONS TO HELMINTHOLOGY... (Akademia nauk SSSR, 1966) QL392.A313 E 1966 STRI
- COTTIDAE (PISCES) (M. Watanabe, 1960) QL638.C8W314 STRI
- DENTRITIC METHOD IN THE SYSTEMATICS OF PLANTS (T. Kowal, 1968) QK95.K88 E STRI
- EARTHWORMS: KEYS AND NOTES FOR THE IDENTIFICATION AND STUDY OF THE SPECIES (R.W. Sims and
B.M. Gerard, 1985) QL391.A6S614 STRI
- ECOLOGY AND FIELD BIOLOGY (R.L. Smith, 1980) QH541.S6 STRI
- ECOLOGY OF BIOLOGICAL INVASIONS OF NORTH AMERICA AND HAWAII (H.A. Mooney and J.A. Drake,
editors, 1986) QH102.E284 STRI
- ECOLOGY OF DROSOPHILA BREEDING SITES (H.L. Carson, 1971) QL537.C76C3 STRI
- ECOLOGY OF SUMATRA (A.J. Whitten, et al, editors, 1984) QH186.E19 STRI
- ECOSYSTEM APPROACH TO AQUATIC ECOLOGY: MIRROR LAKE AND ITS ENVIRONMENTS (G.E. Likens, editor,
1985) QH105.N4E3 STRI
- ENVIRONMENT AND PLANT ECOLOGY (J.R. Etherington, 1982) QK901.E84 STRI
- ENVIRONMENTAL STUDIES: THE EARTH AS A LIVING PLANT (D.B. Botkin, 1982) QH541.B65 STRI
- EVOLUTION: A THEORY IN CRISIS (M. Denton, 1986) QH371.D46 STRI
- EVOLUTION AND ENVIRONMENT... (Peabody Museum Centennial symposium... 1968) QH366.ALP35 STRI
- EXPLOITATION OF MARINE COMMUNITIES... (Dahlem Workshop , 1984) SH327.5.D13 STRI
- FEATHER FASHIONS AND BIRD PRESERVATION: A STUDY IN NATURE PROTECTION (R.W. Doughty, 1975)
QL676.5.D73 STRI
- FIELD GUIDE TO REPTILES AND AMPHIBIANS OF THE UNITED STATES AND CANADA EAST OF THE 100th
MERIDIAN (R. Conant, 1958) QL651.C74 STRI
- FINDING BIRDS IN THE NATIONAL CAPITAL AREA (C. Wilds, 1983) QL683.W37W54 STRI
- FIRST BOOK OF GRASSES: THE STRUCTURE OF GRASSES EXPLAINED FOR BEGINNERS (A. Chase, 1964)
QK495.C74C47 STRI
- FOLIAR FERTILIZATION: PROCEEDINGS OF THE FIRST INTERNATIONAL SYMPOSIUM... (International
Symposium on Foliar Fertilization, 1986) S662.5I58 STRI
- FOREST TREES OF AUSTRALIA (D.J. Boland, 1984) QK492.A94 STRI
- FREE-LIVING LOWER INVERTEBRATES (F.M. Bayer and H.B. Owre, 1968) QL362.B35 STRI
- FRESH-WATER FISHES OF SIAM, OR THAILAND (H.M. Smith, 1945) QL634.T5S64 STRI
- GEOGRAPHY OF THE FLOWERING PLANTS (R. Good, 1964) QK 101.G6 STRI
- HANDBOOK OF TURTLES: THE TURTLES OF THE UNITED STATES, CANADA, AND BAJA CALIFORNIA (A.F.
Carr, 1952) QL666.C5C31 STRI
- HOSTILE AND SEXUAL BEHAVIOR PATTERNS OF SOUTH AMERICAN AND PACIFIC LARIDAE (M. Moynihan,
1962) QL696.L3M93 STRI
- ICHTHYOLOGIA OHIENSIS. NATURAL HISTORY OF THE FISHES INHABITING THE RIVER OHIO AND ITS
TRIBUTARY STREAMS. (C.S. Rafinesque, 1970) reprint of the 1820 ed. QL627.R13 STRI
- IMMUNITY IN INVERTEBRATES: CELLS, MOLECULES, AND DEFENSE REACTIONS (M. Brehelin editor, 1985)
QL364.I46 STRI
- INDEX TO BENT'S LIFE HISTORIES OF NORTH AMERICAN BIRDS. (A.C. Bent, 1971) Compiled by
P.H. Oehser. QL681.B47 STRI
- KIRTLAND'S WARBLER (H. Mayfield, 1960) QL696.P2M46 STRI
- LIVING REPTILES OF THE WORLD (K.P. Schmidt, 1957) QL644.S35 STRI
- LONG-TERM EFFECTS OF OIL POLLUTION ON MARINE POPULATIONS, COMMUNITIES AND ECOSYSTEMS...
PROCEEDINGS OF A ROYAL SOCIETY DISCUSSION... (H.A. Cole and R.B. Clark, editors, 1982)
QOH545.O5L66 STRI

MEALYBUGS OF CALIFORNIA, WITH TAXONOMY, BIOLOGY AND CONTROL OF NORTH AMERICAN SPECIES...
 (H.L. McKenzie, 1967) QL523.P7M15 STRI

MIND IN THE WATERS: A BOOK TO CELEBRATE THE CONSCIOUSNESS OF WHALES AND DOLPHINS (J. McIntyre,
 1974) QL737.C4M24 STRI

NATURAL HISTORY OF SNAKES (H.W. Parker, 1965) QL666.06P23n STRI
 NATURAL RESOURCE CONSERVATION: AN ECOLOGICAL APPROACH (O.S. Owen, 1985) S938.087 STRI
 NERVOUS SYSTEM OF PARASITIC NEMATODES (I. K. Bogoiavlenskii, 1983) QL391.N4B67 STRI

OISEAUX DE NILE. CALEDONIE ET DES LOYAUTES = NEW CALEDONIAN BIRDS (F. Hannecart, 1980)
 QL694.N37H24 STRI

OPHIDIA. (A.M. Nikolskii, 1964) Translated by A. Mercado. QL666.06N69 STRI
 OPHIDIA JAVANICA (J.K.P. Van Hoesel, 1959) QL666.06H69 STRI
 OWLS; THEIR NATURAL AND UNNATURAL HISTORY (J. Sparks and T. Soper, 1970) QL696.S8S73 STRI

PACIFIC SALMON: SELECTED ARTICLES FROM SOVIET PERIODICALS. Translated from Russian.1961
 QL638.S2P11 STRI

PERSPECTIVES IN RUNNING WATER ECOLOGY (M.A. Lock and D.D. Williams, 1981) QH541.5.S7P47
 STRI

PHOTOGRAPHY FOR THE SCIENTIST (R.A. Morton, 1984) TR692.5.P57 STRI
 PHYLOGENY OF THE ORTHOPTEROIDEA... translated from the Russian(A.G. Sharrov, 1971)
 QL509.S53 STRI

PRELIMINARY FIELD GUIDE TO THE MACKEREL-AND-TUNE-LIKE FISHES OF THE INDIAN OCEAN(B.B. Collette
 and R.H. Gibbs,Jr., 1963) QL638.S35C6 STRI

RACIAL AND ECOLOGICAL STUDY OF THE OHRID SALMONIDS. Translated from Serbo-Croatian by
 P. Pignon (D. Stefanovic, 1966) QL638.S2S816 STRI

RECENT TRENDS IN RESEARCH IN COELENTERATE BIOLOGY...(T.Takioka editor, 1973) QL378.I618 STRI
 REVISION OF THE PALEARCTIC YPONOMEUTIDAE ;WITH SPECIAL CONSIDERATION OF THE GENITALIA.
 LEPIDOPTERA. Translated from German(G.Friese, 1969) QL561.Y6F912 STRI

SEEDS OF CHANGE: FIVE PLANTS THAT TRANSFORMED MANKIND(H. Hobhouse, 1986) SB71.H63 STRI
 SHALLOW-WATER,CORAL REEF AND MANGROVE AMPHIPODA (GAMMARIDEA) OF FUGI(A.A. Myers, 1985)
 QL444.M315M8 STRI

SMITHSONIAN SUMMER INSTITUTE IN SYSTEMATICS(Smithsonian Summer Inst. in Systematics, 1968)
 QK95.S66 STRI

SNAKES OF AFRICA: SOUTHERN,CENTRAL AND EAST. (R.M. Isemonger, 1962) QL666.06I78 STRI

TECHNIQUES FOR THE INVESTIGATION OF FISH PHYSIOLOGY: A COLLECTION OF ARTICLES. Translated
 from Russian (Akademia nauk SSSR, 1964) QL639.1.A53 STRI

TETTIGONIOIDEA... Translated from Russian. (G.I. Bei-Bienko, 1965) QL508.L8B42 STRI
 TIMBER PRESS DICTIONARY OF PLANT NAMES. (A.J. Coombes, 1985) QK9.C77 STRIREF
 TRACE ELEMENTS IN THE TERRESTRIAL ENVIRONMENT (D.C. Adriano, 1986) QH545.T7A37 STRI
 TROPICAL BIOLOGICAL DRAWINGS, WITH NOTES. (J.A. Mitchelmore, 1967) QK55.M68 STRI

ULENDO: TRAVELS OF A NATURALIST IN AND OUT OF AFRICA. (A.F. Carr, 1964) QL336.C37 STRI

WONDEROUS WORLD OF FISHES. (National Geographic Society, 1965) QL625.N27 STRI