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BOOKS RECEIVED

Agriculture and the Nitrogen Cycle: Assessing the Impacts of Fertilizer Use on Food Production and the Environment. Edited by Arvin R. Mosier, J. Keith Syers & John R. Freney. Washington, DC: Island Press, 2004. Pp. 296. \$40.00 paper; \$80.00 cloth. Providing a global assessment of the role of nitrogen fertilizer in the nitrogen cycle and emphasizing the need to maintain food and fiber production while minimizing environmental impacts where fertilizer is abundant, and the need to enhance fertilizer utilization in systems where nitrogen is limited.

Aldo Leopold: A Fierce Green Fire. By Marybeth Lorbiecki. Guilford, CT: The Globe Pequot Press, 2005. Pp. 224. \$14.95 paperback. Describing America's conservation history through the life of this national and international hero, who articulated an American land ethic that answers the question, "How can we live on the land without spoiling it?"

Asian Water Supplies: Reaching the Urban Poor. By Arthur C. McIntosh. Manila, Philippines: Asian Development Bank, 2003. Pp. 199. \$15.00 paper. Providing a comprehensive review of waterwork agencies in Asia, starting from the origin of raw water to the end of the pipeline, and insight into and a guide to considering policy and strategy, organizational arrangements, financing options for managing water resources, and services for water supplies and sanitation.

Blue Genes: Sharing and Conserving the World's Aquatic Biodiversity. By David Greer & Brian Harvey. London: Earthscan, 2004. Pp. 231. \$39.95 paperback; \$110.00 hardback. Looking at the issues of ownership, governance, and trade in aquatic genetic resources and describing the growing demand for these resources and the desperate need to fill the policy vacuum for the management and conservation of aquatic biodiversity as a foundation for rules governing access to and use of aquatic resources.

Boiling Point: How Politicians, Big Oil and Coal, Journalists, and Activists Have Fueled the Climate Crisis – and What We Can Do to Avert Disaster. By Ross Gelbspan. New York, NY: Basic Books, 2004. Pp. 254. \$22.00. Arguing that, unchecked, climate change will swamp every other issue facing us today, revealing exactly how the fossil fuel industry is directing the Bush administration's energy and climate policies, and offering a concrete plan for averting a full-blown climate catastrophe.

The Bottomless Well: The Twilight of Fuel, The Virtue of Waste, and Why We Will Never Run Out of Energy. By Peter W. Huber & Mark P. Mills. New York: Basic Books, 2005. Pp. 214. \$26.00 Hardcover. Showing how a better understanding of energy will radically change our views and policies on a number of very controversial issues and explaining why demand for energy will never go down; why most of what we think as "energy waste" actually benefits us; why more efficient cars, engines, and bulbs will never lower demand; and why energy supply is infinite.

Choosing Environmental Policy: Comparing Instruments and Outcomes in the United States and Europe. Edited by Winston Harrington, Richard D. Morgenstern & Thomas Sterner. Washington, DC: RFF Press, 2004. Pp. 283. \$32.95 paperback; \$70.00 cloth. Comparing the costs and outcomes of two regulatory instruments, command and control policies and regulation by economic or market-based incentives, by examining real-world applications using paired case studies from the United States and Europe.

Climate Change and the Kyoto Protocol's Clean Development Mechanism. By Margie Orford, with Stefan Raubenheimer & Barry Kantor. London: ITDG Publishing, 2004. Pp. 107. \$22.50 paperback. Providing a non-technical account of what inspired people to transform the dry language of this international climate change treaty into measurable improvements in people's lives, showing how the elegant creativity science merges with the complexities of politics and human behavior.

Determining the Economic Value of Water: Concepts and Methods. By Robert A. Young. Washington, DC: RFF Press, 2005. Pp. 357. \$80.00 cloth; \$39.00 paper. Providing a conceptual framework for valuation of both commodity and public good uses of water; addressing valuation techniques appropriate to measuring public benefits, emphasizing the commodity uses of water by agriculture, industries, and households; and describing the various measurement methods and illustrating how they are applied in practice—their strengths, limitations, and appropriate roles.

Earth in Mind: On Education, Environment, and the Human Prospect, 10th anniversary ed. By David W. Orr. Washington, DC: Island Press, 2004. Pp. 221. \$19.95 paper. Establishing the grounds for a debate about education and knowledge by describing the problems of education from an ecological perspective and challenging the "terrible simplifiers" who wish to substitute numbers for values, following with a presentation of principles for re-creating education in the broadest possible way, and concluding by presenting concrete proposals for reorganizing the curriculum to draw out our affinity for life.

The Eco Guide to Careers That Make a Difference: Environmental Work for a Sustainable World. By The Environmental Careers Organization. Washington, DC: Island Press, 2004. Pp. 424. \$34.95 cloth; \$18.95 paper. Addressing five key issues and challenges facing traditional views of environmental careers as the strategies for protecting our environment are moving from expensive, technical interventions involving highly educated professionals to transformative political, social, economic, and lifestyle alterations that reduce the need for a specialized priesthood of "environmental" professionals.

Environmentality: Technologies of Government and the Making of Subjects. By Arun Agrawal. Durham, NC: Duke University Press, 2005. Pp. 325. \$79.95 cloth; \$22.95 paper. Showing how decentralization strategies change relations between states and localities, community decision makers and common residents, and individuals and the environment and establishing that theories of environmental politics are enriched by attention to the interconnections between power, knowledge, institutions, and subjectivities.

Global Intelligence and Human Development: Toward an Ecology of Global Learning. By Mihai I. Spariosu. Cambridge, MA: The MIT Press, 2004. Pp. 287. \$23.00 paper. Presenting a new conceptual framework for dealing with globalization from an intercultural perspective and outlining an innovative model of learning based on an ethic of global intelligence, which the author defines as the ability to understand and work toward what will benefit all life on earth.

International Law and Sustainable Development: Principles and Practice. Edited By Nico Schrijver & Friedl Weiss. Boston, MA: Martinus Nijhoff Publishers, 2004. Pp. 711. \$182.00. Illustrating various aspects of efforts of policy makers and regional and national interest groups to invoke and rely upon international law for the realization of the objective of sustainable development, dealing in particular with recent examples of the practice of states and of relevant international organizations.

International Law, Sustainable Development and Water Management. By Antoinette Hilderling. The Netherlands: Eburon Academic Publishers, 2004. Pp. 226. \$27.50 paper. Addressing the question, "In what way can international law contribute to the achievement of sustainable development in and through water management?"; in searching for an answer water is analyzed as a social, economic, and ecological good.

Introduction to Water In California. By David Carle. Los Angeles: University of California Press, 2004. Pp. 261. \$16.95 paperback. Telling the story of California's water by tracing the journey of water in the state from the atmosphere to the snowpack, faucets, and foods and by providing up-to-date information on water quality in the state.

The Last Giant of Beringia: The Mystery of the Bering Land Bridge. By Dan O'Neill. Boulder, CO :Westview Press, 2004. Pp. 231. \$26.00 cloth. Telling the life story of geologist Dave Hopkins and revealing his fascinating science detective story that at last confirmed the existence of the land bridge that served as the intercontinental migration route for such massive Ice Age beasts as woolly mammoths, steppe bison, giant stag-moose, dire wolves, short-faced bears, and saber-toothed cat and demonstrated that the Beringian landscape cannot have been the "polar desert" that many had claimed.

Marine Reserves: A Guide to Science, Design, and Use. By Jack Sobel & Craig Dahlgren. Washington, DC: Island Press, 2004. Pp. 383. \$70.00 cloth; \$35.00 paper. Describing the need for marine reserves and their potential benefits, examining how reserves can be designed to achieve specific objectives, and providing a synthesis of information on the underlying science, as well as design and implementation issues.

A People's History of Wilderness. Edited by Matt Jenkins. Paonia, CO: High Country News Books, 2004. Pp. 495. \$22.95 paper. Assembling the best of more than three decades of wilderness coverage by *High Country News* and providing a ground-level look at the movement, from the early visionaries who worked to pass the Wilderness Act in 1964 to the rise and ongoing evolution of the citizens' proposals that have taken wilderness beyond the halls of Congress and created a true people's movement.

The Remarkable Life of William Beebe, Explorer and Naturalist. By Carol Grant Gould. Washington, DC: Island Press, 2004. Pp. 447. \$30.00 cloth. Bringing alive the legacy of one of history's most influential natural scientists, whose groundbreaking studies have inspired generations of scientists and conservationists, and, with this fascinating look at the man and the legend, will ensure that his lessons and conservation ethic will inspire countless others.

Sampling Rare or Elusive Species: Concepts, Designs, and Techniques for Estimating Population Parameters. Edited By William L. Thompson. Washington, DC: Island Press, 2004. Pp. 429. \$70.00 cloth; \$35.00 paper. Describing the latest sampling designs and survey methods for reliably estimating occupancy, abundance, and other population parameters of rare, elusive, or otherwise hard-to-detect plants and animals and offering a mixture of theory and application, with actual examples from terrestrial, aquatic, and marine habitats around the world.

Scientists Debate Gaia: The Next Century. Edited by Stephen H. Schneider, James R. Miller, Eileen Crist & Penelope J. Boston. Cambridge, MA: The MIT Press, 2004. Pp. 377. \$50.00 cloth. Exploring the scientific, philosophical, and theoretical foundations of Gaia, the hypothesis holding that Earth's physical and biological processes are linked to form a complex, self-regulating system and that life has affected this system over time.

Squares: A Public Place Design Guide for Urbanists. By Mark C. Childs. Albuquerque: University of New Mexico Press, 2004. Pp. 304. \$45.00 hardcover. Contending that places built to support conviviality are critical components of a good town and exploring the design implications of the automobile, electronic media, the natural

environment, urban furniture and structures, public safety, and public art.

The Street-Smart Naturalist: Field Notes from Seattle. By David B. Williams. Portland, OR: West Winds Press, 2005. Pp. 224. \$14.95 paper. Offering the author's original perspectives on the wonder and resilience of nature in and around the Northwest's greatest population center, looking beyond the Seattle skyline, beyond the postcard views of the Emerald City, and into its wild heart.

Sustaining Biodiversity and Ecosystem Services in Soils and Sediments. Edited by Diana H. Wall. Washington, DC: Island Press, 2004. Pp. 320. \$60.00 cloth; \$30.00 paper. Presenting scientific information that integrates soil and sediment disciplines across terrestrial, marine, and freshwater ecosystems and offering a framework for a new discipline that will allow future scientists to consider the linkages of biodiversity below-surface and how biota interact to provide the essential services needed to sustain underground ecosystems.

Thinking Ecologically: Environmental Thought, Values and Policy. By Bruce Morito. Halifax: Fernwood Publishing, 2002. Pp. 280. \$24.95 paper. Exploring the ethical and valuational directions taken toward the environment in the history of Western thought from the vantage point of the author's approach to environmental thought based on the idea of attunement as it applies to sustainability, sustainable development, and conservation.

Understanding Renewable Energy Systems. By Volker Quaschnig. Sterling, VA: Earthscan Publications Ltd., 2005. Pp. 272. \$115.00 hardback; \$39.95 paperback. Beginning with an overview of renewable energy sources, including biomass, hydroelectricity, geothermal, tidal, wind, and solar power, this book explores the fundamentals of different renewable energy systems, focusing on technologies with high development potential such as solar thermal systems, photovoltaics, and wind power.

Water Treatment: Principles and Design, Second Edition. By MWH. Hoboken, NJ: John Wiley & Sons, Inc., 2005. Pp. 1968. \$135.00 hardcover. Providing unique coverage of both the principles and theory of water treatment, as well as the practical considerations of plant design and distribution and presenting the full breadth of water treatment engineering, from the theory and principles of water chemistry and microbiology to in-depth discussions of revolutionary treatment processes to concise tips for plant and network design.

The World's Water 2004–2005: The Biennial Report on Freshwater Resources. By Peter H. Gleick et al. Washington, DC: Island Press, 2004. Pp. 362. \$70.00 cloth; \$65.00 paper. Identifying and explaining pertinent trends and offering the best data available on a variety of water-related topics.

Zooarchaeology and Conservation Biology. Edited By R. Lee Lyman & Kenneth P. Cannon. Salt Lake City: The University of Utah Press, 2004. Pp. 266. \$40.00 cloth. Presenting an argument that conservation biology and wildlife management cannot afford to ignore zooarchaeological research, the identification and analysis of faunal remains recovered by archaeological deposits, and contending that we can learn important lessons by studying long-term human and nonhuman influences on biota and ecosystems.