



The Research Program at Earthwatch (formerly the Center for Field Research) reviews and recommends proposals for support by Earthwatch Institute (EWI). EWI sponsors field studies conducted worldwide by scholars working to investigate and/or conserve the Earth's physical, biological, and cultural heritage. Interested scholars should submit to Earthwatch 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 is not a-for-profit organisation. The fiscal year 2002 program is distributed as follows: Life Sciences 74%, Physical Sciences 8%, and Social Sciences 18%. We are pleased to announce that the following projects have been approved for EWI support in fiscal year 2002.

LIFE SCIENCES

MARINE SCIENCES

Kenneth C. Balcomb III, Executive Director and Research Biologist, Center for Whale Research, Washington • **Astrid van Ginneken, Ph.D.**, Assistant Professor of Medical Informatics, Erasmus University, the Netherlands. *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 Migrations and Behavior of Humpback and Southern Right Whales off the West Coast of South Africa.*

David J. Booth, Ph.D., Associate Professor, University of Technology, Sydney, Australia • **Giglia A. Beretta**, Ph.D Candidate, University of Queensland, Australia; Lecturer, Sydney Technical College. *Impacts of Human Disturbance on Coral Reef and Adjacent Ecosystems of the US Virgin Islands.*

Ana Cañadas, Ph.D Candidate, Department of Zoology, University Autónoma of Madrid; Sightings Coordinator, ALNITAK Marine Environment Research and Education Center, Spanish Cetacean Society • **Ricardo Sagarminaga**, Conservation Program Coordinator, ALNITAK Marine Environment Research and Education Center, Spanish Cetacean Society. *Spanish Dolphins: The Common Dolphin as a Tool for Designating Marine Protected Areas in the Spanish Mediterranean.*

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

James C. Crabbe, Ph.D., Professor of Protein Biochemistry; Head of the Division of Cell and Molecular Biology, University of Oxford. *Growth Rates and Recruitment Rates for Reef-Building Corals, Jamaica.*

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

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 • **Jeanne Alexander**, Independent Researcher • **William Coles, Ph.D.**, Endangered Species Coordinator, National Park Service, U.S.V.I. • **Peter Dutton, Ph.D.**, Southwest Fisheries Science, National Marine Fisheries Service • *Breeding Biology of the Leatherback Sea Turtle, St. Croix, U.S. Virgin Islands.*

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.*

Filippo Galimberti, Ph.D., Dipartimento di Biologia Animale, Universita degli Studi di Roma La Sapienza; Elephant Seals Research Group, Milano, Italy; Istituto di Ecologia Applicata • **Simona Sanvito**, Ph.D candidate, Department of Biology, Memorial University of Newfoundland, Canada. *Behavioral Ecology of Southern Elephant Seals (Mirounga leonina) of Sea Lion Island, Falkland Islands.*

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.*

Jose Victor Lopez, Ph.D., Assistant Scientist, Division of Biomedical Marine Research, Harbor Branch Oceanographic Institute, Florida • **Luther Brown, Ph.D.**, Director, Delta Center for Culture and Learning, Delta State University, Mississippi • **Danyelle Townsend, Ph.D.**, Department of Pharmacology, Fox Chase Cancer Center, Pennsylvania. *Molecular Studies of Marine Biodiversity, 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. *Long-term Study of Coral Bleaching on Reefs of San Salvador Island, Bahamas.*

Jonathan Nelson, Hubbs-Sea World Research Institute, California • **Scott A. Eckert, Ph.D.**, Senior Research Biologist, (same institute) • **Don Hunsaker II, Ph.D.**, President, The Environmental Trust; Research Fellow, Hubbs-Sea World Research Institute. *Ecology of the whale shark (Rhincodon typus) within Bahia de Los Angeles, Mexico.*

Frank V. Paladino, Ph.D., Professor of Biology, Purdue University, Indiana • **Richard Reina, Ph.D.**, Post-Doctoral Research Fellow, Drexel University, Pennsylvania • **James R. Spotila, Ph.D.**, Betz Chair Professor of Environmental Science, Department of Bioscience and Biotechnology, (same institution). *Leatherback Turtle Nesting Ecology and Physiology, Costa Rica.*

Vincent Pierbone, Ph.D., Assistant Professor, John B. Pierce Laboratory, Yale University School of Medicine; Adjunct Professor, The Rockefeller University of New York. *Identification of Novel Fluorescent Proteins from Pacific Coral Reef Animals, Great Barrier Reef, Australia.*

John E. Reynolds, III, Ph.D., Senior Scientist, Mote Marine Laboratory, Florida • **Teresa J. Kessenich**, Staff Biologist, (same institution). *Residence Patterns and Habitat of Florida Manatees.*

Carol Scarpaci, Ph.D Candidate; Lecturer, Victoria University of Technology, Australia • **Ian Baglieri**, Coordinator, Natural Resource Management, (same institution). *A Management Study of Dolphin-Swim Operations in Port Phillip Bay, Victoria, Australia.*

Jeffrey A. Seminoff, Ph.D., Post-Doctoral Fellow, Archie Carr Center for Sea Turtle Research, Department of Zoology, University of Florida • **T. Todd Jones**, M.Sc. Student, Florida Atlantic University. *Ecology of the Black Turtle (Chelonia mydas agassizii) at a temperate foraging area in the Gulf of California, México.*

Colin Speedie, MER Consultants Ltd., U.K. *Britain's Basking Sharks.*

Kathleen Sullivan Sealey, Ph.D., Associate Professor of Biology, University of Miami, Florida. *Coastal Ecology of the Bahamas Islands: Integrated Mapping of Land and Sea with a Look to Coastal Restoration and Protection.*

Kim Valentine, Ph.D Candidate, Portland State University. *Population Assessment of Dall's Porpoise (Phocoenoides dalli), Vancouver Island, British Columbia.*

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.*

Joan Whittier, Ph.D., Senior Lecturer, Department of Anatomical Sciences, University of Queensland, Australia • **Kamarruddin Ibrahim**, Ph.D Candidate, (same institution); Director, Marine Fishery Resources and Management Department, Southeast Asian Fisheries Development Center. *Ecology and Management of Hatchling Production of Green Turtles, Malaysia.*

Bernd Würsig, Ph.D., Director, Marine Mammal Research Program and Institute of Marine Life Sciences, Texas A&M University, Galveston • **Rochelle Constantine, Ph.D.**, Post-doctoral Researcher, School of Biological Sciences, University of Auckland, New Zealand • **Suzanne Yin**, Independent Researcher. *Dusky Dolphins: Effects of Tourism on Movements, Grouping and Vocal Repertoire, New Zealand.*

ECOLOGY & EVOLUTIONARY BIOLOGY

John Dover, Ph.D., Senior Lecturer in Applied Ecology, Staffordshire, University. *Bush Cricket and Butterflies, U.K.*

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

Claire A. Fuller, Ph.D., Assistant Professor, Department of Biology, Murray State University, Kentucky • **Paul C. Sikkel, Ph.D.**, Research Assistant Professor, (same institution). *The Role of Parasites in the Ecology of Reef Fishes and Termite Colonies, U.S. Virgin Islands.*

Mauro Galetti, Ph.D., Assistant Professor of Ecology, Universidade Estadual Paulista, Brazil • **Marco A. Pizo, Ph.D.**, Professor of Botany, (same institution) • **Alexander V. Christianini**, Researcher, (same institution). *Keystone Fruits and the Frugivores in the Pantanal, Brazil.*

Timothy B. Graham, Ph.D., Ecologist, United States Geological Survey, Biological Resources Division, Moab, Utah; Adjunct Faculty, Utah State University and Brigham Young University. *Monitoring Protocols for Amphibians and Terrestrial (Riparian) Invertebrates in Salt Creek Canyonslands National Park, Utah.*

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. • **Brooks Childress, Ph.D.**, Dept. of Biology, University of Leicester, U.K. • **Tony Cook, Ph.D.**, Director, Newton-in-the-Willows Field Centre, U.K. • **Tony Drane**, Freelance Ecologist, U.K. • **Phil Hickley, Ph.D.**, Head, National Coarse Fisheries Centre, The U.K. Environmental Agency • **Mucai Muchiri, Ph.D.**, Lecturer, Moi University, Kenya. *Inside Lake Naivasha, Lake Bogoria, Lake Baringo and Hell's Gate National Park, Kenya.*

Chris Joyce, Ph.D., Senior Lecturer in Environmental Geography, University of Brighton, U.K. *Restoring biodiversity to coastal wet grasslands in West Estonia.*

Susan Kephart, Ph.D., Professor of Biology, Willamette University, Oregon. *Pollinators and Breeding Patterns in Rare and Common Wildflowers, Oregon.*

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

Michael Mahony, Ph.D., Senior Lecturer, University of Newcastle, Australia. *Declining amphibians in eastern Australia.*

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, Deputy Director General, Environment and Health Sector, Council for Scientific & Industrial Research, Ghana • **Paul Beier, Ph.D**, Associate Professor of Conservation and Wildlife Ecology, Northern Arizona University • **William Oduro, Ph.D**, Wildlife and Range Manager, Institute of Renewable Natural Resources, Kwame Nkrumah University of Science and Technology, Ghana. *Ecological Baseline Survey of the Wechiau Community Hippo Sanctuary, Ghana.*

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

Barbara Schrader, Ph.D, Natural Resources Educator and Forest Ecologist, Department of Forest Resources, Oregon State University • **Ralph J. Garono, Ph.D**, Wetland and Watershed Assessment Group, Earth Design Consultants, Inc., Oregon. *Oregon Woodland and Wetland Ecosystem Research.*

Igor Taganov, Ph.D, Head of Research, Russian Geographical Society; Director, Center for International Environmental Initiatives, Russian Academy of Sciences. *Environmental Monitoring of Lake Baikal, Siberia.*

ZOOLOGY

Kyle G. Ashton, Ph.D, Post-Doctoral Vertebrate Ecologist, Archbold Biological Station, Florida. *Long-term Monitoring of Vertebrates at the Archbold Biological Station, with Special Emphasis on Gopher Tortoises, Florida.*

David Balfour, Regional Coordinator or Ecological Advice, KwaZulu-Natal Nature Conservation Service, Matubatuba, South Africa • **Owen Howison**, Scientist, (same institution). *Large Herbivore Census in Hluhluwe-Umfolozi Park, South Africa.*

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.*

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

Constance Dustin Becker, Ph.D, Assistant Professor of Natural Resources Management and Policy, Kansas State University, Kansas. *Ecuador Cloud Forests: Seasonal Migrations of Neotropical Birds, Ecuador.*

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

Charles R. Blem, Ph.D, Professor of Biology, Virginia Commonwealth University • **Leann B. Blem**, Assistant Teaching Professor, (same institution). *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; Professor of Tropical Ecology, The Organization of Tropical Studies, Costa Rica. *Macaw Conservation in the Tambopata-Candamo Reserve Zone: Evaluation of Tourism Impacts and Population Management Techniques, Peru.*

Sara Helmes Cahán, Ph.D, Post-Doctoral Associate, Institut de Zoologie et d'Ecologie Animale, Université de Lausanne, Switzerland • **Glennis E. Julian, Ph.D**, Post-Doctoral Research Fellow, University of Arizona • **Steven W. Rissing, Ph.D**, Professor of Evolution, Ecology and Organismal Biology, Ohio State University. *The Fate of Interspecific Hybrids in an Ant Hybrid Zone, Arizona.*

John J. Cox, Ph.D Candidate, Department of Forestry, University of Kentucky • **David S. Maehr, Ph.D**, Assistant Professor, (same institution) • **Nathan W. Seward**, M.Sc. 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.*

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

Lee Dyer, Ph.D., Department of Ecology and Evolutionary Biology, Tulane University • **Grant Gentry, Ph.D.**, Adjunct faculty and Postdoctoral Researcher, Center for Tropical Research, Mesa State College. *Tropical Caterpillar Defenses Against Natural Enemies, Costa Rica and Ecuador.*

Douglas A. Eifler, Ph.D., Assistant Professor, Environmental Sciences Program, Haskell Indian Nations University, Kansas. *Ecology of the Desert Whiptail Lizard: Landscape Influences, Arizona.*

Roger S. Fouts, Ph.D., Professor of Psychology; Co-Director, Chimpanzee and Human Communication Institute, Central Washington University • **Deborah H. Fouts, Ph.D.**, Adjunct Assistant Professor of Psychology; Co-Director, Chimpanzee and Human Communication Institute, (same institution) • **Mary Lee Jensvold, Ph.D.**, Adjunct Faculty, Primate Behavior and Ecology Program, (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.*

John W. Laundré, Ph.D., Assistant Research Professor, Department of Biology, Idaho State University; Visiting Researcher, Instituto de Ecología, Veracruz, México • **Lucina Hernandez, Ph.D.**, Visiting Researcher, Department of Biological Sciences, University of Illinois, Chicago. *Long Term Population Dynamics of Mountain Lions in Fragmented Habitats, Idaho and México.*

Keith Leggett, Ph.D., Project Manager and Principal Researcher, Northwest Namibia Elephant and Giraffe Project, Namibia • **Julian Fennessy**, Ph.D Candidate, University of Sydney; Ecological Consultant, Department of International Development, Namibia. *A Scientific and Conservancy Approach Towards Sustainable Use Management of Elephants and Giraffe in Northwest Namibia.*

Alison J. Leslie, Ph.D., Researcher and Lecturer, Department of Nature Conservation, University of Stellenbosch, South Africa • **J. Hannes van Wyk, Ph.D.**, Associate Professor, Department of Zoology, (same institution). *Ecology, Physiology and Conservation of the Nile Crocodile (Crocodylus niloticus), a Keystone Species in the Okavango Swamps, Botswana.*

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

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.*

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

Mauro Lucherini, Ph.D., Mammal Behavioral Ecologist; GECM Executive Director; IUCN Cat and Canid Specialist Groups • **Estela Luengos Vidal**, MSc student, Universidad Nacional del Sur, Argentina • **Diego Birochio**, Post-graduate student, (same institution) • **Claudia Manfredi**, Ph.D candidate, (same institution). *Carnivores and Conservation in an Endangered Argentinean Pampas Area.*

Laurie Marker, Ph.D candidate, Wildlife Conservation Research Unit, University of Oxford, U.K.; Executive 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 Toltén Basin, South of Chile.*

Alistair Melzer, Ph.D., Director, Centre for Environmental Management and Koala Research Centre for Central Queensland • **William Ellis, Ph.D.**, Senior Research Officer, Koala Study Program, University of Queensland, Brisbane. *Ecology of Koalas on St. Bees Island, Queensland, Australia.*

Eric John Olson, Ph.D., Lecturer in Ecology and Conservation Biology, Wellesley College. *Seasonal Dynamics of Tropical Dry Forest Food Webs, Costa Rica.*

Bruce Patterson, Ph.D., MacArthur Curator of Mammals, Field Museum of Natural History, Chicago • **Roland Kays, Ph.D.**, Curator of Birds and Mammals, New York State Museum • **Samuel Kasiki, Ph.D.**, Scientist In-Charge, Tsavo National Parks, Kenya. *Ecology and Behavior of Maneless Lions in Arid Rangelands of Kenya.*

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

Roger A. Powell, Ph.D., Associate Professor, Department of Zoology, North Carolina State University • **Michael Mitchell, Ph.D.**, Wildlife Ecologist, School of Forestry and Wildlife Sciences, 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; Senior Researcher, Pelican Lagoon Research and Wildlife Centre. *Kangaroo Island Echidnas and Goannas, Australia.*

Daniel I. Rubenstein, Ph.D., Professor and Chair, Department of Ecology and Evolutionary Biology, Princeton University, New Jersey • **Belinda Low**, Lewa Conservancy Field Director, Earthwatch Institute. *The Merits of Kenya's Lewa Conservancy and its Endangered Grevy's Zebras.*

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.*

Leandro Silveira, Ph.D Candidate, University of Brasilia. *Jaguar Population Ecology in a Seasonally Flooded Environment, Brazil.*

Van Lien Vu, Researcher, Vietnam Russia Tropical Center, Hanoi, Vietnam. *Survey of Butterfly Fauna of Tam Dao National Park, Vietnam: Using Butterflies as an Ecological Indicator of Habitat Disturbance.*

Kevina Vulinec, Ph.D., Assistant Professor of Wildlife Biology, Department of Natural Resources, Delaware State University. *Dung Beetles, Monkeys and Seed Dispersal in the Amazon Basin, Brazil.*

Helen Francine Waldemarin, Ph.D candidate at Universidade do Estado do Rio de Janeiro, Brazil. *Habitat requirements for Neotropical river otter (*Lontra longicaudis*) and Giant otter (*Pteronura brasiliensis*) in an area of sympatry, the Pantanal, Brazil*

Jane Waterman, Ph.D., Assistant Professor, University of Central Florida • **James Roth, Ph.D.**, Research Assistant Professor, (same institution). *The Social Complexities of an Asocial Species: Play in Adult Polar Bears (*Ursus maritimus*), Manitoba, Canada.*

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 diamdema edwardsi*) in Ranomafana National Park, Madagascar.*

Leonard Charles Yannielli, Associate Professor of Biology, Naugatuck Valley Community College • **Francisca Massardo, Ph.D.**, Associate Researcher, Ethnobotanical Park Omora; Woody Native Plant Propagation Program, Institute of Ecological Research, Chile • **Ricardo Rozzi**, Associate Researcher, Ethnobotanical Park Omora; Ecological Education Program, Institute of Ecological Research, Chile. *Conservation in the Austral Forests of Chile: Comparative Habitats for the Chilean Rufous-legged Owl.*

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

PLANT SCIENCES

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

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

Ary Hoffman, Ph.D, Professor, La Trobe University, Australia • **Richard Woods, Ph.D**, Executive Director, CESAR, (same institution). *Developing Sensitive Biological Indicators of Environmental Salinity Stress, Australia.*

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

Naoki Maruyama, Ph.D, Professor, Laboratory of Wildlife Conservation, Department of Ecoregion Science, Tokyo Noko University, Japan. *Surveying the Changes of Animal Community Attributed to the Patch Replacement of Erman's Birch at Nikko's Mongolian Ork Forest, Japan.*

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.*

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, Collections Leader, Botany, Natural History Museum, U.K. *Natural History Museum Botany Workshop, U.K.*

David Westcott, Ph.D, Research Scientist, CSIRO Sustainable Ecosystems Tropical Forest Research Centre, Australia • **Andrew Dennis, Ph.D**, Post-Doctoral Fellow, (same institution). *Seed Dispersal in Australia's Tropical Rainforests: A Threatened Ecological Process.*

CONSERVATION BIOLOGY

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.*

Paul Haworth, Ph.D, Freelance Ecologist; Research Associate, Manchester Metropolitan University. *Eagles of Mull, U.K.*

Dean A. Hendrickson, Ph.D, Curator of Ichthyology, Texas Natural History Collections, University of Texas • **Francisco J. García de León, Ph.D**, Director, Jefe del Laboratorio de Zoología, Instituto Tecnológico de Ciudad Victoria, México. *The Endemic Fishes of Cuatro Ciénegas, México.*

W. Gregory Hood, Ph.D, Restoration Ecologist, Skagit System Cooperative • **John Klochak**, Senior Restoration Ecologist, (same institution) • **Steve Hinton**, Director of Restoration, (same institution). *Estuarine Habitat Restoration Monitoring in the Skagit Delta, Washington State.*

Julia A. Horrocks, Ph.D, Senior Lecturer, Department of Biological and Chemical Sciences, University of the West Indies, Barbados • **Barry Krueger**, Project Coordinator, Master's student, University of the West Indies, Cave Hill. *Conservation of Endangered Sea Turtles in Barbados.*

Sean E. Jenkins, Ph.D, Director, Alice L. Kibbe Life Science Station; Assistant Professor of Plant Ecology, Department of Biological Sciences, Western Illinois University • **Richard V. Anderson, Ph.D**, Professor of Aquatic Biology, Department of Biological Sciences, (same institution) • **Michael A. Romano, Ph.D**, Professor of Genetics and Herpetology, (same institution) *Long-Term Riparian and Aquatic Ecosystem Monitoring Projects on the Upper Mississippi River, Illinois.*

Naoki Kamezaki, Ph.D, Director, Sea Turtle Association of Japan • **Tetsuya Kondo**, Researcher, Ogasawara Marine Center, (same institution). *Surveying the Ecology of Endangered Ogasawara's Sea Turtles to Apply the Conservation Strategy, Japan.*

Alexine Keuroghlian, Ph.D Candidate, University of Nevada, Reno. *The Response of Peccaries to Seasonal Fluctuations in the Pantanal of Rio Negro, Brazil.*

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

Ramona Maraj, Ph.D Candidate, University of Calgary, Alberta. *Evaluating the Ecological Consequences of Land-Use Options on Grizzly Bear Habitat in the Southwest Yukon, Canada.*

Naoki Maruyama, Ph.D, Professor, Laboratory of Wildlife Conservation, Department of Ecoregion Science, Tokyo Noko University, Japan. *Surveying Habitat Density Distribution of Eurasian Wild Pig of Southern Izu Peninsula, Japan.*

Shusaku Minato, Ph.D, Director, Dormouse Museum of KEEP, Japan. *Ecological Survey of Forest of Japanese Dormouse to Present the Conservation Method of Dormouse.*

Chris Newman, Ph.D, Mammal Monitoring Co-ordinator, Wytham Woods Focal Site/WildCRU, Oxford University. *Mammal Monitoring in Wytham Woods, U.K.*

David Paton, Ph.D, Lecturer and Researcher, University of Adelaide, Australia. *Biological Monitoring of the Coorong, Southern Australia.*

Mark Satinet, Otters and Rivers Project Officer, Wiltshire Wildlife Trust, U.K.. *Otter Survey, U.K.*

Kazuo Wada, Ph.D, Chairman, Wildlife Conservation Society, Japan. *The Condition of Japanese Macaques' Group Number, Size and Harm Done to Farmland of Monkeys Distributed in Osumi Peninsula.*

PHYSICAL SCIENCES

EARTH SCIENCES

Wei-Zu Gu, Professor, Xi'an University of Technology and Nanjing Institute of Hydrology and Water Resources, China. *Ecological 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, The Czech Republic. *Acid Rain: Rehabilitation of the Air-Pollution-Damaged Headwaters of North Bohemia, The Czech Republic.*

Jon Riedel, PhD candidate in Earth Science at Simon Fraser University, British Columbia; Geologist, National Park Service, United States • **Robert Burrows**, Physical Science Technician, National Park Service • **Jeannie Probala**, Physical Science Technician, (same institute). *North Cascades Glacier Project, Washington state.*

Andrew Russell, Ph.D, Lecturer in Physical Geography, Keele University, U.K. • **Fiona Tweed, Ph.D**, Lecturer in Physical Geography, 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.*

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; Curator, Paleontology Division, Museo de Ciencia Naturales, Argentina • **Ricardo Martínez**, Collections Manager and Curatorial Associate, (same institutions) • **Guillermo Heredia**, Curatorial Associate, (same institutions). *Triassic Park: The Origin of Dinosaurs, Argentina.*

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

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.*

Marilyn D. Wegweiser, Ph.D., Assistant Professor of Geology, Ball State University; Adjunct Curator of Vertebrate Paleontology, Cincinnati Natural History Museum. *Digging Up Dinosaur Dirt in the Late Cretaceous: A Rare Paleontological Treasure from the Campanian Meeteetse Formation of Northern Wyoming.*

Martin Whyte, Ph.D., Senior Lecturer, Sheffield University, U.K. • **Michael Romano, Ph.D.**, Senior Lecturer, (same institution). *Dinosaur Footprints, U.K.*

PLANETARY & ATMOSPHERIC SCIENCES

Donald E. Casperson, Ph.D., Technical Staff Member, Space and Remote Sensing Science, Los Alamos National Laboratory, New Mexico • **Galen R. Gisler, Ph.D.**, Technical Staff Member, Institute for Nuclear and Particle Astrophysics and Cosmology, (same institution) • **Todd J. Haines, Ph.D.**, Technical Staff Member, Neutron Science and Technology, (same institution). *Transient Phenomena in Astrophysics, New Mexico.*

CLIMATE CHANGE

Peter A. Scott, Ph.D., Scientific Coordinator, Churchill Northern Studies Centre, Manitoba, Canada • **G. Peter Kershaw, Ph.D.**, Disturbance Ecologist, University of Alberta, Canada. *Long Term Biodiversity at Treeline, Manitoba, Canada.*

SOCIAL SCIENCES

ARCHAEOLOGY

Francis Allard, Ph.D., Research Associate, Department of Anthropology, University of Pittsburgh; Visiting Lecturer, Department of Sociology and Anthropology at Youngstown State University, Ohio. *The Khanuy Valley International Collaborative Project on Early Nomadic Pastoralism in Mongolia.*

Heather Atherton, Ph.D candidate, Columbia University, New York • **Nan Rothschild, Ph.D**, Ann Whitney Olin Professor, Barnard College, New York. *The San Jose de las Huertas Archaeological Project, New Mexico.*

Paul T. Bidwell, Principal Keeper of Archaeology, Tyne and Wear Museums Service, U.K. • **Nicholas Hodgson, Ph.D**, Senior Keeper of Field Archaeology and Archaeological Projects Manager, (same institution) • **Graeme Stobbs**, Archaeological Supervisor, (same institution). *Arbeia Roman Fort Excavation, South Shields, U.K.*

Kenneth P. Cannon, Ph.D Candidate, Department of Geography, University of Nebraska-Lincoln; Park Archeologist, the National Park Service's Midwest Archeological Center, Nebraska. *The Role of Bison in the Ecology and Economy of Prehistoric Jackson Hole, Wyoming.*

James A. Chiarelli, Ph.D candidate, Department of Anthropology, Brandeis University, Massachusetts; Archaeology Program Director, Earthwatch Institute, Massachusetts • **Michael K. Trimble, Ph.D**, Chief of Curation and Archives Analysis, U.S. Army Corps of Engineers' Center of Expertise for the Curation and Management of Archaeological Collections • **Nicola J. Longford**, Missouri Historical Society. *Sugar and Slavery: Historical Archaeology at Coconut Walk Estate, Nevis, West Indies.*

George M. Crothers, Ph.D, Director, William S. Webb Museum of Anthropology and Office of State Archaeology, University of Kentucky • **Robert H. Ward**, Cultural Resource Specialist, Mammoth Cave National Park, National Park Service. *Inventory of Cultural Resources in Mammoth Caves, Kentucky.*

Ivan Ghezzi, Ph.D Candidate, Yale University; Assistant Professor of Archaeology, Pontificia Universidad Católica del Perú. *Social and Political Diversity in the Early Horizon: Extensive Excavations at San Diego, Perú.*

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. *Human Paleontology in the Plio-Pleistocene Deposits of the Orce Region, Granada, Spain.*

Charles F. W. Higham, Ph.D, Professor of Anthropology at the University of Otago, New Zealand • **Rachanie Thosarat, Ph.D**, Research Scientist, Thai Department of Fine Arts. *The Origins of Angkor, Thailand.*

William F. Keegan, Ph.D, Curator of Caribbean Archaeology, Florida Museum of Natural History; Professor of Anthropology, University of Florida. *Archaeology in Paradise, Paradise Park, Jamaica.*

Karl W. Laumbach, Associate Director of Research and Public Education, Human Systems Research, Inc., New Mexico • **Dennis A. O'Toole, Ph.D**, President, Treasurer and Co-Founder, Cañada Alamosa Institute, Inc., New Mexico. *Prehistoric Peoples of the Rio Alamosa, New Mexico.*

Roger D. Martlew, Ph.D, Lecturer in Archaeology, University of Leeds, U.K. *In Search of the Ancient British Kingdom of Craven, N. Yorkshire, U.K.*

Fidelis T. Masao, Ph.D, Senior Lecturer, Anthropology, Open University, Tanzania • **Chedeil Msuya**, Senior Conservator, Department of Antiquities, National Museums of Kenya, Dar es Salaam. *Salvage and Conservation of The DK Site, Olduvai Gorge, Tanzania.*

Betty Jo Mayeske, Ph.D, Adjunct Professor of History and Chair of Humanities, University of Maryland • **Robert L. Vann, Ph.D**, Professor of Architecture, (same institution) • **Robert I. Curtis, Ph.D**, Professor of Classics, University of Georgia. *Patterns of Daily Life Associated with Food and Drink in Ancient Pompeii, Italy.*

Mario A. Rivera, Ph.D, Research Associate, The Field Museum of Natural History, Chicago, and Universidad Arturo Prat, Iquique, Chile. *Studying the Achievement of Social Complexity in the South Central Andes: Archaeological Excavations at Pisagua, Coastal Northern Chile.*

Christopher M. Stevenson, Ph.D, Capital Region Preservation Office Archaeologist, Virginia Department of Historic Resources. *Frontier Forts of Virginia: Colonial-Native American Interaction at Ft. Christanna, Virginia.*

William H. Waldren, Ph.D, Founder and Director, Deya Archaeological Museum and Research Center, Spain and Research Fellow, Baden-Powell Quaternary Research Centre, Oxford University, U.K. *Balearic Prehistoric Peoples and Societies: A 30 Year Multidisciplinary Study, Mallorca, Spain.*

Mihail Zahariade, Ph.D, Senior Researcher, The Romanian Institute of Thracology, Bucharest, Romania. *Environment and History: Natives and Romans at the Lower Danube and the Black Sea, Romania.*

CULTURAL ANTHROPOLOGY

Sheila Chmuhalek, Ph.D., Assistant Professor, University of Manitoba • **Virginia Wimberley, Ph.D.**, Assistant Curator, The Alabama State Museum of Natural History; Associate Professor, University of Alabama. *Colors from the North Country, Manitoba, Canada.*

Edward Liebow, Ph.D., Director, Environmental Health and Social Policy Center; Affiliate Associate Professor of Anthropology, University of Washington. *Fishing the Skagit: Portrait of a Watershed.*

ARCHITECTURE

Peter K. Bol, Ph.D., Professor of Chinese History, Chair of Department of East Asian Languages and Civilizations, and Director of the National Resource Center for East Asia, Harvard University. *Lineage Houses, Landscapes, and Local History in China.*

PUBLIC HEALTH

Anne-Reet Ilves Annunziata, Ph.D, R.D., Lecturer, and Research Associate, Tufts University School of Nutrition Science and Policy; Consultant, Estonian Ministry of Social Affairs. *Estonian Young Child Health and Nutrition Status Survey.*

Nithya Balaji, Executive Trustee, Nalamdana • **R. Jeevanandham**, Trustee and Project Director, Nalamdana • **Uttara Bharath**, Trustee and Technical Advisor, (same institution); Deputy Chief of Party, Zambia Field Office of Zambia Integrated Health Project, Johns Hopkins Center for Communication Program. *Food for Thought: Assessment of Preventive Health Education, India.*

Phyllis Jansyn, Research Fellow, Health in Housing Center, State University of New York, Buffalo. *Health in Housing Parasite Project, Cameroon.*

SUSTAINABLE DEVELOPMENT

Robert E. Manning, Ph.D., Professor and Chair, School of Natural Resources, University of Vermont • **Peter Newman**, Ph.D Candidate, (same institution). *National Parks Survey, Acadia National Park.*

William Roger Van De Berg, Ph.D Candidate, Ecological and Environmental Anthropology Program, University of Georgia. *River Tourism in Nepal: A Social, Environmental and Economic Assessment, India.*