



**THE CENTER FOR FIELD RESEARCH
AT EARTHWATCH INSTITUTE**

The Center for Field Research (CFR) reviews and recommends proposals for support by Earthwatch Institute (EWI). EWI sponsors field studies worldwide by scholars working to investigate and/or conserve the Earth's physical, biological, and cultural heritage. Interested scholars should submit to CFR a two-page preliminary proposal form describing planned research and field methods including dates, budget, and plans for the use of EWI volunteers as field assistants. If funding for the proposed research is deemed appropriate, a more detailed full proposal will be invited for peer review. Earthwatch Institute and The Center for Field Research are not-for-profit organisations. The fiscal year 2001 program is distributed as follows: Life Sciences 69%, Physical Sciences 8%, and Social Sciences 23%. We are pleased to announce that the following projects have been approved for EWI support in fiscal year 2001.

Life Sciences

Ecology

Andrea Berardi, Ph.D, Researcher, Royal Holloway Institute for Environmental Research, University of London. *Environmental Capital Assessment of the Campi Flegrei Regional Park, southern Italy.*

Sara Helmes Cahan, Ph.D, Post-Doctoral Associate, Institut de Zoologie et d'Ecologie Animale, Universite de Lausanne, Switzerland • **Steven W. Rissing, Ph.D**, Director, Introductory Biology Program, Ohio State University. *The Fate of Interspecific Hybrids in an Ant Hybrid Zone, Arizona.*

Lee Dyer, Ph.D, Department of Ecology and Evolutionary Biology and the Stone Center for Latin American Studies, Tulane University • **Grant Gentry, Ph.D**, Researcher, La Selva Biological Station, Costa Rica. *Tropical Caterpillar Defenses Against Natural Enemies, Costa Rica.*

Donald P. Eaton, Ph.D Candidate, University of Nevada, Reno. *Conservation of Freshwater Invertebrates and Fishes in Brazil's Pantanal Wetlands.*

Douglas Eifler, Ph.D, Assistant Professor, Department of Biology, Haskell Indian Nations University, Lawrence, Kansas. *Ecology of the Desert Grassland Whiptail Lizard: Landscape Influences, Arizona.*

Gregory Ettl, Ph.D, Assistant Professor of Biology, St. Joseph's University, Pennsylvania. *Decline of Whitebark Pine in Crater Lake National Park, Oregon.*

Ralph J. Garono, Ph.D, Earth Design Consultants, Inc., Corvallis, Oregon • **David D. Bradsby**, Program Specialist, Water Resources Team, Texas Parks and Wildlife Department. *Restoration of a Chihuahuan Desert Wetland in Big Bend National Park: Using Invertebrates to Track Success, Texas.*

Timothy Graham, Ph.D, Ecologist, United States Geological Survey, Biological Resources Division, Moab, Utah. *Monitoring Protocols for Amphibians and Terrestrial (Riparian) Invertebrates in Salt Creek Canyonlands National Park, Utah.*

Martin Haigh, Ph.D, Professor of Geography, Oxford Brookes University, U.K. *Summer Sapling Survey, U.K.*

David Harper, Ph.D, Senior Lecturer in Ecology, University of Leicester, U.K. • **Ros Boar, Ph.D**, Senior Research Fellow, University of East Anglia, U.K. • **Tony Cook, Ph.D**, Director, Newton Field Centre, U.K. • **Tony Drane**, Independent Coleoptera Researcher, U.K. • **Mucaí Muchiri, Ph.D**, Moi University, Kenya • **Phil Hickley, Ph.D**, Head, National Coarse Fisheries Centre, The U.K. Environmental Agency • **Munir Virani, Ph.D**, Ornithologist, Peregrine Fund Kenya Project, Nairobi, Kenya. *Inside Lake Naivasha, Lake Bogoria, Lake Baringo and Hell's Gate National Park, Kenya.*

Dean Hendrickson, Ph.D, Curator of Ichthyology, Texas Memorial Museum, University of Texas Pickle Research Campus, Austin, Texas • **Francisco García de León, Ph.D**, Director, Jefe del Laboratorio de Zoología, Instituto Tecnológico de C. Victoria, México. *The Endemic Fishes of Cuatro Ciénegas, México.*

Ary Hoffman, Ph.D, La Trobe University, Australia • **Richard Woods, Ph.D**, (same institution). *Salinity Stress, Australia.*

Bob Johns, Ph.D, Royal Botanic Gardens, Kew, U.K. *European Botany Workshop, U.K.*

Susan Kephart, Ph.D, Professor of Biology, Willamette University, Oregon • **Heidi E. M. Dobson, Ph.D**, Professor of Biology, Whitman College, Washington • **Juan Arroyo, Ph.D**, Lecturer in Botany, University of Seville, Spain. *Pollinators and Breeding Patterns in Rare and Common Wildflowers, Oregon and Spain.*

Nobuo Kanzaki, Ph.D, Assistant Professor, Tokyo Noko University. *Wildpigs of Shimane, Shimane, Japan.*

Masaaki Koganezawa, Ph.D, Professor, Utsunomiya University, Japan. *Oze Wildflowers, Gunma, Japan.*

Jorge Leandro Leirana Alcocer, Lecturer in Ecology and Conservation Biology and Associated Lecturer in Tropical Resource Management of the Universidad Autónoma de Yucatán, México. *Conservation of Five Rare Species of Plants in Coastal Yucatán, México.*

Michael Loik, Ph.D, Research Scientist/Lecturer, Environmental Studies Department, University of California at Santa Cruz. *Plant Responses to Climate Change in the Western United States.*

Jim Loughry, Ph.D, Associate Professor of Biology, Valdosta State University • **Colleen McDonough, Ph.D**, Associate Professor of Biology, (same institution). *Behavioral Ecology of Nine-Banded Armadillos; Tallahassee, Florida.*

Michael Mahony, Ph.D, Senior Lecturer, University of Newcastle, Australia • **John Clulow, Ph.D**, (same institution). *Australia's Vanishing Frogs.*

Adriana Malvasio, Lecturer in Zoology, Tocantins State University; Ph.D Candidate, University of São Paulo, Brazil • **Divaldo Rezende**, Executive Director, Ecológica Assessoria Ltda., Tocantins State, Brazil; Ph.D Candidate, University of Hohenheim, Germany • **Paulo Ferreira**, Lecturer in Geology and Geomorphology, Tocantins State University, Ph.D Candidate, Federal University of Ouro Preto, Brazil • **Mariluce Rezende Messias**, Ph.D Candidate, Department of Zoology, State University of São Paulo, Brazil. *The Amazon Turtle Project, Brazil.*

Naoki Maruyama, Ph.D, Professor, Tokyo Noko University, Tokyo, Japan. *Sika Deer of Nikko National Park, Tochigi, Japan.*

Sumiko Matsumura, Ph.D, Assistant Professor, Yamaguchi University, Japan. *Bats of Iriomote National Park, Iriomote Island, Okinawa, Japan.*

Eric John Olson, Ph.D, Independent Researcher and Visiting Faculty, Boston University. *Seasonal Dynamics of Tropical Dry Forest Food Webs, Costa Rica.*

Hernán Ortega, Chair, Department of Ichthyology, Museum of Natural History; Professor, Department of Hydrobiology and Fisheries, Universidad Nacional Mayor de San Marcos, Lima, Peru • **Michael E. McClain, Ph.D**, Assistant Professor, Department of Environmental Studies, Florida International University, Miami. *The Diversity of Aquatic Organisms and Status of Aquatic Habitats in Rivers of the Andean Foothills in the Peruvian Amazon Basin.*

Alfred Oteng-Yeboah, Ph.D, Professor and Head of Botany Department, University of Ghana; Deputy Director General, Environment & Health Sector, Council for Scientific & Industrial Research, Ghana • **William Oduro, Ph.D**, Wildlife & Range Manager, Institute of Renewable Natural Resources, Kwame Nkrumah University of Science & Technology, Ghana. *Ecological Baseline Survey of the Wechiau Community Hippo Sanctuary, Ghana.*

David Paton, Ph.D, University of Adelaide, Australia. *Conserving the Coorong, Australia.*

Rolf O. Peterson, Ph.D, Professor of Wildlife Ecology, Michigan Technological University. *Moose-Wolf Ecology on Isle Royale, Michigan.*

Peter A. Quinby, Ph.D, Executive Director and Research Scientist, Ancient Forest Exploration and Research, Ontario, and Dean, Paul Smith College, New York. *Ontario Old-Growth White and Red Pine Forest Survey, Canada.*

Santiago Ron, Professor, Pontificia Universidad Católica del Ecuador • **Luis Coloma, Ph.D**, Curator, Museum of Zoology, and Professor, (same institution). *Population Status of Endangered Amphibian Species from the Ecuadorian Andes.*

Daniel I. Rubenstein, Ph.D, Professor and Chair, Department of Ecology and Evolutionary Biology, Princeton University, Princeton, New Jersey • **Cassandra Nunez, Ph.D**, Research Coordinator, Department of Ecology and Evolutionary Biology, Princeton University, Princeton, New Jersey • **Chris Thouless, Ph.D**, Chief Administrator, Lewa Conservancy, Kenya. *Lewa Downs Conservation, Kenya.*

Barbara Schrader, Ph.D, Assistant Professor, Department of Forest Resources, Oregon State University • **David Shaw, Ph.D**, Director, Wind River Canopy Crane Research Facility, University of

Washington. *Integrated Forest Research in a Threatened Ecosystem: The Willamette Valley Oak Woodlands, Oregon.*

Peter A. Scott, Ph.D, Scientific Coordinator, Churchill Northern Studies Centre. *Long Term Biodiversity at Treeline, Manitoba, Canada.*

Sally Silverstone, President, Tropic Ventures Education and Research Foundation; Vice President of Agriculture and Forestry, Global Ecotechnics Corporation • **Mark Nelson, Ph.D**, Chairman, Institute of Ecotechnics; Vice Chairman, Global Ecotechnics Corporation. *Tropic Ventures Rainforest Enrichment Project, Las Casas de la Selva, Patillas, Puerto Rico.*

Ian Tittley, Ph.D, Natural History Museum, U.K. Natural History Museum Botany Workshop, U.K. Athayde Tonhasca Jr., Ph.D, Professor, Universidade Estadual do Norte Fluminense, Rio de Janeiro, Brazil • **Gilberto Albuquerque, Ph.D**, Professor (same institution) • Jacqueline Blackmer, Ph.D, Entomologist, United States Department of Agriculture. *Effect of Atlantic Forest Fragmentation on the Species Composition and Abundance of Euglossine Bees in Desengano State Park, Brazil.*

Kevina Vulinec, Ph.D, Post-Doctoral Research Associate, University of Florida. *Monkeys, Beetles, and Seed Dispersal in the Amazon Basin, Brazil.*

David Westcott, Ph.D, University of British Columbia, Canada • **Andrew Dennis, Ph.D**, James Cook University of North Queensland, Australia. *Seed Dispersal in Australia's Tropical Rainforests: A Threatened Ecological Process.*

Inventory and Monitoring

Martin R. Cheek, D.Phil, Scientific Officer for West and Congolian Africa, Royal Botanic Gardens, Kew, U.K. • Barbara Mackinder, Higher Scientific Officer, (same institution) • **George Gosline**, Research Associate, (same institution) • **Benedict Pollard**, (same institution). *Cameroon Rainforests.*

Geoffrey Mwachala, Research Scientist, East African Herbarium, National Museums of Kenya • **Geoffrey Mungai**, Collection Manager (same institution) • **Beatrice Khayota, Ph.D**, Botanist in Charge (same institution). *Taita Hills Botanical Survey, Kenya.*

Mammalogy-Marine

Kenneth C. Balcomb III, Research Biologist and Executive Director, Center for Whale Research, Washington • **Astrid van Ginneken, Ph.D**, Research Assistant (same institution). *Long-term Studies of Killer Whale (*Orcinus orca*) Pods in Puget Sound, Washington.*

Peter Best, Ph.D, Senior Research Officer, Mammal Research Institute, University of Pretoria, South Africa. *The Diurnal Behaviour, Movements and Patterns of Association of Heaviside's Dolphins, South Africa.*

Ana Cañadas, Ph.D Candidate, Department of Zoology, University Autónoma of Madrid; ALNITAK Marine Environment Research and Education Center • **Ricardo Sagarminaga**, ALNITAK Marine Environment Research and Education Center • **Peter Evans, Ph.D**, Department of Zoology, University of Oxford, U.K. *Ecology of Common Dolphins in the Alboran Sea, Spain.*

B. Louise Chilvers, Ph.D, Post-Doctoral Researcher, School of Tropical Environmental Studies and Geography, James Cook University, Australia. *Conservation Biology of Bottlenose Dolphins in Southeast Queensland, Australia.*

Diane Claridge, Research Biologist, Bahamas Marine Mammal Survey • **Kenneth C. Balcomb III**, Research Biologist and Executive Director, Center for Whale Research, Washington. *Visual and Acoustic Survey of Bahamian Marine Mammal Species and Habitats, Bahamas.*

Randall W. Davis, Ph.D, Professor, Department of Marine Biology, Texas A&M University at Galveston. *Intra- and Inter-Annual Movements and Habitat-Associations of Sea Otters in Prince William Sound, Alaska.*

Paulo Flores, Ph.D Candidate, Instituto de Biociencias, Pontificia de Universidade Catolica do Rio Grande do Sul; Scientific Director, International Wildlife Coalition, Brazil • **Randall Wells, Ph.D**, Conservation Biologist, Chicago Zoological Society; Director, Center for Marine Mammal and Sea Turtle Research, Mote Marine Laboratory, Florida; and Vice President of Research, Dolphin Biology Research Associates, Inc., Florida. *Ecology and Conservation of the Marine Tucuxi Dolphin Sotalia fluviatilis, Brazil.*

Louis M. Herman, Ph.D, Director, Kewalo Basin Marine Mammal Laboratory, Hawaii and Professor, Department of Psychology, University of Hawaii • **Adam Pack, Ph.D**, Senior Research Coordinator (same institutions). *Intelligence and Communication in Dolphins, Hawaii.*

Louis M. Herman, Ph.D, Director, Kewalo Basin Marine Mammal Laboratory, Hawaii and Professor, Department of Psychology, University of Hawaii • **Adam Pack, Ph.D**, Senior Research Coordinator (same institutions). *The Age/Sex Composition and Residency Structure of Wintering Humpback Whales, Hawaii.*

Katherine S. LaCommare, Ph.D Candidate, Department of Biology, University of Massachusetts • **Caryn Self Sullivan**, Ph.D Candidate, Wildlife and Fisheries Sciences, Texas A&M University. *The Ecology and Behavior of Antillean Manatees, Belize.*

Delphine Legay, Ph.D Candidate, University La Sorbonne, France; Director, Ceta-Squale, Mauritius. *Dolphins and Whales of the Mauritian Waters: Research and Sensitisation, Mauritius.*

William Megill, Ph.D Candidate, Department of Zoology, University of British Columbia; Director, Coastal Ecosystems Research Foundation. • **David R. Jones, Ph.D**, Professor, Department of Zoology, University of British Columbia. *Grey Whales of British Columbia, Canada.*

John E. Reynolds, III, Ph.D, Professor of Marine Science, Eckerd College, Florida • **Teresa Kessenich**, Staff Biologist, Mote Marine Laboratory, Florida. *Residence Patterns and Habitat of Florida Manatees.*

Mark Satinet, Wiltshire Wildlife Trust. *Otter Survey, U.K.*

Randall S. Wells, Ph.D, Conservation Biologist, Chicago Zoological Society; Director, Center for Marine Mammal and Sea Turtle Research, Mote Marine Laboratory, Florida; and Vice President of Research, Dolphin Biology Research Associates, Inc., Florida • **Suzanne Hofmann**, Senior Biologist,

Mote Marine Laboratory, Florida. *Population Biology and Behavior of Atlantic Bottlenose Dolphins (Tursiops truncatus), Florida.*

Bernd Würsig, Ph.D, Professor, Marine Mammal Research Program, Texas A&M University, Galveston • **Rochelle Constantine, Ph.D**, School of Biological Sciences, University of Auckland, New Zealand • **Suzanne Yin**, Independent Researcher. *Behavioral Ecology of Dusky Dolphins, and an Investigation of Effects of Coastal Tourism Activities on their Populations in Kaikoura, New Zealand.*

Mammalogy-Terrestrial

Joe Benshemesh, Ph.D, Monash University, Australia. *Conservation Ecology of Itjari Itjari (Southern Marsupial Mole), Australia.*

Alan Birkett, Ph.D, Consultant and Honorary Fellow, Manchester Metropolitan University, UK. *Sweetwaters Black Rhino Project, Kenya.*

John J. Cox, Ph.D Candidate, University of Kentucky • **David S. Maehr, Ph.D**, Assistant Professor of Conservation Biology, (same institution) • **Jeffrey Larkin**, Ph.D Candidate, (same institution). *Elk Restoration in Southeastern Kentucky.*

Wolfgang P. J. Dittus, Ph.D, Research Associate, National Zoological Park, Smithsonian Institution, Washington D.C.; Director, Primate Biology Program, Institute of Fundamental Studies, Sri Lanka. *Behavior, Ecology and Epidemiology of Toque Macaques (Macaca sinica) of Sri Lanka.*

Luke Dollar, Ph.D Candidate, Center for Research and Conservation, Columbia University • **Stuart Pimm, Ph.D**, Professor of Conservation Biology, Center for Environmental Research and Conservation, Columbia University. *Carnivores of Madagascar.*

Ivona Foitova, DMV, Research Assistant, University of Veterinary Science, The Czech Republic. *Parasites and Natural Antiparasitics in Orangutan, Indonesia.*

Roger S. Fouts, Ph.D, Co-Director, Chimpanzee and Human Communication Institute, Central Washington University • **Deborah H. Fouts, Ph.D**, Co-Director (same institution). *Chimpanzee (Pan troglodytes) Behavior, Proximity, and Space Use in a Complex, Captive Environment, Washington.*

Mahesh K. Gurung, Ph.D Candidate, University of Illinois at Chicago • **Som Ale**, Conservation Officer, King Mahendra Trust for Nature Conservation, Nepal; ; Graduate Student, University of Tromsø, Norway. *Land of the Snow Leopard, Nepal Himalaya.*

Yadvendradev V. Jhala, Ph.D, Faculty/Scientist, Wildlife Institute of India. *Conservation Research for the Indian Wolf (Canis lupus pallipes), India.*

Alexine Keuroghlian, Ph.D Candidate, University of Nevada, Reno. *The Response of Peccaries to Seasonal Fluctuations in an Isolated Patch of Tropical Wetlands.*

Zhaoyuan Li, Ph.D, Institute of Wildlife, Southwest China Forestry University; Chinese Academy of Sciences • **Gang Hu**, Chinese Academy of Sciences. *Study on Socioecology of François' Langurs, Trachypithecus francoisi, South China.*

David Lindenmayer, Ph.D, Fellow, Centre for Resource and Environmental Studies, The Australian National University • **Chris MacGregor**, Research Officer, (same institution). *A Long Term Monitoring Program for the Conservation of Leadbeater's Possum, Australia*.

Carlos A. Lopez Gonzalez, Ph.D, Post-Doctoral Fellow, University of Denver, Colorado; Invited Researcher, Instituto de Ecología, México • **Mircea G. Hidalgo Mihart**, Instituto de Ecología, México. Alberto González Romero, Researcher (same institution). *The Small Carnivore Community of a Tropical Dry Forest in México*.

Mauro Lucherini, Ph.D, Zoologist, Mammal Behavioural Ecology Group, Universidad Nacional del Sur, Argentina • **Estela Luengos Vidal**, MSc student, (same institution) • **Diego Birochio**, Post-graduate student, (same institution) • **Claudia Manfredi**, MSc student, (same institution). *Carnivores and Conservation in an Endangered Argentinean Pampas Area*.

Laurie Marker, D.Phil Candidate, Wildlife Conservation Research Unit, University of Oxford, U.K.; Director, Cheetah Conservation Fund. *Cheetah Survival on the Namibian Livestock Farmlands*.

Gonzalo Medina Vogel, DVM, Ph.D, Assistant Professor, Instituto de Ecología y Evolución, Universidad Austral de Chile. *Ecology of southern river otter in the Toltèn Basin, South of Chile*.

Shusaku Minato, Ph.D, Director, Yamane Museum, Japan. *Dormouse of Yatsugatake, Yamanashi, Japan*.

Chris Newman, Ph.D, Wildlife Conservation Research Unit (WildCRU), Oxford University. *Mammal Monitoring in Wytham Woods, U.K.*

Roger Powell, Ph.D, Associate Professor, North Carolina State University • **Michael Mitchell, Ph.D**, Wildlife Ecologist, Auburn University, Alabama. *Conservation Biology of Mature Forest Species in the Southern Appalachian Mountains: Tests of the 'Management Indicator Species' Concept, North Carolina*.

Peggy Rismiller, Ph.D, Visiting Research Fellow, Department of Anatomy, University of Adelaide, South Australia and Senior Researcher, Pelican Lagoon Research and Wildlife Centre. *Kangaroo Island Echidnas and Goannas, Australia*.

Jeff Short, Ph.D, Senior Research Scientist, Division of Wildlife and Ecology, CSIRO, Australia • **Jacqui Richards**, Experimental Scientist, (same institution). *Re-establishment of Endangered Mammals on Mainland Australia*.

Naruki Takatsuki, Ph.D, Assistant Professor, Tokyo University, Japan. *Sika Deer of Kinkazan Island, Miyagi, Japan*.

Steve Turner, Managing Director, Savannah Camps and Lodges, Kenya • **Barbara McKnight, D.Phil**, Principal Investigator, Tsavo Elephant Research Project, Tsavo National Park, Kenya. *Tsavo Ecosystem, Elephant Population Survey, Kenya*.

Patricia C. Wright, Ph.D, Associate Professor of Anthropology, Department of Anthropology, and Director, Institute for the Conservation of Tropical Environments, State University of New York, Stony Brook. *Behavioral Ecology of Rain Forest Lemurs (*Propithecus diambema edwardsi*) in Ranomafana National Park, Madagascar*.

Marine Biology

Lilian Alessa, Ph.D, Assistant Professor, Departments of Biology and Education, University of Alaska
• **Norman McIntyre, Ph.D**, Associate Professor, Department of Leisure Studies, University of Waikato, New Zealand. *Coastal Ecology of British Columbia, Canada.*

Mark Eric Benbow, Ph.D, Assistant Professor, University of Dayton, Ohio • **Albert J. Burky, Ph.D**, Professor of Biology, (same institution) • **Carl M. Way, Ph.D**, Senior Program Manager, Barry A. Vitter & Associates, Inc. *The Impact of Human Development on Isolated Oceanic Island Streams, Hawaii.*

Andrew W. Bruckner, Ph.D, Coral Reef Ecologist, Office of Protected Resources, NOAA, Maryland • **Robin J. Bruckner**, Fisheries Biologist, Office of Habitat Conservation, NOAA, Maryland. *Coral Reef Deterioration, Puerto Rico.*

John A. Cigliano, Ph.D, Assistant Professor, Department of Biology, Cedar Crest College, Pennsylvania. *Ecology, Natural History, and Conservation Biology of Costa Rican Octopuses, Costa Rica.*

Ozeas de Silva Costa, Ph.D Candidate, Benthic Ecology Research Group, University of Plymouth. *Coral Reefs of the Grenadines, West Indies.*

Suzanne E. Dorsey, Ph.D, Assistant Professor, Biology Department, Salem College, North Carolina. *Coral Reef Fish Strive to Survive: The Greatest Egg Hunt of All, Barbados.*

Donna Dutton, Director of Field Operations, St. Croix Leatherback Recovery Project, U.S.V.I • **Peter Dutton, Ph.D**, Southwest Fisheries Science, National Marine Fisheries Service • **William Coles, Ph.D**, Endangered Species Coordinator, National Park Service, U.S.V.I. *Breeding Biology of the Leatherback Sea Turtle, St. Croix, U.S. Virgin Islands.*

Julia A. Horrocks, Ph.D, Senior Lecturer, Department of Biological and Chemical Sciences, University of the West Indies, Barbados • **Barry Krueger**, Field Director, Barbados Sea Turtle Project, Barbados. *Conservation of Engangered Sea Turtles in Barbados.*

Jose Victor Lopez, Ph.D, Assistant Scientist, Division of Biomedical Marine Research, Harbor Branch Oceanographic Institution, Ft. Pierce, Florida • **Luther Brown, Ph.D**, Director, Delta Center for Culture and Learning, Delta State University, Cleveland, Mississippi • **Danyelle Townsend**, Ph.D Candidate, Department of Cell Biology, University of Virginia Medical School. *Molecular Studies of Marine Biodiverstiy, Bahamas.*

Thomas A. McGrath, Professor of Biology, Corning Community College, New York • **Garriett W. Smith, Ph.D**, Associate Professor of Biology, University of South Carolina, South Carolina. *Long-term Study of Coral Bleaching on Reefs of San Salvador Island, Bahamas.*

Frank V. Paladino, Ph.D, Professor, Department of Biology, Purdue University, Indiana • **James R. Spotila, Ph.D**, Betz Chair Professor of Environmental Science, Department of Bioscience and Biotechnology, Drexel University, Pennsylvania • **Richard Reina, Ph.D**, Post-Doctoral Research

Fellow, (same institution) • **Walter Bien, Ph.D**, Research Assistant Professor, (same institution). *Leatherback Turtle Nesting Ecology and Physiology, Costa Rica.*

Jeffrey A. Seminoff, Ph.D, Archie Carr Center for Sea Turtle Research, Department of Zoology, University of Florida. *Movement and Feeding Ecology of the Black Sea Turtle (*Chelonia agassizii*) in Baja California, México*

Foster Smith, Ph.D, Dove Laboratory, Newcastle University, U.K. • Stewart Evans, Ph.D, (same institution). *Mapping the Marine Biodiversity of British Shores, U.K.*

Kathleen Sullivan Sealey, Ph.D, Professor, University of Miami, Florida • **Ruben E. Torres, Ph.D** Candidate, (same institution). *Caribbean Conch Fishery, Dominican Republic.*

Alan T. White, Ph.D, Deputy Chief of Party and C.R.M. Coordinator, Coastal Resource Management Project, The Philippines • **Patrick Christie, Ph.D**, Research Associate, University of Washington, School of Marine Affairs. *Saving Philippine Reefs: Coral Reef Surveys for Conservation in Batangas, Philippines.*

Joan Whittier, Ph.D, Senior Lecturer, Department of Anatomical Sciences, University of Queensland, Australia • **Kamarruddin Ibrahim, Ph.D** Candidate, (same institution). *Ecology and Management of Hatchling Production of Green Turtles, Malaysia.*

Ornithology

Peter J. Barham, Ph.D, Reader in Physics, University of Bristol, U.K. • **Leslie G. Underhill, Ph.D**, Director of Avian Demography Unit, University of Cape Town, South Africa • **Philip A. Whittington, Ph.D** Candidate, Department of Statistical Sciences, (same institution) • **Shaun Davis**, Heritage Resources Department, Robben Island Museum, South Africa • **Robert J. M. Crawford, Ph.D**, Principal Specialist Scientist, Marine and Coastal Management, Cape Town, South Africa. *Field Tests of New Bands for Penguins at Robben Island, South Africa.*

Constance Dustin Becker, Ph.D, Assistant Professor, Department of Biology, Kansas State University, Kansas. *Ecuador Cloud Forests: Seasonal Migrations of Neotropical Birds, Ecuador.*

Charles R. Blem, Ph.D, Professor of Biology, Virginia Commonwealth University • **Leann B. Blem**, Assistant Teaching Professor, University of Montana, Flathead Lake Biological Station. *Osprey (*Pandion haliaetus*) Nest Distribution and Reproductive Success in the Flathead Lake Catchment Basin, Western Montana.*

Donald J. Brightsmith, Ph.D, Research Director, Rainforest Expeditions; Research Associate, Duke University, North Carolina. *Macaw Conservation in the Tambopata-Candamo Reserve Zone: Evaluation of Tourism Impacts and Population Management Techniques, Peru.*

Reginaldo José Donatelli, Ph.D, Assistant Professor, Universidade Estadual Paulista, Brazil. *Birds and Dynamic Habitat Mosaics in the Pantanal, Brazil.*

Paul Haworth, Ph.D, Freelance Ecologist, U.K. *Eagles of Mull, U.K.*

Gábor Lövei, Ph.D, Danish Institute of Agricultural Science, Slagelse, Denmark • **Tibor Csörgö, Ph.D**, University Lecturer, ELTE Department General Zoology, Budapest, Hungary • **Leon Bennun, D.Phil**, Principal Research Scientist and Department Head, Department of Ornithology, National Museums of Kenya, Nairobi, Kenya • **Colin Jackson**, Research Associate, National Museums of Kenya; Centre Director, Mwamba Field Studies Centre, Kenya • **Sergio Scebba, MD**, Amateur Ornithologist, Gruppo Inanellamento Limicoli, Pozzuoli (Naples), Italy. *Population Trends of Migrant Passerines: Hungary, Italy, and Kenya.*

Ian Mitchell, Ph.D, Joint Nature Conservation Committee (JNCC), U.K. *Hebridean Seabird Survey, U.K.*

William D. Newmark, Ph.D, Department of Zoology, University of Dar Es Salaam, Tanzania, and Research Curator, Utah Museum of Natural History. *Impact of Tropical Forest Fragmentation on Bird Populations in the Usambara Mountains, Tanzania.*

David Westmoreland, Ph.D, Department of Biology, US Air Force Academy, Colorado. *The Paradox of the Easter Bunny: Understanding the Evolution of Bird Egg Coloration, Tahoe National Forest, California.*

Reuven Yosef, Ph.D, Director, International Birdwatching and Research Center, Israel; Adjunct Senior Lecturer, Ben-Gurion University, Negev • **Reuven Soloman, Ph.D**, Staff Scientist, International Birdwatching Center, Israel. *Soaring Birds of Eilat, Israel.*

Physical Sciences

Biogeochemistry

Andrew Russell, Ph.D, Lecturer in Physical Geography, Keele University, U.K. • **Fiona Tweed, Ph.D**, Lecturer, Staffordshire University, U.K. • **Ian Fairchild, Ph.D**, Professor of Earth Surface Processes, Keele University, U.K. • **Philip Marren, Ph.D**, Post-Doctoral Researcher, Keele University, U.K. • **Timothy Harris**, Lecturer in Physical Geography, Staffordshire University, U.K. *Glacier Outburst Floods, Glacier Surges and Sediment Transfer: Implications for Proglacial Environments, Iceland.*

Igor Taganov, D.Sc, D.Phys, Head of Research, Russian Geographical Society; Director, Center for International Environmental Initiatives, Russian Academy of Sciences. *Preserving Lake Baikal - Pollutant Inputs and Food Web Magnification, Siberia.*

J. Scott Turner, Ph.D, Associate Professor, College of Environmental Science and Forestry, State University of New York, Syracuse. *Ventilation in Colonies of Southern African Termites, South Africa.*

Hydrology

Wei-Zu Gu, Professor, Xi'an University of Technology and Nanjing Institute of Hydrology and Water Resources, China; Director, Chuzhou Institute for Modern Water Sciences; Senior Scientific Advisor, Russian State Hydrological Institute and Hydrology and Water Resources Survey of Tibet. *Ecohydrological Research for Ejin Basin, Inner Mongolia.*

Josef Krecek, Ph.D, Associate Professor, Institute of Applied Ecology, Agricultural University of Prague, The Czech Republic • **Zuzana Horicka**, Research Assistant, Department of Hydrobiology, Charles University, Prague, The Czech Republic. *Acid Rain: Rehabilitation of the Air Pollution Damaged Headwaters of North Bohemia, The Czech Republic.*

Jeffrey W. Niemitz, Ph.D, Professor and Chair, Department of Geology, Dickinson College, Carlisle, Pennsylvania. *Hydrogeology and Water Resources on San Salvador Island, Bahamas.*

Paleontology

Larry D. Agenbroad, Ph.D, Director, Quaternary Studies Program and Professor of Geology, Northern Arizona University. *Excavations at the Hot Springs Mammoth Site, South Dakota.*

Oscar Alcober, Ph.D, Professor of Paleontology, Universidad Nacional de San Juan and Curatorial Associate, Museo de Ciencias Naturales • **William Sill, Ph.D**, Research Professor (same institution) and Curator (same institution). *Triassic Park: The Origin of Dinosaurs, Argentina.*

Michael Archer, Ph.D, Australian Museum. *Riversleigh Fossils, Australia.*

Oscar Carranza Castañeda, Ph.D, Biology and Paleontology Faculty, Universidad Nacional Autonoma de Mexico • **Wade E. Miller, Ph.D**, Professor of Geology and Paleontology, Brigham Young University, Utah. *Fossils of Sierra Madre, Mexico.*

Oscar Carranza Castañeda, Ph.D, Biology and Paleontology Faculty, Universidad Nacional Autonoma de Mexico • **Wade E. Miller, Ph.D**, Professor of Geology and Paleontology, Brigham Young University, Utah. *Mexican Megafauna, Mexico.*

Josep Gibert Clois, Ph.D, Professor of Geology, University of Barcelona; Investigator, Dr. M. Crusafont Paleontological Institute, Spain • **Lluís Gibert Beotas, Ph.D** Candidate, Polytechnical University of Catalunya; Researcher, Dr. M. Crusafont Paleontological Institute, Spain. *Human Palaeontology in the Plio-Pleistocene deposits of the Orce region, Granada, Spain.*

Julia Sankey, Ph.D, Assistant Professor and Haslam Fellow, Department of Geology and Geological Engineering, South Dakota School of Mines and Technology. *The End of the Dinosaurs: Tracking Theropod Dinosaur Diversity in the Hell Creek Formation, North Dakota.*

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