



AQUATIC PLANT NEWS

A Newsletter of The Aquatic Plant Management Society, Inc., Issue No. 80, October 2005
Linda Nelson, Newsletter Editor, P.O. Box 821265, Vicksburg, MS 39182-1265

A Message from the President, Jeff Schardt

Before getting into the business of the Aquatic Plant Management Society, I ask that all APMS members contemplate the plight of friends, colleagues, and others in the northern Gulf of Mexico states and consider assisting in some way in their recovery. At the time of this writing, I know that the good people of the Scott Aquarium in Biloxi, Mississippi, that worked with the APMS to house and distribute the Understanding Invasive Aquatic Weeds educational booklets suffered a complete loss of their facility. The Dauphin Island Sea Lab in Alabama, from which APMS co-edited articles on invasive aquatic plants and animals for the summer 2005 issue of the *Journal Current*, was inundated by hurricane winds and surge for the third time in less than a year. The Midsouth APMS Conference scheduled for October 11-13 in Biloxi was relocated to Tunica in northwest Mississippi. With such broad destruction, there are likely many other impacts even within the relatively small community of aquatic plant managers, so please become involved and help in any way that you can.

I also ask that you become more involved as APMS proceeds with its introspection and maintenance initiative. The APMS Board of Directors met in January 2005 in Atlanta for a strategic planning session to identify the Society's strengths and weaknesses, the extent to which we are living up to the current mission, and to establish short and long-term goals to fulfill the mission. The APMS has undergone periodic reviews and revisions to meet managers' needs; from expanding the initial Charter as a forum to discuss water hyacinth control in Florida and other southeastern states, to

representing all areas of the U.S. and sponsoring international symposia on a variety of plant management and research topics. Just as the name has expanded from the Hyacinth Control Society to encompass members' activities with all aquatic plants, the APMS Mission Statement and Goals seem to require similar revision to reflect APMS's broad interests that include habitat enhancement and environmental stewardship in addition to training aquatic plant managers and providing public awareness.

The APMS and Regional Chapters organized to inform and train managers how best to control rampant growth of nuisance and invasive aquatic plants, with the ultimate goal of preserving or enhancing the environment.

Achieving, and sometimes even approaching, this goal has not been easy in a culture that was being taught at the same time that all plants are good and the more the better. Invasive aquatic plant management has been conducted routinely in the southeastern states for more than a century. However, even a decade ago, the concepts of early detection and rapid response to eradicate a pioneer invasive plant infestation, or routine maintenance to suppress an established invasive plant population were foreign to, and opposed by, many non-managers whose focus was often on potential impacts from the method of control rather than environmental harm posed by the invasive species. Then a few well publicized invasive species-related problems like zebra mussels in the Great Lakes gained national interest.

Continued on next page

President's Address Continued

A few persistent scientists and managers succeeded in converting this interest into Presidential Executive Order 13112 in 1999 and the development of the National Invasive Species Management Plan in 2001.

Today there is unprecedented and growing awareness of invasive species and their harmful impacts. The timing has never been better for APMS members to make a difference in shaping the future of aquatic plant management. Already APMS members are working with industry and the USEPA to expedite the review of new herbicide compounds and register new uses of existing compounds. Other members are active with organizations like USFWS and BASS to increase agency and public understanding of the needs and benefits of invasive plant management in protecting and enhancing fish and wildlife habitat, especially endangered species. In Florida, APMS members are working with science teachers who, after becoming more aware of the concept of invasive species, are asking for instructional materials that meet classroom standards and benchmarks to pass on to tens of thousands of students in all grades. These students represent the next generation of stakeholders who, even if they do not become aquatic plant researchers or managers, certainly will become stakeholders who express opinions that shape the direction of aquatic plant control.

During strategic planning, APMS Board members identified action items that coincide with the duties of nearly all of the standing APMS Committees. The Strategic Planning Committee is currently summarizing each of these items and the Board will establish a list of short- and long-term projects. There are many opportunities to guide the future of aquatic plant management. The APMS Board is sincerely interested in assisting in regional projects, especially those that have national repercussions as well. Recent examples include the special program sessions at the APMS Conferences; on hydrilla and herbicide resistance in Tampa, and on harmful and toxic algae and cyanobacteria in San Antonio. Other examples are partial funding for two Chapter initiatives; aquatic plant field guides in conjunction with the FAPMS, and an early detection-rapid response project with WAPMS. I ask that you become more involved either with national strategies through APMS Committees or by

solving local challenges through the Regional Chapters. If your career is in environmental management, or if you are concerned about conserving your environment through invasive aquatic plant management, there is no better time than now to act.

46th Annual Meeting Portland, Oregon



Mark your calendar, July 16-19, 2006 for the 46th Annual Meeting of the Aquatic Plant Management Society. The Portland Marriott Downtown Waterfront Hotel in Portland, Oregon will be the site for our annual meeting. Located on the bank of the Willamette River, with Mt. Hood as a backdrop, the Marriott offers spectacular views and easy access to a variety of downtown restaurants, shops, and brewpubs.

The Program Committee promises a diverse and interesting program with excellent oral and poster presentations on aquatic plant management products and professional services will be provided in the exhibits room throughout the meeting. The Meeting Planning Committee is planning exciting and entertaining events for relaxing and visiting with friends and colleagues.

This will be an extraordinary meeting! So mark your calendar to attend the meeting and get a look at Portland's natural beauty and active local scene. More meeting information will be coming soon to the APMS website at www.apms.org and future newsletters.

**Think March Newsletter
Deadline for Submissions
February 17, 2006**

Send newsletter materials to
Linda Nelson, Newsletter Editor
Email: Linda.S.Nelson@erdc.usace.army.mil

**Thanks to our Commercial
Sustaining Members for Their
Valuable Support to the APMS**

Applied Aquatic Management, Inc.
Eagle Lake, Florida

Applied Biochemists
Germantown, Wisconsin

Aquarius Systems
North Prairie, Wisconsin

Aquatic Control
Seymour, Indiana

Becker Underwood, Inc.
Ames, Iowa

BioSafe Systems, LLC
Glastonbury, Connecticut

Biosonics, Inc.
Seattle, Washington

Brewer International
Vero Beach, Florida

Cerexagri, Inc.
King of Prussia, Pennsylvania

Cygnat Enterprises, Inc.
Flint, Michigan

Jenson Technologies
San Marcos, Texas

Peroxygen Solutions
Jamestown, North Carolina

Retention Pond Services, Inc.
Castle Hayne, North Carolina

SePRO Corporation
Carmel, Indiana

Syngenta Professional Products
Greensboro, North Carolina

EPA Update: 2,4-D and Endothall REDs Approved

by Kurt Getsinger

Recently, two aquatic herbicides, 2,4-D (Aug 05) and endothall (Oct 05), received approval from the U.S. Environmental Protection Agency (EPA) for their re-registration eligibility decision (RED) documents. The RED is the last major step prior to receiving the final label for Section 3 (national) use of a re-registered pesticide. The aquatic herbicide diquat was re-registered several years ago, and copper products will be undergoing the RED process in the near future.

Although endothall and 2,4-D represent "old chemistry," both still play key roles in managing invasive aquatic plants in a variety of water bodies. Their re-registration will allow operational personnel to continue to include them in the mix of management strategies. While there will be some revisions on the new labels, these changes should clarify use directions and restrictions, allowing the products to be used in a wide range of situations while minimizing potential risk to the environment and human health. It is worth noting that while these products are over 40 and 50 years old, they cleared the highest level of scientific review utilizing results from state-of-the-art technical evaluations and analytical techniques - verifying that these herbicides have performed well with respect to protection of environmental and human health issues.

A number of APMS member scientists, state regulators and aquatic plant managers contributed to the EPA re-registration review process. Their input was provided through written statements for public record, and special briefings and conference calls coordinated by EPA and the registrants. This collaboration among regulatory, agency and academic experts ensured that the highest level of scientific information and real-world experience was used to develop the final labels. Details concerning the new labels will be provided by the respective registrants at upcoming APMS regional chapter meetings.

Special Thanks to our 45th Annual Meeting Sponsors

Applied Aquatic Management, Inc.
Applied Biochemists
Aquarius Systems
AquaServices, Inc.
Aquatic Control, Inc.
Aquatic Ecosystem Restoration Foundation
BASF Corporation
BioSafe Systems
Brewer International
Cerexagri, Inc.
FMC Corporation
Peroxygen Solutions
Phelps Dodge
SePRO Corporation
Syngenta Professional Products
Texas APMS
UAP Timberland, LLC
U.S. Army Engineer R&D Center

Exhibitors at the 45th Annual Meeting

Applied Biochemists
Aquarius Systems
Aquatic Control, Inc.
BASF Corporation
Becker Underwood
BioSafe Systems, LLC
BioSorb, Inc.
Brewer International
Cerexagri, Inc.
Cygnet Enterprises, Inc.
Diversified Waterscapes
Helena Chemical Company
Jenson Technologies
NuFarm Turf & Specialty
Parkway Research
Peroxygen Solutions
SePRO Corporation
Syngenta Professional Products
UAP Timberland, LLC
Vertex Water Features

Scholastic Endowment Sponsors

Thanks to the following sponsors for contributing prizes for the silent auction and raffle events at the San Antonio meeting

Allied Biological
Applied Aquatic Management, Inc.
Applied Biochemists
Aquatic Control, Inc.
Aquatic Vegetation Control
BASF Corporation
BioSafe Systems, LLC
BioSonics, Inc.
Brewer International
Cerexagri, Inc.
Clean Lakes, Inc.
Cygnet Enterprises, Inc.
Diversified Waterscapes
Duke Power
FMC Corporation
Monterey Ag Resources
Professional Lake Management
SePRO Corporation
Syngenta Professional Products
UAP Timberland, LLC

Congratulations to

Vertex Water Features

**Winner of the
2005 APMS Exhibitor's Award
San Antonio, Texas**

JAPM Available Online

At the request of the APMS Board of Directors, old issues of the Journal of Aquatic Plant Management were recently scanned and are now available on the APMS website. Volumes 1 through 41 (1962 through 2003) are available as full text articles in pdf format. Go to www.apms.org and click on "Publications." Articles are accessible via Tables of Contents or using the search function.

The APMS will maintain a two-year lag between the current publication and online availability. We encourage members to use this valuable resource as well as to encourage our professional colleagues to visit the APMS website to access these articles.

Mark Your Calendar for NIWAW 2006

The National Invasive Weed Awareness Week (NIWAW) VII has been scheduled for February 26 - March 3, 2006, in Washington, D.C. This important event is an excellent opportunity for federal and state agencies, non-profit organizations and other interested parties to meet, share and learn how others across the country are successfully controlling invasive weeds. It is also a unique opportunity for state groups to meet with their legislators and discuss important weed management funding and policy issues.

For up-to-date information on this important meeting, please visit the following website:
http://www.nawma.org/niwaw/niwaw_index.htm

Welcome New APMS Members

The Aquatic Plant Management Society is pleased to welcome the following new members:

Karen Jarrett, Houston, TX
Michael Riffle, Tallahassee, FL
Rachel Walley, Baton Rouge, LA
Donald Hayes, Tampa, FL
Philip Nogalski, Waukesha, WI
Karen Laitala, Moscow, ID

Job Opportunity in Florida

Title: Biological Scientist III
Department of Environmental Protection
Division of State Lands
Bureau of Invasive Plant Management

Position Number: 37001551

Location: Bartow, Florida

Monthly Pay Range: \$30,021.68 - \$77,261.34

Commensurate with experience/qualifications.

Positions are generally filled at the lower end of the pay scale.

Duties: This is a professional position responsible for assessing aquatic plant populations, recommending and permitting aquatic plant control programs for both private and public sectors, directing and monitoring aquatic plant control programs for both private and public sectors, directing and monitoring aquatic plant control operations, conducting investigations into violations of the aquatic plant control permitting rules, providing education/information services.

Experience in aquatic plant identification and survey techniques is highly desired. A B.S. degree in biology, plant science, or related natural science is required. Valid State of Florida driver's license is required. Some overnight travel required. Ability to operate a 4-wheel drive vehicle, outboard vessel, and airboat is highly desired. Note: Males 18-26 years of age who are or were required to register with the U.S. Selective Service and have not done so are ineligible for employment or promotion.

State of Florida Employment Applications can be obtained from: <https://peoplefirst.myflorida.com/sap/public/graphics/mimes/SOEapp.pdf>

Submit application to: Ms. Sharon Stinson, 2001 Homeland Garfield Road, Bartow, Florida 33830, by the application deadline of October 28, 2005.

The Department of Environmental Protection is an equal opportunity/affirmation action employer.

The Washington Report

October, 2005

Lee Van Wychen, Director of Science Policy



Greetings!

Hello fellow weed scientists and practitioners. I want to formally introduce myself as the new Director of Science Policy for the National and Regional Weed Science Societies. I began work on July 18, 2005. As the only official employee of the WSSA, in conjunction with financial support from the NEWSS, NCWSS, SWSS, WSSWS, and APMS, I am at your service.

Rob Hedberg left a big pair of shoes for me to fill. I have spent my first month getting up to date on some of the major issues facing the National and Regional Weed Science Societies and meeting some of the "movers and shakers" here in DC that can help us advance the Weed Science Societies' agenda.

Technophile

Another chunk of my time has been spent updating the DC office on some technology issues. I don't know about you, but I haven't used a dial-up connection to the internet since 1995 and I certainly didn't intend to go back. I believe that all the Societies can benefit from the technology out there and improve our operational efficiency. We have a lot of tech savvy people in our membership and I hope to draw on their expertise to help move the Weed Science Societies forward.

The Train Has Left The Station

For those of you who have been to the Washington DC office, you know that our office suite directly overlooks the railroad tracks that depart from Union

Station. Hence, I see a lot of trains arrive and depart every day. I share this office suite with Karl Glasener from the Agronomy, Crop and Soil Science Societies (ASA-CSSA-SSSA), and Tamara Wagester from the Council on Food, Agricultural and Resource Economics (C-FARE). We hope to expand the office suite to more "agricultural policy directors" in the future because we certainly benefit from our interactions on any number of issues. At the same time, I hope that if you are visiting Washington DC, for business or pleasure, that you will let me know when you will be in town! I can easily arrange a visit to your elected officials' Congressional office and provide you with some briefing materials. It's really a piece of cake!

Five Goals This Year

Working with Rich Bonanno, chair of the WSSA Washington Liaison Committee, we have developed a list of five main goals we would like to accomplish in the coming year.

1. **Expand the awareness of weed science issues and increase participation in the 7th National Invasive Weeds Awareness Week (NIWAW 7).**

Nelroy Jackson, chair of the NIWAW 7 planning committee has done an amazing job of planning the next conference. Nelroy has been an invaluable resource to me thus far. The Weed Science Societies are fortunate to have such a dedicated and committed member to weed science issues. Plan to attend NIWAW 7 on February 26-March 3, 2006 in Washington DC!

2. **Work with the USDA-ARS to adopt Weed Science as a Federal job series.**
Rob Hedberg initiated this movement and I hope we can finish it. I find it ridiculous that when ARS posts a job listing for a weed scientist that they can't refer to the position need as "Weed Scientist".
3. **Expand the WSSA's participation and recognition within the EPA as an "independent and unbiased source of information for weed science related issues".**

The EPA has opened the door for us and we need to take advantage of this opportunity. Initially, I will be working with Carol

Mallory-Smith, Rich Bonanno and John Jachetta this fall to set this train in motion.

4. Increase Weed Science research funding opportunities.

The WSSA is currently a dues paying member of several coalitions whose main goal is to advance agricultural research funding opportunities. Two main coalitions are the Coalition on Funding Agricultural Research Missions (CoFARM: <http://www.cofarm.org/index.html>) and the National Coalition for Food and Agriculture Research (NC-FAR: <http://www.ncfar.org/index.asp>). I also hope to get the WSSA more involved in the Council for Agricultural Science and Technology (CAST: http://www.cast-science.org/cast/src/cast_top.htm). I will be meeting with CAST's new Executive Vice President, John Bonner, on September 23, 2005.

5. Find opportunities to advance the awareness and financial support of weed science in the 2007 Farm Bill.

As most of you know, the discussion and listening sessions for the 2007 Farm Bill have already begun. There is much debate about how our international trade negotiations and World Trade Organization (WTO) cases will affect the commodity programs in the next Farm Bill. Regardless of what happens, weed science needs to have a seat at the table and make sure our voice is heard on Capitol Hill.

Money and Mayhem

USDA RELEASES \$5 MILLION TO RESTORE AND PROTECT WETLANDS IN 20 STATES

On July 19, 2005, Agriculture Deputy Secretary Chuck Conner announced the availability of \$5 million in the Wetlands Reserve Program (WRP) for restoration activities in 20 states. These funds will restore and protect nearly 40,000 acres of wetlands. "This is another step towards meeting the President's wetlands initiative goal set last year to restore, improve and protect at least 3 million acres of wetlands. Through cooperative conservation efforts with federal and state agencies, private landowners and nongovernmental organizations,

saving wetlands is resulting in cleaner air and water, healthier soil and improved fish and wildlife habitat," said Conner.

WRP, administered by the Natural Resources Conservation Service, is a voluntary conservation program that offers landowners the opportunity to protect, restore and enhance wetlands on their property. The goal of the program is to achieve the greatest wetland functions and values and create optimum wildlife habitat on every acre enrolled in the program.

States receiving the WRP funds are: California- \$250,000; Delaware- \$300,000; Idaho- \$56,500; Illinois- \$40,000; Iowa- \$125,000; Louisiana- \$800,000; Maryland- \$20,000; Michigan- \$250,000; Minnesota- \$350,000; Mississippi- \$100,000; Missouri- \$550,000; Nebraska- \$150,000; New York- \$300,000; North Carolina- \$93,000; Ohio- \$100,000; Oklahoma- \$50,000; South Carolina- \$385,000; Tennessee- \$75,000; Texas- \$521,125; and Vermont- \$10,000.

Additional information on WRP is available at <http://www.nrcs.usda.gov/programs/wrp>

PESTICIDE DRIFT

On July 25, 2005, the USDA ARS issued a News Release, titled "Unique Software for Preventing Pesticide Drift," which states in part that "The first user-friendly computer software for estimating the droplet drift distances for pesticide spray applications has been released by ARS and Ohio State University agricultural engineers. Helping Zhu and Robert Fox at ARS' Application Technology Research Unit in Wooster, Ohio, and Erdal Ozkan at OSU-Columbus named the new software "DRIFTSIM," for Drift Simulator ... The OSU Communications and Technology Office is distributing the DRIFTSIM software for a nominal fee. The Windows-based software can help farmers and Extension Service educators minimize pesticide drift by helping them choose equipment, settings and techniques. It also helps manufacturers design pesticide formulations and pesticide spraying equipment to minimize drift potential of their products. To calculate the likelihood of pesticide drift, the program allows pesticide spray operators and manufacturers to specify wind speed, droplet size and speed, nozzle height, operating pressure, air temperature and relative humidity ..." - The

complete text of the ARS News Release is posted at <http://www.ars.usda.gov/is/pr/2005/050725.htm>

BIOPESTICIDE RESEARCH GRANT PROPOSALS

Biopesticide Research Grant Proposals are sought by November 18, 2005 by the Interregional Research Project No. 4 (IR-4) - The IR-4 Biopesticide Research Program has issued a "request for grant proposals for funding of efficacy research in 2006. With newer targeted conventional chemicals there is interest in resistance management to maintain the utility of those products. Therefore, IR-4 is especially interested in proposals containing biopesticides as resistance management tools, rotated with conventional products. While resistance management is an important interest, the proposal must still have a majority focus on biopesticides. Selection of treatments and experimental design should be considered to elucidate the contribution of each component to the pest control system ... The total amount of funding available will be around \$400,000. Most successful grants have generally ranged from \$5,000 to \$10,000 with the largest grants generally around \$20,000. The primary objective of the IR-4 Biopesticides Research Program is to further the development and registration of biopesticides for use in pest management systems for specialty crops or for minor uses on major crops ... Eligible applicants are all U. S. public and private colleges and universities, USDA agencies, commodity groups, non-government organizations and contract research organizations. Preference is given to proposals from USDA and land grant institutions. Basic producers or registrants of biopesticides will not be funded, however collaboration with registrants is strongly encouraged ..." - Details are posted at <http://ir4.rutgers.edu/Docs/2006callforproposals.htm> - Questions may be directed to Michael Braverman, Ph.D, IR-4 Biopesticide Manager at 732 932 9575, ext 610; e-mail: Braverman@aesop.rutgers.edu

FARM BILL FORUMS

The dates, locations and times of the forums will be announced as they are scheduled and be available on the USDA website: <http://www.usda.gov/farmbill>

Six key topics will frame the forums, which the public is invited to comment on:

1. How should farm policy be designed to maximize US competitiveness and our country's ability to effectively compete in global markets?
2. How should farm policy address any unintended consequences and ensure that such consequences do not discourage new farmers and the next generation of farmers from entering production agriculture?
3. How should farm policy be designed to effectively and fairly distribute assistance to producers?
4. How can farm policy best achieve conservation and environmental goals?
5. How can federal rural and farm programs provide effective assistance in rural areas?
6. How should agricultural product development, marketing, and research-related issues be addressed in the next farm bill?

Respondents can submit their comments electronically on the USDA home page (<http://www.usda.gov>) by selecting "Farm Bill Forums." Comments can also be emailed to FarmBill@usda.gov, or be sent by mail to: Secretary of Agriculture Mike Johanns, Farm Bill, 1400 Independence Avenue SW, Washington, DC 20250-3355. USDA will review the public comments received by December 30, 2005, including any analyses, reports, studies and other material submitted with the comments that address the six questions.

At Your Service

I am very grateful for the opportunity to serve as Director of Science Policy for the National and Regional Weed Science Societies! I believe that the best days for the Weed Science Societies lie ahead of us. I look forward to the opportunity to get to work with more of our members and hope you feel comfortable enough to contact me with concerns that you have. I'm not going to be able to address every single issue, but I will certainly do my best to help you out. Along those lines, I hope that I can bring in a weed science grad or undergrad student to DC on a short internship to help me out. If you have any interest in DC policy and politics, I could use your help in the near future!

I didn't really provide you with any of my background, but I want to give you a brief summary of who I am:

- Grew up on a dairy farm near Green Bay, WI. Didn't like milking cows, so I did my undergrad work in Agronomy and Horticulture at the University of Wisconsin.
- Completed my Masters Degree in sweet corn weed management under the late Dr. Gordon Harvey.
- Have been a member of the WSSA since 1996 and have attended six Annual Meetings and five regional weed science meetings.
- Dr. Bruce Maxwell and Dr. A.J. Bussan co-advised me on the "Field-Scale Spatial Distribution, Water Use, and Habitat of Wild Oat in the Semiarid Northern Great Plains" at Montana State University.
- Dr. Clarence Swanton's gray hair is due to me (I was an unfortunate pedestrian in a hit and run accident while at the 2000 WSSA Annual Meeting in Toronto, Ontario, Canada).
- Was selected as a Congressional Science Fellow through the Agronomy, Crop, and Soil Science Societies Congressional Fellowship Program in 2002-03.
- During the past two years, I worked for Rep. Gil Gutknecht (R-MN) and Rep. Nick Smith (R-MI-retired), both members of the House Agriculture and House Science Committees.
- I am socially moderate and fiscally conservative in my political views. If you "take the quiz" at <http://www.politicalcompass.org/>, you can compare yourself to my numbers. I'm a 1.5 on the social axis and a 6.2 on the economic axis.
- My lifetime alumni memberships include Alpha Gamma Rho and the National FFA Organization.
- The Green Bay Packers are invincible. ☺
- "You ain't much if you ain't Dutch", a local saying back home.
- In my free time, I play a lot of recreational sports, spend time with my girlfriend, and serve as a "volunteer" tour guide in Washington DC.

I would like to thank the WSSA Board of Directors for this opportunity. I look forward to working with you.

Sincerely,

Lee Van Wychen
900 2nd St. NE, Suite 205
Washington, DC 20002
Lee.VanWychen@WeedScienceOrgs.com
work: 202-408-5388
fax: 202-408-5385

Fifteen Students Compete in San Antonio Paper Contest

Fifteen students representing 11 different Colleges and Universities competed in the APMS Student Paper Contest in San Antonio. As always, the student papers were excellent and covered a wide range of research topics. Sarah Williams, College of Charleston, won first place honors with her presentation entitled "Investigation of Factors Regulating Toxin Production in an Epiphytic Cyanobacterial Species Associated with AVM Bird Deaths." Second and third place finishers respectively were Lauren Quinn, University of California, Riverside with her presentation on "Invasion of an Experimental Riparian Restoration Project by *Arundo donax*" and Rebecca Smith, Clemson University, presenting "Investigating Triploid Chinese Grass Carp (*Ctenopharyngodon idella*) as a Potential Vector of Avian Vacuolar Myelinopathy." Other student paper participants included: Jeremy Hudgeons and April Schonrock of Texas A&M; Julie Graham, University of North Texas; Annie Jacob, Ohio State University; Toni Pennington, Portland State University; Ryan Wersal and Wilfredo Robles, Mississippi State University; Maurice Duke, Clemson University; Nestor Anzola, University of Southern Mississippi; Paul Muller, Bridgewater State College; and Gun Yeon Kim, Pusan National University, Busan South Korea.

New Invasive Plants Publication From WSSA Fills Need For An Important Planning Tool

The Weed Science Society of America (WSSA) recently published what has been hailed as the best, most comprehensive information on environmental and economic impacts of invasive plants available today. With references to over 750 scientific studies, *Invasive Plants of Range and Wildlands and Their Environmental, Economic, and Societal Impacts* is a valuable reference for scientists, weed control specialists, resources planners and policy makers who want comprehensive information on acreage infested, rate of spread, and damage caused by sixteen important invasive plant species.

"There are some excellent reference books available that describe weed biology, ecology, and management, but few focus extensively on documented damages caused by invasive plants," says the book's co-editor Celestine Duncan. "This information will be critical to quantifying societal losses, prioritizing weed management programs, and forming rational and consistent management decisions."

Katherine Smith, Director of Resource Economics with the USDA Economic Research Service, is enthusiastic about this new resource. "Its straightforward summarization of a large amount of published work makes it a more useful and decidedly more credible reference than sources that "cherry-pick" to arrive at some bottom-line figure using incompatible research findings."

John Jachetta, a Senior Research Scientist with Dow AgroSciences, LLC, conceived the idea to compile this information in response to land managers expressing a need for quantitative evidence of the perceived losses associated with invasive plants in natural areas. "The original goal of this project was to assess the impact of invasive plants on rangeland and wild lands in the U.S., and then use the information to prioritize research efforts and fill any gaps in the current database. Once we started pulling the information together, we quickly realized the value that this material would have to natural resource planners, policy makers, or anyone who

needs quantitative evidence of weed impacts to support their programs."

The WSSA Federal Noxious Weed Committee, western state weed coordinators, and Dow AgroSciences selected sixteen of the most ecologically and environmentally important invasive plant species in the United States for this review based on their perceived impacts, extent of infestation, and geographic region. Highlighted in this volume are Russian knapweed, musk thistle, diffuse knapweed, yellow starthistle, spotted knapweed, Canada thistle, hawkweed, perennial pepperweed, leafy spurge, *Sesuvia lespedeza*, purple loosestrife, downy brome, medusahead, Dalmatian toadflax, tropical soda apple, and saltcedar.

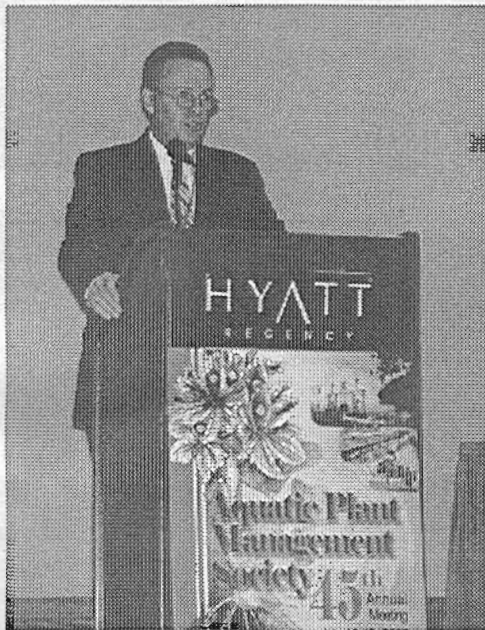
Duncan, along with professionals representing research, industry, and academic disciplines, compiled existing information on 16 invasive plants from national databases, scientific studies, and expert knowledge. The organization of the book allows quick and easy reference to eight categories of impacts including livestock and wildlife; plant communities; rare, sensitive, and threatened species; community function; soil and water resources; human health; economics; and value and use. General descriptions of the taxonomy, botanical characteristics, susceptible habitats, plant distribution, and spread and reproduction are also summarized for each invasive plant species.

The book can be purchased from the Weed Science Society of America through their secure website (www.wssa.net/publications.html), or by phone (800-627-0629). Don't miss the opportunity to add this important volume to your library.

25th Annual WAPMS Meeting

The Western Aquatic Plant Management Society (WAPMS) is planning an expanded program for their 25th annual meeting. The meeting will be held March 27-29, 2006 at the Handlery Hotel and Resort in San Diego, CA. In addition to the regular program, WAPMS will host a special applicators session and an international session with prominent plant management experts from New Zealand. Visit www.wapms.org for more information and plan to join the WAPMS in San Diego!

45th Annual Meeting in San Antonio, Texas



The 2005 APMS Officers and Board of Directors



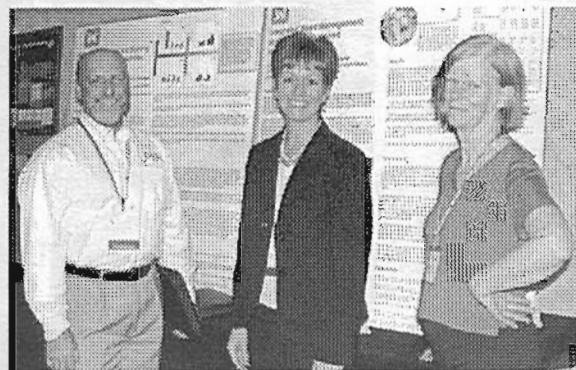
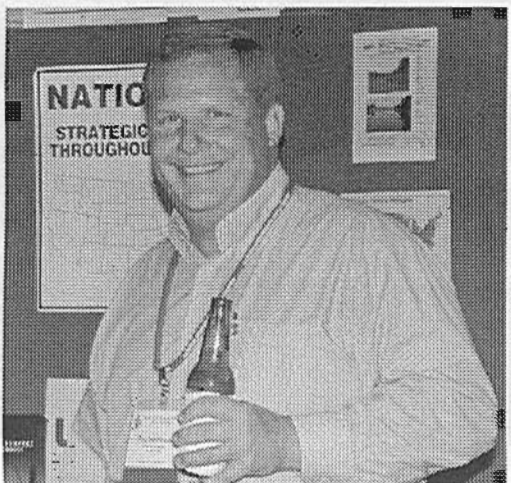
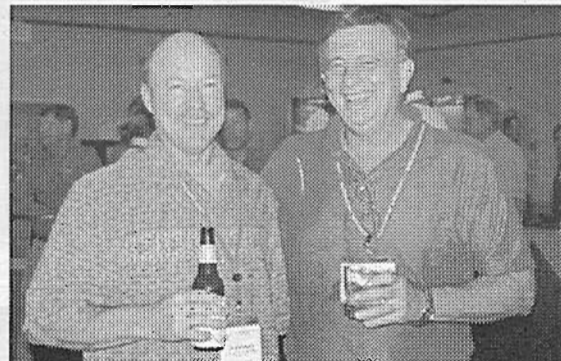
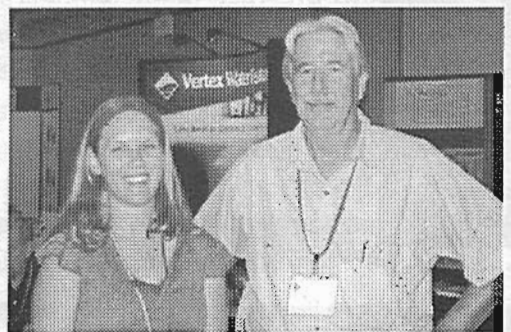
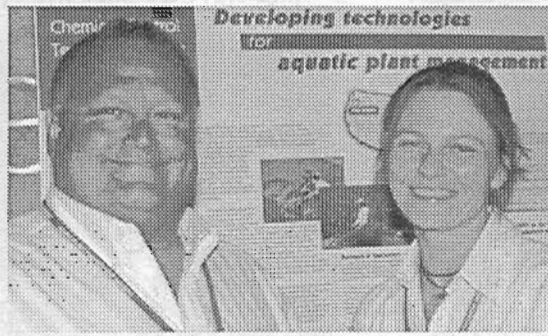
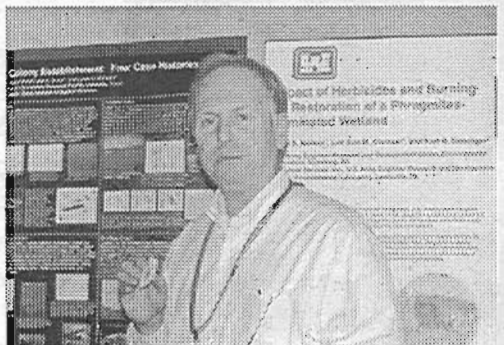
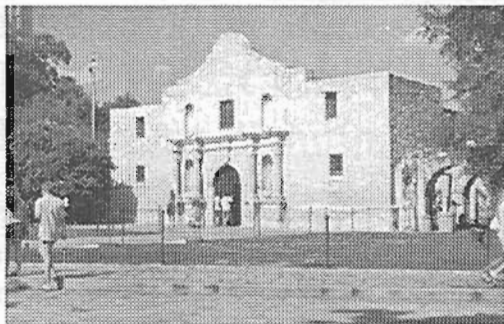
Eric Barkemeyer presented the T. Wayne Miller Distinguished Service Award to Gerald Adrian.



Dr. Susan Wilde (left) from the University of South Carolina, was the third recipient of the APMS Graduate Student Assistantship. This award will fund graduate student research over a 2-year period.

Linda Myers and family (right) accept an Honorary Member Award for Paul C. Myers for his many years of dedication and service to the APMS.





~ CALENDAR OF EVENTS ~

Date:	Event:	Contact/Go to:
October 24-26, 2005	Annual Conference and Training Certification Seminar, Texas Vegetation Management Association, South Padre Island, TX	http://www.tvma.net/conference.htm
October 27-28, 2005	Conference on Ecosystem Restoration and Creation, Tampa, FL	http://www.hccfl.edu/depts/detp/ecoconf.html
November 7-10, 2005	29 th Annual Conference, Florida Aquatic Plant Management Society, Inc., St. Petersburg, FL	http://www.fapms.org/meeting.html
November 9-11, 2005	25 th International Symposium, North American Lakes Management Society, Madison, WI	http://www.nalms.org/symposia/symposia.htm
November 13-17, 2005	26 th Annual Meeting, Society of Environmental Toxicology and Chemistry, Baltimore, MD	http://www.setac.org/baltimore/
January 3-5, 2006	Joint Conference – Northeast Aquatic Plant Management Society and the Northeast Weed Science Society, Providence, RI	http://www.neapms.org http://www.newss.org
February 13-17, 2006	Weed Society of America Annual Meeting, New York, NY	Dale Shaner, Program Chair E-mail: dale.shaner@ars.usda.gov Phone: 970-492-7414
February 26-March 3, 2006	National Invasive Weed Awareness Week (NIWAW), Washington, D.C.	http://www.nawama.org/niwaw/niwaw_index.htm
March 8-10, 2006	15 th Annual Southeastern Lakes Management Conference, Columbus, GA	http://science.kennesaw.edu/~jdirnber/ake.html
March 11-13, 2006	Midwest Aquatic Plant Management Society, Grand Rapids, MI	http://www.mapms.org
March 27-29, 2006	25 th Annual Western Aquatic Plant Management Society Meeting, San Diego, CA	Ross O'Connell, Program Chair E-mail: roconnel@cdfa.ca.gov Phone: (916) 654-0768
April 4-6, 2006	5 th National Integrated Pest Management Symposium, St. Louis, MO	http://www.ipmcenters.org/ipmsymposium/
May 14-19, 2006	14 th International Conference on Aquatic Invasive Species, Key Biscayne, FL	http://www.icaiss.org/
June 4-9, 2006	2006 American Society of Limnology and Oceanography, Victoria, BC	http://www.aslo.org/forms/victoria2006.html
July 9-14, 2006	27 th Annual International Conference, Society of Wetland Scientists, Cairns, Australia	http://www.sws.org/regional/australia/Cairns%202006%20add%20.htm
July 16-19, 2006	46 th Annual Aquatic Plant Management Society Meeting, Portland, OR	http://www.apms.org

2005-2006 APMS Officers, Directors, Committee Chairs and Special Representatives

<u>Office</u>	<u>Name</u>	<u>Telephone</u>	<u>E-Mail</u>
President	Jeff Schardt	(850) 245-2815	jeff.schardt@dep.state.fl.us
Immediate Past President	Eric Barkemeyer	(704) 892-3283	eric@barkemeyer.net
President Elect	Donald W. Doggett	(239) 694-2174	doggett@lchcd.org
Vice President	Jim Petta	(830) 625-4335	jim.petta@syngenta.com
Treasurer	Robert C. Gunkel	(601) 634-3722	robert.c.gunkel@erdc.usace.army.mil
Editor	Michael D. Netherland	(352) 392-0335	mdnether@ifas.ufl.edu
Secretary	Linda Nelson	(601) 634-2656	linda.s.nelson@erdc.usace.army.mil
Director	John H. Rodgers, Jr.	(864) 646-2960	jrodger@clemson.edu
Director	Steve D. Cockreham	(317) 580-8281	stevec@sepro.com
Director	P.J. Myers	(863) 533-8882	pjmyers@tamapabay.rr.com
Director	Greg MacDonald	(352) 392-1811	gemac@ifas.ufl.edu
Director	Jennifer Vollmer	(307) 755-5218	vollmej@basf-corp.com
Director	Michael Grodowitz	(601) 634-2972	michael.j.grodowitz@erdc.usace.army.mil

<u>Committee</u>	<u>Chair</u>	<u>Telephone</u>	<u>E-Mail</u>
Bylaws and Resolutions	Jim Schmidt	(800) 558-5106; x305	jimschmidt@appliedbiochemists.com
Education and Outreach	Jeff Schardt	(850) 245-2815	jeff.schardt@dep.state.fl.us
Exhibits	Harry Knight	(256) 796-8704	harryknight@appliedbiochemists.com
Finance	Richard Hinterman	(810) 744-0540	cygnetent@aol.com
Legislative	Mark Mongin	(317) 216-8312	markm@sepro.com
Meeting Planning	Robert C. Gunkel	(601) 634-3722	robert.c.gunkel@erdc.usace.army.mil
Membership	Angela Poovey	(601) 634-3542	angela.g.poovey@erdc.usace.army.mil
Nominating	Eric Barkemeyer	(704) 892-3283	eric@barkemeyer.net
Past President's Advisory	Eric Barkemeyer	(704) 892-3283	eric@barkemeyer.net
Program	Donald W. Doggett	(239) 694-2174	doggett@lchcd.org
Publications	Michael D. Netherland	(352) 392-0335	mdnether@ifas.ufl.edu
Regional Chapters	Jim Petta	(830) 625-4335	jim.petta@syngenta.com
Scholastic Endowment	Shaun Hyde	(860) 651-5583	shaunh@sepro.com
Student Affairs	Mark Heilman	(252) 437-3282; x223	markh@sepro.com
Web Site	Michael Grodowitz	(601) 634-2972	michael.j.grodowitz@erdc.usace.army.mil
Ad-hoc Strategic Planning	John Rodgers, Jr.	(864) 656-0492	jrodger@clemson.edu

Special Representatives

B.A.S.S. Representative	Gerald Adrian	(610) 594-1948	gerald.adrian@cerexagri.com
C.A.S.T. Representative	Jim Petta	(830) 625-4335	jim.petta@syngenta.com
N.A.L.M.S. Representative	Mark Mongin	(317) 216-8312	markm@sepro.com
W.S.S.A. Representative	Greg MacDonald	(352) 392-1811	gemac@ifas.ufl.edu
R.I.S.E. Representative	Terry McNabb	(360) 330-0152	terry@aquatechnex.com
APMS Web Master	David Petty	(317) 838-7383	dpetty@ndrsite.com

Visit the APMS WEB SITE

<http://www.apms.org>

**For members only features: username = apms
password = duckweed**