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Western grebe nesting on a farm reconstructed wetland in South Dakota.

MISSION STATEMENT OF THE SWCS

As a multidisciplinary membership organization, we advocate the protection, enhancement, and wise use of soil, water, and related natural resources. Through education and example, we promote an ethic that recognizes the interdependence of people and the environment.

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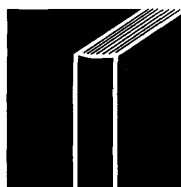
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BOOKS, ETC

Working With Congress, A Practical Guide for Scientists and Engineers.

William G. Wells Jr. 153 pp. illus., bibliog. index, glossary, 1992. American Association for the Advancement of Science, 1333 H Street, N.W., Washington, D.C. 20005.

If real leadership means not only advocating or expressing a clear position in favor of a healthy environment, but also helping deliver solutions, especially when the Congress plays a key role, this book is both timely and credible. We who have worked with both branches of the federal government know from experience that hardly anything a President wants goes through Congress the way it was presented. Lawmaking is often viewed as a messy, incompetent process to be disdained by many scientists. However, remaining aloof, as this guide says, is to forego the chance to influence policies and budgets.

Most members of SWCS would be pleased to be identified as scientists. Most readers of this *Journal* serve in occupations impacted in some way by the actions of the U.S. Congress. Two organizations—the American Association for the Advancement of Science (AAAS) and the Carnegie Commission on Science, Technology, and Government—recognized that the agenda of the U.S. Congress is increasingly dominated by issues involving science and technology. However, few members of Congress have had any training in science or engineering. Although scientists have long worked with the executive branch of government, few have a comparable relationship with Congress. Thus this guide, authored by Dr. William G. Wells Jr., an engineer with a wide range of experience in science and government. The book's major purpose is to serve as a practical manual to help sci-

tists and engineers when they have an opportunity to work with the Congress.

Dr. Wells is concerned that his peers need to understand it is essential today, and will be even more vital in the future that they become more involved and effective in relating to Capitol Hill. He states his many reasons under three general headings. First, serving the public and national interest; second, serving the interests of science and engineering and their component disciplines; and third, serving one's own personal and institutional self interest. He suggests the alternative, if scientists do not become more involved, would only leave congressional policymaking in areas of importance to scientists to others.

The text only has six chapters. The first, Why Work With Congress? in my opinion, validates why SWCS established a Washington, D.C. representative position to become involved a decade ago.

Chapter 4, Working With Congress has seventeen cardinal rules plus nineteen items when meeting members of Congress, five points for informal visits, thirteen things to do when using the telephone, eleven ideas when preparing and submitting correspondence, and seven ways of working with state and district offices of members of Congress. Also, Dr. Wells raises the issue whether scientists should get involved in politics.

The fifth chapter suggests that the fourth chapter was only preliminary to performing in the center ring of the circus. One of the more important actions of Congress are hearings performed by their committees and subcommittees each year. Scientists are appraised of the need to become witnesses at hearings related to their expertise. This demands time and talent. To assist you the author's seven guidelines for preparing testimony, and fif-

teen suggestions for presenting the statement are worthwhile. After the hearing a witness will benefit from five follow-up recommendations in the book.

Members of Congress are professionals in their field of politics and legislation. Working with Congress can provide the scientist or engineer, and most other lay persons with the experience needed to develop a productive relationship between professionals from two very different fields to the mutual benefit of both. The author makes the point that support for science is not an entitlement, nor something most legislators will do because it is the "right thing to do." Scientists increasingly must make members of Congress aware of the benefits at both the local and the national level. This book will provide the most benefit if used in planning a strategy for telling your story to the U.S. Congress.

Finally, Chapter 6, A Cautionary Note, tells us, "...neither this book nor any other will make you an instant expert on the Congress. Recognize the limitations of your knowledge—that is, know what you don't know and when to get help."

Additional copies of this book are available from AAAS.—NORMAN A. BERG, Washington, D.C. *Representative, Soil and Water Conservation Society*

General

Dictionary of Environment and Development—People, Places, Ideas, and Organizations. By Andy Crump. 272 pp., 1993. MIT Press, Cambridge, MA 02142. \$16.95 paper, \$40.00 cloth.

The Earth as Transformed by Human Action—Global and Regional Changes in the Biosphere over the Past 300 Years. Edited by B.L. Turner II, William C. Clark, Robert W. Kates, John F. Richards, Jessica T. Mathews, and

William B. Meyer. 713 pp., 1993. Cambridge University Press, New York, NY 10011-4211. \$39.95 paper.

Guiding Growth: Building Better Communities and Protecting Our Countryside. By Robert E. Coughlin, Joanne R. Denworth, John C. Keene, and John W. Rogers. 290 pp., 1992. Pennsylvania Environmental Council, Philadelphia, PA 19107. \$25.00 for non-profits, individuals, and government agencies; \$31.00 for businesses and private-sector organizations.

Environmental Profiles: A Global Guide to Projects and People. Edited by Linda Sobel Katz, Sarah Orrick, Robert Honig. 1,400 pp., 1993. Garland Publishing, Hamden, CT 06514. \$125.00, plus 4 percent postage and handling charge.

Agriculture

Agricultural Analysis in Environmental Studies. Edited by Keith B. Hoddinott and Tracey A. O'Shay. 178 pp., 1993. American Society for Testing and Materials, Philadelphia, PA 19103-1187. \$53.00, \$48.00 for members.

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Ecology

The Wealth of Nature: Environmental History and the Ecological Imagination. By

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Beyond Compliance: A New Industry View of the Environment. Edited by Bruce Smart. 285 pp., 1992. World Resources Institute, Washington, D.C. 20006. \$19.95.

Energy

Energy Management and Conservation. By George Burmeister and Dr. Frank Keith. 350 pp., 1993. National Conference of State Legislatures, Denver, CO 80202. \$55.00 plus \$3.00 shipping and handling.

Fish and Wildlife

Ecology and Management of the Mourning Dove. By Wildlife Management Institute. 600 pp., 1993. Stackpole Books, Harrisburg, PA 17105. \$39.95, plus \$3.50 shipping and handling.

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Forests

Minnesota Forest Statistics 1990. By Patrick D. Miles and Chung M. Chen. 130 pp., 1992. USDA Forest Service, North Central Forest

Experiment Station, St. Paul, MN 55108.

Northeastern Area Forest Health Report. 57 pp., 1993. USDA Forest Service, Washington, D.C. 20250.

Non-Timber Products from Tropical Forests: Evaluation of a Conservation and Development Strategy. Edited by Daniel C. Nepstad and Stephan Schwartzman. 176 pp., 1992. New York Botanical Garden, Bronx, NY 10458-5126. \$22.70.

Land Use

Land Reclamation: Advances in Research and Technology. Proceedings of the International Symposium. 380 pp., 1993. American Society of Agricultural Engineers, St. Joseph, MI 49085-9659. \$48.00 list, \$37.00 ASAE members, \$3.50 postage and handling.

Law, Legislation, Politics

Natural Resources—Federal Spending and Resource Performance 1940-1989. 32 pp., 1993. USDA Office of Budget and Program Analysis. Washington, D.C.

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Green Fees: How a Tax Shift Can Work for the Environment and the Economy. By Robert Repetto, Roger C. Dower, Robin Jenkins, and Jacqueline Geoghegan. 100 pp., 1993. World Resources Institute, Washington, D.C. 20006. \$14.95.

Backs to the Future: U.S. Government Policy Toward Environmentally Critical Technologies. By George Heaton and Robert Repetto. 35 pp., 1992. World Resources Institute, Washington, D.C. 20006. \$14.95.

Agricultural Policy and Sustainability: Case Studies from India, Chile, the Philippines, and the United States. By Paul Faeth, et.al. World Resources Institute,

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Assessment of Pesticide Residues in Soil Water and Wells Associated with an Apple Orchard and Strawberry Fields. By Joseph E. Weaver, Henry W. Hogmire, and John C. Sencindiver. 23 pp., 1993. West Virginia University Agricultural and Forestry Experiment Station, Morgantown.

Basic Guide to Pesticides: Their Characteristics and Hazards. By Shirley A. Briggs. 238 pp. 1992, Taylor and Francis, Bristol, PA 19007-1598. \$39.50, plus \$2.50 shipping and handling.

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Advances in Measurement of Soil Physical Properties: Bringing Theory into Practice. Edited by G. Clarke Topp, W. Daniel Reynolds, and Richard E. Green. 304 pp., 1992. Soil Science Society of America, Madison, WI 53711-1086. \$42.00, plus \$2.00 handling charge.

Rock for Erosion Control. Edited by Charles H. McElroy and David A. Leinhardt. 150 pp., 1993. American Society for Testing and Materials, Philadelphia, PA 19103-1187. \$46.00, \$41.00 members.

Superfund Risk Assessment in Soil Contamination Studies. Edited by Keith B. Hodinott. 340 pp., 1993. American Society for Testing and Materials, Philadelphia, PA 19103-1187. \$50.00, \$45.00 for members.

Water Resources

Principles and Applications of Aquatic Chemistry. By Francois M. M. Morel and Janet G. Hering. 558 pp., 1993. John Wiley & Sons, Inc., New York, NY.

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Waste Management

Hazard Assessment of Chemicals, Volume 8. Edited by Jitendra Saxena. 332 pp., 1993. Taylor & Francis, Washington, D.C.

Wetlands

Practical Handbook for Wetland Identification and Delineation. By John G. Lyon. 208 pp., 1993. Lewis Publishers, Boca Raton, FL 33431. \$59.95.

Constructed Wetlands for Water Quality Improvement. Edited by Gerald A. Moshiri. 560 pp., 1993. Lewis Publishers, Boca Raton, FL 33431. \$79.95.

Created and Natural Wetlands for Controlling Nonpoint Source Pollution. U.S. Environmental Protection Agency. 224 pp., 1993. Lewis Publishers, Boca Raton, FL 33431. \$49.95.

Creating Freshwater Wetlands. By Donald A. Hammer. 312 pp., 1992. Lewis Publishers, Boca Raton, FL 33431. \$58.00.