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Title

Environmental Resources on the World Wide Web

Permalink

<https://escholarship.org/uc/item/4fb728xq>

Journal

Electronic Green Journal, 1(14)

Author

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Publication Date

2001

DOI

10.5070/G311410421

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Environmental Resources on the Web

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Publishers and readers are invited to send material for this column to Flora Shrode, Environmental Resources Editor, Electronic Green Journal, Hodges Library, Reference Services, University of Tennessee, Knoxville, TN 37996-1000, USA. TEL: 1-865-974-4415, FAX: 1-865-974-9242.

[BUDGET NOTES](#) -- items about the proposed federal FY '02 budget

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Budget Notes

News and Views from the American Library Association's Task Force on the Environment compiled and edited by Fred Stoss, fstoss@acsu.buffalo.edu, Science and Engineering Library University at Buffalo, State University of New York.

President George W. Bush released his first federal budget, for FY '02. Many environmental, conservation, and ecology-oriented programs were significantly reduced or eliminated. The following is a sample of some of the proposed budget cuts with hints for librarians and libraries to take action.

Planned Closure Of The Conservation & Research Center (CRC)

In a stunning move, the director of the National Zoo (NZP), Lucy Spelman, lspelman@nzp.si.edu, announced the planned closure of the Conservation & Research Center (CRC), effective December 31, 2001. The "official" reason given was that "resources were simply not available to maintain the CRC as a world class facility and as a center for scientific excellence." (See *Washington Post* Style section article on this: <http://www.washingtonpost.com/wp-dyn/articles/A46701-2001Apr5.html>)

Smithsonian Institution (SI) Secretary, Lawrence Small, si.small@ic.si.edu, plans to publish his proposed FY2002 federal budget on Monday April 9, in which he proposes to redirect funds to support "public services" at the SI. This is part of Mr. Small's plan to consolidate and reorganize SI science into a "single digit number of disciplines." The science reorganization is being lead by the Undersecretary for Science, Dr. Dennis O'Connor, si.oconnord@ic.si.edu. Although CRC received ringing endorsements from three external peer reviews conducted during the past 10 years, no such review was conducted before this announcement, and no information was provided on the scientific criteria used to evaluate CRC's conservation and science programs. In late 1999, an internal reorganization consolidated virtually all NZP science under the direction of the Associate Director for Conservation, Dr. Chris Wemmer; this included scientists and affiliated staff from the Department of Zoological Research (now known as the Department of Conservation Biology). **THUS, THE CLOSURE OF CRC WILL VIRTUALLY WIPE OUT ALL SCIENCE AT NZP.** In one brutal and ill-advised action, NZP science has been reduced from the world's pre-eminent zoo-based conservation organization to just another small zoo, with a handful of Ph.D. scientists (almost all in reproductive physiology). Gone will be programs in marine mammal biology, molecular genetics, small population genetic management, migratory birds (including the Migratory Bird Center), field ecology, GIS and remote sensing, animal behavior, monitoring and assessment of biodiversity programs (MAB), and most importantly, conservation biology (including long-term ecological field studies in the US and abroad). The new Smithsonian leadership apparently fails to recognize the eminent achievements of this unique center. Some relevant facts and milestones:

- 2,000 publications in peer-reviewed literature, including *Nature*, *Science*, and *Proceedings of the National Academy of Science*
- \$20 million raised in extramural funding; \$2 million from intramural competitive awards
- Scientists participate on 75 advisory groups ranging from the National Academy of Sciences to the World Conservation Union (IUCN)

- Translation of NZP science into captive animal management has resulted in 25 awards from the American Zoo and Aquarium Association and US Fish and Wildlife service 3000 conservation training course alumni representing over 80 countries, 1000 volunteers, interns, university students and post-doctoral fellows (many of whom have become conservation leaders in the US and in their native countries)

Other milestones:

- First to document threats to neotropical migratory passerines and birds of the Pacific Rim
- Major discoveries in the basic biology of long distance bird migration, and initiatives to mitigate threats to migratory bird survival Founders and scientific advisors to SI-Nepal Tiger Ecology Project
- Advancement of protected area management programs in the developing world through long-term ecological research, training, professional capacity building and community relations Pioneered the development of AZA's Species Survival Plans and Fauna Interest Groups (now known as CAPs) and Taxon Advisory Groups (TAGs)
- Longest running study of the impacts of white-tailed deer overabundance on the ecology of the Eastern Deciduous Biome
- Establishment of the Migratory Bird Center, important as a source of up-to-date and reliable information about migratory birds
- Development of digital technologies for wildlife conservation, including GIS and remote sensing
- Pioneered the development of ancient DNA techniques to study phylogeny using museum specimens and ancient bones
- Breakthroughs in noninvasive hormone monitoring in wildlife species, and the development of assisted reproductive techniques
- Reintroduction on the golden lion tamarin, Arabian oryx, Przewalski's horse, black-footed ferret, Guam rail, Bali mynah
- First biodiversity assessments and ecological studies of dry indaing forests of Burma
- Field research and conservation of Toque macaques, Bengal tigers, Asian and African elephants, tree kangaroos, African wild dogs, ibexes, and desert tortoises, to name only a few
- Development of new anesthesia and medical therapies in a diversity of wildlife species
- Development of innovative husbandry and captive breeding techniques in Pere David's deer, Eld's deer, amakihi, Micronesian kingfishers, Guam rails, golden-lion tamarins, and many others
- First to quantify the detrimental effects of inbreeding on population fitness so common in small captive and wild populations

- Development of small population management software programs, in use worldwide, that have revolutionized how zoos and field biologists manage and maintain genetic diversity
- Novel training programs in Zoo Biology, Wildlife Management, Protected Area Conservation Leadership, Remote Sensing and GIS, Biodiversity and Assessment, Molecular Genetics, Veterinary Medicine, and specifically tailored workshops on related subjects

Implementation of novel environmental education programs that emphasize CRC's cutting-edge research; these include the "Bridging the Americas Program" and the "Environmental Latino Initiative Promoting Science Education", and "Forest Biodiversity Monitoring"

For more than 25 years, CRC has been a pioneering force within the zoo and conservation community. From a cost-benefit perspective, CRC's staff has produced more scientific breakthroughs, published more peer-reviewed manuscripts, secured more grant funding, trained more developing country professionals (in the most countries worldwide), and placed more scientists in zoo and conservation leadership positions in the United States, and abroad, than any other zoological institution in history. CRC's success is derived from the synergy of its physical location (a field site within the Eastern Deciduous Biome), the talents of its staff, the diversity of its science, its emphasis on education and training, and their national and international network of collaborators and partners. No conservation organization worldwide exists to fill the void that will remain once CRC is abolished.

WHAT CAN YOU AND YOUR LIBRARY DO TO HELP?

1. The most important people to reach are your congressional representatives, especially members of the Virginia delegation and the interior appropriations subcommittees listed below.
2. Act quickly! forward this message to all like-minded individuals to maximize the response. an overwhelming outcry from the all corners of the conservation community is essential.
3. Feel free to express your disappointment and dismay, but please communicate your concerns thoughtfully and constructively (inflammatory or sensational statements will not help save crc).
4. Voice your concerns to all of the individuals listed below, including the representatives from your home state.
5. Keep up the pressure!

INDIVIDUALS TO CONTACT ARE LISTED BELOW:

Smithsonian Institution:

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Secretary of the Smithsonian Institution
Smithsonian Institution
100 Jefferson Dr., SW
Washington, DC 20560
TEL: 1-202-357-1846
FAX: 1-202-786-2515

DENNIS O'CONNOR
Undersecretary for Science
Secretary of the Smithsonian Institution
Smithsonian Institution
100 Jefferson Dr., SW
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TEL: 1-202-357-2903
FAX: 1-202-786-2515

LUCY SPELMAN, DIRECTOR
National Zoological Park
National Zoological Park
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TEL: 1-202-673-1846

Senate Appropriations Subcommittee On Interior And Related Agencies:

JOE SKEEN (CHAIRPERSON)
WASHINGTON OFFICE
Rayburn House Office Building
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Washington, DC 20515
TEL: 1-202-225-2365
FAX: 1-202-225-9599

EMAIL

FROM: <http://hillsource.house.gov/skeen/Contact.asp?FormMode=SavingPartialContact>

NORMAN DICKS (RANKING MEMBER)
WASHINGTON OFFICE
2467 Rayburn House Office Bldg.
Washington, D.C. 20515
Phone# (202) 225-5916
Fax# (202) 226-1176

EMAIL FROM: <http://www.house.gov/writerep/>

To locate your U.S. House of Representatives member: <http://www.house.gov/>

To locate your U.S. Senate representatives: <http://www.senate.gov/>

BUSH BUDGET FALLS FAR SHORT ON SCIENCE FOR ENVIRONMENTAL DECISION MAKING

See more at: <http://www.cnie.org/Updates/96.htm>

NATIONAL COUNCIL FOR SCIENCE AND THE ENVIRONMENT EXPRESSES EXTREME DISAPPOINTMENT April 13, 2001, Washington, DC.

The National Council for Science and the Environment (NCSE), a broad-based coalition of nearly 500 scientific, academic, business, environmental, and governmental organizations expressed "extreme disappointment" at the initial budget released today by President Bush. The budget falls far short of President Bush's campaign pledge to place a high priority on investing in science as a basis for effective environmental decisionmaking.

Among the highlights of the Bush budget with respect to science for the environment are:

"These cuts and terminations are in opposition to the Bush Administration's often-repeated statements to base decisions on sound science" stated Dr. Peter Saundry, the Council's Executive Director. "The Bush Administration has stated that insufficient science is the reason for delayed decisions about climate change and arsenic in drinking water. Yet, this budget delays the time when they have enough science to make decisions on these and other important environmental issues."

On March 8, the Council had sent a letter to President Bush urging the new president to make good on a campaign pledge to instruct his administration to place a high priority on investing in science as a basis for effective environmental decision making. The letter was co-signed by more than 130 college and university presidents, scientific, business, and environmental leaders from throughout the country. In their letter to President Bush, the NCSE-led coalition told the Administration that additional funding must be provided for scientific programs in order to:

- assess what is known about the environment,
- better understand the environment,
- provide scientific information about the environment, and

- support science-based education about the environment.

The National Council estimates total federal spending on environmental research and development to be about \$5 billion in the current fiscal year. A preliminary look at the Bush budget suggests that this number may shrink by hundreds of millions of dollars. "In order to protect our environment while growing our economy, science spending should be going up, not down," according to Dr. Saundry.

Release of Report to Assist Science Policymakers

Foreseeing the need to assist the Administration and the Congress in their efforts to make timely and science-based decisions on environmental issues, the Council had convened a conference last December at the National Academy of Sciences for just that purpose. The report of the landmark conference, *Improving the Scientific Basis for Environmental Decisionmaking*, details recommendations to the government by 14 expert working groups which met during the conference to debate such topics as global climate change, biotechnology, and population. The report will be released on Earth Day, April 22. NCSE and supportive members of Congress will hold a briefing in the House Science Committee Hearing room Thursday morning, April 26. Also taking place during this week will be a briefing with supporting Senators. The specific time and place for this hearing are still to be determined.

The National Council for Science and the Environment has been working to improve the scientific basis for environmental decision making since 1990. The Council brings diverse communities and stakeholders together to pursue its vision of a society where environmental decisions are based on an accurate understanding of science, and both its potential and its limitations. Most recently, the Council helped to stimulate the National Science Foundation's new long-term environment science initiative, a milestone effort that seeks to attain an additional \$1 billion-per-year for environmental research, knowledge assessment, and education grants.

For a copy of the letter and signatures, updated information about the release of the NCSE report, other programs sponsored by NCSE, and access to the NCSE National Library for the Environment, consult the NCSE website at <http://www.ncseonline.org>

Kevin Hutton, Webmaster
National Council for Science and the Environment
1725 K St. NW Suite 212, Washington, DC 20006
<http://www.cnie.org>

U.S. Government Sponsored Web Sites

Risk Communications Bibliography from the National Cancer Institute

<http://dccps.nci.nih.gov/DECC/riskcommbib/>

This annotated and searchable bibliography on risk communication claims to be current only through spring of 1999, though feedback is welcome for suggestions about items to add; over 375 items are available as of April 2001. Emphasis is on publications about the specific task of explaining to the public the hazards' nature and magnitude. The intended audience is people with an interest in risk communication, such as health educators, media professionals, psychologists, physicians, nurses, social workers, environmental scientists, and public officials. A one-sentence summary for each citation emphasizes the issues that the authors addressed rather than their conclusions. The collection is coded with a classification system designed for empirical research articles, with elements to describe the setting, communicator, audience, hazard, and outcome variable. Records include a hot link to PubMed entries for the bibliographic item when available.

US Global Change Research Program-"What's New"

<http://www.usgcrp.gov/usgcrp/new.htm>

The "What's New" area of this web site is updated one or two times monthly and provides an efficient way to use the web to monitor important scientific developments. Among new items added in February and March 2001 were: announcements of reports available to the public (such as *Climate Change 2001: Impacts, Adaptation, and Vulnerability*; mentioned also in the "Publications" section of this column), recent press releases, radio programs, announcements of availability of agency data sets, and calls for proposals.

International Web Sites

Arctic Environmental Atlas

<http://maps.grida.no/arctic>

Environmental information on the Arctic region is presented at this web site via an interactive map. Data and maps presented come from global publicly available collections projected to show a polar view. This service draws on work done by UNEP/GRID in Arendal, Norway, a United Nations Environment Program information center. Biodiversity and conservation are featured themes at the web site, and environmental problems the map addresses include land based pollution and climate change.

Global Biodiversity Information Facility (GBIF)

<http://www.gbif.org/>

The GBIF is an international initiative with the goal to provide worldwide access to information about the 1.8 million species of organisms that inhabit the earth. Fourteen countries have joined and collectively pledged over 2.5 million US dollars to support GBIF's first year of operation as the GBIF became operational March 1, 2001. Because data about biodiversity are concentrated in developed countries, GBIF aims to make access to the data easier, particularly to people in developing countries from which much of the data originates. As an interoperable network of databases, GBIF will design systems and promote compilation, linking, standardization, digitization, and global dissemination of biodiversity data with appropriate attribution and attention to property rights. The web site lists members of the governing board and outlines goals for the GBIF's first ten years.

North American Commission for Environmental Cooperation (NACEC)

http://www.cec.org/programs_projects/pollutants_health/trinational/pubs.cfm

Studies made available in March 2001 conclude that air pollution from freight traffic is significant and is projected to grow; also cleaner diesel fuel will reduce some pollution along NAFTA trade corridors. See full text of reports, including *North American Trade and Transportation Corridors: Environmental Impacts and Mitigation Strategies*, at the NACEC's web site. The NACEC was established by the North American Free Trade Agreement as an environmental side accord to build cooperation among Canada, Mexico and the United States to address environmental issues of common concern, particularly those that arise in the context of continent-wide free trade.

Population-Environment Research Network

<http://www.populationenvironmentresearch.org/>

Claiming to be the first web-based resource on international, scientific research into population-environment dynamics, this web site is now online and provides free web-based access to a regularly updated and searchable database of recent grey literature, datasets, and projects on population and environment research from around the globe. Periodic cyberseminars on population and environment topics will be hosted at the site (the title for a cyberseminar in April 2001 is "Population and Environment Dynamics and Relationships in Coastal Areas"). Agencies collaborating to develop and maintain this web site are the International Union for the Scientific Study of Population (IUSSP) and the International Human Dimensions Programme on Global Environmental Change (IHDP). The Center for International Earth

Science Information Network (CIESIN) of Columbia University hosts the site and provides technical support. Funding is provided by the John D. and Catherine T. MacArthur Foundation (United States).

Sustainable Cities

<http://www.rec.org/REC/Programs/SustainableCities/>

This web site features research reports and programs on green urban development. Its categories describe characteristics, advantages, barriers, and successful projects in sustainable cities. The web site is a result of collaborative work done by partner organizations within the Sustainable Development Communications Network (<http://sdgateway.net/project.htm>), an international knowledge network for promoting sustainable development. The organizations seek to accelerate the implementation of sustainable development through broader, integrated communications and are affiliated with the Regional Environmental Center for Central and Eastern Europe.

UNEP.net (United Nations Environment Programme)

<http://www.unep.net/>

This web site, launched in September 2000, is designed bring together environmental information and data providers, and to facilitate the exchange of information between them by using the most current Internet technologies. Major sections of the web site are news, applications, emerging issues, land, water, climate, and biodiversity. Users may search the site and generate reports from data available in remote environmental databases and servers. Staff members from the Environmental Systems Research Institute (ESRI), global leaders in development of geographic information system technologies, have been instrumental in starting the UNEP.net initiative, contributing both technical and substantive environmental expertise.

World Resources 2000-2001: People and Ecosystems: The Fraying Web of Life

<http://www.wri.org/wr2000/index.html>

Preliminary findings from the Millennium Ecosystem Assessment, an international effort to gauge the health of the world's forests, grasslands, coastal, and freshwater areas. Data tables are available in several categories including agriculture and food; biodiversity and protected areas; climate; and population, health, and human development. A section on ecosystems addresses agro ecosystems, coastlines, forests, freshwater, and grasslands. The web site provides also information about global trends and a collection of maps.

Educational Web Sites

Discover Life

<http://www.discoverlife.org/>

Discover Life is a non-profit organization working cooperatively with the National Park Service to conduct a comprehensive inventory of all life forms in the Great Smoky Mountains National Park. The program is called an "All Taxa Biodiversity Inventory" (ATBI) and will catalog species living in the 800-square-mile national park located within the North Carolina and Tennessee. The Great Smoky Mountains is one of the richest regions of biodiversity in the Temperate Zone.

IISDnet Research Library

<http://www.iisd.org/ic/>

IISD stands for the International Institute for Sustainable Development, and its library serves as a clearinghouse for sustainable development policy research and analysis. Physically located at IISD headquarters in Winnipeg, Manitoba, Canada, the library provides web-accessible information that may be useful to researchers involved in government, business, or personal educational projects. The library supports a database called SD-Cite, which contains over 17,000 records representing books, reports, articles, organization websites, CD-ROMS, and videotapes on sustainable development policy. Sections of the library's web site called "SD Principles" and "Research Guides" provide detailed information about fundamental sustainable development issues and initiatives with bibliographies and links to resource materials. Articles that are not available electronically may be photocopied for a fee.

Corporate, Professional Society, Or Other Organizations' Web Sites

Earth On Edge

Report by Bill Moyers to air on PBS in June 2001

<http://www.pbs.org/earthonedge/>

A report by Bill Moyers entitled *Earth on Edge* will premiere on PBS June 19, 2001 at 8:00 p.m. EST (check local listings). The associated web site is available now and will launch officially June 1. The report will "reveal recent scientific evidence that we are approaching a key environmental threshold; it showcases new data depicting the scale of human impact on the planet's life-support systems. The broadcast coincides with the launch of the Millennium Ecosystem Assessment, an international effort to gauge the health of the world's forests, grasslands, coastal, and freshwater areas.

Preliminary findings were featured in the World Resources Institute's *World Resources 2000-2001: People and Ecosystems: The Fraying Web of Life*" (<http://www.wri.org/wr2000/index.html>).

Environment/Life/Work:

A forum about the intersection of environment and academia/work in our own lives

http://environmental_lives.tripod.com/index.htm

An outgrowth of a meeting called "Confluence: An Ante-Conference in Environmental History," held in February 2001 in Tucson, Arizona, this web site is an open forum inviting professionals in environmentally-related fields to discuss how environmental experiences shape their academic or professional lives. Steve Holmes (StevenJHolmes@cs.com) of Roslindale, Massachusetts, has launched the site as a place where academics and professionals may "reflect upon the personal experiences of nature and place that have shaped their intellectual and career paths, the ways in which their study and work have shaped their patterns of environmental experience, and our goals and challenges for the future."

Environmental Justice Resources on the Internet
(Site maintained by the Pacific Institute)

<http://www.pacinst.org/ej.html>

Updated monthly, this web site provides links to local, national and international resources on environmental justice including institutional sites, publications, and databases.

Environmental Management and Health Internet Research Register

http://www.mcbup.com/research_registers/emh/sponsors.asp

MCB University Press maintains this web site intended to foster networking and awareness of research activity in projects focusing on the environment, environmental health, and sustainability. Researchers may register themselves and describe projects underway. The site is searchable and designed to provide access to pre-publication information and to foster networking.

Environmental Sustainability Index

http://www.ciesin.org/indicators/ESI/pilot_esi.html

The *Environmental Sustainability Index* (ESI) "is a measure of overall progress towards environmental sustainability, developed for 122

countries." The index is based on 22 core "indicators," each of which combines two to six variables for a total of 67 underlying variables. ESI makes it possible to compare nations' environmental progress in a systematic and quantitative fashion as part of a move to encourage more analytically driven approach to environmental decision making. Collaborators who work cooperatively to produce the ESI include the World Economic Forum's Global Leaders for Tomorrow Environment Task Force, the Yale Center for Environmental Law and Policy, and the Columbia University Center for International Earth Science Information Network (CIESIN). Users of the web site may download reports in PDF format, and a PowerPoint presentation and an Excel spreadsheet are under development.

HORIZON Solutions Site

<http://www.solutions-site.org>

The *HORIZON Solutions Site* presents readily accessible peer-reviewed answers to problems in environment, health, population and development. Case studies are presented which provide guidance from experiences in successful initiatives. Submissions for possible inclusion are invited. Material on the site is searchable by category (e.g., agriculture, desertification, population, toxic chemicals) or by region of the world. HORIZON is an international not-for-profit research, development and film production organization dedicated to fostering solutions to problems in the areas of health, environment, development and population. HORIZON Communications' Solutions Site collaborators are: International Development Research Centre (IDRC) of Canada, the United Nations Development Programme (UNDP), UN Environment Programme (UNEP), UN Population Fund (UNFPA), Yale University, and HORIZON's colleagues at Harvard University.

International Society of Industrial Ecology (ISIE)

<http://www.yale.edu/is4ie>

ISIE is a newly established international society whose mission is to promote the use of industrial ecology in research, education, policy, community development, and industrial practices. A steering committee was formed, and membership became open in February 2001. The School of Forestry and Environmental Studies at Yale University serves as the Society's international secretariat during the start-up period. Membership benefits include a subscription to the *Journal of Industrial Ecology* (an international, multi-disciplinary peer-reviewed quarterly published by MIT Press for Yale University), a newsletter, discounts on international conferences, and access to electronic information about the field. The Society's inaugural meeting

will be entitled, "The Science and Culture of Industrial Ecology" and will be held November 12-14, 2001 in the Netherlands.

New York State Archives

Rediscovering New York History and Culture "Environmental Affairs"

<http://www.archives.nysed.gov/services/programs/rediscovering/rediscovering2.htm>

Follow "Links by Subject" listing for "Environment" (the section's URL is <http://www.archives.nysed.gov/services/programs/rediscovering/documentation.htm#Environmental>). The New York State Archives has developed the *Rediscovering New York History and Culture* web site as part of its mission to document the diverse topics, people, and events in New York history. Making documentary evidence easily accessible, the web site serves as a pathway to direct users to historical records and documents around the state.

"Environmental Affairs" is one of the key topics included in the new site, and documents available include: a historical overview of environmental history in New York (60 pgs, 180k in PDF format); a preliminary guide to archival collections that document environmental affairs in New York (in three parts, PDF format); an environmental topics matrix, parameters statement, and other materials about the documentation project itself; and links to other sites, guides to records, on-line exhibits, and projects related to the historical record of environmental affairs.

TerraKnowledge Network

<http://www.terraknowledge.net/>

This web site is intended to make research on social and environmental issues readily available so it can be useful to people in their personal and political lives and help inform public debate. Articles posted are searchable by keyword, and cross-links will provide logical connections among articles on related topics. Rigorous research reported with thorough documentation is sought from contributors. Material is welcome from people who work in educational institutions and non-profit organizations as well as independent researchers and writers.

Trade Secrets

<http://www.pbs.org/tradesecrets/>

In March 2001 a documentary called *Trade Secrets* aired on PBS. Investigative journalist Bill Moyers and producer Sherry Jones explore the development of synthetic chemicals used to produce products common in most households. They raise questions about the chemical industry's practices in testing the chemicals and present several case studies. The web

site provides access to documents used to create the documentary, transcripts of interviews, and excerpts from several books and articles for background information.

Trade Secrets/Coming Clean-Just the Beginning
<http://www.mapcruzin.com/news/news012601a.htm>

Michael R. Meuser (meuser@mapcruzin.com), Right-to-Know advocate, has compiled information related to the *Trade Secrets* PBS program and associated materials such as responses to the program from the chemical industry, reactions from environmental organizations to those chemical industry responses, and many full text documents for background.

Conferences

American Library Association Annual Conference, June 14-19, 2001, San Francisco, California, USA.

Program of the Task Force on the Environment (TFOE): *Earth Day in the 21st Century, Environmental Activism to Save the Planet*, June 16, 2:00 p.m.-3:30 p.m.

Denis Hayes, founder the first Earth Day back in 1970 an event often credited with launching the modern American environmental movement, discusses the history of Earth Day and its importance as a political action model for environmental awareness. Denis was chosen by the National Audubon Society as one of the 100 most important conservation figures of the 20th Century. Hayes believes that information is a powerful force for change. He will present ways that librarians can join the citizens in five continents in developing an activist agenda and an informed global constituency to achieve a sustainable planet and efficient use of renewable resources. Speakers: Denis Hayes, president of the Bullitt Foundation in Seattle, chair of the Energy Foundation in San Francisco, and chair of Earth Day 1990 and 2000; Frederic W. Stoss, past chair of the Task Force on the Environment, SRRT Coordinator, and Biological Sciences Librarian at State University of New York, Buffalo; Maria Anna Jankowska, chair of the Environmental Task Force and general editor of the *Electronic Green Journal* published by the University of Idaho, Moscow, Idaho.

American Library Association Annual Conference, June 14-19, 2001, San Francisco, California, USA.

Program Title: *Sustaining Libraries for the Future: Energy Efficiency, Friendly Buildings and Librarians' Sustainability*, June 17, 2:00 p.m.-4:00 p.m.

Can libraries spend more of their budget for information resources by spending less for energy? Three speakers will offer practical guidelines on how to plan, design, and operate library buildings that are energy efficient, conserve resources, save money, focus on the people, and are sustainable for use in the long run. Don't miss this program-you will gain valuable information on "10 Commandments of Library Energy Conservation," tips for strategic and sustainable planning in your library, and how to use your own conservation activities to teach the public about energy conservation. Speakers: Cate Gable, poet, author, teacher consultant, founder and president of Axioun Communication International, Berkeley, California; Donald Wulfinghoff, author of *Energy Efficiency Manual* and president of Wulfinghoff Energy Services, Inc., Wheaton, Maryland; James Weiner, director of Sustainable Architecture, Fields Devereaux, Architects & Engineers, Los Angeles, California; Irwin Weintraub, chair of the Environmental Task Force and Life Sciences Specialist, Brooklyn College Library, Brooklyn, New York. For more information contact Maria Anna Jankowska (majanko@uidaho.edu) or Irwin Weintraub (irwinw@brooklyn.cuny.edu).

Canadian Society for Ecological Economics (CANSEE) National Conference, August 23-25, 2001, Montreal, Quebec, Canada.
Ecological Sustainability in a Global Market Economy
<http://www.mcgill.ca/mse/cansee/>

The conference will be held at McGill University and is co-hosted by the McGill School of Environment (MSE) and Concordia University. The Keynote speaker for the conference will be Lester R. Brown, chairman of the Worldwatch Institute. For information about registration contact: Teresa Alper, Special Projects, McGill School of Environment, 3534 University Street, Montreal, Quebec H3A 2A7 Canada. (TEL: 1-514-398-5826, FAX: +1-514-398-1643, E-mail: outreach@mse.mcgill.ca)

Wetlands and Remediation: The Second International Conference, September 5-6, 2001, Sheraton Burlington Hotel and Conference Center, Burlington, Vermont, USA
<http://www.battelle.org/wetlandscon/default.htm>

Contacts: Karl Nehring of Battelle, Conference Chairman (TEL: 1-614-424-6510, E-mail: nehringk@battelle.org), and Carol Young, Conference Coordinator (TEL: 1-614-424-7604, E-mail: youngc@battelle.org). For information on registration, contact: The Conference Group (TEL: 1-800-783-6338 or +1-614-424-5461, FAX: +1-614-488-5747, E-mail: conferencegroup@compuserve.com).

Sixth Annual Meeting of the Canadian Amphibian and Reptile Conservation Network, October 18-22, 2001, Charlottetown, Prince Edward Island, Canada.
<http://eqb-dqe.cciw.ca/partners/carcnet/about/meeting2001.html>

Deadlines: abstract, registration form, and payment due August 24, 2001

17th Annual Conference on Contaminated Soils, Sediments and Water, October 22-25, 2001, University of Massachusetts, Amherst, Massachusetts, USA.

<http://www.UMassSoils.com>

Topics to include bioremediation, chemical analysis, cleanup standard setting, environmental fate and modeling, hazard exposure and risk assessment, hydrocarbon identification, innovative technologies, jet fuel contamination, regulatory programs and policies, site assessment/field sampling, soil chemistry, and standard remedial technologies/corrective actions. Contact: Denise Leonard (TEL: 1-413-545-1239, E-mail: info@UMassSoils.com).

Organization of Fish and Wildlife Information Managers 2001 Annual Meeting and Workshop, November 4-7, 2001, Portland, Oregon, USA.

Data Standards from A to Z

<http://www.ofwim.org/ofwim2001.html>

Deadline for proposals is June 1, 2001. Contact: Lila Borge Wills, Presentation/Papers Coordinator (TEL: 1-540-231-7348, E-mail: lborge@vt.edu).

Publications: Books, Reports, Online Periodicals, And More

Guides

Environmental Media Services

Reporters' Guide to Genetic Engineering in Agriculture

http://www.ems.org/food/media_guide.html

Intended to help journalists cover the issue of genetically engineered food, plants and animals. Written by former journalists and reviewed by biotech experts. Full text of the guide is available from the Web in PDF files; working journalists may request a free, spiral-bound print copy from Environmental Media Services, 1320 18th St. NW, Washington, DC 20036 USA. (TEL: 1-202-463-6670, E-mail: ems@ems.org)

Dissertations

Dissertations from the International Institute for Industrial Environmental Economics Lund University, Sweden

<http://www.lu.se/IIIEE/publications/reports/index.html>

Full text of dissertations (PDF files) on a wide range of topics such as sustainable tourism, environmental management in manufacturing industries, and sustainable strategies in energy sectors.

Reports

Athanasidou, Tom. (2001). *Climate change: Europe at the crossroads* (From *Foreign Policy in Focus* at: <http://fpif.org/index.html>). Available on the World Wide Web: <http://fpif.org/commentary/0103climate.html>

Dissmeyer, George E. (Ed.). (2000). *Drinking water from forests and grasslands: A synthesis of the scientific literature* (Gen. Tech. Rep. SRS-039). Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. Available on the World Wide Web at the Southern Research Station web site under "Research Reports:" <http://www.srs.fs.fed.us/>

Reviews the scientific literature about the potential of common forest and grassland management to introduce contaminants of concern to human health into public drinking water sources.

Gelbspan, Ross. (2001). *U.S. scuttles latest chance to avert global warming catastrophe* (From *Foreign Policy in Focus* at: <http://fpif.org/index.html>). Available on the World Wide Web: <http://fpif.org/commentary/0102warming.html>

Gleick, Peter. (2000). *Water: The potential consequences of climate variability and change for the water resources of the United States* (A report of the National Water Assessment Group for the U.S. Global Change Research Program). Oakland, CA: Pacific Institute for Studies in Development, Environment, and Security. Available on the World Wide Web: <http://www.pacinst.org/naw.html>

International Centre for Integrated Mountain Development. Recent reports. For information and prices, see the ICIMOD web site: <http://www.icimod.org.sg/publications/pubmenu.htm>

IPCC third assessment report: Contributions of IPCC working groups. (n.d.). Geneva, Switzerland: Intergovernmental Panel on Climate Change. Available on the World Wide Web: <http://www.ipcc.ch/>

This web site provides ongoing coverage of activities of the IPCC. The web site provides summaries of reports from working groups addressing aspects of climate change, such as Climate Change 2001: The Scientific Basis (from Working Group I of the IPCC).

Banskota, M., Papola, T. S., & Richter, J. (Eds.). (2000). *Growth, poverty alleviation and sustainable resource management in the mountain areas of South Asia: Proceedings of the international conference, 31 Jan-4 Feb 2000, Kathmandu, Nepal*. Kathmandu, Nepal: International Centre for Integrated Mountain Development. ISBN 3-934068-36-7.

Banskota, M., & Chalise, S. R. (Eds.). (2000). *Waters of life: Perspectives of water harvesting in the Hindu Kush-Himalayas: Proceedings of the Regional Workshop on Local Water Harvesting for Mountain Households in the Hindu Kush-Himalayas, Kathmandu, March 14-16, 1999 (2 vols.)*. Kathmandu, Nepal: International Centre for Integrated Mountain Development. ISBN 92-9115-104-1 (Set); 92-9115-104-1 (Vol. 1); 92-9115-121-1 (Vol. 2).

Blaikie, P. M., Sadeque, S. Z. (2000). *Policy in high places: Environment and development in the Himalayan region*. Kathmandu, Nepal: International Centre for Integrated Mountain Development. ISBN 92-9115-233-1.

Tulachan, P. M., Saleem, M. A. M., Maki-Hokkonen, J. (Eds.). (2000). *Contribution of livestock to mountain livelihoods: Research and development issues*. Kathmandu, Nepal: International Centre for Integrated Mountain Development ; Beijing, China: Chinese Academy of Sciences. ISBN 92-9115-264-1.

Rocky Mountain Institute: WATER
<http://www.rmi.org/sitepages/pid172.asp>

Several reports are available in PDF format at this web site. They address the Rocky Mountain Institute's work on topics such as "daylighting" streams-exposing formerly culverted or buried streams, storm water, and technologies for water quality protection. The web site states that "the Rocky Mountain Institute develops and implements practical and profitable environmental and resource solutions for organizations and companies, changes the minds of those who make the rules, and informs and inspires citizens. Its mission is to foster the efficient and restorative use of natural and human capital to create a more secure, prosperous and life-sustaining world."

Books

Batabyal, Amitrajeet A., & Hamid Beladi (Eds.). (2000). *The economics of international trade and the environment*. Boca Raton, FL: Lewis Publishers. ISBN 1-56670-530-4. US\$69.95

Bouma, Jan Japp, Marcel Jeucken, & Leon Klinkers. (2001). *Sustainable banking: The greening of finance*. Sheffield, United Kingdom: Greenleaf. ISBN 1-874719-38-1. £45.00; US\$84.00

Borrini-Feyerabend, G., M. T. Farvar, J. C. Nguingui, & V. A. Ndangang. (2000). *Co-management of natural resources: Organising, negotiating and learning-by-doing*. Kasperek Verlag: Heidelberg, Germany. Available on the World Wide Web: <http://nrm.massey.ac.nz/changelinks/cmnr.html>

Brown, Peter G. (2000). *Ethics, economics and international relations*. Edinburgh, United Kingdom: Edinburgh University Press. ISBN: 0-7486-0892-3. US\$24.00

Charter, Martin (Ed.). (2001). *Sustainable solutions: Developing products and services for the future*. Sheffield, United Kingdom: Greenleaf. ISBN 1-874719-36-5. £40.00; US\$75.00

Dean, Cornelia. (1999, 2000). *Against the tide: The battle for America's beaches*. New York: Columbia University Press. ISBN 0-231-08418-8 (cloth); 0-231-08419-6 (paper). US\$24.95 cloth; US\$16.95 paper.

Gensel, Patricia G., & Dianne Edwards (Eds.). (2001). *Plants invade the land: Evolutionary and environmental perspectives*. New York: Columbia University Press. ISBN 0-231-11160-6 (cloth); 0-231-11161-4 (paper). US\$65.00 cloth; US\$32.00 paper.

Goudie, Andrew S., & David J. Cuff (Eds.). (2001). *Encyclopedia of global change. Vol. 1, Environmental change; Vol. 2, Human society*. Oxford, United Kingdom: Oxford University Press. ISBN 0-19-510825-6. US\$275.00

Harris, Paul G. (Ed.). (2001). *The environment, international relations, and U.S. foreign policy*. Washington, DC: Georgetown University Press. ISBN 0-87840-832-0. US\$65.00

Hillary, Ruth (Ed.). (2000). *ISO 14001: Case studies and practical experiences*. Sheffield, United Kingdom: Greenleaf. ISBN 1-874719-27-6. US\$40.00

Munn, R. E. (Ed.). (2001). *Encyclopedia of global environmental change (5 vols)*. Chichester, United Kingdom: John Wiley & Sons. £1,250; US\$1,850

O'Neill, Brian C., F. Landis MacKellar, Wolfgang Lutz, & Lee Wexler (Eds.). (2001). *Population and climate change*. Cambridge, United Kingdom: Cambridge University Press. ISBN 0-521-66242-7. US\$49.95

Redclift, Michael (Ed.). (2000). *The international handbook of environmental sociology*. Boston, MA: Edward Elgar. ISBN: 1-84064-243-2 (paper). US\$40.00

Directories

Agricultural Information Resource Centers: A World Directory 2000
<http://www.nisc.com/factsheets/airc.htm>

Electronic database edition of a directory produced cooperatively by the International Association of Agricultural Information Specialists (IAALD) and the National Information Services Corporation (NISC). The directory includes complete addresses and phone numbers for nearly 4,000 libraries and documentation centers in 189 countries. Most entries also include size, subjects, and language of collections; type of institution; type of materials collected; services provided; name and phone number of the director; and information on databases available. Internet URLs when available, phone and fax numbers, and e-mail addresses are also provided. The primary language of the directory is English, but names of institutions in other romanized languages have been included.

Contact Debbie Durr by phone 1-410-243-0797 or email at sales@nisc.com to inquire about 30-day free trials (available to qualifying institutions) and subscription pricing.

Periodicals

Overseas Development Institute
Natural Resource Perspectives
<http://www.odi.org.uk/nrp/index.html>

Since 1994 the Overseas Development Institute (ODI) has published these brief summaries on recent research and analysis of policy issues in natural resources. ODI, an independent think-tank on international development and humanitarian issues, publishes about 12 *Natural Resources Perspectives* papers annually and sends them to policy makers, researchers, and non-governmental sector employees. Titles of some recent issues are: "Redistributive land reform in Southern Africa," "Re-examining the 'more people less erosion' hypothesis: special case or wider trend?" and "GMOs and NGOs: biotechnology, the policy process, and the presentation of

evidence." Other publications from ODI are available at its web site (<http://www.odi.org.uk/>) as well.

Safeguarding our Water

Scientific American, February 2001 issue

<http://www.sciam.com/2001/0201issue/0201gleick.html>

Scientific American makes three feature articles available online. They describe the magnitude of the world's pressing water problems, prospects for improving water use efficiency in all sectors, the challenges facing irrigated agriculture and world food production, and some innovative approaches that might help contribute to solving the most pressing problems, including desalination, water bags, recycling and reclamation, and increased efficiency. The link above leads to, "Making Every Drop Count," by Peter H. Gleick, of the Pacific Institute for Studies in Development, Environment, and Security."

Soil & Sediment Contamination: An International Journal

MANUSCRIPTS SOUGHT (for information see <http://www.aehs.com/jssc>)

The publishers of *Soil & Sediment Contamination* seek manuscripts for this bi-monthly, international, peer-reviewed publication with a focus on scientific and technical information, data, and critical analysis in the following areas: analytical chemistry, site assessment, environmental fate, risk management, environmental modeling, regulatory programs and policies, remediation technologies/corrective actions, and legal considerations.

Contact Denise A. Leonard, Managing Editor, at TEL: 1-413-545-1239, E-mail: dleonard@schoolph.umass.edu

The Trumpeter: Journal of Ecosophy

<http://trumpeter.athabascau.ca/>

An environmental Canadian journal addressing topics in deep ecology, a new online issue of *The Trumpeter* is available. Editor Bruce Morito of Athabasca University in Alberta has developed *The Trumpeter's* online presence and is overseeing conversion of archival issues to web accessible form. See the web site for background and information about how to subscribe and/or support the journal.

Online Forums And Listservs

Weathervane

Online forum from Resources for the Future (RFF)

<http://www.weathervane.rff.org/>

Weathervane is an online forum designed to provide analysis and commentary on U.S. and global policy initiatives related to climate change. Launched in 1997, the forum is aimed at news media, legislators, opinion leaders, and interested citizens. This online forum is a complement to RFF's Climate Economics and Policy Program (http://www.rff.org/misc_docs/climate_program.htm). Resources for the Future is a Washington, D.C.-based nonprofit and nonpartisan think tank that conducts independent research on environmental and natural resource issues, primarily in economics and social sciences.

Videos

Since The Company Came

First Run/ Icarus Films

<http://www.frif.com/subjects/ecology.html>

This film by Russell Hawkins presents the Haporai people of the Solomon Islands who confront extensive logging to combat the social, cultural, and ecological disintegration it causes. Contact: Ryan Krivoshey, First Run / Icarus Films; 32 Court Street, 21st Floor; Brooklyn, NY 11201 USA. (TEL: 1-718-488-8900; FAX: 1-718-488-8642; E-mail: ryan@frif.com)