



# SWS

SOCIETY OF WETLAND SCIENTISTS

# BULLETIN

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# President's Message:

## "Strategic Goals and Strategic Actions for Wetlands"

Barbara L. Bedford

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Goals without associated actions have little meaning. As a professional scientific organization, the Society of Wetland Scientists has seven goals associated with its overall mission "to promote understanding, conservation, scientifically-based management, and sustainable use of wetlands." As expressed in the 2005-2010 SWS Strategic Plan (available on the SWS web site), those goals are:

- 1) promote basic and applied wetland research of high quality;
- 2) support wetland education and public awareness of wetlands;
- 3) provide forums to disseminate the latest scientific results;
- 4) promote science-based stewardship of wetlands;
- 5) encourage incorporation of sound wetland science into policy;
- 6) foster the international scope of wetland science and SWS; and
- 7) ensure that the growth and evolution of SWS are sustainable.

I want to take this opportunity to call your attention to specific actions the Society, acting through its Board of Governors and committees, has taken in recent months to give these goals real meaning.

I will start by urging you to renew your membership in SWS today. You may have forgotten, you likely are quite busy, or you may be put off by the dues increase this year. However, I want to emphasize that the highly strategic action taken by the membership at last year's annual meeting to move the Society in the direction of Goal #7 by increasing membership dues is what will make continued movement on all the other goals possible. Dues support the operating budget of the Society, including its publications, its web page, its meetings and other forums, chapter activities, expenses associated with the work of committees, outreach to minority groups, and the legal mandates and fiscal reporting requirements of being a large tax-exempt organization. If you have access to SWS publications through another route, or are unable to attend this year's annual meeting in Australia, our first annual meeting outside of North America, you may not see the benefit to you as an individual of belonging to the Society. But recall that the Society promotes the overall well-being of the profession of wetland science and of wetland ecosystems world-wide. If the field does well and wetlands are conserved and managed in sustainable ways, you do benefit. Together, and only together, do we have the power to achieve what I think you will agree are worthy goals. Renew now, and consider volunteering for a committee within the overall Society or within your chapter. The Society and the world's wetlands need you.

Now here are some of the strategic actions the Society has taken in the last several months. Some are focused on a single strategic goal while others address several goals.

Hurricane Katrina. Within 48 hours of the hurricane striking, SWS had information up on its web site offering assistance – housing, office space, contact information -- to fellow wetland scientists affected by the devastation. It also provided information on how to contribute to hurricane relief and links to photographs of the effects on barrier islands and wetlands. In addition, the South Central Chapter was able to ensure that an SWS member, Jenneke Visser, was part of the official delegation that

*President's Address, continued*

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accompanied Louisiana's senators and governor on a fact-finding mission to The Netherlands regarding coastal restoration. They are still working to insert wetland science into Louisiana wetland politics.

**New journal editor.** The decision by Doug Wilcox to step down as Editor-in-Chief of *Wetlands* after 20 years created an unprecedented and what seemed an insurmountable task for the Society. *Wetlands* is the "face" of the Society to most people, and it is the primary means by which we work toward many of our goals. Doug literally has made *Wetlands* the highly-respected journal that it is today, and he has done so entirely as a volunteer. Our odds of finding another volunteer with the credentials to fill the void seemed vanishingly small. Our budget could not withstand other than a volunteer. Nonetheless, the Publications Committee, under Mark Brinson's leadership, succeeded in finding an able replacement, Dr. Darold Batzer, of the University of Georgia. In January, the Board approved Dr. Batzer as the new Editor-in-Chief. Doug will continue through 2006 to help Dr. Batzer and the Society make the transition. Look for Dr. Batzer's vision for the journal to be posted on the SWS web page in the next month.

**Upgrades to SWS web site.** The other critical "face" of SWS is its web page. Because we have lacked the funds, no upgrade has been made to the site for many years. Rob McInnes, President of our European chapter, called our attention to how much more informative and functional the site could be for its members. This past February the Board approved the request from the Publications Committee to amend its budget to upgrade the look, feel, and functionality of the site. Web Master, Richard Chinn, took charge of finding a web designer. Look for an updated SWS web site in the next couple of months.

**Electronic access to *Wetlands*.** Also look for electronic access to *Wetlands* for all members soon. Brett Burk, from the Office of the Secretariat at Burk and Associates, called to the attention of the SWS officers the potential for electronic access through working with BioOne. This idea is in the hands of the Publications Committee.

**Alternative dues structure for wetland scientists in developing countries.** In keeping with Goal #6, the Membership Committee has developed an alternative dues structure for wetland scientists in developing countries. This proposal will make it possible for people with incomes well below those of us in developed countries to obtain membership and the journal. The Board approved the proposal at the February Mid-Year Board Meeting. It will be presented to the full membership for a vote at the 2006 annual meeting.

**Amicus brief to Supreme Court.** As many of you know, the Supreme Court took oral arguments in two wetland cases ("Rapanos" and "Carabell") on February 21, 2006. In November 2005, SWS was asked to join three other scientific societies in preparing and signing an amicus curiae brief to the Court on these two cases. The focus of the brief was to be a summary of the science relevant to the cases. Sandy Doyle-Ahern, chair of the Wetland Concerns Committee, and Mark Brinson, worked with the SWS Executive Board to respond rapidly to this timely request from the Southern Environmental Law Center, who wrote the final brief on behalf of SWS, the Ecological Society of America, the American Society of Limnology and Oceanography (ASLO), and the Estuarine Research Federation. Look for a copy of that brief to be posted soon to the SWS web site.

**Rejuvenation of Education and Outreach Committee.** Because of budget constraints, SWS has not been able to

*President's Address, continued*

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fund any initiatives in the area of education and outreach despite an apparent need for greater education of the public, the U.S. Congress, and other governments on wetland science and management. At its Mid-Year Board Meeting, the SWS Board approved an amendment to the budget to fund the Education and Outreach Committee for the first time in several years. That committee, chaired by Ben LePage, already has a full agenda. It will be working with ASLO and other scientific societies to conduct an education campaign on the Hill, and will coordinate distribution of back issues of *Wetlands* to colleges and universities in developing countries.

**Presence at MANNRS meeting.** One of our student members, Alani Taylor from the University of Georgia, spearheaded getting the Human Diversity Committee to appropriate funds to bring the SWS display to the annual Career Fair and Training Conference of Minorities in Agriculture, Natural Resources, and Related Sciences (MANNRS) in St. Louis this year. Our Secretariat at Burk and Associates is working with Alani and former SWS President Mark Felton, to get the display there, set up, and manned.

**Policies and Procedures Manual.** Beginning as it did as a small volunteer organization, SWS operated largely by word of mouth from one set of officers and Board of Governors to the next. When Frank Day was SWS President, he undertook development of the Society's first Policies and Procedures Manual because he found the old approach inefficient and frustrating because nothing about the Society's routine operations was written down. He passed that version on to Kathy Ewel to edit when she became President. This year, Mary Kentula, President-elect, has been working with Kathy to get the Manual finalized and up on the SWS web site. Look for it soon.

**New Meetings Manual.** With our Secretariat now ready to handle the business and logistical end of our annual meetings, the conference organizers are now free to focus on the scientific program, regional themes and flavor, and field trips. To help both conference organizers and the Secretariat in planning and running meetings, Leslie Felton, Treasurer-elect, has undertaken development of a new Meetings Manual. This manual should be available in the next couple of months.

These strategic actions are all consistent with the vision for the Society expressed in the Strategic Plan:

- strive to be recognized as the leader in wetland science
- lead the education of wetland professionals and the public regarding wetland science and applications
- continue to promote the development of wetland science programs around the world, particularly in developing countries and to promote diversity among SWS members
- actively promote the inclusion of sound science in wetland policy and stewardship.

Think about these goals, visions, and actions taken on behalf of the entire profession of wetland science and wetlands around the world. Don't you want to be part of it all?

# 27th Annual Meeting in Australia

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We Invite You to Attend the ...  
Society of Wetland Scientists  
27th Annual Meeting in Australia

Catchments to Coast Conference  
9 - 14 July, 2006, Cairns, Queensland, Australia

This meeting marks an important stage in the evolution of the Society of Wetland Scientists becoming a truly international society and the Australian Chapter is proud to host the Societies 27th annual meeting. Catchments to Coast is an international conference, the major focus of which will be the vital role and value of wetlands within the terrestrial and marine environments. Importantly, the conference provides an international platform for showcasing the need for, and benefits of, a multidisciplinary approach to the complex issues associated with the land-sea interface. Running concurrently with the Australian Marine Sciences Association 2006 Annual Conference, you will be able to attend symposia and enjoy fantastic networking opportunities with members of both organizations.

Cairns is a beautiful, small, tropical city and July is one of the best months to visit. With the Great Barrier Reef at your doorstep, cool nights and warm sunny days the field trips are bound to please. For international visitors, attending the conference provides the opportunity to stay longer and explore a unique country with a variety of fascinating wetlands and environments.

My team and I are looking forward to seeing you in July for a week of science, business and fun.

David Rissik  
Chair  
Society of Wetland Scientists 27th Annual Meeting

Editor's Note: For complete conference information, please refer to the separate conference pdf file under the March SWS Bulletin link.

# 2007 SWS INTERNATIONAL CONFERENCE

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Water, Wetlands, and Wildlife—Resolving Conflicts and  
Restoring Habitat.

**June 17-22, 2007**

**SACRAMENTO, CALIFORNIA**

The Western Chapter of the Society of Wetland Scientists will be hosting the Society's International Conference for 2007 in Sacramento, CA. The conference will be held from June 17 to 22, 2007, at the Sacramento Convention Center. The host hotel will be the Sheraton Grand Hotel in downtown Sacramento. The Chapter expects at least 750 SWS delegates. The conference will follow successful formats used at previous conferences including workshops, verbal presentations, poster sessions, exhibitor booths, silent auction, chapter and society business meetings, and social functions.

Sacramento, in the heart of California and also its state capitol, offers visitors a unique opportunity to experience the diversity of California while meeting the requirements of the Society's conference needs at an affordable cost. Sacramento offers visitors a chance to experience the state's past in Old Sacramento, on the Sacramento River, and at the world-class railroad museum and the State Indian Museum. The State Capitol and surrounding facilities are adjacent to the conference center. The City offers a diversity of cuisine, open space, and recreational opportunities for attendees and their families. San Francisco Bay, the Napa Valley, and Lake Tahoe are all within a 1- to 1.5 -hour drive from the conference center.

The purpose of this conference is to bring together wetland scientists in the fields of academia, professional consulting, and government to explore the most recent findings in wetland science, to learn new techniques and procedures, to exchange information on wetland and water policy throughout the world, and to discover the unique attributes of western wetlands.

The Theme of the conference is "Water, Wetlands, and Wildlife—Resolving Conflicts and Restoring Habitat." The theme was selected to represent the broad fields of wetland science and to focus on the worldwide demand for clean water and the role that wetlands can play in meeting that need. This is particularly important in arid climates like California, Arizona, Nevada, and the Pacific Islands where water demands often result in the diversion of water from natural areas affecting not only the functioning of wetlands, but also the wildlife associated with these areas. At the same time, wetlands are being designed to assist in recharging groundwater basins, treating wastewater and stormwater, and purifying drinking water. We hope that this theme will bring together hydrologists, biologists, and managers who are dealing with these problems. Local programs such as the Cal Fed projects, the South Bay Restoration Project, the Napa-Sonoma marsh restoration, the Salton Sea

*Conference continued*

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restoration project, and the many stream and wetland restoration projects around Lake Tahoe are examples that can serve as symposium topics for the conference.

The Conference Committee is soliciting the following from the SWS membership:

- Proposals for Symposia to be held in relation to the Conference Theme
- Proposals for Workshops and Field Trips in the Region
- Volunteers to serve on the Planning Committee and for various program elements.
- Sponsoring organizations

#### 2007 SWS Conference LOGO Contest

The Western Chapter of SWS is sponsoring a logo contest for the 2007 SWS conference in Sacramento, CA. We are soliciting entries from SWS members. The Theme of the Conference is: Water, Wetlands, and Wildlife-Resolving Conflicts and Restoring Habitat. The logo will go on the mast head of the Web Site along with the SWS and PCP logos. Logos which bring together the theme of the conference and are consistent with SWS logos will receive the highest ranking. Please submit all logos by April 30, 2006 to the conference chair at "josselyn@wra-ca.com". The winner will receive recognition on the web page and a \$500 cash prize at the Conference.

Please contact Mike Josselyn at WRA, Inc. (415-454-8868) or email at [josselyn@wra-ca.com](mailto:josselyn@wra-ca.com).

# 2006 SWS Election

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## CANDIDATES FOR VICE-PRESIDENT

### **R. Harold Jones**

I was born and raised on an active farm in a very rural area of upstate New York locally known as the “Alabama Swamps”. In my youth, I spent as much time as possible exploring the varied natural attributes of the swamp and its surrounding resources. Wanting to understand the composition and ecology of the swamp was a driving force in establishing the direction of my formal education and career goals. Even after 35 years, I still return to the “Swamps” every summer and winter to admire, observe and contemplate the beauty of, and the subtle changes that continually occur within, this system. The property is now an integral part of the Iroquois National Wildlife Refuge.

Currently, I am President of Sigma Environmental Services, Inc. The company provides wetland and environmental training courses, wetland delineation, assessment and regulatory consulting services. In 2004, I retired from the U.S. Army Corps of Engineers, Norfolk District after 31 years of federal service, where I served as a Supervisory Environmental Scientist and Chief of the Southern Virginia Regulatory Section since 1990. During my career with the Norfolk District, I served as a PROPECT course instructor for wetland delineation classes, and received many awards and commendations for my work in applied wetland science; most notably, a Certificate of Commendation from the U.S. Department of Justice for litigation support in a number of precedent setting federal wetland cases. Previous federal service includes positions with the U.S. Fish and Wildlife Service, U.S. Forest Service, Dept. of the Army and Dept. of the Navy. I am also a proud U.S. Navy veteran.

Since 1991 I have attended all but two annual meetings and have served the Society in a number of areas, mainly with the SWS Professional Certification Program. Beginning in 1993, I served on the original Certification Committee which developed the initial program Bylaws, Standing Rules and certification standards. Once implemented in 1994, I served as a member of the Certification Review Panel until 1997 when I was appointed Chair. I continue to serve the program in that capacity today. From 2002 to 2003 I also served as the Professional Certification Program’s first independently appointed President. In 1999, I served as Conference Chair and hosted the Society’s highly successful annual meeting in Norfolk, Virginia.

I hold undergraduate degrees in Natural Resources Conservation from the State University of New York at Morrisville and another in Biology from St. Mary’s College of Maryland. I received a M.S. in Wetland Biology from Old Dominion University.

As a member of SWS, I have always been extremely proud that the Society has been able to provide support to both member and non-member students who have engaged in wetland research and study. The scholarships, grants and travel awards that have been provided have made a very meaningful, and in some cases, a very significant impact on a student’s educational endeavors. I would like to see the Society expand its student support programs. Invoking creative mechanisms for increasing our base endowments is an essential component for enabling increased student support. I am convinced that investing in the next generation is the most prudent investment the Society can ever make.

**J. Patrick Megonigal**

I am currently a Senior Scientist at the Smithsonian Environmental Research Center, MD, USA. After earning BS and MS degrees at Old Dominion University, I joined the University of Georgia's Savannah River Ecology Lab and directed research on wetland delineation, bottomland forest productivity and hydric soil development. I earned a Ph.D. at Duke University where I studied the response of tidal wetlands to elevated CO<sub>2</sub> and temperature. After four years as an Assistant Professor at George Mason University, I joined the Smithsonian Institution. My major research interests are hydric soils, wetland responses to climate change, and iron plaque microbial ecology.

I have been an active member of SWS for 20 years and a lifetime member for five years. As Poster Committee Chair (1989-90), I organized the first revenue-generating Exhibitor Section at an annual meeting. I expanded activity and membership interaction in the largest SWS chapter as South Atlantic Chapter Chair (1999-01). As Student Presentations Chair (2002-04), I developed Judge Web, a unique internet tool for facilitating this important activity at the annual meeting. Presently, I am serving as Chair of the SWS Scholarship Committee, which annually awards student research grants, and Associate Editor for the Society's respected journal *Wetlands*.

The Society is well poised to mature as an international organization in the next several years because of its recently completed strategic plan, which stresses raising the rigor of wetland science and enhancing the sound application of science to regulation and policy. The path forward must take account of the Society's diverse membership (i.e. scientists, regulators, and consultants) which is simultaneously our greatest strength and biggest challenge to serve. My goal as President would be to implement the strategic plan in a manner that serves these diverse interests. In particular, I would evaluate the format of the annual meeting and promote new publications for non-technical audiences as ways to encourage dialogue between the different communities. In addition, I would continue to engage our international colleagues and develop new sources of revenue to support these activities.

# SWS 2006 BALLOT

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Please vote for one person:

For VICE-PRESIDENT (Will become President in 2007):

\_\_\_\_\_ **R. Harold Jones**

\_\_\_\_\_ **J. Patrick Megonigal**

**DEADLINE FOR VOTING IS APRIL 15**

(Ballot must be post-marked by April 15, 2006)

VOTE ONLY ONCE USING ONE OF THESE METHODS:

1. Web Voting: Go to [WWW.SWS.ORG](http://WWW.SWS.ORG) and locate the section on the "SWS Election". Enter your MEMBER ID NUMBER (6 digit number starting with 0, shown above your name on the mailing label of your journal package.)

Or

2. Mail Vote: Fold this form and use tape (do not staple) to close the folded sheet. Place appropriate postage on the folded sheet 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

# CANADIAN CHAPTER REQUESTS

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## APPLICATIONS FOR THEIR ANNUAL STUDENT TRAVEL AWARD

The Society of Wetland Scientists Canadian Chapter Annual Student Travel Award was named in honor of Kenneth W. Cox, a distinguished Canadian wetland conservationist, and the first award was issued in 2005. The Award is now available for 2006, and applications from students at any Canadian university or college are invited. The award is CA\$500 towards travel costs to attend the SWS Annual Meeting. If the student is not currently an SWS member, a one-year student membership is included in the award.

### Application process:

- Write a brief essay (500 word maximum) on what your interests are in a career in wetland science, policy or management.
- Confirm you have the means otherwise to go to this annual SWS meeting (e.g. other sources of funds to fill the gap). This year's meeting is in Cairns, Australia in June 2006.
- The award is open to a student registered in a Canadian university or college, no age limit.
- Identify your college or university, study program, and advisor if a graduate student.
- Submit the essay and your email/telephone/postal address contact information to: Clayton Rubec,

Treasurer, SWS Canada Chapter by email only: [clay.rubec@ec.gc.ca](mailto:clay.rubec@ec.gc.ca)

- Submission deadline is April 1, 2006.
- Announcement should be by April 20, 2006 of the awarded recipient, at the latest.
- Only one award is available.



## Membership Drive

The membership drive is off and running...

To enter the competition, ask your newly recruited member to write your name on their membership form in the appropriate space.

### Awards for Recruiting Members

- 1) 10 new members - free membership for 2007
- 2) 5 new members - free T-shirt

### Prizes List for Winners of Competition

- 1) Richard Chinn Environmental Training, Wetland Delineation and Management Training Course
- 2) Zeiss binoculars 8x30 BGA Classic C
- 3) GPS Garmin 60 series waterproof
- 4) Wetlands CD's
- 5) Munsell soil color chart
- 6) Silva Ranger compass with clinometer
- 7) Write in the Rain Notebooks
- 8) All Weather Pens

\* Top winners choose first from below prizes. To qualify, you must recruit a minimum of 10 members.

\*Winners will be announced at the annual meeting in Cairns.

# SWS Europe Chapter Report

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## Off and running

The European Chapter is off and running! It held its inaugural meeting at the University of Wales, Bangor, in January 2006. The meeting was attended by 85 wetland scientists drawn from 17 countries. The attendance figure was well in excess of initial aspirations and, judging by the feedback received, the meeting was considered to be a great success. Much of the credit must go to Professor Chris Freeman and his team at the University of Wales for organising the meeting in a very thorough and professional manner.

The scientific aims were explicit in the title of the meeting: Integrating our approaches to Wetland Science. The conference programme included a mixture of oral presentations, a 2-hour poster session, a half-day field visit and a plenary discussion session with breakout working groups. The scientific programme included keynote presentations from across Europe including:

- Wetland Conservation in Wales (Peter Jones);
- Constructed Wetlands in Europe (Jan Vymazal);
- Wetlands for water quality enhancement: opportunities and risks (Jos Verhoeven);
- Functional Assessment of Wetlands: Linking Science to Policy in Europe (Edward Maltby); and
- Recent advances in European palaeoecology (Jane Bunting).

The keynote presentations were followed by 20 brief presentations spread across the following general sessions:

- Palaeoecology;
- Constructed wetlands;
- Biogeochemistry; and
- Management.

The objective was to allow a broad cross section of wetland science to be presented as a mechanism to raise awareness of research activity, local issues and pan-European wetland conservation concerns.

A field trip was undertaken to the nearby minerotrophic / calcareous fen, Cors Goch, near Llanbeddroch, Anglesey, North Wales. The site is managed by the North Wales Wildlife Trust, and is a National Nature Reserve and Ramsar site. Over 50 delegates undertook the field visit.

A final day plenary session focussed on describing to the Mission of the Society and the Strategic Plan and trying to produce a 'spider map' of European wetland scientists and their associated organisations. It was recognised that less than 50% of the attendees were members of SWS, and of the members present the knowledge of the Mission and Strategic Plan was low. Rob McInnes, as President of the Chapter, led a plenary discussion session on the role of the European Chapter focussing on how science must be integrated and relevant to facilitate both the understanding of wetland ecosystems and their practical conservation. Breakout workshop groups looked at the existing networks, linkages, individuals, organisations and gaps which exist across the disparate community of European wetland scientists. The outcomes of this exercise will be worked up into a publication.

Following discussions with Wetlands, Wetlands Ecology & Management (WEM) and Springer, we have narrowed down our publication route to either WEM or monograph format. A final decision on the route to be

*Europe Chapter continued*

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taken will be based on the number and quality of manuscripts submitted. In the meantime, could we request that contributors produce any manuscripts that you wish to submit in the following WEM format: <http://springeronline.com/journal/11273>

**Newsletter**

A newsletter has been developed by Jane Bunting and is circulated to all European members electronically on a quarterly basis. The newsletter is intended to share information, act as a vehicle for getting to know each other, and act as a vehicle for getting to know about wetlands and wetland issues in different parts of Europe. Some of the suggestions for possible regular items for future newsletters include:

- Member's profiles – especially students;
- Recommendations on 'wetlands to visit' in a particular area;
- Master and Doctoral Thesis abstracts;
- Short summaries in accessible language of recent or significant research papers or policy changes;
- Notes about forthcoming conferences, books and other events; and
- Reports on wetland conferences and meetings.

Suggestions or examples from other Chapters would be welcome so that the European Chapter can benefit from previous initiatives elsewhere in the Society. As the basic organ for dissemination of information to the membership, the newsletter will assist the Chapter in delivering on all of strategic GOALS.

**Looking forward - 2nd Annual Meeting of the European Chapter**

It was decided that the 2nd Annual Meeting of the European Chapter would be hosted by Jan Vymazal in Trebon in the Czech Republic. A tentative date of May 2007 has been pencilled in. The intention is to set an approximate date for the annual meeting which becomes a fixture in the calendar for European wetland scientists. Late spring (April to May) was suggested as this ensured that any associated field visit would be meaningful across the majority of Europe and would not be dogged by problems of flooding or snow cover. It was considered that this period was also far enough ahead of the usual timing of the annual SWS conference to avoid possible conflict.

It has been an exciting few months for the European Chapter. At last it seems as if SWS Europe has come of age. However, we still need to attract more members and to grow in terms of numbers and activities. So how about everyone hassling a European colleague and get them to join. You know it makes sense!

Rob McInnes  
President  
SWS Europe Chapter



SWS European Chapter members on a field trip to Cors Goch

# International Chapter Report

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With the establishment of the European and Asian Chapters and the expansion of the Australian Chapter to form the Australasian Chapters, the SWS International Chapter in reality now only covers Africa and Latin America. This is not a satisfactory situation; large cultural differences exist between countries and tribes on both continents, but the gap between the continents themselves is even greater.

Latin America as a whole, from Mexico down to Tierra del Fuego, currently has enough members to form a Latin American Chapter. I strongly urge Latin American members to put their name forward to take the lead in forming such a Chapter.

African membership is steadily growing and I am confident that with the help of our very active member Elijah Ohimain (Nigeria) an African Chapter will be formed in the not too far future.

Why am I so keen on forming these chapters? Because (1) the establishment of 'international' chapters assists in achieving the Society's mission 'To promote understanding, conservation, scientifically based management, and sustainable use of wetlands' (smaller geographic areas are easier to manage, and easier to organize meetings in) and (2) once a chapter has been established it will grow, particularly upon organization of chapter meetings – a good example is the European Chapter.

I urge all existing members to help increase membership, particularly in the 'international' community. The new membership drive, with some excellent prizes to be won, should be enough reason to actively pursue potential SWS members. Gratis memberships are available to those who can not currently afford the SWS fees. A new fee structure, which effectively means that members from developing countries can become members at a very reduced rate, has just been accepted by the SWS Board for presentation to, and hopefully approval by, SWS membership in the next SWS meeting in Cairns, Australia. I have confidence that that proposal will be accepted.

With the new international chapters come new opportunities for meetings and exchange of ideas. Who knows, we might have an SWS meeting in Europe not too long after 'Cairns'. Wouldn't it be great if after that we would meet in Nigeria, or Brazil, or the Philippines, or...?

Marinus L. Otte  
SWS International Chapter



# North Central Chapter



The North Central Chapter is seeking nominations for one At-Large Board position that will have a term from July 2006 through June 2008. Beth Nixon, the chapter Nominations Committee Chair, will be accepting names via email (ehnixonusa@netscape.net) from now until April 1, 2006. All members in good standing are invited to submit nominees for this board election to be held May through June 2006. You may nominate yourself and/or others. The candidates for election and voting procedures will be advertised on the web site and via email on April 15, 2006. Electronic voting will run until June 15, 2006.

Are you interested in being the chapter Bylaws and Standing Rules Committee Chair? This position is responsible for identifying needed changes and shortcomings in the Bylaws and Standing Rules of the Chapter and reporting them to the President. Contact Kurt (kkowalski@usgs.gov) if you would like to be considered for the position.

I am pleased to announce that we have regional contacts for each of the ten states in our chapter. Thanks to Mark Snopek (Iowa), Ted LaGrange (Nebraska), David Mushet (North Dakota), and Jerry Gray (South Dakota) for volunteering their time and agreeing to represent our chapter. Mark is an Ecologist with the Iowa DOT (Mark.Snopek@dot.iowa.gov), and Ted is a Wetland Program Manager with the Nebraska Game and Parks Commission (ted.lagrange@ngpc.ne.gov). David Mushet (david\_mushet@usgs.gov) is a Wildlife Biologist for the USGS Northern Prairie Wildlife Research Center, and Jerry (heyoka@mchsi.com) is a private consultant in Minnesota, North Dakota, and South Dakota. Please get in touch with any of the regional contacts (<http://www.sws.org/regional/northcentral/Officers.htm>) if you are looking for wetland-related information about a certain area or have information to share with the chapter.

Jesse Kurylo and others have worked hard to produce a promotional brochure for our chapter. Copies of the two-fold brochure will be made available to anyone who can take them to meetings or otherwise make them available to potential members (e.g., students). Contact Kurt Kowalski (kkowalski@usgs.gov) to get preprinted copies or check the web site for slightly less fancy PDF versions. The versions on the web site now contain the 2006 dues structure.

The North Central Chapter continued its student sponsorship and support of the Wisconsin Wetlands Association Annual Wetland Science Forum (<http://www.wiscwetlands.org/2006forum.htm>), February 2-3, 2006. We want to acknowledge the accomplishments of five students who participated in the meeting. These students were presenters or significant contributors to papers presented at the meeting and received financial assistance from NCC to help cover their meeting costs. The chapter thanks them for their efforts and encourages them to continue their scholarship in the wetland sciences.

Meghann E. Jarchow, Minnesota State University - Mankato

Title: Invasiveness of *Typha angustifolia* due to possession of a novel weapon

Co-Author: Bradley J. Cook, Minnesota State University – Mankato

Christopher S. Lowry, University of Wisconsin-Madison

Title: Delineation of peat using ground penetrating radar, Vilas County, Wisconsin

Co-Authors: Mary P. Anderson, University of Wisconsin-Madison and Randy Hunt, U. S. Geological Survey, Middleton Office

Monika J. Freyman, Loyola University Chicago

Title: The effect of litter accumulation of the invasive cattail *Typha x glauca* on a Great Lakes coastal marsh

Co-Authors: Kathi Jo Jankowski and Nancy C. Tuchman, Loyola University Chicago

Rachel Hart, Nelson Institute for Environmental Studies, University of Wisconsin

Title: Analysis of Wisconsin Department of Transportation wetland impacts and mitigation policy

North Central *continued*

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Natalie White, University of Minnesota Duluth

Title: Flowering effort and seed production in native and alien subspecies of *Phragmites australis* in Northwest Wisconsin and Northeast Minnesota

The chapter is planning a joint SWS North Central Chapter and American Society of Photogrammetry and Remote Sensing (ASPRS) Eastern Great Lakes and Western Great Lakes Regions workshop to be held at the Association of State Wetland Managers (ASWM) Annual Meeting planned for August 28-31, 2006 in Traverse City, MI. The workshop will include both hands-on interpretation of aerial photographs and satellite-based remote sensing data as well as a field trip to a large cedar swamp. The field trip will give workshop participants an opportunity to see and learn about the site they analyzed during the interpretation portion of the workshop. The Nature Conservancy has agreed to join the field trip to describe their work in the swamp and surrounding areas. The chapter also is working with ASPRS to cohost a half-day remote sensing and GIS mapping symposium during the ASWM meeting. Speakers will be invited to discuss various aspects of remote sensing and GIS and their application to wetland science and management.

SWS is kicking off a membership drive that we need to put some effort into. This is a great opportunity for our chapter and the society as a whole to both increase in numbers and reach out to other members of the wetland science and management community. There are rewards for those who recruit five or more members, but every new person you sign up strengthens SWS. Look for details about the drive elsewhere in this Bulletin and on the web site. Please contact me if you have questions ([kkowalski@usgs.gov](mailto:kkowalski@usgs.gov)).

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.

-Kurt Kowalski, North Central Chapter President

# Pacific Northwest Chapter Report

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Unusually wet weather continues in the Pacific Northwest. However, we remain undeterred from our mission. Puget Sound Orca has been added to the list of threatened or endangered species in the region, which may renew and invigorate efforts to restore and protect Puget Sound where some of these animals reside at least seasonally.

**Chapter Meeting:** The Chapter's Planning Committee is reviewing abstracts for our annual chapter meeting scheduled for May 2-4, 2006. Final planning phases are ongoing with the local chapter of the Society for Ecological Restoration (SER) for our joint meeting and conference. More than 80 abstracts have been received to date not including those submitted by SER. In addition to focusing on wetland restoration in the Columbia River area, the theme of our conference, SER has lined up speakers from the University of Washington Climate Change Group to enlighten us on their modeling efforts and expectations on future climate scenarios provided existing greenhouse gas emissions and projections. The Student Scholarship and Research Committee has sponsored four students to attend the meeting. More information on the meeting is available on the meeting website at <http://pnw.sws.org/06meeting/>. Between 200 and 300 participants are expected at the meeting.

**Proposed Bylaw Revisions:** The board has drafted up some changes to the chapter bylaws that extend the terms of officers/board members to two years. This proposed change will be voted upon by chapter members at the annual meeting in May.

**Student Scholarship and Awards Committee:** The committee continues to promote wetland science and mentoring by awarding students scholarships and travel stipends to the annual meeting. In addition to sponsoring student to the annual meeting, we are exploring a mentoring program for students. A proposal is expected to be presented to the board at the next board meeting the day before the Chapter's annual meeting.

**Ethics Committee:** This recently established committee is working to develop ethical standards and promote consistently high quality work by chapter members. Chapter members are communicating with ongoing efforts of the SWSPCP to avoid duplication and looking at a number of potential mechanisms to achieve consistently high quality wetlands science by our members. Establishing state-level certification programs or licensing boards or a code of ethics are among the options being considered. A two-part meeting is scheduled in March to review a draft code of ethics and meet with state and local government regulators to discuss their perceptions and concerns please see the latest edition of the Ooze News available online at <http://pnw.sws.org/Newsletters/pnwnewsletter.html> for more details.

**Membership:** Compared to summer 2004, there are 100 new chapter members. The Board anticipates evaluating changes in membership associated with the changes in dues by tracking changes in membership once an updated list has been obtained.

**Other Board Activities:** We have wrestled again with the frequency of annual meetings and are contemplating to lengthen the period of time between chapter meetings to perhaps as long as 18 months. To stimulate members and continue mentoring, we are entertaining offering short courses and workshops to bridge the gap between our annual meetings. Initial ideas being considered were to have up to 3 short courses a year and spread these out to enable members from different states to have an opportunity to attend. Content and costs of these courses are yet to be determined.

Ralph J. Garono, President;  
Scott Luchessa, Executive Vice President

# South Central Chapter Report

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As all of you know the recent hurricanes have devastated parts of our Chapter. Not only have wetland ecosystems been severely damaged, but also many SWS members have been directly impacted. The South Central Chapter, under the leadership of President Elect Dr. Andy Nyman, is developing ways for the Chapter to play a role in the rebuilding and restoration process. To date we have developed a “Statement of Purpose” for maximizing science in the rebuilding of coastal Louisiana and Mississippi in the aftermath of Hurricanes Rita and Katrina. The statement, as follows, is also posted it on the Chapter website.

We are eager to maximize the role of science in decisions made about rebuilding New Orleans, and the entire Gulf Coast, following hurricanes Katrina and Rita. The enormous expense of modifying and rebuilding our coast requires that all tools used to protect our living areas and industrial facilities from storm surge are feasible and cost-effective to implement and maintain. We believe that

-self-sustaining wetlands can play a significant, cost-effective role in flood control systems. Natural and artificial wetlands should be managed to maximize their effect on storm surge reduction. Flood control systems should promote self-sustaining wetlands to reduce maintenance costs.

-flood control systems should be constructed, operated, and maintained in ways that minimize negative effects of levees and other water control structures on wetlands that support commercial and recreational fishing and hunting, which contribute to the unique and vibrant economic and social systems on the Gulf Coast.

-planning flood control systems will be most efficient and least contentious if wetland functions are integrated into flood control systems at the beginning of the planning process.

The South Central Chapter was recently invited to participate in a fact-finding delegation coordinated by Louisiana Senator Mary Landrieu. The delegation traveled to the Netherlands to learn more about their flood control techniques with the hopes of transferring their engineering designs to southern Louisiana. The delegation was composed of mainly government officials and elected representatives. Dr. Jenneke M. Visser, a professor at Louisiana State University – Coastal Ecology Institute, participated on behalf of the Chapter. Another Chapter member, Mark Ford participated in the delegation representing the Coalition to Restore Coastal Louisiana. It appears that Dr. Visser and Dr. Ford were the only ones in the delegation with a background in wetland science and/or conservation. Below is a short summary provided by Dr. Visser.

*Louisiana Delegation Visits The Netherlands to Study Flood Protection.*

By Jenneke M. Visser

The South Central chapter of the Society of Wetland Scientists nominated me to represent the Society on the Louisiana delegation visiting the Netherlands. The Louisiana delegation was invited by the Dutch Ambassador Boudewijn Johannes van Eenennaam to observe first-hand the operations and planning of their world-class flood protection system. The delegation consisted of federal, state, and local elected officials, as well as business leaders, scientists, and non-governmental organizations (Table 1). The delegation visited the Netherlands for three days in early January 2006. Here I provide a brief summary of what I found to be the pertinent lessons from this trip with respect to flood protection in The Netherlands and how this affects flood protection and wetlands in coastal Louisiana.

South Central Report *continued*

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The Dutch illustrate that an economy can be built on land below sea-level. But they caution that one has to be ever vigilant about maintenance as well as research and development of new flood protection techniques. As land subsides and water levels rise, the struggle to protect investments will get increasingly difficult. At the same time, naturally flooded coastal marshes can maintain their elevation relative to sea-level.

Dutch scientists are advocating a new strategy that is less about fighting the water and more about finding ways to live with the water. They are bringing some of these strategies into reality with their river flood protection. River planning includes the allocation of more space to the riverbed and restoring the wetlands that absorb excess water during floods. Coastal protection planning includes creation of marshes in front of levees to protect the levee footing and reduce levee maintenance costs (see <http://www.comcoast.org>). I hope that Louisiana will follow this approach of living with nature in its efforts to provide safe and productive communities to its residents. For example, the design of flood protection structures for inhabited areas should allow for natural flooding to be maintained in wetland areas.

Although there are many similarities between the Dutch coast and the Louisiana coast, there are also many differences. The most obvious is the fact that Louisiana even with all the losses that have occurred still has an extensive natural coastal wetland system. In contrast, almost all of Dutch soil is cultivated. The Louisiana coastal wetlands can remain with proper management and provide the renewable resources on which so much of its culture and part of its economy is based.

During the delegations' visit, the focus was primarily on flood protection for cultivated areas. Very little attention was given to the role that coastal wetlands may have in flood protection in Louisiana. However, Senator Landrieu mentioned the necessity to integrate coastal restoration with flood protection. Understandably, most of the delegation was preoccupied with finding engineering solutions that quickly provide safety to people living in areas that need protection from storm surge conditions. Wetland scientists can help identify solutions that protect people and maintain functioning wetlands at the same time. The Louisiana Recovery Authority (LRA) is developing both short and long term plans for Louisiana. No wetlands expert is part of the LRA board of directors, even though a sub committee on levees and coastal restoration exists. SWS should consider approaching Governor Blanco about adding a coastal wetlands expert to the LRA.

Look for SWS sponsored workshops in Texas in the spring. We are still looking for someone to help set one up in other parts of the Chapter. Please Contact Mike Souliere: [msouliere@swca.com](mailto:msouliere@swca.com) if you have an idea and would like to develop or lead a workshop.

If you would like nominate someone or are interested in serving as a Board Member for the South Central Chapter, please contact Scott Jecker ([swjecker@whitentongroup.com](mailto:swjecker@whitentongroup.com)) as soon as possible. The deadline for nominations is April 14th. We are looking to fill Board positions for President-elect, Secretary/Treasurer, and two Board Members.

Responsibilities of the Board positions can be found in our Chapter By-Laws on our website at [http://www.sws.org/regional/southcentral/ch\\_business.htm](http://www.sws.org/regional/southcentral/ch_business.htm). The Chapter is also looking for points of contacts for individual state, especially Alabama and Kentucky.

It appears that the next Chapter meeting is confirmed for Vicksburg, Mississippi and will be hosted by the US Army Corps of Engineers - Engineering Research and Development Center. I anticipate the dates to be sometime in mid November, 2006.

South Central Report *continued*

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Please get involved with the South Central Chapter if you can and don't hesitate to contact me if you have any questions, concerns or suggestions. Don't forget to check in with the website for updates on the Chapter: <http://www.sws.org/regional/southcentral/>

Keep your feet in the mud!

Jeff Raasch  
South Central Chapter President  
Society of Wetland Scientists  
Statewide Wetland Habitat Program Leader  
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(512) 389-4328  
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[jeff.raasch@tpwd.state.tx.us](mailto:jeff.raasch@tpwd.state.tx.us)

## Report on the International Symposium on Wetland Restoration 2006

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Submitted by Bill Mitsch

The Organizing Committee of the Symposium on Wetland Restoration 2006

The International Symposium on Wetland Restoration 2006 was held at Otsu, Shiga Prefecture in Japan, on January 28 and 29. Approximately 800 participants from around the world, including citizens, experts, NGO members, governmental officials, etc., participated in the three-day event including the related programs, such as the Technical Seminar on Wetland Restoration and the Field Trip to Hyazaki –naiko restoration experiment site. Over 100 presentations--oral and poster--were made and heated discussions followed them. At the end of the Symposium the participants adopted “Lake Biwa Declaration on Wetland Restoration.”

Background towards the symposium

Shiga Prefectural Government, which is in charge of managing Lake Biwa, held one of the largest meetings on wetlands of the world. Lake Biwa is the largest fresh water lake in Japan and the most important water resource of the country, which supplies water for 14 million people of Kansai district; the second largest economic zone consisted of cities of Osaka, Kobe and Kyoto. The lake is also unique in that it is one of the oldest lakes in the world and has nurtured the distinctive ecosystem with many indigenous flora and fauna. The major challenge facing the lake that has recovered from critical condition caused by eutrophication (by constructing the highly advanced sewage treatment system) is to restore a sound ecosystem by rehabilitation and restora-

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*International Symposium continued*

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tion of natural shoreline and wetlands surrounding the lake. More than 80% of wetlands around the lake were lost during the last century.

Lake Biwa is the largest Ramsar site in Japan and the managing authority, Shiga Prefectural Government, is expected take a leading role for conservation and wise use of wetlands in Japan. Moreover conservation and restoration of wetlands are on the move in Asia not only in Japan but also in India, China, Korea, etc. Promoting and encouraging wetland restoration in Asia region is expected through sharing the information and experiences.

#### Overview of the symposium

The symposium was composed of two plenary sessions, four working sessions and a children's meeting. At the opening of the first plenary session on Jan. 28, the governor of Shiga and representatives of three ministries of Japan; Ministry of Agriculture Forestry and Fisheries, Ministry of Land Infrastructure and Transport and Ministry of the Environment, made remarks on their policy and implementations on wetlands.

Following the remarks, three keynote presentations and six presentations were given by eminent specialists and representatives of NGOs on various aspects of wetland restoration. Among them Prof. Mitsch of Ohio State University USA lectured on "Restoration of the world's wetlands" referring to the fundamental idea of wetland creation and restoration. Ms. Nakamura of Ramsar Center Japan made a presentation on "Wetland Conservation in Asia and Activities of Ramsar Center Japan" citing the examples such as Chilika lagoon restoration project in India that they are supporting. Dr. Lei of Ramsar Convention Bureau made a presentation on "Ramsar principles and Guidelines for Wetland Restoration", Prof. Kim of Seoul National University Korea introduced the technical aspects of wetland restoration in Korea and Dr. Ramakrishna of Wetlands International Malaysia reported on "Rehabilitation of Coastal Wetlands after Tsunami – The Malaysian Experience".

The second day started with four working sessions in them twenty-four researchers, NGO members, governmental officials, etc. made presentations on their research, activities and projects. The four working sessions were composed under the four themes;

Session 1: Wetland restoration for biodiversity

Session 2: Wetland restoration on diverse and multilayered aspects of wetlands

Session 3: Conflict resolution for wetland restoration

Session 4: Planning and technical background for wetland restoration

The last plenary was divided into two parts. The former consisted of reports from the chair of each working session for sharing the information and the discussion based on the reports. The latter part was assigned to the discussion for drafting the declaration based on the first draft disseminated to all the participants on the first day. The major discussions were focused on restoring wetlands through wise use, participation and sustaining the livelihood of local communities, following the progress and success of restoration and creation of wetlands. The declaration was adopted unanimously by the participants.

#### The expected goal of the symposium

The goal of the symposium was to promote the implementation of wetland restoration and creation throughout the world based upon the recognition of the importance of wetland restoration in addressing the serious situation of wetland disappearance around the world.

*International Symposium continued*

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## Outcome

- It was recognized that wetlands are among the most valuable and productive ecosystems on earth.
- It was recognized that it is strongly recommended that conservation and wise use be broadened and accelerated to include wetland restoration and creation because by the latter half of the last century more than half of the world's wetlands had disappeared after being drained and filled for agriculture and urban development.
- It was recognized that activities and research of wetlands for exploring the multiple functions, values, and uses of wetlands should be promoted.

“Lake Biwa Declaration on Wetland Restoration” was adopted at the historic large symposium with the participation of 800 people from 15 countries.

## Lake Biwa Declaration on Wetland Restoration

## International Symposium on Wetland Restoration 2006

Otsu, Shiga, Japan, 28 - 29 January 2006

We, the 800 participants from 15 countries participating in the International Symposium on Wetland Restoration 2006, declare the following:

Wetlands are among the most valuable and productive ecosystems on earth. They are rich in biodiversity, sustain wildlife, supply natural products to us including fishery products, improve water quality, mitigate natural disasters, control floods, provide opportunities for recreation, and ease our bodies and minds. However, until the latter half of the last century wetlands were considered useless and were drained and filled for agriculture and urban development. More than half of the world's wetlands are estimated to have disappeared.

Thirty-five years have passed since the Ramsar Convention was inaugurated for the conservation of wetlands. Wetlands continue to be lost on a global scale, as revealed by the Millennium Ecosystem Assessment. The Convention was developed as a comprehensive framework for the wise use of wetlands, recognizing their many functions and values. It is strongly recommended that conservation and wise use be broadened and accelerated to include wetland restoration and creation. This should be addressed based on the idea of “adapting human activities within the capacity limits of nature” advocated in “Agenda 21.”

Restoration of lost or degraded wetlands must especially be encouraged hereafter, in addition to conservation of existing wetlands. Moreover, responding to the global advancement of urbanization, wetlands are recommended to be incorporated because of their multi-functionality. Wetlands are symbols of the harmonious coexistence between humans and nature. Restoring wetlands is expected to take the lead in building a sound relationship between humans and nature in the future.

Exploration of the functions of wetlands will be advanced through wise use and research of wetlands. Consequently awareness of wetland restoration by all the stakeholders, from citizen to decision-makers, should be encouraged; this will lead to strong links among wise use, conservation, and restoration of wetlands. These actions will contribute to accomplishment of the UN Millennium Development Goals related to poverty reduction, human health and environmental sustainability and biodiversity conservation.

Recognizing the importance of the wetland management mentioned above, we should work together as follows:

*International Symposium continued*

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- Promote activities and research of wetlands for exploring the multiple functions, values and uses of wetlands;
- Promote education and information sharing for advancing public awareness of the importance of wetlands;
- Enhance partnerships among wetland restoration and creation activities around the world;
- Promote and facilitate capacity building and empowerment of stakeholders involved in the restoration of wetlands;
- Promote wise use of wetlands from the standpoint of developing subsistence and industries such as agriculture, fisheries, and tourism;
- Evaluate and cherish the culture and spiritual wealth, comfort and recreation which wetlands provide;
- Develop the technology and improve legal and financial systems in order to enhance wetland restoration and creation;
- Incorporate wetlands as key components for the sustainable development throughout the world by evaluating the multi-functionality of wetlands.
- Make an effort to follow the progress and success of the implementation of wetland restoration throughout the world.

**Participants**

Eight hundred from 15 countries including Japan

Name of countries of participants: China, Bangladesh, Korea, Uganda, India, Malaysia, Kenya, Brazil, Guatemala, Syria, Ghana, USA, Switzerland, Germany, Japan

**Languages**

English and Japanese

Website: <http://www.pref.shiga.jp/d/biwako/>

# Student Bloopers

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Editor's Note:

Last year, Lee Foote shared some of his best student bloopers for the years. Here's this year's crop (and I'm sure I made someone's list oh so many years ago).

Family values emerged as the subsistence users prepared the feist.

Sex dynamics and fertilization rates must be known to manage a wild dear population.

People enjoy seeing deer wandering through their back yards before getting in their car and going to work in a high-rise building.

Leghold traps on the other hand cause excessive suffering.

The scientists of the AZA [American Zoo Association] believe their breeding program to be a hedge against extinction.

[How does one enroll in such a program? – Editor]

The deer was  $\frac{1}{2}$  injured.

Native people perceive nature as a hole.

Seal hunters relieve their experiences on the ice.

Wildlife corridors are theologically a sound idea.

In 1977 a Canmore woman was attacked by a grizzly bear.

Size is the greatest factor in electrocution risks; for example, the California condom can span a gap of 2.5 m.

[Do the scientists at the AZA know about this? – Editor]

# Check your Membership Listing on the SWS Website

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Please check your membership information on the SWS website.

SEE: [www.sws.org](http://www.sws.org)

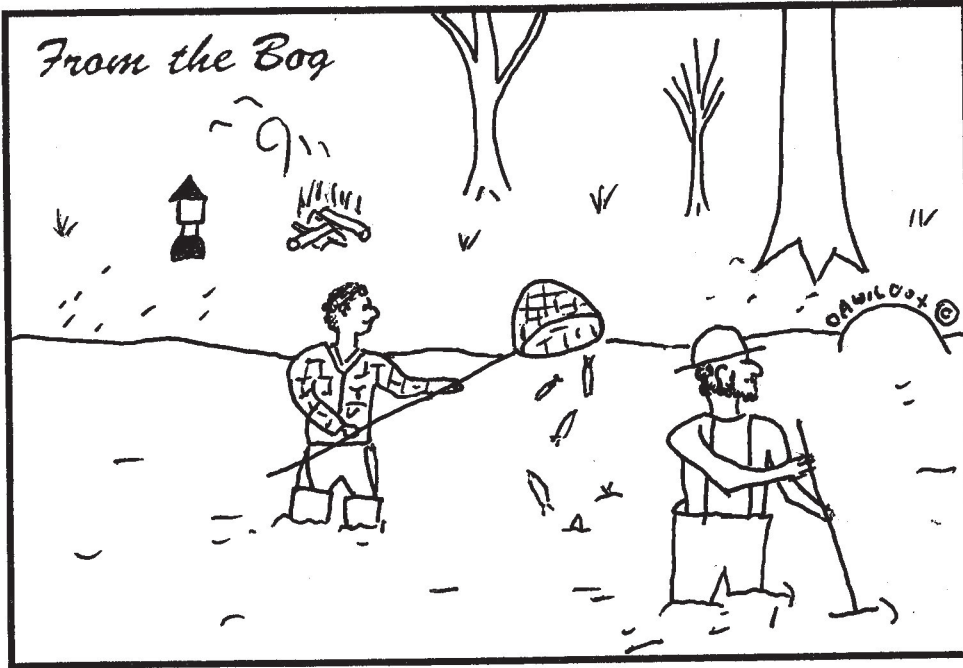
On the website, enter your name and ID number in the boxes on the upper left side of the web page. Your ID number is included on the inside wrapper of your copy of Wetlands. You can also send an email to request your ID number.

Search for SWS colleagues	
Update your address and email address	
ID Number : <a href="#">(required)</a>	<input type="text"/>
Last Name : <a href="#">(required)</a>	<input type="text"/>
Oct. 2005 data	<input type="button" value="Login"/>
Problems? Contact <a href="#">Richard Chinn, PWS</a>	
<a href="#">Forgotten your ID?</a>	

Please report any problems to Beth Middleton and the SWS Business Office: [beth\\_middleton@usgs.gov](mailto:beth_middleton@usgs.gov), [SWS@BurkInc.com](mailto:SWS@BurkInc.com)

Your membership information is vital to our communication with you. As secretary-general, I understand that your membership information is critical to your well-being as a member and your overall satisfaction with SWS as an organization!

Dr. Beth Middleton, Secretary-General



Futility: catch and release smelt dippers.



# Society of Wetland Scientists 2006 Membership Application

1313 Dolley Madison Blvd, Suite 402, McLean, VA 22101  
703-790-1745; Fax: 703-790-2672, Web Site: www.sws.org/Email: SWS@BurkInc.com

Name: (First) \_\_\_\_\_ (Last) \_\_\_\_\_

Institution: \_\_\_\_\_ Dept: \_\_\_\_\_

Address (for confirmation): \_\_\_\_\_

City: \_\_\_\_\_ State/Country: \_\_\_\_\_ Zip/Postal Code: \_\_\_\_\_

Business Phone: \_\_\_\_\_ FAX: \_\_\_\_\_

Email: \_\_\_\_\_ Home Phone: \_\_\_\_\_

Referring Member: \_\_\_\_\_

## MEMBERSHIP OPTIONS - ANNUAL DUES (JANUARY 1 - DECEMBER 31, 2006)

Please check the appropriate category below.

- Active Membership \$100
- Student Membership \$35
- Family Membership \$125
- Lifetime Membership \$1000

- Lifetime Membership (4 Annual Payments) \$250
- Library Membership \$200
- Institutional/Corporate Membership \$500
- Active Membership *No Journal* \$85
- Student Membership *No Journal* \$25
- Family Membership *No Journal* \$95

## CHAPTER DUES *ONE CHAPTER IS COMPLIMENTARY WITH YOUR MEMBERSHIP; each additional chapter is \$4.00*

- Alaska \$4.00
- Australia \$4.00
- Canada \$4.00
- Central (MO, KS) \$4.00
- Colombia \$4.00
- European \$4.00
- International \$4.00
- Mid Atlantic (DE, MD, NJ, NY, PA, DC) \$4.00
- New England (ME, NH, VT, CT, MA, RI) \$4.00
- North Central (IL, IN, IA, MI, MN, NE, ND, OH, SD, WI) \$4.00
- Pacific Northwest (ID, OR, WA) \$4.00
- Rocky Mountain (CO, MT, UT, WY, NM) \$4.00
- South Atlantic (FL, GA, NC, SC, VA, WV, PR, VI) \$4.00
- South Central (AL, AR, KY, LA, MS, OK, TN, TX) \$4.00
- Western (AZ, CA, HI, NV, Pacific Trust Territories) \$4.00

## ENDOWMENT AND AWARD FUND CONTRIBUTIONS *See descriptions of contributions on next page*

- |                                                               |         |                                                               |         |
|---------------------------------------------------------------|---------|---------------------------------------------------------------|---------|
| <input type="checkbox"/> Hudson Seymour-Allen Endowment Fund  | \$_____ | <input type="checkbox"/> SWS International Travel Award Fund  | \$_____ |
| <input type="checkbox"/> Presidential Founders Endowment Fund | \$_____ | <input type="checkbox"/> SWS Lifetime Achievement Award       | \$_____ |
| <input type="checkbox"/> SWS Service Award Fund               | \$_____ | <input type="checkbox"/> Best Student Paper and Poster Awards | \$_____ |
| <input type="checkbox"/> SWS International Fellow Award Fund  | \$_____ | <input type="checkbox"/> Student Scholarship Fund             | \$_____ |

## PAYMENT OPTIONS *TOTAL PAYMENT \$\_\_\_\_\_ Membership dues, Chapter dues & contributions*

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, and Visa will also be accepted.

### EXPERIENCE: (You may choose a maximum of 5)

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

### 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: \_\_\_\_\_:



## Society of Wetland Scientists

703-790-1745; Fax: 703-790-2672, Web Site: [www.sws.org](http://www.sws.org)/Email: [SWS@BurkInc.com](mailto: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*. SWS Bulletin (available 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. The fair market value of goods and services provided to members is:

Active Membership \$100	Lifetime Membership \$1000	Institutional/Corporate Membership \$500
Student Membership \$35	Lifetime Membership	Active Member <i>No Journal</i> \$85
Family Membership \$125	(4 Annual Payments) \$250	Student Member <i>No Journal</i> \$25
	Library Membership \$200	Family Membership <i>No Journal</i> \$95

### SWS ENDOWMENT PROGRAM

SWS Endowment funds help to maintain SWS activities and to support and reward graduate students conducting research in wetland related disciplines. All donations are Tax Deductible.

#### HUDSON SEYMOUR-ALLEN 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-Allen, who shared their lives together along one of America's largest wetland resources, the Mississippi River.

#### PRESIDENTIAL FOUNDERS ENDOWMENT FUND

This endowment was established in 1987 to enhance Board-approved SWS activities in the field of wetland science and management. These funds are typically used to support the annual meeting, support key speakers, and cover some SWS operating expenses.

### 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.

#### 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.

***PLEASE CONSIDER A DONATION TO THE SWS ENDOWMENT FUNDS! THEY ARE IMPORTANT SOCIETY ACTIVITIES THAT CAN GROW ONLY THROUGH YOUR SUPPORT!***