

SEMINARS

The luncheon talk scheduled for Tuesday, December 16, will be given by JEROME HOWARD, from the University of Iowa. His subject:

Tropical Trees are
Heterogeneous Resources for
Leaf-Cutting Ants.

On the following Tuesday, December 23, GONZALO CASTRO, from the Philadelphia Academy of Natural Sciences, will give the noon talk entitled "Time and Energy Budgets of Sanderlings at Four Different Latitudes".

ARRIVALS & DEPARTURES

Arrived last week, FRANCE MARCOUX and DOUGLAS J. GRAHAM, to assist James Davis with his research on the evolution of sex roles and mating strategies in kingfishers in Portobelo.

December 14 - Arriving, STEPHEN MULKEY, from the University of Missouri, to study the diurnal variation in atmospheric drought and schedules of carbon gain and water loss in understory trees. He will be on BCI until January 10, 1987.

December 16 - Arriving, DIANE DE STEVEN, from the University of Wisconsin, to continue research on Oenocarpus. She will be on BCI until January 14, 1987.

December 18 - Arriving, JACALYN GIACALONE and GREGG WILLIS, from Upsala College New Jersey, to study the population ecology of Sciurus granatensis in relation to Dipteryx fruit availability. They will be staying on BCI until January 28, 1987.

ON LEAVE THIS MONTH

Hely Cortez: DEC 15 - JAN 1
Saturnino Martinez: DEC 15 -24
Nicolas Almanza: DEC 15 -31
Argelis Román: DEC 16 - 26
Gilberto Ocaña: DEC 17 - 31
Nancy Knowlton: DEC 17 - JAN 2
Jeremy Jackson: DEC 19 - JAN 2
Jorge Ventocilla: DEC 20 - JAN 2
Ira Rubinoff: DEC 22 - 26
Barbara Cusatti: DEC 22 - JAN 19
Elena Lombardo: DEC 26 - JAN 16

WANTED/SE BUSCA

Used car, preferably automatic, will pay up to \$3000. Please contact Rosendo Fraga at Ancon 62-2008 or 62-3416. / Carro usado, automatico, hasta \$3000.

COURSES, WORKSHOPS, SEMINARS

The School of Civil Engineering of the Technological University of Panamá is sponsoring a workshop entitled "Problems and Priorities in Investigation and Technological Development in the Area of Clean Water and Sanitation" from December 16 - 18 in the IDAAN (Instituto de Acueductos y Alcantarillados Nacionales) Auditorium on Via Brazil.

La Facultad de Ingeniería Civil de la Universidad Tecnológica de Panamá estará realizando el "Taller Nacional sobre Problemática y Prioridades de Investigación y Desarrollo Tecnológico en el Sector de Agua y Saneamiento" a efectuarse del 16 al 18 de diciembre en el auditorium del IDAAN en Via Brasil.

The Charles Darwin Research Station is offering an intensive graduate course on "Island Bird Faunas and their Conservation" in June 1987 in the Galapagos Islands. The course is mainly for Latin American students but most of the conferences will be in English.

La Estación Científica Charles Darwin ofrece para junio de 1987 un curso intensivo (de postgrado) sobre "Avifaunas Isleñas y su Conservación" en las Islas Galápagos. Este curso es para personas de los países latinoamericanos pero la mayor parte de las conferencias serán dictadas en inglés por el Dr. S. Ervin de la Universidad de Fresno State, California, E.E.U.U.

POSITIONS AVAILABLE

The Charles Darwin Foundation for the Galapagos Isles is announcing a position for an Interpretation and Environmental Education Specialist and Advisor. For further information call C. MacFarland at (406) 726-3974. Closing date for applications is December 15.

CITES and the Argentine Reptile Skin Exporters Association are looking for a Principal Investigator for the project "Wild Population Study and Development of a Conservation Management Plan for Tupinambis spp." Deadline for applications is December 15.

ART EXPOSITION

Marcos Guerra, from the STRI Photo Department, is presenting several of his paintings at the Galeria Magna on Calle 50, Edificio Universal from December 12 - 31.



LIBRARY NEWS

New books:

- AFRICAN FOLKLORE(R.M. Dorson, compiler, 1972) GR350.D67 STRI
 ALIEN ANIMALS (G. Laycock, 1966) QL86.L42 STRI
 LOS ANIFIBIOS Y REPTILES DE PUERTO RICO (J.A. Rivero, 1978) QL656.5.P8R58 STRI
 ANIMAL CAMOUFLAGE (A. Portmann, transl. by A.J. Pomerans, 1959)QH546.P653 STRI
 ANIMAL REPRODUCTION (P. Street, 1974) QP251.S86 STRI
 ARCHAEOLOGY BY EXPERIMENT (J. Coles, 1973) CC75.C57 STRI
 ARCTURUS ADVENTURE...(C.W. Beebe, 1926) Q115.B3 STRI
 ASPECTS OF PRIMITIVE ART (R. Redfield, 1959) N5310.R315 STRI
 ATLANTIC SLAVE TRADE: A CENSUS (P.D. Curtin, 1969) HT975.C97 STRI
 AUDUBON, BY HIMSELF...(J.J. Audubon, 1969) QL31.A9A3 STRI
 BEWARE THE HURRICANE: THE STORY OF THE CYCLONIC TROPIC STORMS...(T. Tucker,1982)QC945.
 T83 STRI
 BIOENERGETICS OF WILD HERBIVORES(R.J. Hudson, and R.G. White,editors,1985)QL737.U4B56
 BIOLUMINESCENCE AND CHEMILUMINESCENCE:INSTRUMENTS AND APPLICATIONS(K.Van Dyke,editor,
 1985) QP517.C54B56 STRI
 BIRDS OF HAWAII (G.C. Munro, 1960) QL694.H3M96STRI
 BIRDS OF NEPAL(R.L. Fleming,Sr., 3rd ed. 1984) QL691.N4F598 STRI
 BRITISH & EUROPEAN BIRDS IN COLOUR (B. Bruun, 1969) qQL690.A1B77 STRI
 BUTTERFLIES: A HANDBOOK OF THE BUTTERFLIES OF THE UNITED STATES...(R.W. Macy,1941)
 QL549.M17STRI
 LES CACTACEAS DE MEXICO(H.Bravo-Hollis, 1978- 2nd ed, 1978)QK495.C11B49 STRI
 CHARLES DARWIN, A PORTRAIT(G.West, 1938) QH31.D2W45 STRI
 CLIMBING MAN'S FAMILY TREE: A COLLECTION OF MAJOR WRITINGS ON HUMAN PHYLOGENY, 1699-
 1971(T.D. McCown, 1972) GN281.M3 STRI
 COLOMBIA (G.Reichel-Dolmatoff, 1965) F2269.R34 STRI
 COMMON EXOTIC TREES OF SOUTH FLORIDA (DICOTYLEDONS) (M.F. Barrett, 1956)QK495.A12B27STRI
 COPE: MASTER NATURALIST: THE LIFE AND LETTERS...(H.F. Osborn, 1931) QH31.C8072STRI
 DEUTEROMYCOTINA DE CUBA: HYPHOMYCETES(R.F. Casteneda Ruiz, 1985) QK625.A1C34 STRI
 DICCIONARIO DE BIOLOGIA ANIMAL(C.G. Aguayo, 1982) QL9.A38 STRIREF
 DISCOVERY OF THE AMAZON ACCORDING TO THE ACCOUNT OF FRIAR GASPAR DE CARVAJAL...
 (G.de Carvajal, 1970) facsim. E125.06C363 STRI
 ECOLOGY OF BIOLOGICAL INVASIONS (R.H. Groves and J.J. Burdon, editors,1986)
 SB990.5.A8E26 STRI
 THE EVERGLADES: RIVER OF GRASS(M.Stoneman Douglas, 1947) F317.E9D735 STRI
 A FIELD GUIDE TO THE BIRDS OF MEXICO AND CENTRAL AMERICA (L.Irby Davis, 1972)
 QL687.A1D262 STRI
 FREE-LIVING MARINE NEMATODES OF THE SEVASTOPOL AREA(I.N. Filipev, trans. from Russian
 by M. Raveh, 1968) QL391.N4F48 STRI
 A FLORA OF MANILA (E.D. Merrill, 1912) QK368.M5 STRI
 FLORA OF PUERTO RICO AND ADJACENT ISLANDS: A SYSTEMATIC SYNOPSIS(A.H. Liogier, 1982)
 QK230.L56 STRI
 FLORA OF THE CAYMAN ISLANDS(G.R. Proctor, 1984) QK231.C3P96 STRI
 FOUR-LEGGED AUSTRALIANS: ADVENTURES WITH ANIMALS AND MEN IN AUSTRALIA(B. Grzimek,
 transl. by J. Maxwell Brownjohn, 1967) QL338.G7713 STRI
 THE FROG BOOK: NORTH AMERICAN TOADS AND FROGS,WITH A STUDY OF THE HABITS AND LIFE
 HISTORIES...(M.C. Dickerson, 1907) QL651.D54 STRI
 FUNDAMENTALS OF INSECT PHYSIOLOGY(M.S. Blum, editor, 1985) QL495.F86 STRI
 GARDENS OF THE ANTILLES (J.V. Watkins, 1952) SB39.W3 STRI
 GENETIC ANALYSIS OF ANIMAL DEVELOPMENT(A.S. Wilkins,1986) QH453.W55 STRI
 GENETIC DIFFERENTIATION AND DISPERSAL IN PLANTS (P. Jacquard,G.Heim and J. Antonovis,
 editors, 1985) QK981.N35 STRI
 GREAT WATERS: A VOYAGE OF NATURAL HISTORY TO STUDY WHALES,PLANKTON, AND THE WATERS
 OF THE SOUTHERN OCEAN (A.C. Sir, Hardy, 1967) QL126.H26STRI
 GUATEMALA: THE LAND OF THE QUETZAL(W.T. Brigham, 1887) F1464.B85 STRI
 A GUIDE TO THE BIRDS OF NEPAL(T. Inskipp and Carol Inskipp, 1985) QL691.N46167 STRI
 HALF MILE DOWN (W. BEEBE, 1934) QL128.B414 STRI
 HANDLING OF THE AFRICANIZED HONEYBEE BY THE PANAMA CANAL COMMISSION(D. E. Cordovo,1986)
 QL568.A6C79 STRI
 A HISTORY OF AMERICAN ARCHAEOLOGY (G.R. Willey and J.A. Sabloff,1974)E61.W67 STRI
 A HISTORY OF GENETICS(S.H. Sturtevant, 1965)QH431.S93 STRI
 A HISTORY OF SCIENCE(G. Sarton,1952-59) Q125.S25hi STRI
 THE HISTORY OF THE MAYA FROM THE EARLIEST TIMES TO THE PRESENT DAY(T.Gann and J.E.Thom
 son,1931) F1435.G175 STRI
 INFECTIOUS DISEASES OF CULTURED FISHES: CURRENT PERSPECTIVES(U.S.Dept. of Interior,
 Fish and Wildlife Service, 1986) SH171.B85 STRI
 INTRODUCTION TO THE ALGAE: STRUCTURE AND REPRODUCTION(H.C. Bold, 1985)QK566.B64STRI 2nd
 ISRAEL NATIONAL COLLECTIONS OF NATURAL HISTORY(I. Ferber, compiler, 1985)QH70.I75F34STRI
 JOHN JAMES AUDUBON(A.Ford, 1964) QL31.A9F69 STRI
 THE KING DANCED IN THE MARKETPLACE. (F. Gillmor, 1964) F1219.G47 STRI
 LET THEM LIVE: A WORLDWIDE SURVEY OF ANIMALS THREATENED WITH EXTINCTION(K. Curry-Lindahl,
 1972) S962.C976 STRI
 THE LIFE OF SCIENCE: ESSAYS IN THE HISTORY OF CIVILIZATION. (G. Sarton,1948)Q125.S25STRI
 THE LIVING REEF(J.Greenberg, 1972)QL125.G74 STRI
 THE LOGIC OF SCIENTIFIC DISCOVERY(K.R. Popper, 1959) Q175.P863 STRI
 LORDS OF CUZCO: A HISTORY AND DESCRIPTION OF THE INCA PEOPLE IN THEIR FINAL DAYS.
 (B.C. Brundage, 1967) F3429.B89 STRI

EL MAR DE PUERTO RICO:UNA INTRODUCCION A LAS PESQUERIAS DE LA ISLA(J.A. Suarez Caabro, 1979) SH233.P85S9 STRI

MASTERPIECES IN THE MUSEUM OF PRIMITIVE ART: AFRICA,OCEANIA,NORTH AMERICA,MEXICO,CENTRAL TO SOUTH AMERICAN,PERU.(New York. Museum of Primitive Art, 1965)N5310.N46STRI

MILLIPEDES: KEYS AND NOTES FOR THE IDENTIFICATION OF THE SPECIES(J.G. Blower,1985) QL449.6.B65 STRI

MINERAL NITROGEN IN THE PLANT-SOIL SYSTEM(R.J. Haynes, 1986)QK753.N54H39 STRI

MONITORING FISH AND WILDLIFE FOR ENVIRONMENTAL CONTAMINANTS...(J. Jacknow,1986) QH545.P4J33 STRI

THE NATURE OF NATURAL HISTORY(M. Bates, 1950) QH309.B32 STRI

NONSUCH: LAND OF WATER...(C.W. Beebe, 1932) QH110.B4 STRI

ON THE ECONOMY OF PLANT FORM AND FUNCTION...(Maria Moors Cabot Symposium, 1983) QK909.5.M37 STRI

THE ORIGINS OF MODERN SCIENCE:1300-1800(H. Butterfield) Q125.B97 STRI

PAJAROS NOTABLES DE PUERTO RICO: GUIA PARA OBSERVADORES DE AVES(O.Rivera Cianchini, 1981) QL688.P6R58 STRI

PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON UTILIZATION OF COASTAL ECOSYSTEMS: PLANNING,POLLUTION AND PRODUCTIVITY...(N.L. Chao and W. Kirby-Smith, editors, 1982) QH541.5.C65P96 STRI

PORCELAIN & POTTERY MARKS(U. Hartman, 1942) NK4215.H3 STRI

PROTECCION CONTRA LAS PLAGAS FORESTALES EN CUBA(R. Hochmut, 1982)SB764.C9H68 STRI

A QUESTION OF SURVIVAL FOR THE INDIANS OF BRAZIL(R. Hanbury-Tenison, 1973) F2519.3.G6H36 STRI

THE RAW AND THE COOKED.(C. Levi-Strauss, transl from the French by John and Doreen Weightman, 1969) BL304.L66 STRI

RECURSOS NATURALES RENOVABLES(J.M. Romero Martinez, 1966) S936.R66 STRI

RICE--PRODUCTION AND UTILIZATION(B.S. Luh, editor,1980) SB191.R5R497 STRI

RIPARIAN ECOSYSTEMS AND THEIR MANAGEMENT...(North American Riparian Conference,1985) QH541.5.R5N67 STRI

ROOT AND ROOT SYSTEM TERMINOLOGY(R.F. Sutton,R.W. Tinus,1983)QK644.S96 STRI

SALVEMOS LO NUESTRO! (J. Reuter, 1983)F1563.7.R44 STRI

SCIENCE AND ETHICAL VALUES(H.B. Glass, 1965) Q175.G54 STRI

SCIENCE: THE GLORIOUS ENTERTAINMENT(J. Barzun, 1964) CB358.B29 STRI

A SHORT HISTORY OF THE BROWN-TAILED MOTHE(1782) WITH AN INTRODUCTION BY WILLIAM T. STERN AND ENTOMOLOGICAL NOTES BY D.S. FLETCHER(W. Curtis, 1969) QL561.L9C98 STRI Facsim. ed.

SIX WINGS: MEN OF SCIENCE IN THE RENAISSANCE(G. Sarton, 1957) Q125.S326 STRI

SPATIAL AND TEMPORAL FLUCTUATIONS OF LITTERFALL IN THE AGROFORESTRY ASSOCIATION ... (N. Glover, 1984) SB270.C8G56 STRI

STATISTICS(D.J. Koosis, 1985) QA276.12.K667 STRI 3rd edition

STATE OF THE WORLD: A WORLDWATCH INSTITUTE REPORT ON PROGRESS TOWARDS A SUSTAINABLE SOCIETY. 1984- HC 59.69.S797 STRIREF

SUPPLEMENTARY APPENDIX TO TRAVELS AMONGST THE GREAT ANDES OF THE EQUATOR(E. Whymper, 1891) QL481.A1W48 STRI

SYLVANUS G. MORLEY AND THE WORLD OF THE ANCIENT MAYAS(R.L. Brunhouse, 1971) F1435.M76B7 STRI

TAKING DARWIN SERIOUSLY: A NATURALISTIC APPROACH TO PHILOSOPHY(M. Ruse,1986)QH371.R77STRI

TROPICA: COLOR CYCLOPEDIA OF EXOTIC PLANTS AND TREES FOR WARM-REGION HORTICULTURE... (A.R. Graf, 1986) 3rd edition vol.3 SB407.G736 STRIREF

TROPISCHE NUTZPFLANZEN: URSPRUNG,EVOLUTION UND DOMESTIKATION(E.H. Brucher,1977) SB111.B85 STRI

TYPE SPECIMENTS OF FOSSIL INVERTEBRATA IN THE NATURAL HISTORY MUSEUM OF LOS ANGELES COUNTY.(E.C. Wilson, 1986) QE770.W74 STRI

UNKNOWN MEXICO: A RECORD OF FIVE YEARS' EXPLORATION AMONG THE TRIBES OF THE WESTERN SIERRA MADRE...(K.S. Lumholtz,1902) F1220.L85 STRI

THE VERTEBRATE STORY.(A.S. Romer, 1959) QL605.R76 4th edition STRI

WATCHING BIRDS: AN INTRODUCTION TO ORNITHOLOGY(R.F. Pasquier, 1977)QL673.P37STRI

WATERFOWL TOMORROW(J.P. Linduska, editor1964) QL696.A5U5 STRI

WORLD OF THE GREAT WHITE HERON: A SAGA OF THE FLORIDA KEYS(M.Sanger, 1967)QH105.F6S22

ZACA VENTURE(C.W. Beebe, 1938) QL5.B36 STRI

XYLOG: A COMPUTER PROGRAM FOR FIELD PROCESSING LOCATIONS OF RADIO-TAGGED WILDLIFE (W.E. Dodge, 1986) QL60.4.D63 STRI

Addenda

DESCRIPTION AND COMPARISON IN CULTURAL ANTHROPOLOGY(W.H. Goodenough, 1970)GN345.G6STRI