November - December 2001 Issue 2

Newsletter of the IBOY

DIVERSITAS – International Biodiversity Observation Year 2001-2002

Content:

Feature Stories	1-3
Publications an Presentations	d 3-4
Upcoming Meetings	4-6
Upcoming Field Expeditions	6-7
Funding and Service Opportunities	7-8
Awards	8
From the Secretariat	9
Recent Activities	s 9

Wealth of new species discovered from the abyssal plains of the Atlantic Ocean

Preliminary findings from an expedition last year to the deep-sea of the Angola Basin are revealing a wealth of new information on biodiversity in the poorly known depths of the south Atlantic Ocean. The early results from the project Latitudinal Gradients in the Deep Sea of the Atlantic Ocean: DIVA were presented at a workshop at the University of Oldenburg, Germany, on September 18, 2001. The results were the first reports from a team of 39 taxonomists from Germany, Russia, Spain and the USA who have been collaborating to collect and describe fauna from an expedition in June 2000 to survey deep-sea organisms along a 700km transect, at a depth of 5000m, in the Angola Basin.

One of the project leaders, Dr. Wolfgang Wägele of Ruhr-Universität Bochum, Germany, said the preliminary findings



Research Vessel Meteor

presented in September's workshop reveal a large number of new species from this remote and inaccessible habitat. For example, of 38 Cumacea (small crustaceans, 1 - 10 mm in size) 22 are new species, and up to 90% of the copepods (an extremely diverse group of small crustaceans) are new. A number of new Loricifera species have

- cont. pg 2

First global-scale assessment of biodiversity beneath our feet

During November and December scientists at 32 sites in 20 countries will gather field collections as part of a global experiment to survey biodiversity in litter (the layer of plant debris on the soil surface) and its role in an important ecosystem function, decomposition. As part of the Global Litter Invertebrate Decomposition Experiment (GLIDE), last August and September the researchers placed mesh bags of leaf litter on the ground of diverse ecosystems, from tropical to boreal forests, and from to savannahs to arctic tundra. Over the next two months they will retrieve a subset of these bags for analysis of global patterns of decomposition and the species involved.

The Chair of GLIDE, Dr. Diana Wall of Colorado State University, USA, expects the study to significantly advance understanding of large-scale distributions of fauna that dwell in soil and litter. Even at small scales, biodiversity in soils and litter is poorly known. There is not one experimental plot, anywhere in the world, for which all species of soil and litter fauna have been described. The dearth of information on belowground species is partly because of their sheer abundance and diversity. "The species diversity of fauna in litter and soil is likely to be orders of magnitude greater than the more familiar biodiversity aboveground," says Wall. "Furthermore, there may be

New species discovered (cont.)

also been identified. These are very small invertebrates which, although are now known to be speciose, were for a long-time overlooked with the phylum described only in 1983.

In addition to yielding new species and confirming the diversity of deep sea life, the material collected is helping clarify aspects of the life cycles of these organisms and will provide new information on the species' distributions. At first sight, the abyssal plains look relatively uniform, but *DIVA*'s closer examination is revealing large differences in the structure of the sediments and the composition of the fauna. "We are finding that different groups dominate at different sites and that several species are very rare, with only one specimen collected during the entire expedition," said Wägele. The rare species are, for example, from the genera *Acanthaspidia, Mesosignum, Munna, Storthyngura*

(small crustaceans related to woodlice). The factors influencing these differences will only be identified when all relevant data are available. Dr. Wägele estimates that this will take approximately two years, and maybe longer for the more speciose groups. A meeting of all participants is being planned for 2002, to summarize the preliminary observations.

More Information on *DIVA* see http://www.ruhr-unibochum.de/spezzoo/diva1.html and http://www.nrel.colostate.edu/IBOY/whatandwhere.html#DIVA

Contact:

Dr. J. Wolfgang Wägele, Gebaude ND 05/755, 44780 Bochum, Germany. Tel: (+49) (0) 234 32 24998 + 24563; Fax: (+49) (0) 234 32 14114; email: wolfgang.waegele@ruhr-uni-bochum.de

Meetings launch international program to protect food security and conserve biodiversity

Across the world local networks of researchers, development workers and farmers are joining forces in October and November 2001 to launch an innovative project to protect food security and incomes of the world's rural poor, and at the same time, help conserve biodiversity. The project, supported by the International Fund for Agricultural Development (IFAD, a Rome-based UN Organization) and the International Plant Genetic Resources Institute (IPGRI, also headquartered in Italy) will help farmers improve and conserve local, traditional crops which are being lost as they are overlooked by major international research and development programs.

A series of international meetings are launching the project. Some meetings will be held in November at Chennai, India, and at Katmandu, Nepal, to review the framework of activities on minor millets, such as finger millets and Italian millets, in a number of pilot sites across the countries. Last month, meetings were held in El Arish, Egypt, and San'a, Yemen, to review the details of a work plan developed in conjunction with local communities to enhance the use of medicinal and aromatic plants. Concurrent workshops in La Paz, Bolivia, Ibarra, Ecuador, and Lima, Peru, finalized the details for planned research activities on Andean cereals such as quinoa and amaranth.

Dr. Stefano Padulosi is coordinating the project from IPGRI's Regional Office of Aleppo, Syria. He describes the innovative way the project simultaneously addresses

multiple, but interrelated, problems faced by the world's rural poor, "This work is the very first effort at a global level to cover food security in an entirely new approach, focusing on local nutritious crops and making farmers active players and not just recipients of research outputs. The action will be in the field, where scientists and rural communities will work together in surveying and selecting varieties of these neglected crops. Their seeds will then be multiplied and distributed to farmers along with new technologies for their better cultivation and use. Community-based actions will include the establishment of small processing units that will create added-value opportunities for marketing these crops."

After the first year of this three-year project, researchers and collaborating farmers hope to, among other things, achieve a better understanding of the diversity across the geographic range of these crops, safeguard genotypes particularly those under threat of genetic erosion, identify superior local varieties for crop enhancement, improve knowledge of market potentials of target crops, and disseminate low cost technology for enhancing their use.

More information on *Conserving and Increasing Use of Neglected and Underutilized Crop Species* see http://www.nrel.colostate.edu/iboy/how_conserve.html#nus

Contact:

Dr. Stefano Padulosi, IPGRI Regional Office for Central & West Asia and North Africa, c/o ICARDA, P.O. Box 5466, Aleppo, Syria. Tel: (+963) 21 223 1412, Fax: (+963) 21 221 3490, Email: s.padulosi@cgiar.org

Biodiversity beneath our feet (cont.)

hundreds of species and thousands of individuals in a handful of soil or litter. Collecting and identifying such large numbers of species poses an enormous challenge to soil taxonomists." Additionally, Wall explains, the majority of these species are not visible to the naked eye since they live in dark underground habitats and many are microscopic. As a result, it is estimated that for many soil and litter taxonomic groups less than 10 percent of species have been described scientifically.

Despite limited knowledge about the identity of individual species of soil and litter biota, soil biologists know that assemblages of the species play crucial roles in the functioning of ecosystems, including decomposing organic matter and recycling nutrients to the soil. However, lack of information on how the identity and diversity of species varies across habitats and influences ecosystem processes limits scientists' ability to assess how changes in habitats, for example associated with deforestation and climate change, may alter communities of litter fauna and vital ecosystem processes.

"The enormous resources required to survey belowground biodiversity has prohibited assessments across multiple biomes in the past," Wall explains, but she and her colleagues are utilizing creative approaches to make this first global scale assessment of litter biodiversity possible. Firstly, they are benefiting from the participation of established international networks that provide extensive geographical coverage, baseline data, expertise and infrastructure. Participating networks include the Canadian Intersite Decomposition Experiment Team (CIDET), International Long-Term Ecological Research (ILTER) program, Long-Term Intersite Decomposition Experiment Team (LIDET) and the Tropical Soil Biology and Fertility (TSBF) program. Secondly, they will utilize state of the art technology, called *BioTrack*, to accelerate taxonomic identification of the tens-of-thousands of individuals they expect to find. *BioTrack*, directed by *GLIDE* Co-Chair Dr. Mark Dangerfield at Maquarie University Australia, scans each specimen and creates a high resolution image. Computer software then compares the image with a 'virtual collection' to provide a match and identify the specimen. Thirdly, all of the scientists participating in the project are volunteering their time to place the litterbags in the field and collect them.

The researchers expect that within a year *GLIDE* will yield unprecedented data on the animals involved in various stages of litter decomposition across different biomes and latitudes. This information will help answer important questions such as how significant the high diversity of litter fauna is for the functioning of ecosystems and how it is influenced by the environment.

More Information on the IBOY Project *Global Litter Invertebrate Decomposition Experiment (GLIDE)* see http://www.nrel.colostate.edu/projects/glide/ and http://www.nrel.colostate.edu/IBOY/goods_services.html#bignell

More Information on BioTrack see (http://biotrack.mq.edu.au/index.htm

Contact: Dr. Diana Wall, Natural Resource Ecology Laboratory, Colorado State University, Fort Collins, CO 80523-1499, USA. Tel; (+1) 970 491 2504; Fax: (+1) 970 491 3945; email: Diana@nrel.colostate.edu

Publications and Presentations

November 5-9, 2001, Playa Del Carmen, Mexico Iliffe, T. M. 2001. *Endangered Caves and Cave Animals of the Riviera Maya*. Riviera Maya ECO '01: To the Safeguard of Fragile Ecosystems in Solidaridad.

As part of the project *Exploration and Conservation of Anchialine Faunas*, Dr. Thomas Iliffe of Texas A&M University at Galveston, USA, will present the above paper at a conference of diverse stakeholders concerned with the conservation of ecologically important ecosystems on the Yucatan Peninsula, Mexico. The Municipality of Solidaridad on the Yucatan Peninsula contains a diverse array of exceptional ecosystems, including: portions of the Meso-American Coral Reef System, the second longest in the world; part of the Biosphere Reserve of Sian Ka'an, a World Heritage Site; a chain of biodiverse caves, caverns and cenotes, believed to be one of the longest underground systems in the world; and large areas of mangroves and wetlands. The human population of this area is increasing at 24% annually, largely due to tourism, and environmental damage to these fragile ecosystems is already becoming apparent.

More information on the IBOY Project *Exploration and Conservation of Anchialine Cave Faunas* see http://www.cavebiology.com/ and http://www.nrel.colostate.edu/IBOY/whatandwhere.html#anchialine

Contact:

Dr. Thomas Iliffe, Dept. of Marine Biology, Texas A&M University at Galveston, Galveston, Texas, 77553-1675, USA. Tel: (+1) 409 740 4454, Fax: (+1) 409 740 5001, Email: iliffet@tamug.tamu.edu

<u>IBOY Chair</u> Diana H. Wall Colorado State University

Vice-Chair Geoffrey A. Boxshall The Natural History Museum

Steering Committee Andrew Dobson Princeton University

Ivan Hattingh World Wide Fund for Nature

Tohru Nakashizuka

Valery Neronov Russian DIVERSITAS

Cristián Samper Chair, Convention for Biological Diversity, SBSTTA-5

James Seyani Commonwealth Science Council

Ex Officio José Sarukhán Past-Chair, DIVERSITAS

Peter Bridgewater UNESCO MAB

Harold Mooney

Advisory Board Maria Alice S. Alves State University of Rio de Janeiro

Manuel Arango CONCORD

Neil Chalmers The Natural History Museum

Peter Crane Royal Botanic Gardens, Kew

Sylvia Earle

Paul Ehrlich Stanford University

Calestous Juma

Gustavo Fonseca Conservation International

Thomas Lovejoy The World Bank

Jane Lubchenco

Jeffrey McNeely

Russell Mittermeier Conservation International

Stuart Pimm Columbia University

Peter Raven Missouri Botanical Garden

Edward O. Wilson

Newsletter of the IBOY

December 2-4. 2001. Brussels. Belgium **Report of the Electronic Conference on Marine Biodiversity in** Europe (m@rble) to the European Platform for Biodiversity **Research Strategy**

The results of an Electronic Conference on Carlo Heip, Chair of the MARS Program Marine Biodiversity in Europe will be Implementation and Networking of Largepublished and presented at the meeting of scale. Long-term Marine Biodiversity the European Platform for Biodiversity Research in Europe (BIOMARE). The Research Strategy in December. The findings of the e-conference will provide an electronic conference was hosted by the overview of current thinking about the issues European Marine Stations Network (MARS) and goals that BIOMARE is addressing. during October, with the goal of surveying broad opinion on issues important for the development of marine biodiversity research, specifically:

More information on the IBOY Project BIOMARE see http://www.biomareweb.org

and

http://www.nrel.colostate.edu/IBOY/how_changing.html# feral

Contact:

Prof. Dr. Carlo Heip or Prof. Dr. Herman Hummel, NIOO-CEMO Netherlands Institute of Ecology, Center for Estuarine and Coastal Ecology, Korringaweg 7, 4401 NT Yerseke, The Netherlands. Tel: (+31) 113 577300, Fax: (+31) 113 573616, Email: heip@cemo.nioo.knaw.nl or hummel@cemo.nioo.knaw.nl

(22-26 October)

main issues in biodiversity research

implementation and application of

biodiversity research in management

conservation and science (15-19

future of marine biodiversity research

The e-conference was coordinated by Dr.

(8-12 October)

October)

Upcoming Meetings

November 2-3, 2001, Palma de Mallorca, Spain: BIOMARE Workshop Marine scientists meet to build capacity for Europe-wide marine research and conservation

At an international workshop, a collaboration of European marine scientists will review assessments of existing capacity to conduct continental-scale biodiversity research, which they have developed over the past year. The scientists are part of the project Implementation and Networking of Largescale, Long-term Marine Biodiversity Research in Europe (BIOMARE). They will use the review to launch the next phase of BIOMARE, which will make recommendations for implementing Europewide marine biodiversity research. The workshop will consider the location and research requirements for a network of sites to provide comprehensive information on the state of Europe's marine biodiversity and

ecosystems, and how to provide information needed by stake-holders including European Union policy-makers, commercial fisheries and international conventions.

More information on the IBOY Project BIOMARE see http://www.biomareweb.org

and

http://www.nrel.colostate.edu/IBOY/how_changing.html# feral

Contact:

Prof. Dr. Carlo Heip or Prof. Dr. Herman Hummel, NIOO-CEMO Netherlands Institute of Ecology, Center for Estuarine and Coastal Ecology, Korringaweg 7, 4401 NT Yerseke, The Netherlands. Tel: (+31) 113 577300, Fax: (+31) 113 573616, Email: heip@cemo.nioo.knaw.nl or hummel@cemo.nioo.knaw.nl

December 3 – 7. 2001. Bondy. France Second Meeting of MACROFAUNA: Synthesis and Analysis of Agricultural **Practices on Biodiversity**

An international network of soil biologists will gather for a compiling and analyzing data, and disseminating second meeting of the project MACROFAUNA, led by Dr. information. At this second meeting, the researchers will Patrick Lavelle of the Institut de Recherche pour le use data and methods selected at the first meeting to Développement, France. MACROFAUNA aims to advance analyze information from sites across 32 countries and understanding of the impacts of different agricultural evaluate the impact of different agricultural practices on practices on soil biodiversity. Soil biologists have long soil biodiversity around the world. They will draft papers, a known that soil-dwelling fauna are responsible for webpage and press releases at the meeting to publicize formation and conservation of the healthy soils that their findings. support agriculture, and have attributed the general unsustainability of agricultural systems world-wide, at least http://www.bondy.ird.fr/lest/iboy/ and in part, to their disappearance. However, there has been http://www.nrel.colostate.edu/IBOY/whatandwhere.html#macrofauna no global, systematic synthesis of knowledge on the impact of agriculture on soil biodiversity. In its first meeting in June 2000, members of the MACROFAUNA network Université Paris VI/IRD (ex. ORSTOM), 32 rue Henri Varagnat, 93143 synthesized information and provided recommendations on standardizing sampling and taxonomic practices,

More information on the IBOY Project MACROFAUNA see

Contact:

Dr. Patrick Lavelle, Laboratoire d'Ecologie des Sols Tropicaux, Bondy Cedex, France. Tel: (+33) 1 48 02 55 01; Fax (+33) 1 48 47 30 88; Email: Patrick.Lavelle@bondy.ird.fr

December 5-9, 2001, Bonn, Germany Status Seminar and Workshop of the BIOLOG and of BIOTA Africa

mapping and assessment of basic biodiversity parameters website. and functioning. This will build a foundation for the second phase (2003-2004) that will include assessments of socio- http://www.biota-africa.org This will soon contain additional information on economic components of biodiversity change.

Over the final two days of the workshop, researchers will Contact: discuss and review the latest information on the challenges and problems associated with defining standards in biodiversity monitoring. It can be expected that hamburg.de development of standards in biodiversity monitoring will

During the first part of this meeting, December 5-7, more allow better comparability, extrapolation and modeling of than 300 researchers and representatives of funding research results. However, the complex interaction of institutions will meet at the Science Center at Bonn, to environmental drivers and organisms requires a thorough review the present status of the Biodiversity Program discussion of: (a) which standards are of scientific value, BIOLOG, a program of the German Ministry of Science (b) which standards can be applied in different biomes, and Education, and the IBOY project BIOTA Africa with its and (c) which standards and protocols are acceptable to 38 subprojects. BIOTA Africa, coordinated by Dr. Norbert researchers in different scientific communities and Jürgens, will analyze and monitor changes in biodiversity countries. Both meetings will bring together scientists from in African biomes using an interdisciplinary and integrative central Europe and some 30 colleagues from African approach. The initial phase of BIOTA Africa, taking place countries and other continents. Outputs of the meeting will during 2001-2003, is establishing a network of Biodiversity include a report on the BIOTA Africa Workshop, which will Observatories for long-term observation, vegetation be published in printed form and also on the BIOTA Africa

> More Information on the IBOY Project BIOTA Africa see the updated the workshop.

Dr. Norbert Jürgens, Botanical Institute, University of Hamburg, Ohnhorststr. 18, D-22609 Hamburg, Germany. Phone: (+49) 40-42816-260, Fax: (+49) (0) 40-42816-261, Email: juergens@botanik.uni-

December 13 – 14, 2001, San Francisco, USA Symposia on Water, Energy, and Carbon Cycles in Terrestrial Systems: Local-Scale Observations Through FLUXNET and Other Micrometeorological Tower Sites

Members of the international research network *FLUXNET* will gather at the 2001 Fall Meeting of the American Geophysical Union (AGU), for sessions convened by Drs. Dennis Baldocchi and Lianhong Gu of the University of California at Berkeley, USA. FLUXNET connects scientists and data from micrometeorological tower sites around the world, to better understand the mechanisms controlling ecosystem exchanges of CO₂, water vapor and energy across a spectrum of temporal and spatial scales. These data provide a basis for understanding the functional diversity of ecosystems and global environmental change. Acquiring this global picture of 'the metabolism of ecosystems' requires constant monitoring of diverse ecosystems, rapid sharing of quality controlled data among the global science community and multidisciplinary synthesis of scientific findings. FLUXNET researchers will gather to present their latest data on a variety of

environmental fluxes, from a broad spectrum of ecosystems. They will also share information on latest protocols, advances and opportunities in cross-site synthesis, and development of the global network of flux towers.

More information: The FLUXNET sessions at the AGU Fall Meeting are B41A and B42D, in the morning and afternoon, of December 13. The FLUXNET poster session is B51A on Friday. December 14. More information on the AGU Fall Meeting can be found at http://www.agu.org/meetings/fm01top.html

More information on the IBOY Project FLUXNET: The Metabolic Diversity of Terrestrial Ecosystems see http://daac.ornl.gov/FLUXNET/ and http://www.nrel.colostate.edu/IBOY/goods_services.html#baldocchi

Contact:

Dr. Dennis Baldocchi. Dept. of Environmental Science Policy and Management, 151 Hilgard Hall, University of California Berkeley, Berkeley, CA 94720, USA. Tel: (+1) 510 642 2874; Fax: (+1) 510 643 5098; Email: dbaldocchi@nature.berkeley.edu

Rescheduled Meeting "Assembling the Tree of Life: Science, Relevance and Challenges"

This international conference at the American Museum of Natural History, New York, was postponed in September because of the attacks in New York and has been rescheduled for 30 May - June 1, 2002.

In September, prior to its rescheduling, the meeting was featured in Science magazine:

Pennisi, E. 2001. Preparing the Ground for a Modern 'Tree of Life'. Science 293: 1979 - 1980

More information on the symposium, including registration, see: http://www.amnh.org/programs/conference/tree_of_life/

More information on the IBOY Project Assembling the Tree of Life see http://www.nrel.colostate.edu/IBOY/whatandwhere.html#treeoflife

Contact:

Dr. Joel Cracraft, Dept. of Ornithology, American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024. Tel: (+1) 212 769 5000, Fax: (+1) 212-769-5633, Email: jlc@amnh.org Dr. Michael Donoghue, Dept. of Ecology and Evolutionary Biology, Yale University, P.O. Box 208106, New Haven, CT 06520-8106, USA, Tel: (1) 203 432 2074, Fax: (1) 203 432 5167, Email: michael.donoghue@yale.edu

Upcoming Field Expiditions

November 30 – December 7, 2001, Sweetings Cay, Grand Bahama January 1–17. 2002. Admiral's Cave. Bermuda **Expeditions to Survey Anchialine Cave Fauna**

Two expeditions, led by marine biologist Dr. Thomas lliffe For the first of these expeditions, lliffe and his colleagues of Texas A&M University at Galveston, USA, will survey will explore Sweetings Cay in Grand Bahama Island. They the fauna of anchialine caves, in the Caribbean. Anchialine will survey fauna from the Zodiac Caverns, relatively habitats are flooded inland marine caves and ground shallow caves with crystal formations and abundant marine waters that lack any direct surface connection with the life, and deep fracture caves at Deep Creek and open sea. They are inhabited by remarkable but poorly Lightbourn Cay. known animals; long-term survivors of ancient lineages, which are threatened by changes in their fragile habitat.

Anchialine Cave Expedition (cont)

graduate students, cave divers and GIS specialists in posted on cavebiology.com. Bermuda, for the first phase of a project to develop a Bermuda Cave and Karst Information System (BeCKIS). The researchers will survey Admiral's Cave, one of the largest and most significant dry caves in Bermuda. Admiral's Cave is threatened by blasting and excavation in an adjacent guarry, and by water pollution from sewage leaking into the Cave's anchialine lakes. They will survey the dry and wet portions of the caves and convert and map the data using GIS techniques, measure water quality, and

In the first two weeks of 2002, lliffe will lead a team of inventory cave fauna. The results of the study will be

More information on the IBOY Project Exploration and Conservation of Anchialine Cave Faunas see http://www.cavebiology.com/ and http://www.nrel.colostate.edu/IBOY/whatandwhere.html#anchialine

Contact:

Dr. Thomas Iliffe, Dept. of Marine Biology, Texas A&M University at Galveston, Galveston, Texas, 77553-1675, USA. Tel: (+1) 409 740 4454, Fax: (+1) 409 740 5001, Email: iliffet@tamug.tamu.edu Dr. Geoffrey Boxshall, The Natural History Museum, Cromwell Road, London, SW7 5BD, United Kingdom. Tel: (+44) 207 942 5749, Fax: (+44) 207 942 5433, Email: G.Boxshall@nhm.ac.uk

December 9. 2001 – January 1. 2002, East Pacific Rise Expedition to survey mussel beds in a deep-sea hydrothermal vent field

Marine biologist Dr. Cindy Lee van Dover of the College of Blake Ridge, east of South Carolina, USA, which made the to study mussel beds surrounding deep-sea hydrothermal at vents. The communities at the hydrothermal vents are http://oceanexplorer.noaa.gov/explorations/deepeast01/de chemosynthetic, based on chemical, rather than light epeast01.html energy. This expedition marks a return to mussel beds at the 9°N hydrothermal vent field that the researchers last More information on the IBOY Project Biodiversity in Deep Sea sampled in 1999. It will advance understanding of how diversity in mussel beds in this extreme environment changes over time. The expedition is part of an ambitious **Contact**: global study to understand patterns in diversity and Dr. Cindy Lee van Dover, 328 Millington Hall, Biology Department, community structure at deep-sea chemosynthetic ecosystems. In September, as part of this study, van Dover led an expedition to chemosynthetic mussel beds of

William and Mary, USA, will lead an expedition to the first submersible visit to these beds. Information, including Northern East Pacific Rise with DSV Alvin and ROV Jason a log and photographs from the Blake Ridge Expedition is

Chemosynthetic Communities see http://www.nrel.colostate.edu/IBOY/whatandwhere.html

College of William & Mary, Williamsburg, VA 23187, USA, Tel: (+1) 757 221 2229, Fax: (+1) 757 221 6483, Email: cindy_vandover@wm.edu

Funding and Service Opportunities

Request for Proposals for Declining Amphibian Populations Task Force (DAPTF) Seed Grants 2002

DAPTF is pleased to announce a new round of Seed to Tim Halliday, at the address below. Do not hesitate to Grants for 2002. These are intended as one-time awards contact Tim Halliday if you need clarification or advice. of between \$500 and \$2000 for the support or initiation of research that furthers the DAPTF's mission to determine the nature, extent and causes of amphibian population declines. There are three categories in this year's round, reflecting generous financial support from Conservation More information about the IBOY Project Declining Amphibian International (CI) and the U.S. Department of the Interior's Amphibian and Reptile Monitoring Initiative (ARMI). DAPTF will accept applications in Spanish, Portuguese and French, as well as English.

Full information on all Award categories is available from a downloadable Adobe Acrobat Document at http://www.open.ac.uk/daptf/news.htm. Applicants should indicate which of the three categories they have in mind. Proposals of no more than 4 pages should be addressed

The closing date for applications is 15th December, 2001.

Population Task Force (DAPTF) see http://www.open.ac.uk/daptf/index.htm and http://www.nrel.colostate.edu/IBOY/how changing.html#daptf

Contact:

Dr. Tim Halliday, DAPTF International Director, Department of Biological Sciences, The Open University, Milton Keynes, MK7 6AA, UK. Tel: (+44) 1908 653831; Fax: (+44) 1908 654167; Email: T.R.Halliday@open.ac.uk Dr. Jim Hanken, Harvard University, Museum of Comparative Zoology, 26 Oxford Street, Cambridge, MA 02138, USA. Tel: (+1) 617 496 8538; Fax: (+1) 617 495 5667; Email: hanken@oeb.harvard.edu

Newsletter of the IBOY

Millennium Ecosystem Assessment seeks nominations for experts or reviewers

nominations of social and natural scientists to participate Diversity, Convention to Combat Desertification, Wetlands as experts or reviewers in the MA process. The deadline Convention and other users including the private sector, for receipt of author nominations is December 15, 2001, civil society, and indigenous peoples. Nominations for reviewers will be accepted through August More information on the nomination requirements and on the roles of 1, 2002.

The MA is a path-breaking international assessment that site and will meet decision-makers' needs for scientific information http://www.nrel.colostate.edu/IBOY/goods_services.html#millenium also on the consequences of ecosystem change for human well-being and on the response options available to address undesired changes. As a 'multi-scale' assessment, the MA will seek to inform the global findings with information and perspectives from the local, national Fax: (+1) 202 729 7610; Email info@millenniumassessment.org and regional scale, and inform local findings with a global context. The MA is designed to meet a portion of the

The Millennium Ecosystem Assessment (MA) is seeking assessment needs of the Convention on Biological

the experts and reviewers in the MA process, please see the detailed documentation available at http://www.millenniumassessment.org. This

contain general information on the IBOY Project Millennium Ecosystem Assessment.

Contact:

Ms. Valerie Thompson, Millennium Assessment Secretariat - WRI Office, 10 G Street N.E., Washington, DC 20002, USA. Tel: (+1) 202 729 7794,

Awards

Ocean Dasis wins award at the Jackson Hole Wildlife Film Festival

The giant-screen film, Ocean Oasis, directed and produced by Summerhays Films, Inc. of San Diego, in collaboration with the San Diego Natural History Museum, and Mexico's PRONATURA, was a winner at the prestigious 2001 Jackson Hole Wildlife Film Festival.

Ocean Oasis received the "Best Theatrical Program Award." This award is given every two years "to the program produced for large-format or conventional motion picture theaters that most effectively advances an appreciation of the natural world." Director/Producer Soames Summerhays of San Diego, was at the Festival to receive the award, presented on Saturday evening, September 30 in Jackson Hole, Wyoming, USA.

Michael Hager, executive producer of the film and director of the San Diego Natural History Museum said, "Ocean Oasis is one of many important results from our longstanding research work in Baja California and the Sea of Cortés." In the past decade alone, Museum researchers have discovered more than 15 new species in the uniquely abundant region.

On June 27, 2001, Mexico's President Vincente Fox attended the premiere of Ocean Oasis at El Papalote Museo del Niños in Mexico City. After viewing Ocean Oasis, President Fox asked the Mexican Secretary of the Environment and Natural Resources and the President of the Institute of Ecology to complete the documentation and studies required to elevate the islands in the Sea of Cortés and their surrounding waters to the status of a bio-reserve.

Sponsored by Sempra Energy, the film has been endorsed



Producer/Director of Ocean Oasis, Soames Summerhays and Underwater Cinematographer Bob Cranston holding the"Best Theatrical Program" award.

by international conservation organizations: Conservation International, Fondo Mexicano para la Conservación de la Naturaleza, The Nature Conservancy, and IBOY.

More Information on the IBOY Project Ocean Oasis can be seen from the full press release about the award http://www.nrel.colostate.edu/IBOY/pdf/oasis_award.pdf and from http://www.oceanoasis.org/toc.html and http://www.nrel.colostate.edu/IBOY/whatandwhere.html#oasis

Contact:

Mr. Don Steele, Summerhays Films - Distribution. Tel: (+1) 858 457 8652; Email: DESteele@aol.com

Dr. Michael Hager, Executive Director, San Diego Natural History Museum, Post Office Box 121390, San Diego, CA 92112-1390, USA. Tel: (+1) 619 237 1484; Fax: (+1) 619 232 0248; Email: mhager@sdnhm.org

Newsletter of the IBOY

From the Secretariat

November 17 - 18. 2001. Colorado State University. USA: Workshop to plan a US-Wide Biodiversity Observation Event

The US National Research Council's Committee on will develop a program to take place in 2002 as part of DIVERSITAS is sponsoring a meeting convened by the IBOY Secretariat to plan a USA-Wide Biodiversity Observation Event, to mark IBOY. Leaders in biodiversity research and education will attend, from institutions including the National Museum of Natural History of the Smithsonian Institution, Conservation International, All Species Foundation, World Wide Fund for Nature, National Geographic Society. Denver Museum of Nature and Science, University of Connecticut Museum, Biological Sciences Curriculum Study and Earth Day Network. They

New on the Kids Webpage!

We invite schools from around the world to send us More information and instructions on how to add your schools activities information on the biodiversity exploration activities they are doing for IBOY. We have published a new site on the IBOY Kids Webpage to highlight these activities and help schools share information. This page was inspired by Karen Jones a teacher at Kempsey West Public School in New South Wales, Australia who sent us information on a Potato Trap project they are doing in collaboration with a school in Wales. Their project is the first entry in the Your Webpages section on the IBOY Kid's webpage.

IBOY that will increase science-based awareness of the importance of biodiversity among the American public. We hope to engage researchers and educators from museums, botanic gardens, schools and libraries in the ensuing national event.

More information on National Biodiversity Events, including the Australian Biodiversity Month September 2001, coordinated by the Australian Community Biodiversity Network, see http://www.nrel.colostate.edu/IBOY/biodevents.html

to the site see http://www.nrel.colostate.edu/IBOY/kids/webpages.html Or contact the IBOY webmaster Lily Huddleson lily@nrel.colostate.edu

Contact:

For more information on these and other activities of the IBOY Secretariat, Gina Adams, Program Director, DIVERSITAS-IBOY, Natural Resource Ecology Laboratory, Colorado State University, Fort Collins, CO 80523-1499, USA. Tel: (+1) 970 491 1984, Fax: (+1) 970 491 3945, Email: gadams@nrel.colostate.edu

Recent Activities

October 26 – October 30 2001. New York. USA Meeting to develop Report on *Biodiversity: Its importance to Human Health*

The Center for Health and the Global Environment at the and international biodiversity organizations, met to review Harvard Medical School, the United Nations Environment first drafts of chapters and develop the detailed structure Program (UNEP), and the World Health Organization (WHO) are jointly coordinating a project to review state of the art information on the importance of other species to human health. They will produce a book, to be published by Cambridge University Press, and a report for the United Nations on their findings. Chairs of the seven working groups developing the chapters for the book, and other stakeholders including representatives from the publishers

and messages for the book.

More information on the IBOY Project Biodiversity: Its importance to Human Health see

http://www.nrel.colostate.edu/IBOY/goods_services.html#who

Contact:

Dr. Eric Chivian, Director, Center for Health and the Global Environment, Harvard Medical School, Room 262A, 260 Longwood Avenue, Boston, MA 02115, USA. Tel: (+1) 617 432 0493; Fax: (+1) 617 432 2595; Email: Eric Chivian@hms.harvard.edu



An Initiative of DIVERSITAS 2001-2002

The IBOY is an initiative of DIVERSITAS. Intellectual sponsorship is provided by the International Union of Microbiological Sciences (IUMS), and the United Nations Educational, Scientific and Cultural Organization (UNESCO). IBOY has been endorsed by the Sixteenth International Botanical Congress (IBC) and the Second World Conservation Congress of the World Conservation Union (IUCN). The Fifth Conference of the Parties to the Convention of Biological Diversity (CBD) invited parties to participate in the IBOY. Financial sponsorship of IBOY is provided by the US National Science Foundation (NSF) (under Grant No. DEB-0122141), the International Council for Science (ICSU), Center for Applied Biodiversity Science at Conservation International (CABS), the International Group of Funding Agencies (IGFA), DIVERSITAS, and two anonymous US foundations. We acknowledge the support of the US National Committee for DIVERSITAS and the Board on International Scientific Organizations of the National Research Council.

About IBOY





