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Environmental Resources on the World Wide Web

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U.S. GOVERNMENT-SPONSORED WEB SITES

[Agricultural Genome Information System from the National Agricultural Library](#)

Funded by the US Department of Agriculture, Agricultural Research Service, and National Genetic Resources Program this site is provided Genome Informatics Group, with member institutions such as the University of Maryland-College Park, Texas A&M University, and the National Agricultural Library.

[Amphibian Information Website: Draft site available for comment](#)

In fall 1997 staff at the Biological Resources Division (USGS) at Patuxent Wildlife Research Center announced the availability of a "draft" form of this site, funded by the National Park Service and the Environmental

Protection Agency. Site developers intend to help scientists and citizens find information about amphibian conservation, an area of recent widespread interest. Initially, only amphibian populations from the Eastern United States will be covered, but the developers hope eventually to expand the database to include information from around the world. The web site provides access to a database of citations to reports, scientific papers, links to web sites, and researchers' names and addresses. The database is searchable using standard keywords and/or genus names. The current version contains sample data. Users are invited to try the service and send comments to Dan Rasay at dan_rasay@nbs.gov.

Envirofacts Warehouse

The Envirofacts Warehouse has been developed by the Environmental Protection Agency (EPA) as a repository for Agency data systems. EPA makes the web site available to provide the public with access to data from a number of EPA Program Systems, and to provide EPA access to the data in a relational database using the Web interface or other Oracle access tools. Envirofacts Warehouse components include program system, spatial, and demographic data; metadata which describe data contained in the various databases; tools to access and display the data; and other features that educate users on environmental issues. Users can retrieve environmental information from EPA databases on Superfund sites, drinking water, toxic and air releases, hazardous waste, water discharge permits, and grants information. Online queries can be used to retrieve data or generate maps of environmental information from several mapping applications available through EPA's Maps On Demand.

Environmental Contaminants Encyclopedia Encyclopedia Listings

This new resource from the National Park Service contains a wealth of information central to the growing field of environmental toxicology. The site consists of a searchable encyclopedia of 118 environmental contaminants, from Acenaphthene to Zinc. With information on chemical elements, compounds, and products, the EC Encyclopedia also serves as a reference for determining the potential impact of the concentration of a certain substance. Entries are in Adobe Acrobat (.pdf) format and include background information, specific threats, and other related material. Complete reference information (the Referenc.pdf file) is also available. [Laura X.Payne]" Annotation from April 15, 1998 issue of the Scout Report for Science & Engineering. Copyright Susan Calcari and the

University of Wisconsin Board of Regents, 1994-1998. Permission is granted to make and distribute verbatim copies of the Scout Report for Science & Engineering (<http://scout.cs.wisc.edu/scout/report/sci-engr/index.html>) provided the copyright notice and this paragraph is preserved on all copies. The Internet Scout Project provides information about the Internet to the US research and education community under a grant from the National Science Foundation, number NCR-9712163. The Government has certain rights in this material.

National Biological Information Infrastructure (NBII) Clearinghouse

This web site is designed to help users locate, evaluate, and access biological data and information from a distributed network of cooperating data and information sources. The Clearinghouse contains standardized metadata-based descriptions of biological data sets and information products. It also provides access to software tools for analysis, integration, and application of biological data. Metadata descriptions follow an emerging standard established by the NBII's Biological Profile of the Federal Geographic Data Committee's (FGDC's) Content Standards for Digital Geospatial Metadata. The NBII Clearinghouse is a part of the [National Spatial Data Infrastructure \(NSDI\) Clearinghouse](#).

Operation Fresh Start

Sponsored by the Department of Energy's Office of Energy Efficiency and Renewable Energy, this site is a gateway to information about disaster recovery available from several federal government agencies. "Designed to help individuals and communities incorporate sustainable principles and technologies into their plans when they recover from a flood, earthquake, or other disaster." An overview of sustainable development explains how rebuilding can result in a healthier, more energy efficient, less expensive, safer, and more livable community. Sections cover home and business recovery, emergency power sources, assistance programs, case studies, and links to related web sites.

PLANTS National Database

Developed by USDA's National Plant Data Center (NPDC) which is charged with managing information about plants including acquiring, developing, integrating, disseminating, and maintaining quality control. NPDC maintains the searchable PLANTS database, containing information on the vascular and nonvascular plants of the United States and its territories. The database provides natural resource managers, range scientists, foresters, biologists, and others with standardized, up-to-date

plant names, symbols, and other plant attribute information. PLANTS includes checklists, distribution data, crop information, plants symbols, plant growth data, references and other plant information. "PLANTS reduces costs by preventing the duplication of efforts and by making information exchange possible across agencies and disciplines."

[Snake River Resources Review \(SR3\)](#)

From the U.S. Bureau of Reclamation, SR3 provides information sources to support decision making about water uses and demands from the Snake River System. Public outreach and communication are important purposes for SR3. Designed to provide efficient access to information necessary to examine the physical, legal, and economic consequences of potential decisions, the web site offers a bibliography of studies and documents relevant about Snake River. Traditional uses such as irrigation and flood control must be weighed against demands for threatened and endangered species, fish, wildlife, cultural resources, Indian Trust Assets, recreation, as well as water quality economics.

WEB SITES FROM EDUCATIONAL INSTITUTIONS AND ENVIRONMENTAL ORGANIZATIONS

[Directory of Water and Wildland Expertise](#)

This directory lists scientists conducting research aimed at solving a broad array of scientific and practical problems concerned with managing and conserving water and wildland resources, as well as those experts actually managing these resources. More than 2,000 listings are included of faculty and staff from the University of California and California State University systems, and experts from state and federal agencies all of whom are involved with water- or wildland- related research and resource management in California. The directory is searchable.

[Environmental Defense Fund Chemical Scorecard](#)

"The Environmental Defense Fund (EDF) Chemical Scorecard combines scientific, geographic, technical, and legal information from over 150 electronic databases to produce detailed local reports on toxic chemical pollution. By combining data from EPA's Toxic Release Inventory with health hazard information developed by EDF, Scorecard provides summary reports on any of 50 states, 2000 counties, 5000 zip codes, or 17000 individual industrial facilities. In addition to showing total quantities of pollutants, each report provides comparative rankings; identifies the individual chemicals involved; describes their health

effects; highlights the top-ranked hazards; shows multi-year trends." Scorecard provides maps with links to locate polluting facilities and options for sending them email or fax communication, as well as ways to communicate with the EPA.

[ENSO 97-98: The 1997 El Niño/Southern Oscillation](#)

Repository of electronic mailings "intended to provide near real-time reports primarily on marine and terrestrial events that may be linked to the development of the 1997-98 El Niño/Southern Oscillation which appears to be unfolding as one of the most severe ENSO events in history." Emphasis is on seabirds and changes to marine ecosystems, but other reports are welcomed which may expand understanding of effects such as rainfall, flooding, or associated disease outbreaks. Contributors' reports are arranged geographically with hyperlinks to the documents. Text from reports may be downloaded for searching. Dr.s David Duffy and Peter J. Bryant maintain the site. Contact: Dr. David Duffy; Alaska Natural Heritage Program; University of Alaska, Anchorage; Phone 907-257-2784; Fax 907-257-2789; Email afdcd1@uaa.alaska.edu

[Great Backyard Bird Count](#)

February 20-22, 1998, thousands of birders participated in the first-ever simultaneously recorded (via Internet) continent-wide back yard bird count. The Great '98 Bird Count's goal is to "provide a detailed picture of how bird populations compare region-by-region, as counted by ordinary citizens at the time of year when most migratory birds are just getting ready to head back north from their wintering grounds." Cornell University's Laboratory of Ornithology and the National Audubon Society co-sponsored the effort. The web site reports summary data on the number of observers reporting (by postal code, state, and hour), the total number of birds recorded (by species), and color maps of species distributions (including all locations surveyed). Ten-year trends from Project Feeder Watch are provided for comparison.

[Sustainable Business Network](#)

This site was included in the Environmental Resources Column of the Electronic Green Journal's Fall 1997 issue, but it is worth noting again as it has continued to grow. Searching the site is easy, and results usually load quickly. Major features of the site include: SBN Journal; Sustainable Business Opportunities; Green Dream Jobs; and the SBN Library. Selected topics addressed in recent issues are alternative energy

sources, sustainable forestry, herbal medicine, construction materials, and natural food.

[Trade and Environment Database \(TED\)](#)

The goal of this site is "to provide a common basis for researchers and policy makers to understand issues of trade and the environment." A searchable database of more than 450 case studies, organized by geographic region or date, provides information on conflicts between environmental issues and development interests. The site could be useful to environmental educators. It is maintained by Dr. James R. Lee of American University's School of International Service.

[Tree-Ring and Tree-Ring Research Web Pages](#)

The ultimate site to find dendrochronology information on the web, in other electronic forms, and in print. From basic introductions to the field of tree ring research to in-depth bibliographies of specialized sources, this site is well-organized and extremely thorough. Resources available include references to fundamental texts and links to their publishers, links to other dendrochronology web sites and to bibliographic databases, information on software tools for the discipline, and job announcements. The site developer is Dr. Henri D. Grissino-Mayer, Associate Professor of Physics, Astronomy & Geosciences at Valdosta State University, who did much of the work while he was at Laboratory of Tree-Ring Research, The University of Arizona, Tucson.

INTERNATIONAL WEB SITES

[Southern Africa Environment Page](#)

From the Southern Africa Environment Project (SAEP), a non-profit organization founded in 1994 to develop programs aimed at protecting the natural environment, Southern Africa's greatest economic asset. Major activities center on environmental education, environmental advocacy, and environmental law and policy. SAEP works with non-governmental and community-based organizations. Its goals include involving communities in economic benefits of tourism and cultural heritage enterprises, establishing environmental education programs to develop future environmental managers for the region, and to foster understanding and application of scientific and information technology. The site links to SAEP's "Southern Africa Weekly News Briefs" on environmental topics.

[International Nuclear Safety Program](#)

"The U.S. Department of Energy conducts a comprehensive, cooperative effort to improve safety at Soviet-designed nuclear power plants. In nine partnering countries (Russia, Ukraine, Armenia, Bulgaria, the Czech Republic, Hungary, Lithuania, Slovakia, and Kazakhstan) joint projects are correcting major safety deficiencies and establishing nuclear safety infrastructures that will be self-sustaining." The site links to profiles of 20 nuclear plants listing safety upgrade projects which are planned, completed or are ongoing. Each profile also includes an overview of the plant's operating history, events summary, organization chart, and photographs of the plant. The site is maintained by the US Department of Energy's Office of Nuclear Energy, Science, and Technology.

[Bruce's Buddies: Kids Caring for the Environment \(Southland New Zealand\)](#)

Environmental education page for children which provides ideas for environmental education through fun activities, with Bruce C. Gull as the site mascot. The Southland Regional Council of New Zealand maintains the site as part of its responsibilities for promoting the sustainable management of natural and physical resources in the Southland Region of New Zealand (similar in structure to state government in the US).

LISTSERVS

ECOCITY

This is a public list for forum and information exchange. Scope: all aspects related to sustainable urban development; sponsored by the International ECOCITY Network for Sustainable Urban Development. To subscribe, send an e-mail to listserv@seagate.sunet.se with this message in the body: subscribe ECOCITY. Contact: Mr. Eng-Leong Foo, Institute of Advanced Studies, The United Nations University, Shibuya-ku, Tokyo, Japan. E-mail: foo@ias.unu.edu

EnvPubs-L

EnvPubs-L is a mechanism with which members of the environmental science and public policy community may use electronic mail to learn and share information about recent environmental publications, web sites, and related information resources. This document describes EnvPubs-L and provides instructions for its use. Participation in EnvPubs-L is open to all interested parties.

To subscribe to EnvPubs-L, send a message to listproc@environment.harvard.edu containing the line SUBSCRIBE EnvPubs-L . EnvPubs-L archives are available via the [Harvard Environmental Information Center World Wide Web home page](#)
The list is created by Tom Parris, Environmental Resources Librarian, Godfrey Lowell Cabot Science Library, Room LL4, Harvard College Library, Cambridge, MA 02138, tel. 617-496-6158, fax. 617-496-0440, Email tparris@fas.harvard.edu

PUBLICATIONS CATALOGS, BOOKS, PERIODICALS, AND PRODUCT ANNOUNCEMENTS ON THE WEB

National Environmental Publications Information--EPA

Searchable database of text from more than 6000 EPA publications in the National Environmental Publications Information (NEPI) database; documents retrieved can be viewed and printed. Users may search by title, EPA publication number, or subject. Links to the [NEPI catalog](#) provide electronic ordering of publications not yet available electronically. Technical Information Packages (TIPS) publications lists are available on selected topics. The site provides a search guide to environmental terminology, abbreviations, and acronyms used in EPA publications.

Beavers Newsletter

Two Polish scholars are developing a newsletter to facilitate information exchange among researchers around the world who work with beavers (*Castor fiber*, *Castor canadensis* and fossil forms). Quoting from an email announcement:

"'The Beavers Newsletter' will contain:
- the list of scientists exploring the life of the beaver with their addresses and information about their current research interest,
- information on current research work, research plans and projects, etc.,
- short articles on beavers,
- information about conferences, workshops, etc.,
- a complete bibliography on beavers,
- and other (according to your suggestions)."

A paper copy of the bulletin will be printed several times a year and sent free to subscribers, and a web page will be developed which will provide links to other web pages about beavers.

For more information, or to submit material to "The Beaver Newsletter"

contact: Andrzej Czech in the Department of Hydrobiology; Institute of Environmental Biology; Jagiellonian University; Oleandry 2a, 30-063 Krakow, Poland. Phone +48 12 336377 ext.480; Email czech@eko.uj.edu.pl or czech@jetta.if.uj.edu.pl OR Pawel Janiszewski, Faculty of Animal Science, Academy of Agriculture and Technology in Olsztyn, Oczapowskiego 5/356, 10-718 Olsztyn, Poland; Phone/Fax +48 89 5233924; Email janisz@moskit.art.olsztyn.pl

Biodiversity and Conservation

"Peter J. Bryant, Professor of Developmental and Cell Biology at the University of California, Irvine, provides this hypertext book as a learning aid for his Biological Conservation class. It is an excellent, comprehensive introduction to the topic. Divided into sixteen understandable chapters, it covers such topics as the history of life, depletion and extinction from over-exploitation, exotic introductions, and deforestation, among others. The content is supported by illustrations, photos, charts, and a webliography for each chapter (a work in progress which is also available in full at the end of the book). However, the features that add the greatest value to the site are the well thought out hyperlinks to other relevant resources. There are literally hundreds of these; they combine with the original content of the site to form a powerful resource for undergraduate students.

[Scout Report Editor, Jack Solock]" Annotation from March 13, 1998 issue of the Scout Report, Copyright Susan Calcari, 1994-1998.

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Center for Health and the Global Environment Newsletter

"The Center for Health and the Global Environment at Harvard Medical School is dedicated to clarifying the links between human health and the health of the global environment." The newsletter is published quarterly to provide news reports, updates on current research, synopses of recent meetings, lists of upcoming meetings and events, and an annotated bibliography of significant references. Topic areas listed at the web site are: health impacts of global climate change from physical and biological evidence; habitat degradation, loss of species diversity, and emerging infectious diseases; stratospheric ozone depletion data and health and ecological impacts; toxins; population dynamics; and

economic issues associated with epidemics and extreme weather events. Editors of the newsletter acknowledge that much is uncertain in the field, and they aim "to provide the best estimates of the on-going and long term human health risks associated with global environmental change, even if definitive proof is not forthcoming." Contributions and announcements of publications and meetings should be sent to the editors at chge@warren.med.harvard.edu.

Common Questions about Climate Change

This publication, from the United Nations Environment Programme and the World Meteorological Organization, is available on the web and in print. The booklet answers questions about the Earth's warming, human activities contributing to climate change, climate changes expected in the future, and effect changes may have on humans and the environment. Print copies are available free and may be requested from the the web site at <http://www.gcrio.org/OnLnDoc/docreq-form.html> or by sending an email request with your name and address to help@gcrio.org.

Contemporary Herpetology

ISSN 1094-2246

Quoting from the overview section of the web site," Contemporary Herpetology (CH) is a nonprofit, on-line journal, designed to facilitate the dissemination of scientific information. CH provides professional herpetologists with a forum to rapidly disseminate peer-reviewed work globally. CH maintains high scientific and editorial standards. CH will publish articles covering all aspects of herpetology, including ecology, ethology, systematics, conservation biology, and physiology. CH will also publish monographs, points-of-view, and faunistic surveys of poorly-known areas. CH will not publish herpetocultural or anecdotal papers." Founded 1997 at Southeastern Louisiana University in Hammond, LA, Contemporary Herpetology is accessible via the www, will have its contents made available annually on CD-ROM, and is indexed by Zoological Record and Current Contents.

A Dictionary of Ecological Epidemiology

"Maintained by postdoctoral researcher Jonathan Swinton of the University of Cambridge's (UK) department of Plant Sciences, this site contains cross referenced definitions of hundreds of terms from acquired immunity to zoonosis. It is loosely based on the glossary by Watt, Dobson, et al, in *Ecology of Infectious Diseases in Natural Populations*.

Sleek in design and spare but concise in definition, this is a useful site for anyone interested in quick reference to information on ecological epidemiology.

[JS]" Announcement copied from the Scout Report, Copyright Susan Calcari, 1994-1998. Permission is granted to make and distribute verbatim copies of the Scout Report provided the copyright notice and this paragraph is preserved on all copies. The Internet Scout Project provides information about the Internet to the US research and education community under a National Science Foundation grant: NCR 9712163. The Government has certain rights in this material. [[Scout Report](#)]

[Directory for Medicinal Plant Conservation](#)

This web site presents the contents of the print volume titled, "Directory for Medicinal Plant Conservation," by Max Kasperek, Andreas Gröger & Uwe Schippmann, published by Landwirtschaftsverlag, in Bonn, 1996, (156 pp., ISBN 3-89624-606-2). The compilers work for the Medicinal Plant Specialist Group of the IUCN Species Survival Commission and the German Federal Agency for Nature Conservation (Bundesamt für Naturschutz). This database is part of the German Clearing House Mechanism of the Convention on Biological Diversity.

[Environment, Technology & Society \(Newsletter of the Section on Environment and Technology of the American Sociological Association\)](#)

[FROGLOG](#)

Newsletter of the Declining Amphibian Populations Task Force of the World Conservation Union's Species Survival Commission. FROGLOG provides research reports about the status of amphibians and reptiles. Populations are declining worldwide as a result of industrial chemicals released into the environment, predation, parasite infestation, ultraviolet radiation, landscape changes, habitat destruction, and other forces. Improved reporting on amphibian populations through surveys contributes to greater awareness of their status and threats.

[NewsBriefNews: quarterly newsletter from GreyNet](#)

TransAtlantic/GreyNet produces this newsletter in print, email, and html formats. The newsletter's purpose is to keep grey literature conference participants informed, and it has reader coverage in more than fifty countries worldwide. NewsBriefNews began publication in 1992, and the first issue in 1998 marks its seventh volume. Over time the scope of the

newsletter has expanded to include: book reviews, announcements, special funds, editorials, feature articles, interviews, research results, and site visits. [GreyNet](#)'s web site provides access to NewsBriefNews along with a variety of other information on conferences, publications, and research in grey literature.

[Zero Emissions Research Initiative \(ZERI\) Newsletter on the web](#)

ZERI began in 1994 and organizes educational programs to support industry transformation to zero emission operations. The newsletter is accessible free on the web. The March 1998 issue of the newsletter announces the Fourth Annual World Congress on Zero Emissions scheduled for October 14-18, 1998 in Windhoek, Namibia.

Web Sites Announcing Publications and Software

[Counterpoise \(1997- \)](#)

Alternative quarterly review journal (available in print format only) published by the Alternatives in Print Task Force (AIP) of the Social Responsibilities Round Table of the American Library Association. AIP advocates the acquisition and accessibility of the alternative press to libraries. Counterpoise reviews current English language material on social concerns which provide alternative viewpoints. Materials reviewed are may be in any format from any country. Counterpoise can help librarians and library users discover hard-to-find materials including those which are misrepresented or ignored by mainstream presses. Subscription rates are: \$35.00/year for Institutions; \$25.00/year for Individuals; \$15.00/year for Students and retirees; \$ 9.00/issue for Single copies. Contact: Charles Willett, Editor; 1716 SW Williston Road; Gainesville, FL 32608-4049 Phone: 352-335-2200; Email: willett@afn.org.

Environmental Treaties with Canada CD-ROM from Lawthority

Full text of international treaties and conventions in a variety of subject areas including: Conservation and wildlife protection; Hazardous waste control; Transboundary air pollution; Depletion of the ozone layer; Forestry and timber regeneration; Marine pollution and dumping of wastes; Managing fish stocks; Biological diversity; Weather modification and climate change; Nuclear test ban; Environmental co-operation. Sources have hyperlinks to relevant material in several treaties, and documents are in PDF file format. CD-ROMs are available for free 30 day trial. Contact: Lawthority; 33 Westholme Avenue; Toronto, Ontario;

Canada; M6P 3B9 Phone: (416) 767-7993; Fax (416) 767-8162; Email: info@lawthority.ca.

EstimateS: Statistical Estimation of Species Richness and Shared Species From Samples

EstimateS 5 is described at this web site as software used to "compute randomized species accumulation curves, statistical estimators of true species richness (S), and a statistical estimator of the true number of species shared between pairs of samples, based on species-by-sample (or sample-by-species) incidence or abundance matrices." The software also computes statistical indexes for each sample which indicate diversity and an index of biotic similarity between samples. EstimateS may be downloaded from the site along with its user manual. Dr. Robert K. Colwell, Professor of Ecology and Evolutionary Biology at the University of Connecticut, developed the web site. He created software called "Biota" for specimen-based, biological data and collections management (<http://viceroy.eeb.uconn.edu/biota>) and which is used with EstimateS.

Product Ecology Consultants (Netherlands)

This site contains info on Life Cycle Assessment and Ecodesign, including downloadable demo versions of SimaPro and ECO-it software and the Eco-indicator "manual for designers".

International Institute for Sustainable Development

IISD, headquartered in Winnipeg, Canada states that it's mission is "to promote sustainable development in decision making internationally and within Canada. We contribute new knowledge and concepts, analyze policies, identify and disseminate information about best practices, demonstrate how to measure progress, and build partnerships to amplify these messages." Target audiences are businesses, governments, communities and concerned individuals. The elaborate web site includes sections on topics such as business strategies (with educational modules), trade and sustainable development, and community adaptation and sustainable livelihood.

Salmon Ecology and Restoration--A Case Study in the Resolution of Environmental Conflict

Task Force is an educational CD-ROM series and web site devoted to salmon ecology and the conflict over restoring salmon in the Pacific

Northwest. Case studies of the impact on salmon population of many economic activities in the West are used to help students learn about controversy surrounding restoring salmon. Students develop their own management plan taking into account complex issues from the competing interests of major contributors to the economy of the West and advocates of restoring salmon populations. Instructors of courses in environmental science and conservation biology, ecology, aquatic or marine biology, and fisheries may find this a useful resource. Developed by [CyberLearning](#), the two CD-ROMs contain over two hours of original and archival video as well as several in depth ecological and economic technical reports on the decline in salmon. For further information, see the web site or contact: Ron S. Nolan, Ph.D.; Digital Studios/CyberLearning Collection; <http://www.cyberlearn.com> Email - nolan@cyberlearn.com; (800) 499-3322; (408) 688-3158 outside of US; FAX (408) 688-5738

SITEPRO Software for Environmental Management

A company called Environmental Software announces release of this software product that "provides an all-inclusive environmental management system for soil and water data accessible through a single, easy-to-use interface that loads onto a standard PC. SitePro is designed to manage all phases of site management from initial assessment through remediation and monitoring, as well as waste discharge and operations. SitePro's data exchange tools allow easy import and export to over 25 commonly used industry standard data and map formats including database, spreadsheet, CAD, GIS and images. SitePro manages samples, analytical and hydrogeological information, emissions, monitoring, operations, CAD, GIS, images and other data. This data, along with contours, graphs, boring logs, and cross sections generated by SitePro, are all managed in a single file. SitePro also features automated reports, forms and links to facilitate Web and intranet data distribution." Price: \$2,295 (U.S.); upgrade, maintenance, and service package available for \$275 annually. To order, contact Environmental Software at (888) 368-7389 or through the Internet at <http://www.envsoft.com>.

RECENT BOOKS ON ENVIRONMENTAL SUBJECTS

Ackerman, Diane. *Rarest of the Rare: Vanishing Animals, Timeless Worlds*. New York: Random House, 1997. ISBN 0679776230. US\$12.00.

Adelson, Glenn and Perlman, Dan. *Biodiversity: Exploring Values and Priorities in Conservation*. Malden, MA: Blackwell Science, 1997. 182 pp.

ISBN 086542439X. US\$36.95 paperback.

Araujo-Lima, Carlos and Goulding, Michael. *So Fruitful a Fish: Ecology, Conservation, and Aquaculture of the Amazon's Tambaqui*. New York: Columbia University Press, 1997. 192pp. ISBN 0231108303.

Bardinet, Claude and Royer, J.J. *Geosciences and Water Resources: Environmental Data Modeling*. New York: Springer Verlag, 1997. 312pp. ISBN 354061947X.

Barkley. *Economic Growth and the Environment*. Fort Worth: Harcourt Brace College Publishers, 1998. ISBN 0030095972. US\$47.50 paperback.

Barthem, Ronaldo and Goulding, Michael. *The Catfish Connection: Ecology, Migration, and Conservation of Amazon Predators*. New York: Columbia University Press, 1997. 184 pp. ISBN 023110832X.

Battersby, S.B. *Dictionary of Environmental Science for Lawyers*. New York: John Wiley and Sons, 1997. ISBN 0471969184.

Bazerman, Max H. *Environment, Ethics and Behavior: The Psychology of Environmental Valuation and Degradation*. San Francisco: New Lexington Press, 1997. 393pp. ISBN 0787908096 cloth. ISBN 0787908185 paperback.

Bencherifa, Abdellatif, Swearingen, Will D. *North African Environment at Risk*. Boulder: Westview Press, 1997. ISBN 0813333628. US\$24.00.

Botkin, Daniel B. and Keller, Edward A. *Environmental Science*. New York: John Wiley and Sons, 1998. ISBN 0471157821.

Brenchley, P.J. and Harper, D.A.T. *Palaeoecology: Ecosystems, Environment, and Evolution*. New York: Chapman and Hall, 1998. 402pp. ISBN 0412434504.

Briggs, David (Ed.) and Smithson, Peter. *Fundamentals of the Physical Environment*. New York: Routledge, 1997. 544pp. ISBN 0415108918. US\$29.95.

Brisk, Marion A. *1001 Ideas for Science Projects on the Environment*. Macmillan General Reference: Indianapolis, 1997. 272pp., ISBN 002861707X. US\$12.95.

Brown, Paul. Global Warming: Can Civilization Survive? New York: Sterling Publishing, 1997. 256pp. ISBN 0713726024. US\$19.95.

Calow, Peter. Controlling Environmental Risks from Chemicals: Principles and Practice. New York: John Wiley and Sons, 1997. ISBN 0471969958. US\$54.95.

Carter, Frank, (Ed.) and Turnock, David. Environmental Problems in Eastern Europe. New York: Routledge, 1997. 312pp. ISBN 0415137578. US\$19.95.

Case, Frederick W. and Case, Roberta B. Trilliums. Portland: Timber Press, 1997. ISBN 0881923745. US\$29.95.

Chan, Anthony H. Environmental Stress Testing. Reading: Addison Wesley Longman, 1997. ISBN 0201695855.

Chicago Region Biodiversity Council. Chicago Wilderness: An Atlas of Biodiversity. Chicago: Chicago Region Biodiversity Council, 1997. 64 pp.

Chapman, William K. and Lamont, Eric. Orchids of the Northeast: A Field Guide. Syracuse: Syracuse University Press, 1996. ISBN 0815626975. US\$39.95 US\$17.95 paperback.

Claridge, M.F. (Ed.), Dawah, H.A. and Wilson, M.R. The Units of Biodiversity: Species in Practice. New York: Chapman & Hall, 1997. 456 pp., ISBN 0412631202. US\$69.00.

Clark, William H. II. Retrofitting for Energy Conservation. New York: McGraw Hill, 1997. ISBN 0070119201. US\$49.95.
(<http://www.netcom.com/~whcii/ecr.htm>)

Coastal and Marine Environmental Management. Manila: Asian Development Bank, 1997. 331pp. ISBN 9715610706. US\$20.00.

Committee on Industrial Competitiveness, National Research Council (U.S.). Fostering Industry-Initiated Environmental Protection Efforts. Washington, D.C.: National Academy Press, 1997. 58pp. ISBN 0309056934. US\$15.00.

Cox, Paul Alan. Nafanua: Saving the Samoan Rain Forest. New York: W.H. Freeman and Company, 1997. 238 pp., ISBN 0716731169. US\$19.20.

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CONFERENCES AND EDUCATIONAL OPPORTUNITIES

EnviroNews Environmental Calendar

EnviroLink is a non-profit organization and online community that unites hundreds of organizations and volunteers around the world with millions of people in over 150 countries. EnviroNews Calendar provides thorough, frequently updated listings of scientific and environmental meetings, symposia, seminars, conferences, and courses. Listings are arranged by date and contain brief descriptions of the events, including location and contact addresses.

State of the World: Course taught on the Web (began January 5, 1998)

"The Program in Global Sustainability at the University of California, Irvine is pleased to announce an on-line course, "State of the World", taught by Dr. Barry Costa-Pierce. Students will carry out an in-depth interdisciplinary examination of global issues important into the 21st century of water, pollution, habitat transformations, biological transformations, food, waste, energy, health, and communities. The first part of the course examines the theoretical and applied concepts of sustainability, natural and social ecology, ecosystems management, ecological engineering, and regenerative studies. In the second half, the course covers the tools and practices of sustainability using new ecotechnologies and social science methods. Applications of solar energy, agroecology, ecological aquaculture, biological wastewater, treatment, restoration ecology, and community-based social rehabilitation tools for a sustainable society will be emphasized. The course will also explore where alternative, sustainable societies and farming ecosystems have evolved." --description from email to ET-CONF (See <http://segate.sunet.se/archives/et-conf.html> for related announcements and info about the mailing list.) Contact the instructor, Dr. Barry Costa-Pierce, Sustainable Fisheries & Aquaculture Research & Development, Dept. of Environmental Analysis and Design, University of California Irvine. E-mail: bcp@uci.edu or E-mail: aquaecos@cts.com <http://darwin.bio.edu/-sustain/costapierce.html>

Internet Conference on Integrated Bio-Systems (April to December 1998)

The Institute of Advanced Studies at the United Nations University, Tokyo, and the United Nations Educational, Scientific, and Cultural Organization (UNESCO) Microbial Resources Center, are organizing this

online conference to discuss and share information on integrated bio-systems. Papers will be presented on the web from April-December 1998, allowing discussion of the paper via the web or email lists. Conference topics are divided into four key areas: agriculture, aquaculture, and horticulture; treatment and utilization of food industrial/municipal organic solid wastes and wastewaters; management of natural resources; and built structures. The web site provides titles of papers with a schedule for presentation and discussion, author(s)' names, and each paper's discussion listname.

ECODESIGN 1998 CONTEST for sustainable products and services

Deadlines: category A before 20 May 1998; category B before 30 June 1998, Austria.

"The contest for Ecodesign 98 addresses creative designers, innovative engineers, envisioned entrepreneurs and all other persons, who give concrete attention to the question of future development. Category A is for products, service and (regional) commodity supply systems, all implied in the competitive market. Category B is intended for ideas and visions for the topic "The kitchen of the future".

The first jury-meeting will take place at the "Factor 4 Congress, June 98, The second jury-meeting will be in autumn 98, where the Ecodesign Award will be handed over by the Austrian minister of science. Contact: Lothar Rehse and Roberta Rastl, Zentrum fur Angepaste Technologie, Obere Hauptstrasse 38, 3071 Boheimkirchen, Austria. Phone/Fax: +43 2743 2697; Email: wettbewerb98@ecodesign.at [NatureMapping Program Meeting](#)

May 11 - 14, 1998 at Bay Silverdale, Washington

NatureMapping's goal "is to create a national network that links natural resource agencies, academia, and land planners with local communities, primarily through schools." The meeting will provide and review all the materials (e.g., Monitoring Guidelines, estimated budget, slide scripts, workshop materials, etc.) needed to begin the NatureMapping Program in participants' home states. The NatureMapping Program is a joint effort between the U.S. Geological Survey, Biological Research Division, National Gap Analysis Program, University of Washington, School of Fisheries, Washington Cooperative Fish and Wildlife Research Unit, Washington Department of Fish and Wildlife, and Virginia Game and Inland Fisheries (WildlifeMapping). Contact: Karen M. Dvornich, University of Washington; Washington Cooperative Fish and Wildlife Research Unit; School of Fisheries, Box 357980; Seattle, WA 98195; Phone (206) 543-6475; Fax (206) 685-7471; Email

kgap@salmo.cgs.washington.edu

FIRST INTERNATIONAL FACTOR 4+ CONGRESS AND TRADE FAIR

June 17 - 21, 1998 in Klagenfurt, Austria

"Congress on sustainable production technologies, products and services organized by the Carinthian Trade Fair, Austria and the Wuppertal Institute for Climate, Environment and Energy, Germany. Factor 4 means increasing by a factor of four the productivity of energy, resources and transport, an approach that could be the long term technological strategy for the 21st century, as prof. Ernst van Weizsacker together with Amory and Hunter Lovins demonstrated in the book "Factor Four". Doubling wealth - halving resource use with 50 examples." Contact: Jan-Dirk Seiler, Presidential Office, Wuppertal Institute for Climate, Environment and Energy, Germany. Phone: +49 202 2492 102; Fax: +49 202 2492 108 Email: jan_dirk_seiler@wupperinst.org OR Dr. Bernhard Erlen, Klagenfurter Messe Betriebsgesellschaft mbh, Messeplatz 1, 9021 Klagenfurt, Austria. Phone: +43 463 56800 61; Fax: +43 463 56800 39; Email: ktnmessen@mail.carinthia.co.at (<http://www.ktn-messen.co.at/messe>)

Geographic Information Systems (GIS) in Public Health

August 17 - 20, 1998 in San Diego, California

This third national conference is sponsored by the Agency for Toxic Substances and Disease Registry (ATSDR) together with several institutional cosponsors. Conference events will explore innovative applications of GIS (geographic information systems) and spatial analysis techniques for the protection of public health and the environment. Contact: Bill Henriques, PhD, MSPH; Conference Steering Committee Chair; GIS Coordinator, ATSDR; Phone: 404-639-6088; FAX: 404-639-6076; EMail: wdh2@cdc.gov

Third International Symposium on Environmental Software Systems

August 30 - September 2, 1999

"Due to increasing practical needs, the software support of environmental protection and research tasks is growing in importance and scope. ISESS 1999 is the third conference on Environmental Informatics co-sponsored by the International Federation for Information Processing (IFIP), the world's umbrella organization of computer societies. Its two predecessors were held at Penn State University, USA (1995) and at Whistler Resort, Canada (1997). The purpose of the symposium is to present and discuss the fundamentals, progress, and

actual trends in this area in terms of methods, tools and state-of-the-art applications." University of Otago, New Zealand will host the conference. Contact: Mrs. Linda Robson, ISESS 1999 Conference Secretariat, EII CANADA, University of Guelph, Guelph, N1G 2W1 , Canada Email: linda@snowwhite.cis.uoguelph.ca; Phone: +1 (519) 824 4120 Ext. 3760; Fax: +1 (519) 837 0323 EUROPEAN POSTGRADUATE COURSE IN ENVIRONMENTAL MANAGEMENT (EPCEM) MASTER PROGRAMME in Environmental Management and Policy-making; September 1998 - July 1999 in Amsterdam, The Netherlands.

"EPCEM is a one-year full time course preparing experts to function in teams and to apply an interdisciplinary, problem solving approach to environmental problems in an International / European context. At the end of the course participants will be awarded with the Master's Degree in Environmental Management. Objectives: Tackling environmental issues effectively demands international cooperation between European governments, enterprises and organisations. The European Union is exerting a growing influence on the international environmental policy of member states. Non member countries, too, feel the effects of EU environmental policy in a variety of ways. There are considerable differences among European countries with regard to their environmental policy and management. Aims: a) Contribute to strengthen international cooperation in the field of environmental policy; b) enhance environmental expertise in European countries; c) harmonise environmental policy and environmental management in Europe." Contact: Inter faculty Department of Environmental Science, University of Amsterdam, Nieuwe Achtergracht 130, 1018 VZ Amsterdam, The Netherlands. Phone: +31 (0) 20 525.6232/6206; Fax: +31 (0) 20 525 6272; Email: l.pietersen@frw.uva.nl; Email: c.h.j.oijen@frw.uva.nl ***<http://www.frw.uva.nl/uk.epcem.htm>*** didn't work 4/8/98

1998 IAMSLIC- Polar Libraries Colloquy Joint Conference
September 20-25, 1998, Reykjavík, Iceland

The International Association of Aquatic and Marine Science Libraries and Information Centers (IAMSLIC) and Polar Libraries Colloquy (PLC) will hold a joint conference titled, "Electronic Information and Publications." A conference contents page is accessible at <http://www.hafro.is/hafro/Joint/cont.html> URLs for the two organizations' web pages are: IAMSLIC web page: <http://siolibrary.ucsd.edu/IAMSLIC/> and PLC: <http://www.urova.fi/home/arktinen/polarweb/polar/plcmain.htm>

EURO ENVIRONMENT '98: Pan-European CONFERENCE on Industry and

Performance;

September 23-25, 1998 in Aalborg, Denmark

"This international conference focuses on how industry has responded to the challenge of accelerating demands on sound environmental performance by implementing preventive environmental technologies, building up environmental management systems, and restructuring its organisations to cope with the development of environmental sound production processes and products. Industry and action-oriented researchers will present and discuss initiatives aimed at shaping an industrial community acceptable to a society in which environmental concerns are assigned and will continue to be assigned with ever increasing importance." Themes: Environmental management; Environmentally sound product development; Self regulation versus public regulation; Cleaner technology and prevention; Stake holder management. Contact: Aalborg Kongres & Kultur Center, Europa Plads, Boks 149, 9100 Aalborg. Phone: +45 99 35 5555; Fax: +45 99 35 5580; Email: euro@akkc.dk

ENVIRONMENTAL ENGINEERING AND MANAGEMENT CONFERENCE

September 30 - October 2, 1998 in Barcelona, Spain

All aspects of environmental engineering and management will be addressed, including: strategic issues, environmental management tools, environmental technologies and cleaner production, environmental modelling, and pollution prevention. The topics of education will also be addressed. Major discussion topics at the conference are "the efficient use of all energy sources; the recovery and recycling of materials; the repair of existing damage; and the development of cleaner technological products." Paper submission deadline was 3 February '98. Contact: Liz Kerr, Conference secretariat, Wessex Institute of Technology Ashurst Lodge, Ashurst, Southampton, SO40 7AA, United Kingdom. Phone: +44 (0) 1703 293223; Fax: +44 (0) 1703 292853; Email: liz@wessex.ac.uk; <http://www.wessex.ac.uk>

** OCEANS '98

CONFERENCE on Coastal Management & Ocean Resources,
28 September - 1 October 1998 in Nice, France.

ERCP 98: European ROUND TABLE on Cleaner Production
October 30 - November 12, 1998 in Lisbon, Portugal

"ERCP is a non-profit organisation which provides a European platform for stimulation, development and dissemination of new initiatives to

foster sustainable development with the prime focus on Cleaner Production of products, processes and provision of services. ERCP sets new and revised targets for further developments towards sustainability and stimulates decision-makers, at all levels, to focus their environmental protection efforts and initiatives on holistic and preventive environmental approaches. The round table gives priority to interactive sessions and workshops designed to provide optimal opportunity to exchange knowledge and experience, develop new project ideas and new networks and to find new cooperation partners. Proposals for papers, suggestions and participation on the discussion are welcome." Contact: INETI-ITA, prof.dr. Constanca Peneda, Fax: +351 1 7154084 Email: ercp98@mail.ineti.pt; <http://www.ineti.pt>

PARTNERSHIP AND LEADERSHIP: 7th International Conference of the Greening of Industry Network;
November 15-18, 1998 in Rome, Italy

"Building Alliances for a Sustainable Future'. The focus of this conference will be the engagement of partners in the transition of society towards sustainability. This transformation will require the cooperation, perseverance, and dedication of all actors involved and the development of new procedures, institutions and cultures needed for a productive cooperation. Important questions are which partnerships are needed and who will provide leadership in an advancing globalisation of economy and culture. The conferences of the Greening of Industry Network are a platform for people from diverse backgrounds to exchange ideas, experiences and to develop relationships, visions and practices for sustainability. To facilitate this process a variety of discussion forms will be offered during the conference, such as plenary debate, dialogue workshops, paper workshops, keynote speeches with breakout sessions, and poster presentations." Deadline for proposals to participate in the conference was 28 February 1998. Contact: Ellis Brand/Theo de Bruijn/Johan Schot, Center for Clean Technology and Environmental Policy CSTM, University of Twente, PO Box 217, 7500 AE Enschede, The Netherlands. Phone: +31 53 489 3203; Fax: +31 53 489 4850 Email: E.M.L.Brand@CSTM.utwente.nl; Email: T.J.N.M.deBruijn@CSTM.utwente.nl Kurt Fischer, The George Perkins Marsh Institute, Clark University, 950 Main Street, Worcester, Massachusetts 01610-1477, USA. Phone: +1 508 751 4607; Fax: +1 508 751 4600; Email: kfischer@clarku.edu

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forwarded from the United Nations Environment Programme Working Group on Sustainable Product Development. Contact: Annette van der Sluis at: [at: avdsluijs@unep.frw.uva.nl](mailto:at:avdsluijs@unep.frw.uva.nl) or on the web at <http://unep.frw.uva.nl/>

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Thanks for some of the web sites mentioned in this issue go to: Kathy Gill's enet digest with a weekly newsletter available at <http://agriculture.miningco.com/>

Fred Stoss, Science and Engineering Library, SUNY University at Buffalo (email fstoss@acsu.buffalo.edu) and Chair of Task Force on the Environment of the American Library Association's Social Responsibilities Roundtable. A listserv for the Task Force is available. The address for postings is tfoe@listhost.ciesin.org In order to subscribe, send a note with "subscribe tfoe" in the body of the message to: majordomo@listhost.ciesin.org (leave off the quotation marks).

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