

AQUATIC Plant news

A Newsletter of The Aquatic Plant Management Society, Inc. P.O. Box 821265, Vicksburg, MS 39182-1265 Chetta Owens, Editor Issue Number 87, March 2008

Mission: "The Aquatic Plant Management Society, Inc., strives to promote environmental stewardship through operations, research, education and outreach related to integrated management of vegetation in aquatic systems"

Message from the President, Jim Petta

As we enter the New Year, there are many issues of interest to the society and its members. In Washington, DC, the federal government voices concerns over invasive plants and their impacts to biodiversity and the economy yet does not recognize the value of the US Army Corps Aquatic Plant Control (APC) Program. This program has been authorized for \$15M but has only been funded for approximately \$4M per year. This level of funding has been achieved only after significant efforts on the part of many members of APMS, RISE, and others who recognize the value and importance of the APC Program. In spite of the growing problem of invasives (pun intended), and generally universal agreement on the negative impacts to biodiversity, threatened/ endangered species, water quality and availability, and economic cost estimated in the 100's of millions to billions of dollars, we are in a real battle for modest investment. The APC Program is the only national program which crosses all state boundaries, much like invasive plants! As Dr. Al Cofrancesco and Jeff Schardt indicated during NIWAW in Washington, DC, the Corps (and I paraphrase here) has played a key role in the development of virtually every tool

available to aquatic plant managers. We need to support their work!

This is not to take away from local and state officials who are working to help provide new tools and strategies for aquatic plant management. States such as Florida clearly lead this effort, but efforts by North Carolina State University, Mississippi State University (GRI), USDA, and others are attempting to provide leadership and assistance in plant management. The other important piece of the APC Program is the 50:50 cost-share which has been allowed to languish. It is an excellent program that provides assistance to states involved in control efforts; however it has not been funded for several years.

So what can we do as a society? I'm glad you asked! You can write or call your Congressperson and request they help fund the APC Program within the 2009 FY budget at the authorized amount of \$15M. It only takes a few minutes, and the more people involved, the better chance of success!

The second part of my letter involves international aquatic plant management issues (and algae, Mr. Schmidt!). China is having severe problems with blue-green algal blooms and is using nefarious methods for control. A host of Latin American countries are dealing with high levels of Brazilian elodea, water hyacinth, and other invasive plants

which are placing a severe strain on production from hydroelectric facilities leading to reduced water quality and quantity. Human health is also at jeopardy as water borne disease rates increase. I would like to see APMS formalize its position as the leading society with expertise to help countries deal with aquatic plant problems. No organization is as well equipped with experts in this area. What can APMS do? The first step is communication with these various countries and their respective agencies and governments to explain who we are. A next step might be something as simple as a memorandum of understanding to place APMS and its members as a resource pool for global issues. Many members already spend time either directly or indirectly working with these countries. I have begun to explore this possibility with countries such as the UK and New Zealand which have wellestablished aquatic plant management groups. I hope you share my optimism to see us playing a larger role on the global scale of aquatic plant management.

I await your comments and ideas from any and all members! Fire away!

Jim

Historic Charleston, SC Hotel Site of the 48th Annual APMS Meeting

The 48th Annual Meeting of the Aquatic Plant Management Society will be held July 13-16, 2008, at the Mills House Hotel in Charleston, South Carolina. The South Carolina Chapter will be our host this year and will hold their 30th Annual Meeting in conjunction with the national society. The Mills House is a luxurious, full-service, antebellum hotel originally opened in 1853 and is on the Gold List of the World's Best Hotels by Conde Nast and was named Best Historic Hotel by Frommers. Our hotel is conveniently located near the Market place, the Charleston SC aquarium, the Dock Street Theater, the Charleston Waterfront Park, and a wide variety of restaurants. The Program Committee is preparing an exemplary meeting certain to peak the interest of all delegates. The technical program will begin on Monday morning and end at noon on Wednesday, with a poster session on Monday evening. The Program promises to be diverse and interesting with excellent oral and poster presentations on research and management activities. In addition, useful information on available aquatic plant management products and professional services will be provided throughout the meeting in our industry exhibits hall.



Mill House Hotel courtyard

The Meeting Planning Committee is busy arranging a number of exciting special events for all attendees to enjoy. Our meeting will kick off with a President's Reception on Sunday evening. As the official welcoming event of the meeting, this reception is an excellent time to reacquaint with old friends, meet new friends, and just relax and enjoy great food and beverage. The APMS Banquet on Tuesday evening will be another memorable event where we will recognize those who have served and contributed to our Society, welcome new officers and directors, and present student paper and other awards. All special events are free to registered delegates, students, and guests. Non-registered guests may purchase individual tickets for these events at the registration desk.

To make your hotel reservation, call The Mills House Hotel directly at 843-577-2400 or 800-874-9600 between the hours of 9:00 a.m. and 4:00 p.m. and ask to speak with Mary or Latoya. You must make your reservation on or before June 12, 2008, and be sure to mention that you are part of the Aquatic Plant Management Society. Our special APMS guest room rate is \$155.00 per night for single and double occupancy plus applicable tax, currently 12.5%. The Mills House Hotel requires that all reservations be guaranteed with a major credit card or a deposit. The deposit will be refunded if the reservation is canceled at least 48 hours prior to arrival date. Check in time is 3:00 p.m. and checkout time is 11:00 a.m. Note: A limited number of government rate rooms are available. To obtain a room at this rate, contact Sherry Whitaker at 601-634-2990 or Sherry.L.Whitaker@usace.army.mil to put your name on the list. She will handle all reservations made at the government rate.

The meeting registration fees are \$225.00 for delegates and \$100.00 for guests (spouse, partner, child over 12 years-of-age) if received by June 12, 2008. After this date, registration fees at the door will be \$275.00 for delegates and \$125.00 for guests. The meeting registration fee for students competing in the student paper contest (oral or poster) is waived and the registration fee for a student not competing is \$50.00. Delegate and student registration includes all technical sessions, President's Reception, refreshment breaks, Poster Reception, and Banquet. Guest registration includes President's Reception, refreshment breaks, Guest Tour, Poster Reception, and Banquet. Nonregistered guests may purchase individual tickets for the following events: President's Reception, Guest Tour, Poster Reception, and Banquet.

Please help us in planning for the meeting by completing the Registration Form included in this newsletter and submitting it prior to June 12, 2008. The Registration Form is also available on the APMS website. This will be an extraordinary meeting, so plan to come and bring the family!

Annual Meeting Deadline Dates

First Call for Papers - April 18, 2008 Early Registration - June 12, 2008 Hotel Registration – June 12, 2008

Annual Student Paper and Poster Contests in Charleston

The Aquatic Plant Management Society is soliciting student papers for the upcoming 48th Annual Meeting to be held July 13-16, 2008 at the Mills House Hotel in Charleston, SC. Oral and poster presentations of original research on the biology or ecology of aquatic or wetland plants, control methods (biological, chemical, mechanical, physical) for invasive plant species (introduced or native), and restoration projects using wetland or aquatic plants will be accepted.

The APMS provides student support and all qualified students will be provided room accommodations (based on double occupancy) and registration fees will be waived. In addition, 1^{st} , 2^{nd} , and 3^{rd} place prize money will be awarded in separate contests for both oral and poster presentations. This meeting provides students with an opportunity to develop presentation skills, learn more about aquatic plant management, and meet government, university and industry representatives as well as other student presenters.

Please log onto <u>www.apms.org</u> to learn more about the 2008 meeting. Students can register for the contest(s) by submitting an abstract as per website instructions or by using the forms included in this newsletter. For more information about the student contest(s), please contact

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Dr. John Madsen named APMS representative to C.A.S.T.

John Madsen (Mississippi State University) has been named APMS representative to C.A.S.T (Council for Agricultural Science and Technology). He is replacing Jim Petta.

Invasive Plant Science and Management

The Weed Science Society of America (WSSA) is pleased to announce that it has created a new journal titled *Invasive Plant Science and Management*. This new journal will focus on fundamental and applied research on invasive plant biology, ecology, management, and restoration of invaded non-crop areas, as well as on educational, sociopolitical, and technological aspects of invasive plant management.

The first issue (Volume 1, Number 1) has been published for January-March, 2008. Articles on the following topics are being solicited: the biology and ecology of invasive plants in rangeland, parkland, prairie, pasture, preserve, urban, wildland, forestry, riparian, wetland, aquatic, recreational, rights-of-way, and other non-crop settings; genetics of invasive plants; social, ecological, and economic impacts of invasive plants; design, efficacy, and integration of control tools; land restoration and rehabilitation; effects of management on soil, water, and wildlife; scholarship in education, extension, and outreach methods and resources; technology and product reports; mapping and remote sensing, inventory and monitoring; technology transfer tools; and regulatory issues.

Types of articles include research and education, case studies, reviews, symposium papers, and notes and commentary. Manuscripts will be peerreviewed for content and presentation by two or more anonymous reviewers and an Associate Editor. Final acceptance or rejection is the prerogative of the Editor, Dr. Joseph DiTomaso. *Invasive Plant Science and Management* will be published quarterly, beginning the first quarter in 2008. The journal will be available as a selected benefit of WSSA membership and also by individual subscription.

Instructions for contributions may be found at http://www.wssa.net. For more information, contact the Editor Dr. Joseph DiTomaso at jmditomaso@ucdavis.edu.

Robert C. Gunkel, JR. Retires

Bob Gunkel (Treasurer, Meeting Planning Chair) retired from the Corps of Engineers, Vicksburg, MS where he was Program Manager of the Aquatic Plant Control Research Program (APCRP) and Biologist for the Engineer Research and Development Center (ERDC). He started working for ERDC in 1978, serving the Corps for 30 years. He has been a member of APMS since 1989. Bob has been Treasurer (2003-present), Director (1999-2002) and Chair of the Meeting Planning Committee (1998-present).

The APMS Newsletter is Going Electronic

As costs increase for copying and mailing, the APMS Board of Directors decided to make the newsletter electronic. All members will receive the newsletter via email 3 times annually (March, June and October). The registration form will have a box to check if you do not have an email address, or you want to continue receiving the newsletter in hard copy. Please check the registration form for the 2008 Annual Conference in Charleston, SC.

Planned Giving to the Aquatic Plant Management Society

Extend your support and commitment to the Society into the future by including the Aquatic Plant Management Society in your estate planning.

Bylaw Change From Jim Schmidt, Chairman of the APMS Bylaws and Resolution Committee

Committee members: Ken Manuel, Terry Goldsby, Toni Pennington, LeeAnn Glomski

RE: Bylaws and Resolutions Committee Report

The BOD passed a motion at the July 2007 Annual Board Meeting to give the Student Representative, appointed by the Student Affairs Committee and participating Student Members full voting rights as a Director. This requires a Bylaws change. A rough draft of these proposed changes was provided at the Post annual meeting of the Board of Directors. Upon further review of the Bylaws, the following additions and changes are proposed. Additions and changes are underlined.

ARTICLE IV OFFICERS

<u>Section A</u>... The Board of Directors of the Society shall consist of not more than <u>fourteen (14)</u> members...

Section I. **Directors**. Directors shall assist in administering the affairs of the Society, <u>and shall</u> <u>include one student member nominated by his/her</u> <u>peers in accordance with Article XIII, Item 15. The</u> <u>Student Director shall bring the interests of fellow</u> <u>student members to the Board of Directors.</u>

ARTICLE V TERM OF OFFICE

Directors shall serve a three-year term with the exception of the Student Director who shall serve a one-year renewable term, if so appointed in accordance with Article XIII Item 15. Terms for all Officers and Directors shall begin at the close of the business meeting at which they were elected.

ARTICLE XI ELECTION OF OFFICERS

Section B...Two (2) new Directors shall also be elected each year for a term of three (3) years <u>and</u> <u>one Student Director for a one (1) year renewable</u> <u>term</u> or until their successors shall be duly elected and qualified Section C. <u>With the exception of the</u> <u>Student Director</u>, no member shall be eligible for office who has not been a voting member of the Society for the immediate past three (3) consecutive years.

ARTICLE XIII COMMITTEES AND REPRESENTATIVES

Section A. Standing Committee

8. Nominating Committee... This committee shall inform the Society membership of the slate of nominees for office at least 30 days prior to the annual business meeting, <u>(an exception may be</u> <u>made for Student Director if selection of a nominee</u> by the Student Affairs Committee cannot meet that deadline).

15. Student Affairs Committee... The duties of this Committee shall be to investigate and promote membership of students into the Society and make recommendations to the Board of Directors as to means of enhancing and encouraging student participation in the Society. <u>Prior to the Annual Business Meeting, this Committee shall provide the Nominating Committee the name of their selected current student member willing to serve on the Board as a Student Director for the up-coming year.</u>

In summary, this essentially limits the Student Affairs Committee to making a nomination/recommendation for a candidate to the Nominating Committee and does provide the membership to formally vote on the Student Director nomination at the Annual Business meeting. Note that an exception is made for posting of this nomination, since flexibility is needed in terms of when the decision is made. I (*APMS Bylaws and Resolution Committee*) believe this is much cleaner, more appropriate and has more meaning than an informal appointment process to a voting position.

Upon the Board's approval (January 12, 2008) of the above (and/or receipt of additional Board approved revisions), finalized proposed changes will be posted in the APMS Newsletter (March 2008) 30 days prior to the annual meeting.

Welcome New Members

The Aquatic Plant Management Society is pleased to welcome the following new members since October 2007.

Sidnei Roberto de Marchi, Mato de Grosso, Brazil Patricia Eklund, Pine Bluff, AR Patrick Patterson, Sterling, VA Justin Reeves, Kent, OH Paula S. Williamson, San Marcos, TX Rich Meade, Sedalia, MO Mike Muldoon, Roselle, IL Jay Sockriter, Orlando, FL

Awards Received at NIWAW

The Aquatic Ecosystem Restoration Foundation (AERF) was originally created to help sustain the Army Corps of Engineers aquatic research program through a CRADA. With only 98 members, including 11 students, they have contributed over \$3M to the research and education of aquatic invasive plants. The foundation has supported numerous graduate students in programs such as invasive tamarisk impacts in the Southwest, improving control of hydrilla in Florida, and phragmites control in the Great Lakes. AERF is a leading organization in the aquatic plant management field. The foundation has contributed to and organized events to raise awareness and educate communities and congress on issues related to invasive aquatic plants. AERF's most successful achievements include the production of the Best Management Practices Handbook for Aquatic Plant Management in Support of Fish and Wildlife Habitat and educational seminars on invasive weed management across the US. This handbook is an introductory resource on invasive plant control technologies for landowners, extension agents, applicators as well as land and water resource managers throughout the country. Over 9000 copies of the handbook have been distributed free-ofcharge. AERF has given financial support annually

to NIWAW and its members have consistently attended and participated in NIWAW activities.

The IWAC Special Achievement Award - Individual

Jeffrey D. Schardt is the Environmental Administrator, Florida Department of Environmental Protection, Bureau of Invasive Plant Management. He has been responsible for administering the Florida aquatic plant control permitting and compliance programs, and developing a detailed website with the University of Florida that contains information on aquatic plant control in the state. Jeff has also implemented a prioritized system for plant management on Florida waters as well as spearheading the creation of the elementary and middle school booklet entitled "Understanding Invasive Aquatic Weeds", of which more than 80,000 copies have been distributed nationwide. Jeff has served as President of the Aquatic Plant Management Society and has served our country as a member of ISAC - the Invasive Species Advisory Committee. He is a strong supporter of IWAC/NIWAW and has taken part in ACOE and congressional briefings.

Joint IWAC-FICMNEW Achievement Award

Jennifer Vollmer is an Environmental Resource Specialist with BASF Corporation who has worked in the area of management of invasive weeds. She currently serves on ISAC (the Invasive Species Advisory Committee) and has served on the Board of Directors of the Aquatic Ecosystem Restoration Foundation, Aquatic Plant Management Society, and Center for Invasive Plant Management. Jennifer is an active member of the Weed science Society of America and the Western Society of Weed Science. In her work, she is associated with the development of Arsenal, Habitat and Plateau in aquatics, riparian areas, rangeland and forestry. Jennifer is being honored for her tireless and important contributions to the success of IWAC and NIWAW over the years including planning, execution and financial support of the annual forays into Washington DC.

CAREER OPPORTUNITIES:

Aquatic Control Technology of Sutton, MA, has openings for both full-time and part-time (summer) positions. Clients include state/federal agencies, lake associations, cities/ towns, private lake/pond owners, etc. The majority of the firm's work is focused on designing, permitting and implementing aquatic management programs to control invasive aquatic plants. The company practices an integrated approach to management utilizing a wide array of chemical (USEPA/state registered aquatic herbicides) and non-chemical (mechanical, physical and biological) strategies and techniques. To learn more about the company and our services, please browse our website at www.aquaticcontroltech.com We offer competitive compensation and opportunity for career advancement. Qualified applicants may call or send qualifications (resume) to: Aquatic Control Technology, Inc., 11 John Road, Sutton, MA 01590, Tel: 508 865 1000, Fax: 508 865 1220, email JPFitzgerald@AquaticControlTech.com

Positions:

Biologist, Aquatic Biologist or Limnologist

Candidates must posses either a Bachelor's or Master's degree in environmental, biological or related sciences. Previous experience and knowledge of: pond/lake management, aquatic plant identification, and/or water quality/limnological sampling is desired: however, we will train a qualified candidate. Candidates must be field oriented and have verbal, written and computer skills. Familiarity with GIS and ArcView is preferred. Candidates should be willing to take the State Pesticide Applicator exam, experienced with boat/motor operation, be willing to work long hours during summer field season, and be available for some limited overnight travel.

Field Technician/Equipment Operator

Candidate to assist Biologist's/Engineers with lake/pond surveys, chemical treatments of invasive/nuisance vegetation, operate harvesting machinery; perform maintenance on boats and other equipment. Employment between April and November is anticipated with the potential for yearround employment. Candidate must be capable of communication with colleagues and clients, possess good mechanical skills for operating/repairing harvesting machinery, pass the State pesticide exam and be available for some overnight travel. Heavy Equipment operating experience and/or holding a valid CDL is a plus.

Field Technician/Equipment Operator (Summer)

Job description and qualifications similar to those listed above, but these are summer positions (May/June through August). Candidates must be at least 18 and have good driving record. This position(s) is an excellent opportunity for graduating Senior (high school) or college student majoring in biology, environmental sciences, etc.

Have You Checked the APMS Member Directory Lately?

We need your help to update the mailing and E-mail addresses and phone numbers in our on-line Membership Directory. To do this, go to the APMS website at **www.apms.org** and click on "Member Directory." This member only feature can be accessed by typing:

> Username = apms Password = duckweed

Username and password are case sensitive (no caps). Please check your personal data and send any changes to the Webmaster, Dave Petty at dpetty@ndrsite.com.

APMS Promotional Information Available

The APMS has revised its two tabletop displays and posters, suitable for presentation at conferences and stakeholder meetings. Also available are tri-fold membership brochures and a newly completed eight-page color booklet with additional information about the APMS programs and initiatives. You may borrow the display for your next conference and obtain copies of the brochure and booklet by contacting the APMS Secretary or President whose contact information is on the APMS website at <u>www.apms.org</u>.

~ CALENDAR OF EVENTS ~

Date:	Event:	Contact/Go to:
March 1-3, 2008	Midwest Aquatic Plant Management Society, Kalahari Resort, Sandusky, OH	www.mapms.org
March 3-6, 2008	Western Aquatic Plant Management Society, Granlibakken Conference Center and Lodge, Lake Tahoe, CA	www.wapms.org
March 26-28, 2008	New England Association of Environmental Biologists (NEAEB), Bartlett, NH	www.epa.gov/regional/neaeb2008 Dave Neils at 603-271-8865 or dneils@des.state.nh.us
June 13-14, 2008	New England Chapter of the North American Lake Management Society (NEC-NALMS), Lake Morey Resort, Fairlee, VT	Susan.Warren@state.vt.us www.vtwaterquality.org/lakes.htm.
June 23-27, 2008	5th International Weed Congress, Vancouver, Canada	http://iws.ucdavis.edu/5intlweedcong.htm
July 13-16, 2008	Aquatic Plant Management Society , Charleston, SC	www.apms.org
September 21-25, 2008	5 th World Congress on Allelopathy, Saratoga Springs, NY	www.iascongress5.org
October 14-17, 2008	Natural Areas Association and the National Association of Exotic Pest Plants Councils, Nashville, TN	www.naturalarea.org mail@naturalarea.org
March 24-29, 2009	6 th Intenational IPM (Integrated Pest Management) Symposium, Transcending Boundaries, Portland, OR	http:/www.ipmcenters.org/ipmsymposiu m09/

ACKNOWLEDGEMENTS

Special thanks to LeeAnn Glomski and Julie Nachtrieb for review, assistance and guidance on this newsletter!

FIRST CALL FOR PAPERS THE AQUATIC PLANT MANAGEMENT SOCIETY

48th ANNUAL MEETING CHARLESTON, SOUTH CAROLINA – JULY 13-16, 2008

You are invited to submit a title and abstract for the 48^{th} Annual Meeting of the Aquatic Plant Management Society to be held July 13 - 16, 2008 at the Mills House Hotel in Charleston, South Carolina. Presentations on all aspects of aquatic plant management, biology and ecology will be considered. Oral presentations are allotted a total of **15 minutes**. A special poster session is also scheduled.

An LCD projector/computer, projection screen, and a laser pointer will be available for oral presentations. **Only PC-based PowerPoint presentations will be accepted.** You will not be allowed to set up a personal computer to run your presentation. Free-standing display boards (4' by 4') will be provided for velcro-backed posters.

Please type the title, author(s), organization(s) and address on the form below exactly as you wish them to appear in the program. Submit this sheet along with an attached abstract of up to 350 words. Abstracts will be printed and provided to meeting participants.

The Submission Deadline for Title and Abstract is Friday April 18, 2008

Presentation Format: Oral Presentation _____ or Poster ____ (Please check one) Student Paper Competition: Yes ____ No ____ (Please check one) Title of Paper/Poster: _____ Name: ______ Affiliation: _____ 1st Author: Address: City, State, Postal Code, Country: _____Affiliation: _____ 2nd Author: Name: Address: City, State, Postal Code, Country: Name: ______ Affiliation: _____ 3rd Author: Address: City, State, Postal Code, Country: **Presenter Contact Information:** Submit Completed Form & Abstract To: Carlton Layne, APMS Program Chair Name: 3272 Sherman Ridge Dr. Phone: Marietta, GA 30064 E-mail: layn1111@bellsouth.net Phone: 678-773-1364 Fax: 770-499-0158 Fax: E-mail: NOTE: You will be required to submit a CD or flash drive with your final PowerPoint presentation upon registration. All presentations that include externally run programs, models, or special animation must be reviewed and approved by the Program

Chair **1 week** before the meeting. No Exceptions!

2008 APMS Officers, Directors, Committee Chairs and Special Representatives

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B.A.S.S. Representative C.A.S.T. Representative N.A.L.M.S. Representative R.I.S.E. Representative W.S.S.A. Representative APMS Web Master Director of Science Policy

<u>Name</u>

Jim Petta Don Doggett Carlton Layne Greg MacDonald Robert C. Gunkel Michael D. Netherland Mark Heilman Tyler Koschnick Chetta Owens Jennifer Vollmer Michael Grodowitz Brad Howell Terry Goldsby Wilfredo Robles

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