

SWS

SOCIETY OF WETLAND SCIENTISTS

BULLETIN

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SWS Bulletin

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**Cover Photo by
D. Wilcox**

*Flower of the carnivorous pitcher plant
Sarracenia purpurea L. in a ridge-and-swale peatland in the AuTrain embayment
of Lake Superior near Munising,
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President's Message: Moving Forward Strategically

By Mary E. Kentula

Four years ago in the March 2003 *Bulletin*, President Frank Day announced the initiation of a strategic planning effort for SWS. President Day furthered a process begun by President Barry Warner by calling for the Society to expand its vision and goals to “encompass a more global perspective and the long-range outcome of our actions.” A Strategic Plan for 2005 through 2010 was adopted by the membership in 2004 and is available on the SWS web site. That planning effort has had an affect. Below I share examples of actions relative to each of the seven goals presented in the reports of the Chapters from the last Board of Director’s meeting.

Goal 1: Promote basic and applied wetland research of high quality - Most of the activity reported relative to this goal has focused on increasing student participation in SWS. The South Atlantic Chapter, in particular, implemented a new Student Research Grants program. This was the first year that four grants of \$500 each were awarded to students conducting research within the regional boundaries of the Chapter. The Chapter is considering coordinating its program with the SWS Student Research Grants program to make the application process easier.

Goal 2: Support wetland education and public awareness of wetlands - This goal also was met by activities focused on students, e.g., travel awards to attend the SWS annual meeting. In addition, the Pacific Northwest Chapter co-sponsored the publication of a book on wetland restoration.

Goal 3: Provide forums to disseminate the latest scientific results - Most chapters hosted meetings and workshops during the past year. Workshops were held on remote sensing, on the U.S. Army Corps of Engineers’ efforts to regionalize wetland delineation, and on toad, salamander, and willow identification. The Europe Chapter is working on a newsletter to promote contacts between scientists and to report on new research. The Asia Chapter submitted a proposal for a Symposium on Asia Wetlands for the SWS 2007 annual meeting.

Goal 4: Promote science-based stewardship of wetlands – The South Atlantic Chapter partnered with the Florida Chapter of the Wildlife Society to conduct a workshop on conservation and management issues affecting amphibians in the Southeast. The first day of the workshop was a series of presentations on conservation and management issues affecting amphibians, followed by a day of training in the visual and auditory identification of frogs, toads and salamanders.

Goal 5: Encourage incorporation of sound wetland science into policy – The members of the South Central Chapter voted to urge the governor of Louisiana to include a wetland scientist on the Louisiana Recovery Authority (LRA). The LRA is the planning and coordinating body that was created in the aftermath of hurricanes Katrina and Rita. Although wetlands can play an important role in reducing storm surge, no wetland experts are on the LRA Board of Directors.

Goal 6: Foster the international scope of wetland science and SWS – The Australasia and Europe Chapters are both pursuing relations with the Ramsar Convention, which is shorthand for the international treaty for the protection of wetlands. The Australian Government is interested in establishing a National Focal Point

President's Message continued

(NFP) in cooperation with the Australasian Chapter. NFP's are responsible for communication of scientific and technical issues developed under the Convention. In addition, twelve members of the North Central Chapter volunteered to work with me to provide input to the U.S. National Ramsar Committee regarding the nomination of sites for recognition as wetlands of international importance in the U.S.

Goal 7: Ensure that the growth and evolution of SWS are sustainable – Much of the activity in support of this goal was focused on the support and recognition of students. Chapters gave awards for best papers, service, and research, and provided travel support to attend the SWS annual meeting. The Central Chapter is working to increase the value of SWS through communication. The Chapter has established a private message board on its website and an email listserv. The South Atlantic Chapter is selling merchandise that features their new logo to raise funds and increase the visibility of the Chapter and SWS. They also sponsored a photo contest and marketed a calendar of the winning pictures.

Based on the activities summarized above, I am pleased to report to the membership that the Chapters are addressing all the goals under the Strategic Plan. The Standing Committees and Officers are also working on important tasks. Overall, the work that is being done by SWS in support of its mission to promote understanding of wetlands, and encourage the scientifically based management and sustainable use of the resource is impressive.

SWS Information

Society of Wetland Scientists 28th Annual Meeting

June 10-15, 2007 – Sacramento, CA

SWS Federal ID # 48-1146960

Early Registration Deadline: Sunday, April 15

PLEASE PRINT CLEARLY

Member # _____

Name: (For Badge) First: _____ Last: _____

Institution/Organization: (For Badge) _____

Mailing Address: _____

City: _____ State/Country: _____ Zip/Postal Code: _____

Phone: _____ FAX: _____ Email: _____

Special/Dietary Needs: _____

Check Appropriate boxes: I am a PWS/WPIT

I am willing to serve as a Student Paper/Poster Judge

REGISTRATION FEES

	Early (thru 4/15)	Regular (after 4/15)	Late (after 5/15)
SWS Member	\$340	\$390	\$475
Non-Member*	\$450	\$500	\$585
SWS Student Member <i>(includes student mixer)</i>	\$125	\$145	\$175
Student Non-Member* <i>(includes student mixer)</i>	\$155	\$175	\$205
One Day Only*** <input type="checkbox"/> Mon. <input type="checkbox"/> Tues. <input type="checkbox"/> Thurs <input type="checkbox"/> Fri.	\$110	\$120	\$140
Exhibitor** <i>(must have signed up for an exhibit booth)</i>	No Fee	No Fee	No Fee
Exhibits Only <i>(entrance into exhibit hall ONLY)</i>	\$50	\$50	\$50

**Includes Meeting Registration and SWS membership for year 2007 (available to 1st time members only)*

***Fees include one attendee Meeting Registration (No banquets or socials included in fees)*

****Can only be used for 1 day, may not be combined for multiple days*

SOCIAL EVENTS (Please events you plan to attend)

		Total
<input type="checkbox"/> Sunday Evening Welcome Reception	No Fee	No Fee
<input type="checkbox"/> Additional Tickets for Sunday Evening Welcome Reception	# tickets _____ x \$20	\$ _____
<input type="checkbox"/> Monday Student Mixer <i>(Open to Students Only)</i>	No Fee	No Fee
<input type="checkbox"/> Additional Tickets for Monday Student Mixer	# tickets _____ x \$10	\$ _____
<input type="checkbox"/> Monday Professional Certification Program Mixer (PWS & WPIT only)	No Fee	No Fee
<input type="checkbox"/> Monday Evening Poster & Exhibitor Reception	No Fee	No Fee
<input type="checkbox"/> Additional Tickets for Monday Evening Poster & Exhibitor Reception	# tickets _____ x \$15	\$ _____
<input type="checkbox"/> Tuesday Awards Luncheon <input type="checkbox"/> Vegetarian <input checked="" type="checkbox"/> here	No Fee	No Fee
<input type="checkbox"/> Additional Tickets for Tuesday Awards Luncheon <input type="checkbox"/> Vegetarian <input checked="" type="checkbox"/> here	# tickets _____ x \$30	\$ _____
<input type="checkbox"/> California Museum Dinner (Tuesday Evening, not included in registration fees)	# tickets _____ x \$45	\$ _____
<input type="checkbox"/> Thursday Business Luncheon <input type="checkbox"/> Vegetarian <input checked="" type="checkbox"/> here	No Fee	No Fee
<input type="checkbox"/> Additional Thursday Business Luncheon <input type="checkbox"/> Vegetarian <input checked="" type="checkbox"/> here	# tickets _____ x \$30	\$ _____
<input type="checkbox"/> Thursday Evening Silent Auction Reception	No Fee	No Fee
<input type="checkbox"/> Additional Tickets for Thursday Evening Silent Auction Reception	# tickets _____ x \$15	\$ _____

WETLANDERS CHILDREN'S PROGRAM (5-12 years old)

Name _____ Age _____ \$120 week (1st child) **OR** \$35 Daily Mon./ Tues./ Thur./ Fri.
 Name _____ Age _____ \$80 week (add'l child) **OR** \$25 Daily Mon./ Tues./ Thur./ Fri.
 Name _____ Age _____ \$80 week (add'l child) **OR** \$25 Daily Mon./ Tues./ Thur./ Fri.

Social Events Total _____

Wetlanders Total _____

Meeting & Field Trip Refunds/Cancellations: Full refund minus a \$50 cancellation fee will be given if written notification of withdrawal is received before May 9. After May 9 no refunds will be given; substitutions will be given at any time.

NAME: _____

SWS Registration Page 2

FIELD TRIPS/WORKSHOP (Please ✓ events you plan to attend) **After April 15 prices will increase \$10**

All Field Trips and Workshop take place on Wednesday, June 13

Register early field trips will fill quickly, see descriptions under Fieldtrips at www.sws.org/sacramento2007

FULL DAY FIELD TRIPS

Total Cost:

<input type="checkbox"/> SBBW-Suisun Bay's Brackish Wetlands: Rush Ranch & Peyton...	# tickets _____ x \$60	_____
<input type="checkbox"/> NRW- Napa River Wetlands	# tickets _____ x \$60	_____
<input type="checkbox"/> NSFB-Tidal Restoration in San Francisco Bay: 30 years of Lessons...	# tickets _____ x \$65	_____
<input type="checkbox"/> WUL-Integrating Wetlands into Urban and Urbanizing Areas	# tickets _____ x \$65	_____
<input type="checkbox"/> SSFB-San Francisco Bay Salt Pond Restoration	# tickets _____ x \$75	_____
<input type="checkbox"/> CS-Canoes in Sloughs: Explore San Francisco Bay Wetlands by Canoe	# tickets _____ x \$100	_____
<input type="checkbox"/> DBT-Tule Wilderness - A Delta Boat Tour	# tickets _____ x \$105	_____
<input type="checkbox"/> CALFED-Sacramento-San Joaquin Delta: Water, Wetlands & Levees	# tickets _____ x \$60	_____
<input type="checkbox"/> VPCV-Vernal Pools of Central Valley	# tickets _____ x \$60	_____
<input type="checkbox"/> CMB-Conservation/Mitigation Banks of the CA Central Valley	# tickets _____ x \$60	_____
<input type="checkbox"/> RAR-Rafting on the South Fork of the American River	# tickets _____ x \$140	_____
<input type="checkbox"/> UCM-UC Merced Functional Assessment Methodology	# tickets _____ x \$75	_____
<input type="checkbox"/> LTWS- Lake Tahoe Wetlands and Restoration Projects	# tickets _____ x \$75	_____

WORKSHOP

<input type="checkbox"/> CRAM-California Rapid Assessment Method—What is it and how will it improve my life	# tickets _____ x \$55	_____
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Field Trip/Workshop Lunch Choice – Select One per Ticket:

Ham Turkey Roast Beef Cheese Vegetarian

If Field Trip selected above is full, please select an alternate choice: 2nd ___ / 3rd ___ **Field Trip/Workshop Total** _____

CARBON OFFSET CONTRIBUTION

The 2007 International Conference is being planned to reduce global carbon production. You can off-set your contribution to global carbon use by either (1) visiting a commercial carbon calculator (such as www.terrapass.com or www.carbonneutral.com) and determining your specific carbon use and the means by which to offset that use or (2) contribute to the conference fund that will purchase local credits for carbon sequestration and renewable energy. Your contribution for either choice will be recognized by a special designation on your conference badge.

Please check one below:

<input type="checkbox"/> Yes, I have purchased carbon offset credits for my travel and conference attendance at _____	Cost _____
<input type="checkbox"/> Yes, I am contributing \$20 for carbon offset credits to be purchased by SWS	

If faxing registration with credit card payment, please DO NOT mail original.	Registration Total _____ Wetlanders Total _____ Social Events Total _____	Field Trip Total/Workshop Total _____ Carbon Offset Contribution Total _____ TOTAL PAID _____
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PAYMENT - Make check payable and mail to SWS 28th Annual Meeting, 1313 Dolley Madison Blvd., Suite 402, McLean VA 22101 OR Fax to 703-790-2672 with the credit card information below filled in.

VISA MasterCard American Express
 Card# _____ Exp. Date _____
 Cardholder Name _____ Signature _____
 Cardholder Billing Address _____

Please see other side of form for Cancellation Policy Information

2007 SWS Elections Biographies and Ballot

Candidates for Vice-President

Christopher Craft

“Whence, then, comes this great store of rich mud?” The ecologist W.F. Ganong pondered this question more than 100 years ago in his treatise on the origin, characteristics and economic uses of Canadian tidal marshes. These words ring true today as I and other Wetland Scientists contemplate the role of soils, vegetation and other ecological components in the persistence and functioning of tidal marshes and other wetlands.

My interest in wetlands dates to 1983 when, as a PhD student, I was exposed to soils as the foundation for properly functioning natural, restored and created wetlands. Today, after nearly 25 years of wetlands research, teaching and service, my interests in the contribution of vegetation and soils to wetland ecosystem services that benefit society continues unabated. My research program advances both fundamental wetland science and the application of science to wetland creation, restoration and enhancement. I advise USEPA, NOAA, USDOT, The Nature Conservancy and others on issues related to wetlands protection, management and restoration, including development of performance standards to gauge the success of restoration projects. I teach courses in *Wetlands Ecology*, *Restoration Ecology* and *Applied Ecology* at Indiana University Bloomington where I am Associate Professor. I am Associate Editor of the Society’s journal *Wetlands* and have been a member of the Society since 1987. My education background consists of degrees in biology (BA, UNC-Ashville), ecology (MS, University of Tennessee) and soil science (PhD, N.C. State University).

My goal as Vice President will be to leverage the knowledge of our members -- scientists, consultants, managers and policymakers -- to increase the role our Society plays in promoting sound wetland science, policy, regulation and stewardship. I will work to strengthen ties with natural and international members and chapters, including the newly formed European chapter where we hope to coordinate joint meetings with other wetlands-related organizations (WETPOL – Wetland Pollution Dynamics and Control, INTECOL) and to develop stronger links with like-minded organizations in the U.S. such as the *Soil Science Society of America* and the *Estuarine Research Federation*.

I am excited about the opportunity to serve the next generation of wetland professionals so they too will appreciate the importance of those great stores of mud (and other wetland substrates) that Ganong contemplated more than 100 years ago.

Joan G. Ehrenfeld

Joan Ehrenfeld is Professor of Ecology in the Department of Ecology, Evolution, and Natural Resources in the School of Environmental and Biological Sciences, Rutgers University, in New Brunswick, New Jersey. She has been on the faculty at Rutgers since 1990, and prior to that, worked as a researcher with the Center for Coastal and Environmental Studies, a research institute within Rutgers. She received her B. A. from Barnard College, Columbia University, with honors in biology, a M. A. from Harvard University in biology, and a Ph. D. in biology from City University of New York. Her work at Rutgers has emphasized the intersection of

2007 Elections continued

ecology, management and policy, and has taken place in a wide range of wetlands and has covered an equally wide range of subjects. She has worked extensively on the wetlands of the New Jersey Pinelands, focusing initially on responses of plant communities and water quality to urbanization in cedar and hardwood swamps, but also examining ecosystem structure, nutrient cycling, and the importance of microtopography in these swamps and in pine lowland wetlands, and most recently, the response of wetland soils to potential water withdrawals from development. She has addressed similar questions of plant communities, soil function, and hydrology in hardwood swamps in urbanized regions of northern New Jersey. She has also worked with her students on salt marshes (nitrogen cycling and microbial communities in urbanized and undisturbed locations), acidic fens (plant diversity), and calcareous fens (effects of purple loosestrife on pollinator communities). Other research interests involve invasive species in wetlands and uplands, and plant-soil interactions in general. Her research has been supported by NSF, USDA NRI, EPA, USGS, and NJ DEP. Dr. Ehrenfeld has served on the New Jersey Wetland Mitigation Council, a regulatory body with oversight of mitigation banking and the state in-lieu-fee program, since 1991; she also serves on the New Jersey Invasive Species Council. She served on a National Research Council committee assessing national water resources research investment, where she represented the perspectives of aquatic and wetland ecology, and she is currently serving on the NRC's Water Science and Technology Board and on their Committee on Independent Scientific Review of the Everglades Restoration Project. Dr. Ehrenfeld also serves as Director of the New Jersey Water Resources Research Institute, through which she stays involved with a wide range of water and wetland issues in the region. Dr. Ehrenfeld teaches undergraduate and graduate courses in wetland ecology, ecosystems ecology, field methods in ecology, invasive species, and teaches the community and ecosystems portion of the introductory undergraduate ecology course. She has served on the editorial board of *Wetlands*, and also on the Awards Committees of the SWS and the Ecological Society of America, and has testified as an expert witness concerning wetland integrity on several prominent land-use cases in the Pinelands.

Candidates for Secretary-General Elect

William H. Conner

William is a Professor of Forestry and Assistant Director at Clemson University's Baruch Institute of Coastal Ecology and Forest Science in Georgetown, SC. He received the B.S. degree in biology from Virginia Polytechnic Institute (1973), M.S. in marine sciences from Louisiana State University (1975), and Ph.D. in forestry from Louisiana State University (1988). From 1975-1990 William was a research associate in the Center for Wetland Resources at LSU working on forested wetland ecology, use of swamps for wastewater treatment, and marsh creation. Since joining Clemson's faculty in 1990 his main interests have included recovery mechanisms of forested wetlands following disturbance, regeneration problems in forested wetlands, response of woody species to flooding and salinity, impact of water management and development on wetland processes, and regional studies of wetland systems. He has been a member of SWS since 1983, has attended many of the annual meetings, and published several papers in *Wetlands*. He has been the Secretary/Treasurer of the South Atlantic Chapter since 1992 and was Conference Chair for the 2005 meeting in Charleston.

*SWS Information**2007 Elections continued*

Rob McInnes

Rob McInnes is Head of Wetland Conservation at the Wildfowl & Wetlands Trust (WWT) based at Slimbridge in the UK, and is also Managing Director of their specialist wetland Consultancy, WWT Consulting.

Rob is current President of the European Chapter of the Society of Wetland Scientists, and a member of SWS since 1994. He has been an active member of the Board of SWS for the last two years. He also co-represents SWS on the Scientific and Technical Review Panel for Ramsar, the International Convention on wetlands, and, with support from the Board of SWS, is working towards increasing the international profile of the Society.

Rob has over 15 years' experience in wetland research, management and conservation and works on a range of initiatives which seek to enhance and restore wetlands for the benefit of both people and wildlife. Rob works on projects in the UK and also internationally where increasingly he is trying to demonstrate the value of wetlands for the ecosystem services they provide as well as the importance of their biodiversity. Prior to joining WWT Rob worked in consultancy in the UK and was an academic researcher at the University of Exeter and the Royal Holloway Institute for Environmental Research, part of the University of London.

2007 Elections continued

SWS 2007 BALLOT

Please vote for one person for each office:

For VICE-PRESIDENT (Will become President in 2008):

_____ **Chris Craft**

_____ **Joan Ehrenfeld**

For SECRETARY-GENERAL ELECT (Will become Secretary-General in 2008)

_____ **Will Conner**

_____ **Rob McInnes**

DEADLINE FOR VOTING IS APRIL 15.
(Ballot must be post-marked by April 15, 2007.)

VOTE ONLY ONCE USING **ONE** OF THESE METHODS:

1. Web Voting: Go to WWW.SWS.ORG and locate the section on the "SWS Election." Enter your MEMBER ID NUMBER and remember to capitalize the first letter of your last name. You will receive a notice of the election from the SWS Secretariat containing login-information, including your member number. You can retrieve your member number at any time by going to the Lost ID web page on the SWS web site (<http://www.sws.org/lostid.mgi>), or you can find it printed above your name on the mailing label of your journal package. You also may obtain your member number by sending an e-mail to the Secretariat (ddrupa@BurkInc.com) or calling them at 703-790-1745.

Or

2. Mail Vote: Print this form, fold, and place in an envelope. Place appropriate postage on the envelope and return to:

Dr. Beth Middleton
Secretary-General of the Society of Wetland Scientists
Research Ecologist
USGS National Wetlands Research Center
700 Cajundome Boulevard, Lafayette, LA 70506

Membership Renewal Reminder

*from Beth Middleton
Secretary-General*

Remember that annual membership runs from January through December. If you haven't already renewed your membership for 2007, you can renew on-line on the SWS website at: www.sws.org. We have made many improvements in the system in the last year, and website renewal is now reliable and track-able. If you prefer, you can also download the membership form, and mail or fax the membership form to the business office (see address below). The membership form is also found in this Bulletin.

The journal is now electronically available, if you check that option on your membership application. If you've forgotten your logon information, you can query this information at the SWS website. To access the journal through BioOne, logon to the SWS website and follow the links.

The electronic journal is a very good option because it gives you access to all volumes of Wetlands since 2000. If you also buy a copy of the CD (\$100), you will have access to all volumes of the journal before 2000. Hard copies of the journal are also available if you choose this option.

Check and update your membership information on the website. If we lose your contact information, we will not be able to contact you!

If you have any issues or concerns, please email the business office (ddrupa@burkinc.com) with cc's to me (beth_middleton@usgs.gov).

Business Office Address
SWS Secretariat
1313 Dolley Madison Boulevard, Suite 402
McLean, VA 22101 USA
Phone: 703-790-1745; Fax: 703-790-2672; sws@burkinc.com



North Central Chapter Report



*By Kurt Kowalski
Chapter President
March, 2007*

We are getting close to the vote, so you won't see this announcement much longer! Numerous amendments to the chapter's bylaws were proposed at the Cairns business meeting. Proposed amendments include shortening the term of officers, clarifying membership categories, and implementing numerous formatting changes. These amendments are clearly outlined in a document named "Bylaws proposed changes and votes - 061106.pdf" that can be found on the chapter's web page (<http://www.sws.org/regional/northcentral/>). In this document, the amendments were grouped into six separate sections that will be voted on individually at the next major chapter business meeting to be held during the SWS Annual Meeting in Sacramento, CA. The web site also contains a file named "Bylaws proposed final - 061106.pdf" that is a complete version of the bylaws including the proposed changes. Please review the proposed amendments and send comments or questions to me (kkowalski@usgs.gov).

Planning has begun for the SWS Annual Meeting in Madison, Wisconsin in 2009! The SWS Board of Directors accepted our chapter's proposal to host the 2009 meeting in conjunction with the Wisconsin Wetlands Association Annual Wetland Science Forum. Plans are being made so watch the Bulletin and the chapter web site for new information. Special thanks go out to SWS member Dr. Joy Zedler (University of Wisconsin – Madison) for leading the planning committee and the many members of SWS and WWA (particularly Becky Abel and Laura England) who are stepping up to plan this great meeting. We're going to need lots of help so please contact Joe Schubauer-Berigan (Schubauer-Berigan.Joseph@epamail.epa.gov) if you have ideas for the meeting or would like to get involved.

The North Central Chapter once again was involved with the Wisconsin Wetlands Association Annual Wetland Science Forum (<http://www.wiscwetlands.org/2007forum.htm>), a 2-day conference convening wetland researchers, consultants, agency staff, students, conservationists and other wetland enthusiasts from around Wisconsin and the Great Lakes region. This 2-day conference was held February 1-2, 2007 at the Radisson Hotel & Convention Center, La Crosse, WI and focused on the theme "Riverine Wetlands: Connections, Corridors and Catchments." The North Central Chapter provided registration and travel support for students presenting papers and setting up the NCC display in the exhibitor's space. Many of the students sent personal messages that thanked the Chapter for its support and emphasized how valuable the experience was to their academic and professional careers. The chapter was well represented at the meeting with SWS members presenting research papers, leading field trips, and participating as members of the science forum advisory panel. By all accounts, the 12th Annual Wetland Science Forum was the largest and one of the most successful WWA Forums to date. It attracted more than 315 wetland enthusiasts who participated in the conference sessions and braved unusually cold temperatures to participate in "sold out" field trips. The success of this meeting bodes well for our chapter's joint efforts with WWA to host the 2009 annual SWS meeting in Madison, WI.

SWS Committee & Chapter Reports

N.C. Chapter report continued

The Chapter is seeking nominations for both the President-elect and At-large Board positions. The President-elect position currently has a 3-year term, but the chapter will be voting on a proposal to change the President-elect, President, and Past President positions to 2-year terms during the June 2007 business meeting. Regardless of term length, the President-elect position will begin June 2007. The At-large Board position is a 2-year term that will begin June 2007 and end in June 2009. Beth Nixon, the chapter Nominations Committee Chair, will be accepting names via email (ehnixonusa@netscape.net) through March 26, 2007. All members in good standing are invited to submit nominations for this election planned for April through May 2007. You may nominate others and yourself. The candidates for election will be advertised on the web site and via email on April 2, 2007, and the voting process will be described at that time. Electronic voting will run until May 25, 2007. Position duties are described in the Chapter bylaws at <http://www.sws.org/regional/northcentral/Bylaws.htm>.

Our new student group based at the Michigan Technological University in Houghton, Michigan recently elected Robin Conklin as their first President. Congratulations Robin! This group of students will be organized formally with the University and actively participate in Chapter and Society activities. We look forward to seeing this group develop.

Sharon Kahara (PhD Graduate Assistant at South Dakota State University) is putting the finishing touches on a color version of our logo. Among other things, we plan to produce t-shirts and other goods sporting this logo. Availability information for these products will be sent to you via email, put on the web page, and likely appear in future Bulletin reports. You won't miss it.

Students: The North Central Chapter announces the availability of Student Travel Grants (in support of student travel to professional meetings). For more details visit the web site or contact the Educational Outreach Chair, Mitchel R. Strain, PWS, at 614.459.2050 x506 or mstrain@burnip.com.

I encourage you to join the growing number of members who are contributing to the chapter and benefiting from all it has to offer. We are always looking for new ideas and welcome anyone looking for a way to become more involved. I especially urge students and those who have never been active in the chapter to find a place and jump into the action.

Announcements

This material is being printed as a service to the members and publication does not necessarily infer SWS endorsement, nor does it imply that SWS has verified the information or legitimacy of any particular organization.

From The Bog



2007 NWA winners announced



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PHONE: 202-939-3800 • FAX: 202-939-3868

Media Advisory

For immediate release: March 06, 2007

Six Wetland Stewards Win 2007 National Wetlands Awards

Washington, DC – Six citizens have been recognized nationally for their on-the-ground wetland conservation efforts and decades-long dedication to protecting these important natural resources. A diverse panel of wetland experts assembled at the Environmental Law Institute (ELI) earlier this month to select the winners of the 2007 National Wetlands Awards.

This year's Award winners hail from all regions of the country and exemplify the extraordinary commitment and innovation that is so instrumental to conserving wetlands in the Nation's communities.

"These wetland champions are restoring and protecting one of America's greatest natural assets through education, conservation, and dedication," said Benjamin H. Grumbles, EPA's Assistant Administrator for Water. "These profiles, both in courage and in stewardship, show us all how to meet the President's national goal of increasing, not simply maintaining, the quantity and quality of our wetlands."

The 2007 awardees are:

The Brockway Family, an Iowan family that has enhanced and restored over 250 acres of wetlands on their land;

Jeanne Christie, a national leader in the development of local, state and national wetland programs;

Paul Keddy, a wetland ecologist and professor at Southeastern Louisiana University who has developed strategic plans for scientific wetland restoration;

Jeff Nania, who as director of the Wisconsin Waterfowl Association has led the restoration of thousands of acres of wetlands;

Lynda Saul, Wetlands Program Manager at the Montana Department of Environmental Quality who established the Montana Wetlands Council with over 400 members state-wide;

Alice Wellford, a wetlands advocate and community organizer based in Richmond, Virginia;

2007 Winners announced continued

Collectively, the award winners have conserved thousands of wetland acres and have mobilized hundreds of other individuals to contribute to wetland conservation. In May, they will take a well-deserved break from their efforts to receive their awards at a ceremony on Capitol Hill.

“We look forward to meeting the winners of this year’s awards and honoring them for their extraordinary achievements in wetland conservation,” said Dr. Bill Hogarth, Assistant Administrator, NOAA National Marine Fisheries Service. “We are proud to support ELI’s National Wetland Awards recognizing these individuals for their contributions to society and the aquatic environment. Healthy wetlands and ecosystems are vital to our nation’s recreational and commercial fish and shellfish fisheries, and other living marine resources.”

Program co-sponsors—the Environmental Law Institute, U.S. Army Corps of Engineers, U.S. Environmental Protection Agency, U.S. Fish and Wildlife Service, USDA Forest Service, USDA Natural Resources Conservation Service, Federal Highway Administration, and NOAA National Marine Fisheries Service—hope that recognizing wetland leaders for their efforts will inspire others to follow their example. Given the national importance of wetlands, the federal agencies that sponsor the awards welcome the opportunity to recognize and encourage voluntary wetland conservation efforts.

“Wetlands provide a vital link between our land and water resources, supplying a wide variety of ecological functions. The Forest Service is proud to support the National Wetland Awards program and to recognize the extraordinary work of the award recipients,” commented Abigail R. Kimbell, Chief of USDA Forest Service.

The winners of the National Wetlands Awards demonstrate how citizens and communities can—and do—make a difference. Arlen Lancaster, Chief of USDA’s Natural Resources Conservation Service, stated, “Thanks to the partnership, commitment and hard work of the 2007 National Wetlands Award winners, NRCS has helped restore, improve, or protect nearly 888,000 wetland acres since the President announced the National Wetlands Initiative in April 2004. We are well on our way to achieving the President’s goal of three million acres of the nation’s wetlands restored, improved, and protected by 2009.”

“Wetlands provide optimum migrating, wintering, and breeding habitat for waterfowl, shorebirds, wading birds and other wetland dependent wildlife species, as well as essential habitat for many neo-tropical birds. What we do for conservation today is important. What we do for conservation tomorrow is vital,” said H. Dale Hall, Director of the U.S. Fish and Wildlife Service.

For more information on the National Wetlands Awards Program, the 2007 awardees, or the May awards ceremony, please contact Jared Thompson at the Environmental Law Institute at (202) 939-3247 or wetlandsawards@eli.org. Information is also available online at www.nationalwetlandsawards.org.

*2007 Winners announced continued***2007 National Wetlands Awards Winners****AWARD FOR EDUCATION & OUTREACH****Jeanne Christie**, *Windham, Maine*

Ms. Christie, Executive Director of the Association of State Wetland Managers, has provided national leadership in the development of local, state, and national wetland programs for more than twenty years. Her recent activities include planning, organizing, and conducting ASWM's symposia and workshops and actively assisting local, state, and tribal wetland managers as they develop and improve their programs. Ms. Christie also coordinates local and state responses to proposed federal legislation and policy revisions.

AWARD FOR SCIENCE RESEARCH**Paul Keddy**, *Hammond, Louisiana*

Dr. Keddy, a wetland ecologist and professor at Southeastern Louisiana University, maintains a vigorous research program that has developed strategic plans for scientific wetland restoration based on plant-traits and assembly rules, which he has implemented in the Ottawa and Mississippi River flood plains. His scientific interests include understanding plant competition along environmental gradients, linking plant functional traits to community composition, and defining and testing assembly rules as a foundation for community ecology.

AWARD FOR CONSERVATION & RESTORATION**Jeff Nania**, *Portage, Wisconsin*

As the current Executive Director and former Restoration Project Director for the Wisconsin Waterfowl Association, Mr. Nania has led the restoration of thousands of acres of wetlands in Wisconsin. He helped pioneer the practice of "historic restoration," in which he seeks to completely reverse all impacts at a restoration site. Since 1992, Mr. Nania has educated hundreds of landowners and wetland professionals about wetland restoration practices, involved thousands of school children in restoration activities, and worked with elected officials to advance wetland conservation legislation at the state level.

AWARD FOR LANDOWNER STEWARDSHIP**The Brockway Family**, *Burlington, Iowa*

In 2000, Mark and Terry Brockway purchased over 1,500 acres of bottomland at the confluence of the Skunk and Mississippi Rivers in Iowa. The Brockway brothers have restored and enhanced 250 acres of wetlands on the property and set aside over 300 acres as a permanent refuge. Local Boy Scouts and Cub Scouts help maintain approximately 250 wood-duck nesting boxes on the property. The U.S. Fish and Wildlife Service estimate that over 30,000 migrating waterfowl utilized the area in 2003.

AWARD FOR STATE, TRIBAL, & LOCAL PROGRAM DEVELOPMENT**Lynda Saul**, *Helena, Montana*

Since 1997, Ms. Saul, Wetland Program Manager for the Montana Department of Environmental Quality, has actively pursued U.S. Environmental Protection Agency grants to increase state and local capacity to protect and better manage wetlands. She spearheaded development of a 10-year Comprehensive Wetland Strategy in 1997, and established a Wetland Council (with over 400 members) to share wetlands research, exchange information, create partnerships, and promote cooperative wetland management. The Council meets three times a year and includes state, local, tribal and federal agency personnel, landowners, scientists, land trust staff and consultants from across the state. Ms. Saul was also instrumental in starting a voluntary, incentive-based Wetlands Legacy Program, which has conserved over 250,000 acres of wetlands, riparian areas and associated uplands.

AWARD FOR WETLAND COMMUNITY LEADERSHIP**Alice Wellford**, *Richmond, Virginia*

Ms. Wellford organized the Rappahannock Phragmites Action Committee and led this partnership in controlling hundreds of acres of this invasive plant. She has led field trips for students in her marshes, and has given presentations to schools groups and others to highlight the habitat value of our freshwater tidal marsh system. Ms. Wellford and her husband have also donated permanent conservation easements on over 1100 acres of riverfront property, including over 600 acres of wetlands.

Brown as Director for Center for Wetlands

The purpose of this note is to inform you that Professor Mark Brown has been appointed interim Director of the Howard T. Odum Center for Wetlands. Mark has had a long association with the Center and is an internationally recognized expert in the field. He is currently Director of the Center for Environmental Policy and serves as the principle investigator of an NSF IGERT Program entitled Adaptive Management: Wise Use of Water, Wetlands and Watersheds.

Under the leadership of Professor Odum and the subsequent efforts of his colleagues, the Center developed a world class reputation for excellence in wetlands research. Given the intense pressure on wetlands around the world, the Howard T. Odum Center for Wetlands is as relevant as ever. Please join me in thanking Mark for accepting this important and visible position.

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Wetlands Back Issues Available on cd

Volumes 1 through 19 inclusive have been digitized and are now available in pdf format using Acrobat Reader 6.0, a copy of which is included on the diskette. All issues are keyword searchable. Prepayment by credit card or check (payable to Society of Wetland Scientists) is required. Price is inclusive of handling and postage by regular delivery: \$50 for members and \$150 for non-members. They are available from the SWS Business Office by contacting MaryLou Scarbrough. Her email is mscarbrough@burkinc.com or by phone at (703) 790-1745.

Mitigation Banking Conference

10th Anniversary Conference Addresses the “Next Decade of Banking”

Mitigation & Conservation Banking, a growing industry that unites environmental and economic practices to restore and enhance wetlands and other natural resources, is the topic at the 10th Anniversary Conference, April 10-13, 2007, in St. Louis, Mo.

Established as the only national conference that brings together key players in this industry, the Conference will offer quality hands-on sessions and important regulatory updates to an anticipated 400 attendees.

Special invited guests include Jason Scott with Generation Investments, LLC, London, England who will speak to bankers about opportunities for investing in this green industry, and Larry Selzer, CEO of The Conservation Fund, Rosslyn, Virginia, who will provide an environmental review and perspective on the future of banking.

The opening day lunch session offers a prestigious panel of experts who will take a look at the regulatory environment, mitigation banking in the courts and a more in-depth environmental outlook. And the McGeorge Group brings a new panel and timely discussion on where mitigation & conservation banking are headed.

Other interactive sessions include presentations and discussions on Emerging Markets, Stream Mitigation Banking, Improving the MBRT (IRT) process, Urban Banks, Sold-Out Banks, Obstacles, Threats & Opportunities, The Business of Banking, Outside the Box Approaches to Banking, Tracking Progress & Conservation Banking.

The Conference has also expanded the Stream Banking & Restoration Workshop, and will continue the Primer Workshop and three field trips.

Conference sponsors are major players in banking, including The Conservation Fund, the National Mitigation Banking Association, and bankers Earthmark Companies: Mitigation Services Division, Environmental Banc & Exchange, LG2 Environmental Solutions, Loafer Creek, Marsh Resources, Parsons, Restoration Systems, Tetra Tech, The Wetlandsbank Group, Westervelt Ecological, and Wildlands.

Federal agency sponsors include the Federal Highway Administration, USDA Natural Resources Conservation Service, U.S. Army Corps of Engineers, and the U.S. Environmental Protection Agency. Co-sponsors include National Oceanic and Atmospheric Administration, the Association of State Wetland Managers and the International Conference on Ecology and Transportation.

For additional information, see www.mitigationbankingconference.com, e-mail cbahler@comcast.net or call 703. 837.9763

Regional Delineation Manuals

The Army Corps of Engineers has implemented regional supplements to the 1987 Wetland Delineation Manual for Alaska and the Arid West states. The Army Corps of Engineers has implemented these regional supplements to better assess the presence of wetlands using regional criteria. In these areas, the Army Corps of Engineers requires the use of the regional supplements instead of the 1987 Wetland Delineation Manual although there are mechanisms to retain use the 1987 Wetland Delineation Manual. After a designated interim phase, the Army Corps of Engineers will re-evaluate the use of the regional supplements.

You can download both supplements from the Army Corps of Engineers web page, http://www.usace.army.mil/cw/cecwo/reg/reg_supp.htm.

10th International Symposium on Wetland Biogeochemistry

1-4 April 2007
Annapolis, Maryland US

The objective of the 10th convening of this international symposium is to reflect on Frontiers in Wetland Biogeochemistry. Recent years have witnessed a dramatic increase in our knowledge of microbial metabolic diversity that calls for revisiting the classical paradigm of resource competition in soils and sediments. Discoveries have come from both traditional biogeochemical studies and novel molecular studies, and they demonstrate the power of integrating these fields. Many recent advances have important implications for the management of natural and created wetland ecosystems.

The symposium welcomes research contributions from the full range of scales (molecular to ecosystem), applications (basic to applied), and ecosystems (mangroves to peatlands). In addition to the symposium theme, sessions will cover a wide variety of current topics in wetland biogeochemistry.

Abstract Submission Deadline: January 19, 2007
Early Registration Deadline: February 2, 2007

For more information:
<http://www.serc.si.edu/conference/index.jsp>

GRN Press Release



GLOBAL RESTORATION NETWORK

MARCH 15, 2007

FOR IMMEDIATE RELEASE

CONTACTS :

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410.554.0156

Mary Kay LeFevour | Executive Director, SER & GRN | mkl@ser.org | 520.622.5485

GLOBAL RESTORATION NETWORK LAUNCHES TODAY

www.GlobalRestorationNetwork.org WILL CHANGE THE PRACTICE OF ECOLOGICAL RESTORATION AROUND THE WORLD---IN THREE CLICKS OR LESS

Tucson, AZ- The Society for Ecological Restoration (SER) International today launched the Global Restoration Network---a free, online hub for comprehensive information on all aspects of ecological restoration. The interactive website is rich with data, information, expertise and the latest techniques and innovations in restoration, and is freely accessible to anyone in the world who has an Internet connection. In three clicks or less, users will find the exact information they need to research, design, implement and improve their ecological restoration projects.

"The root of ecological restoration is information," says SER International Board Chair Keith Bowers. "The Global Restoration Network is SER International's answer to the rapid development of the science and practice of our comparatively young environmental field. We've gathered a massive amount of information in a few short decades, but we had been lagging behind in our ability to make that information accessible to one another. We now know quite a lot about the complex scientific, economic and social factors that lead to successful, sustainable restoration projects, and the Global Restoration Network makes that information freely available to everyone who needs it."

The Global Restoration Network will improve the quality of restoration work worldwide with the click of a mouse. A specially designed database allows users to conduct efficient searches by entering specifications such as the type of biome (wetland, grassland, etc), region of interest, source of degradation, and more. The search results include annotated links to the most relevant literature, case studies, data sets, white papers, organizations, government resources and most importantly restoration experts. There are also areas of the Global Restoration Network that offer lists of potential funders; educational and volunteer opportunities; video and audio feeds of Restoration Radio programs and interviews with experts;

GRN Press Release continued

descriptions of current and past restoration projects; thousands of annotated links to websites and blogs related to restoration; and a growing directory of experts in the restoration field.

"Most professionals are vaguely aware of the impressive amount of restoration happening around the world, but until now there hasn't been a central hub of information where practitioners, communities, businesses and government agencies can benefit from one another's experience and hard work," says SER International Executive Director Mary Kay LeFevour. "The Global Restoration Network makes it easy for everyone to find exactly the information they need about any type of ecosystem or restoration challenge. Our hope is that it will make it easier for people to create sustainable restorations and stop wasting time, money and energy reinventing the wheel."

The Global Restoration Network has been endorsed by leaders in of the World Conservation Union (IUCN), the Convention on Biological Diversity; the Ecological Society of America, the Center for Biodiversity and Conservation at the American Museum of Natural History, and the International Union of Forest Research Organizations. (See below for excerpts of two of the endorsements. For the full text, visit www.globalrestorationnetwork.org).

"The Global Restoration Network will be the source for professionals and students alike as the source of information on restoration," says Nikita Lopoukhine, chair of the IUCN World Commission on Protected Areas. "IUCN is very excited by this contribution by [SER International] to the world of conservation of biodiversity."

"The Global Restoration Network portal ... provides direct access to technical information on ecosystem rehabilitation and restoration," says Dr. Ahmed Djoghlaif, Executive Secretary of the Convention on Biological Diversity. "...As the world community continues its efforts to significantly reduce the rate of biodiversity loss, restoration science is becoming an increasingly important tool. The Global Restoration Network provides access to proven approaches and methodologies that help to avoid costly mistakes."

Sponsors of the Global Restoration Network include The U.S. Forest Service, Biohabitats, Inc., Blackwell Publishing, Chevron, Temper of the Times Foundation, and Island Press.

For more information, visit www.GlobalRestorationNetwork.org

The mission of **SER International** is to promote ecological restoration as a means of sustaining the diversity of life on Earth and reestablishing an ecologically healthy relationship between nature and culture. SER was founded in 1988, by a diverse group of people including biologists, ecologists, philosophers, ethicists, community activists and others and today has more than 2,000 members worldwide and 14 independent Chapters throughout the U.S., Mexico, India, Latin America and the Caribbean, Australia, Canada, Europe, and Asia. SER International supports and publishes research on restoring biodiversity; establishes guidelines for "best practices" in the field.

Editor's Note: The following article is reprinted with permission and appeared in the January 2007 issue of BioScience. Our thanks to BioScience for extending us this courtesy.

Viewpoint

The Foundation of a New Conservation Movement: Professional Society Positions on Economic Growth

BRIAN CZECH

The American Fisheries Society, American Society of Mammalogists, and Society for Conservation Biology (SCB) are contemplating position statements on the conflict between economic growth and conservation of fish, mammals, and biodiversity, respectively. Similar considerations are bubbling up in the Ecological Society of America, Society for Range Management, and International Society for Ecological Economics. Positions have already been taken by The Wildlife Society, SCB's North America Section, and the US Society for Ecological Economics, complemented by numerous position statements and endorsements from non-professional conservation organizations and individuals.

The proponents of this movement have overcome some high hurdles, and the finish line beckons. What prize awaits, not only for the proponents but also for the conservation community at large? The prize is a foundation of solidarity upon which to build a new, grounded, more socially relevant conservation movement.

This new conservation movement won't dance to the seductive political tune, cantillated from right and left, that "there is no conflict between economic growth and environmental protection." This new movement goes beyond the oxymoronic "smart growth" to a smarter approach of development without growth. This movement won't allow itself to be miscast as a "socialist" agenda. Rather, this movement is about clarifying—for the public, the firm, and the policymaker—the trade-offs society faces between increasing production and consumption of goods and services

and protecting the environment. Clarification will lead to political accountability, policy reform, and a more responsible consumer ethic.

Like all good things, this new conservation movement won't come easy. Taking a position can be a daunting task; fears abound, and sometimes the struggle doesn't seem worth it. The objectives of this article are to uproot unwarranted political fears and provide an overview of how positions on economic growth may be used. This article does *not* address technical matters. Those have been addressed elsewhere and adequately enough, for example, to empower an organization as cautious as The Wildlife Society to identify a "fundamental conflict between economic growth and wildlife conservation" (Wildlife Society 2003). "Skeptical environmentalists" and others who would yet argue that there is no conflict should address their objections to the burgeoning literature on that conflict.

Nothing but fear itself

Having engaged the issue of economic growth for over 10 years, I have seen plenty of political fear. Age, experience, and PhD studies in political science helped me overcome my own, so it comes with a penny of empathy, yet a pound of chagrin, to witness the apprehension of professional society leaders in dealing with economic growth. Their leadership on other issues is assured and assuring, but faced with the issue of economic growth, many have frozen, waffled, or retreated. Their fear stems not from personal cowardice, but rather from an urge to protect professional societies from uncharted waters. It is a vague, discomfiting

fear, more like fear of the dark than of any known creature therein.

I witnessed this type of fear confronted (successfully, by and large) by The Wildlife Society's council during the years leading up to its position on economic growth, adopted in 2004. A wary council found it difficult to identify particular dangers, but some members opined that our friends on Capitol Hill would take offense, ruining hard-earned efforts to affect legislation on traditional fronts such as the Farm Bill. The same breed of fear manifests in other venues, reactive and proactive, such as when an agency supervisor censors employees who attempt to inform the public of the environmental perils of economic growth (reactive fear), or when a political appointee disingenuously parrots the "no conflict" rhetoric of his or her political master (proactive fear).

This fear of the dark stems from confusion about the political nature of policy arenas. It is true that a civil servant, a political appointee, or even a professional society can suffer when a powerful politician is provoked. For example, if a government biologist remonstrates publicly about the environmental threats posed by mining, a backlash is likely. Politicians are beholden to corporations because of the campaign financing proffered by the latter. Spurred by the corporations (mining in this case), and operating through political appointees,

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the politician may go after the principled but audacious employee.

The employee will be somewhat protected if a professional society has also taken a stand on the issue. Yet if the industry is powerful enough, and its profits are directly threatened by the professional society's stance, it may attack the society as well. For the politician to participate in retaliation, the threat to industry must be not only direct but substantial, because the votes of an entire organization are prized. This is special interest politics at its most basic. There are other types of public policy scenarios with different dynamics, however, and economic growth is one of them.

Political scientists characterize public policy dynamics by the costs and benefits to the relevant parties. The economic growth policy arena is a classic example of a "diffused-costs, diffused-benefits" policy arena. The costs to industry of professional society position statements on economic growth are too diffused to warrant a response by any particular corporation, much less concerted retaliation. Weyerhaeuser, Monsanto, and Exxon must deal continually with issues of concentrated costs, such as spotted owls, pesticide restrictions, and oil spills. Positions on economic growth won't motivate or mobilize them.

This is not to say there will be utter silence among the corporately funded think tanks. The Competitive Enterprise Institute, American Enterprise Institute, and Cato Institute are among the expected respondents. There will most likely be rhetoric about a dematerialized "information economy," fond references to Julian Simon and Bjørn Lomborg, and accusations of tree hugging and crying wolf on our part. Except within extremely biased circles, however, such rhetoric will fail, because the constituents of professional scientific societies are decidedly not an assemblage of tree huggers who cry wolf.

The closest thing to crying wolf occurs when purported perils in a policy arena are bemoaned by those who have never ventured inside it. If Franklin D. Roosevelt were alive, he could hardly find a

more apt context for his maxim "The only thing we have to fear is fear itself." The fact that several professional societies with positions on economic growth are still alive and well should help assuage other professional societies.

What do we do with positions on economic growth?

Another unwarranted fear is that professional societies will be deemed "advocacy organizations" simply by taking positions on economic growth. The position taken by a professional society is designed to clarify the scientific evidence about an issue relevant to public policy. It may go so far as identifying alternative policy goals (e.g., the steady-state economy) and even policy tools (e.g., fiscal and monetary policies). Clarifying science and identifying policy alternatives are a far cry from advocacy.

Granted, for a professional society position statement to be effective, someone somewhere may have to advocate some policy reform. Many conservation organizations live for such opportunities. Friends of the Earth, for example, is no stranger to advocating, and successfully. But success is never guaranteed. In the early 1970s, Friends of the Earth undertook an educational campaign on the environmental perils of economic growth. It began auspiciously, with coverage in *U.S. News and World Report*, but ultimately the campaign blew away in the political winds. Now imagine if Friends of the Earth, advocacy reputation and all, had also had position statements from the professional natural resource societies in hand. Brent Blackwelder, president of Friends of the Earth then and now, believes it would have made a tremendous difference, and still would today.

Imagine further the effects of such a campaign undertaken by a number of organizations such as the World Wildlife Fund, Sierra Club, American Rivers, and many others big and small, national and international in scope. This is how a conservation movement grows to adulthood. However, for a good chance in life, this particular movement must be

borne of the professional society position statement.

The educational campaign is by no means the only use for a position statement. Opportunities abound in political economy. Who would have thought the Supreme Court of the United States would afford us one of the greatest opportunities in history to educate the public and policymakers on the conflict between economic growth and environmental protection? Yet that is precisely what happened in 2005 when the Court based its landmark decision in *Kelo v. New London* on its belief that economic growth is a "public purpose." *Kelo* opened a window of opportunity for an amicus brief by the likes of, for example, the Natural Resources Defense Council, illuminating the public purposes (including environmental protection) eroded by economic growth. However, such a brief would have been dead in the water without the scientific moorings of the professional societies, which were lacking. The brief was never written.

Indeed, a collective position on economic growth by the professional natural resources societies will empower reform in virtually every relevant venue. Letters to editors, university curricula, government agency briefings, congressional testimony, academic symposia, town hall meetings, books, political platforms, political campaigns—the sky is the limit. Ultimately, the United States and the global community will acknowledge the fundamental conflict between economic growth and environmental protection. Only then will policy be formulated accordingly, and only then will we truly have environmental protection for the sake of biodiversity, human health, and posterity's economic security.

Reference cited

The Wildlife Society. 2003. The Relationship of Economic Growth to Wildlife Conservation. Bethesda (MD): The Wildlife Society. Wildlife Society Technical Review 03-1.

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Include this information when citing this material.



Society of Wetland Scientists 2007 Membership Application

1313 Dolley Madison Blvd, Suite 402, McLean, VA 22101
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Student	\$25	\$5	\$5	\$10	\$0
Student (developing country) ¹	\$25	\$25	\$5	\$30	\$0
Family	\$110	\$15	\$15	\$30	\$0
Lifetime (1 payment)	\$1000	\$0	\$0	\$15 ³	N/A
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Corporate/Institution	\$500	\$0			
Developing Country Corporate/Institution ¹	\$100	\$20			

Students: Indicate your Student Association (if applicable)

¹ See list of qualifying countries on next page.
² Members from developing countries making over \$40,000 per year should use the dues structure for Active members.
³ For 2007 only. The cost for both electronic and paper versions of the journal are being determined for lifetime memberships.

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| <input type="checkbox"/> Founders International Endowment Fund | \$ _____ | <input type="checkbox"/> Developing Country Membership Sponsorship | \$ _____ |
| <input type="checkbox"/> SWS Awards Fund | \$ _____ | <i>(\$30 supports one membership & electronic journal)</i> | |

EXPERIENCE: (You may choose a maximum of 5)

- | | | |
|---|--|--|
| <input type="checkbox"/> (01) Applied Ecology | <input type="checkbox"/> (09) Landscape Ecology | <input type="checkbox"/> (16) Restoration |
| <input type="checkbox"/> (02) Creation | <input type="checkbox"/> (10) Plants | <input type="checkbox"/> (17) Societal Values |
| <input type="checkbox"/> (03) Delineation | <input type="checkbox"/> (11) Policy | <input type="checkbox"/> (18) Soils |
| <input type="checkbox"/> (04) Ecology | <input type="checkbox"/> (12) Regulation | <input type="checkbox"/> (19) Training |
| <input type="checkbox"/> (05) Education | <input type="checkbox"/> (13) Remote Sensing/Mapping | <input type="checkbox"/> (20) Water Quality |
| <input type="checkbox"/> (06) Functional Assessment | <input type="checkbox"/> (14) Economics | <input type="checkbox"/> (21) Wildlife Ecology |
| <input type="checkbox"/> (07) Hydrology | <input type="checkbox"/> (15) Resource Management | <input type="checkbox"/> (22) Other: _____ |
| <input type="checkbox"/> (08) Inventory | | |

EMPLOYMENT: (Choose 1)

- (01) Federal Government
- (02) Industrial
- (03) Private/Non Profit
- (04) State Government
- (05) Consulting
- (06) University/Research
- (07) Local Government
- (08) Private
- (09) Student
- (10) Other: _____

PAYMENT OPTIONS

TOTAL PAYMENT \$ _____

Mail Check Payment to: SWS, 1313 Dolley Madison Blvd., Suite 402, McLean, VA 22101

or Fax to: 703-790-2672 VISA MasterCard American Express

Card Number: _____ Exp. Date: _____

Credit Card Billing Address: _____

Cardholder Name: _____ Signature: _____

All payments must be made in US dollars, Drawn on US Banks. US Postal Money Orders, US Travelers Checks, American Express MasterCard, & Visa will also be accepted.



Society of Wetland Scientists

703-790-1745; Fax: 703-790-2672, Web Site: www.sws.org/Email: SWS@BurkInc.com

The SWS is a non-profit organization founded in 1980 to promote wetland science and the exchange of information related to wetlands. The Society continues to grow with members from most states and provinces in the U.S., Canada, Mexico and many other countries. The Society holds an annual meeting for the presentation of scientific and technical information and for field trips to local wetlands, and supports student research on wetlands.

Membership in the SWS includes four issues per calendar year (Jan.-Dec.) of the journal *Wetlands* (optional), SWS Bulletin (online), regional chapter newsletters, discounted registration at the annual conference and voting privileges. Membership questions can be directed to the above address. Visit the SWS website at <http://www.sws.org> to learn more about the SWS and wetland-related activities.

SWS DUES NOTICE REGARDING CHARITABLE CONTRIBUTIONS

SWS is a non-profit organization under Section 501(c)(3) of the Internal Revenue Code. As such, all contributions to the organization are deductible as a charitable contribution to the extent that the amount contributed exceeds the fair market value of goods and services provided to the contributor. **Membership dues and costs of journal subscriptions are set at fair market price.**

SWS ENDOWMENT PROGRAM

The Endowment Funds help to maintain SWS activities and to support and reward SWS members. All donations are Tax Deductible. Information on how the funds are distributed can be found on the SWS website (www.sws.org).

DEVELOPING COUNTRY MEMBERSHIP SPONSORSHIP

Members from developing countries who are unable to pay dues and the fees for the journal can apply for support. Donations under the Developing Country Membership Sponsorship support this program. See website for details www.sws.org.

FOUNDERS INTERNATIONAL ENDOWMENT FUND

This endowment is used to advance international activities in the field of wetland science and management.

HUDSON SEYMOUR-ALLAN ENDOWMENT FUND

The endowment is used to support and enhance the Society's journal *WETLANDS*. This endowment is dedicated to the memory of William (Bill) Ellis Hudson and Jeanne Seymour-Allan Hudson, who shared their lives along one of Nation's largest wetland resource, the Mississippi River.

STUDENT SCHOLARSHIP FUND

The **Student Scholarship Fund** provides grants annually to support wetland research by students. Research proposals compete for funding through a peer-review process.

SWS AWARDS FUNDS

This endowment was established to support the SWS Awards Program that honors excellence in wetland science and service to wetland science and management. The following awards are supported by this fund:

- **SWS SERVICE AWARD:** Awarded to a member who has made significant contributions by serving the Society and its members by promoting the goals of the Society in efforts that extend above and beyond their duties as teachers, researchers, consultants, and administrators.
- **SWS INTERNATIONAL FELLOW AWARD:** Awarded to an internationally outstanding wetland scientist for distinguished contributions to the field of wetland science and for fostering the aims of SWS within their own country and elsewhere.
- **SWS INTERNATIONAL TRAVEL AWARD:** Awarded to provide financial assistance to wetland scientist, disadvantaged through regional economic conditions, to enhance their participation in Society activities.
- **SWS LIFETIME ACHIEVEMENT AWARD:** Awarded to an individual in honor of a distinguished and extensive career of consistent meritorious Contribution to wetland science. This award is given for specific accomplishments in any field of wetland science and management.
- **BEST STUDENT PAPER AND POSTER AWARDS:** Awarded for the best student paper and the best student poster presented at the annual meeting of SWS.

PLEASE CONSIDER A DONATION TO THE SWS ENDOWMENT AND AWARD FUNDS! THEY SUPPORT IMPORTANT SOCIETY ACTIVITIES AND CAN GROW ONLY THROUGH YOUR CONTRIBUTIONS!