



AQUATIC PLANT NEWS

A Newsletter of The Aquatic Plant Management Society, Inc., Issue No. 77, October 2004
Linda Nelson, Newsletter Editor, P.O. Box 821265, Vicksburg, MS 39182-1265

Letter from the President, Eric Barkemeyer



As a meeting for the profession of aquatic plant management, our 44th Annual Meeting in Tampa hit all of the high notes. Congratulations to President Ken Manuel for presiding over a fantastic occasion. A program packed with interesting technical presentations, a special session on herbicide tolerance issues, nine skillfully prepared student presentations and several well planned and coordinated events made this meeting an enjoyable and memorable one. From my perspective of Program Chair, this successful meeting was the result of many dedicated and talented people working diligently to make everything come together so well. We in our Society are fortunate to have people with the depth of knowledge and expertise that we do. Once again, I want to extend my thanks to those who gave their time, energy and resources to make this event successful.

I'm sure that everyone was impressed, as I was, with the number and quality of the student presentations at our meeting. Congratulations to Sarah Habrun, College of Charleston, for receiving the top prize in the

Student Presentation Competition. Although we recognize the top three presentations, all of the students are to be congratulated for their efforts in their studies. Their hard work has helped make our student program successful. I feel this success is the result of increased interest in the studies of aquatic biology in our education and research institutions. We in the APMS have contributed to this increase through our contributions to the APMS/AERF Graduate Student Stipend Program that began in 1999. To continue this initiative, your Board has approved a two-year \$60,000 Graduate Stipend Program to begin in 2005. By combining our scholarship endowment funds with contributions from our regional chapters and affiliated organizations, we can attract highly qualified students that will become the leaders of our profession in the future. APMS Vice President, Don Doggett, will coordinate the review of applications and selection of the deserving recipient. Complete details of the program will be published in the next newsletter.

During our Awards Luncheon, we recognized one of our long-time members, Lewis Decell, for his contributions to the profession of aquatic plant management, his support of our Society throughout his career and his leadership in APMS, by presenting him with Honorary Membership. We have been very selective in awarding Honorary Membership in our 45-year history as an organization. It is awarded to those individuals who not only make significant contributions to the Society, but have a major impact on the profession as a whole. As the Director of the US Army

President Barkemeyer continued...

Corps of Engineers Aquatic Plant Control Research Program, Lewis led an effort that made significant improvements in the management of aquatic plants and made the USACE program an unqualified success. Congratulations to Lewis for receiving this high honor.

Who of us in Tampa would have predicted that within a few weeks of our meeting, the state of Florida would be visited by Charley, Frances, Ivan and Jeanne? The devastation and destruction caused by these storms is so widespread and severe that it is difficult to comprehend without seeing it firsthand. Also, areas of Georgia, North Carolina, Virginia and West Virginia received high winds and rainfall from both Frances and Ivan that resulted in death and destruction. Many of the families and businesses affected are fellow professionals in aquatic plant management. If you feel as I do, we want to assist in some way. The best way to help at this time is to make a financial contribution through one of the relief agencies set up to provide assistance to those who have lost so much. And especially, keep the citizens of Alabama, Florida, Georgia, North Carolina, Virginia and West Virginia in your thoughts and prayers.

During the past three years, our profession has been involved, directly and indirectly, in two regulatory issues: NPDES permitting requirements and supporting the EPA decision on counterpart regulations on endangered species. These issues are pesticide issues and are not specific to aquatic plant control. But, I mention these issues to make this point: the APMS and its affiliated chapters should be recognized as the key regional or national organization for water resources management issues. With the knowledge and expertise of the members of our Society, this is an attainable goal. However, I do not feel that we are yet recognized as the leader on critical water management issues when they appear. To be accepted as a leader, our organization must become more visible through public education and outreach. We have begun the process with our workbooks, BASS Symposium and the upcoming issue of the marine science publication, *Current*. These are all excellent programs and I applaud the people who have

worked to make them successful. However, we must continue to make people in the general public, agencies and legislatures more aware of the issues of invasive aquatic plants and their impact on the environment. We in our profession are few in number; therefore, we need the talents and abilities of everyone. I am asking all of you to become more involved in our Society.

I will close with words of my favorite philosopher, Mark Twain, "Do something every day that you don't want to do; this is the golden rule for acquiring the habit of doing your duty without pain." Join me in helping make our Society and our profession more effective in improving our nation's water resources.

San Antonio, Texas Annual Meeting Site for 2005

The 45th Annual Meeting of the Aquatic Plant Management Society will be held at the Hyatt Regency San Antonio on the Riverwalk at Paseo Del Alamo, July 10-13, 2005. The meeting Planning Committee is hard at work arranging entertaining events for relaxing and visiting with colleagues. Some of the exciting social activities being planned include the President's Reception, Spouse Tour, Poster Reception, and Banquet. The Program Committee promises a very interesting and diverse program with excellent presentations on research, management, and much more.

This will be an extraordinary meeting, so plan to attend and bring your family. San Antonio offers many things to see and do including historic sites, family fun, sporting events, outdoor activities, culture, plenty of shopping spots, great restaurants, and exciting nightlife. So mark your calendar and join all of your APMS friends for a good time, Texas style.

More meeting information will be coming soon to the APMS web site at www.apms.org and in future newsletters.

FIRST CALL FOR PAPERS
THE AQUATIC PLANT MANAGEMENT SOCIETY

45th ANNUAL MEETING
SAN ANTONIO, TEXAS – JULY 10-13, 2005

You are invited to submit a title and abstract for the 45th Annual Meeting of the Aquatic Plant Management Society to be held July 10 – 13, 2005 at the Hyatt Regency San Antonio in San Antonio, Texas. 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 250 words. Abstracts will be printed and provided to meeting participants.

The Submission Deadline for Title and Abstract is April 15, 2005

Presentation Format: Oral Presentation ☐ or Poster ☐ (Please check one)

Student Paper Competition: Yes ☐ No ☐ (Please check one)

Title of Paper/Poster: _____

1st Author: Name: _____ Affiliation: _____

Address: _____

City, State, Postal Code, Country: _____

2nd Author: Name: _____ Affiliation: _____

Address: _____

City, State, Postal Code, Country: _____

3rd Author: Name: _____ Affiliation: _____

Address: _____

City, State, Postal Code, Country: _____

Presenter Contact Information:

Name: _____

Phone: _____

Fax: _____

E-mail: _____

Submit Completed Form & Abstract To:

Jeff Schardt, APMS Program Chair
DEP Invasive Plant Management
3900 Commonwealth Blvd., Mail Station 705
Tallahassee, FL 32399
E-mail: jeff.schardt@dep.state.fl.us
Phone: 850-245-2815 Fax: 850-245-2834

NOTE: You will be required to submit a CD with your final PowerPoint presentation approximately **1 week** before the meeting. 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!

Special Thanks to the Following Sponsors of the 44th Annual Meeting

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Thanks to the following sponsors for
contributing prizes for the silent auction
and raffle event at the Tampa Meeting

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Exhibitors at the 44th Annual Meeting

Applied Biochemists
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BioSafe Systems
BioSonics, Inc.
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Congratulations to BioSonics, Inc.
winner of the 2004
APMS Exhibitor's Award

The APMS would like to recognize the Commercial Sustaining Membership for their valuable support to the Society

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Milwaukee, WI

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Aquarius Systems
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Total Lake Management, Inc
Bryan, TX

UAP Timberland, LLC
Memphis, TN

Invaders Moving North?

Carole Lembi

Purdue University, West Lafayette, IN

Two "new" invasive aquatic plant species in Indiana were recently brought to my attention. An article entitled "Aquatic Plant From Brazil Invades Bloomington Lake" appeared in our local papers on September 1. The plant is, of course, Brazilian elodea (*Egeria densa*), and it was found in Griffy Reservoir (109 acres) near the Indiana University campus. Having read this, I was sort of on the lookout for the plant when I accepted an invitation to speak at a pond management clinic in Switzerland County (didn't know Indiana had mountains did you?), which is along the Ohio River. I always ask people to bring in their problem plants, and to my surprise, a pond owner brought in some very healthy Brazilian elodea. This was the first time I had seen it in Indiana. The fisheries biologist said he had seen it in another pond, and Bob Johnson and the folks at Aquatic Control have treated it in a few sites, so it clearly has become established in the state.

The current distribution map (<http://plants.usda.gov>) shows that Brazilian elodea is established all along the Atlantic and Pacific coasts and in the southern half of the U.S. The map also includes Illinois, so it should be no surprise to find it in Indiana and probably other Midwestern states. The major cause for its spread has been attributed to the fact that it is an attractive and commonly-used aquarium plant.

The other plant that came to my attention is yellow floatingheart (*Nymphoides peltata*). A homeowner called in and said that he had purchased this water garden plant from Lowe's and it was taking over his pond. I visited the site in southwestern Indianapolis, and sure enough, the pond was about 3/4 covered with floatingheart. Before he had realized how much of a problem this plant was going to cause, he had given some to a neighbor, so it shouldn't be long before retention ponds throughout Indianapolis are infested with this plant. The distribution map for yellow floatingheart extends in a slant from Texas to Vermont, and it includes Indiana, Illinois, Ohio, and Pennsylvania.

Clearly both of these plants have become naturalized in very localized sites in the lower Midwest for at least a few years. They now, however, seem to be spreading to the point that they are becoming problems, and given their popularity as aquarium and water garden plants, there is probably no end in sight. According to Don Garling (Michigan State University), a series of bills (Senate bills No. 1420-1426) have been introduced to the Michigan legislature to ban the sale of certain non-native aquatic plants (including Brazilian elodea and yellow floatingheart) in the state. (To follow the progression of the bills, go to <http://www.michiganlegislature.org/mileg/asp?page=Home>) Such action will be needed by all northern states to slow the spread of these species.

Another species we are looking for is *Arundo donax*. It is cited as being in Illinois, and it reportedly has been planted as an ornamental in Indiana. I have not spotted it in my travels or received any samples of it, so if it is present in Indiana, it has not yet posed a problem. We are more concerned about the rapid spread of the European haplotypes of *Phragmites australis* right now. This strain is rapidly moving along our interstates from north to south rather than the other way around.

Just as I was getting firsthand experience with Brazilian elodea and yellow floatingheart, I found out that our local WalMart was selling water garden kits containing purple loosestrife (*Lythrum salicaria*) seed. This is one of the few invasive aquatic plant species that is illegal to sell in Indiana. Apparently, they pulled it off their shelves before I or our state inspectors could call them on it.

With invasive species like Brazilian elodea and yellow floatingheart in Indiana and Illinois, they are just a hop, skip, and jump away from states in the upper Midwest and elsewhere. But, keep in mind that these plants do not necessarily have to move from south to north, not when anyone can buy them at Lowe's!

44th Annual Meeting in Tampa



Thanks to Don Doggett, Eric Barkemeyer and Vic Ramey for many great photos. To see more, go to the APMS website at www.apms.org and click on "2004 Meeting"



The Washington Report

September 7, 2004

Rob Hedberg, Director of Science Policy

Election, Election, Election

In real estate it is location, location, location. In Washington, it is election, election, election right now. Everything else is secondary. Only the most important and visible legislation is likely to receive much attention before Congress adjourns and legislators return to the campaign trail in early October. Because there is a great deal of unfinished work at hand it seems very likely that Congress will have to convene again after the election. Foremost on their agenda at that time will be completion of the appropriations legislation that is largely unfinished at this time.

There will also be significant pressure to complete a number of other bills that the 108th Congress has been considering over the past two years because any legislation that is not completed by the end of this session will have to be reintroduced when the 109th Congress convenes in January. With a new Congress there will be new legislators, new committee assignments and even some new committee chairmen so it is much more desirable to finish bills now rather than dealing with the uncertainty of reintroduction in the next session. Several weeds bills are in this category.

Weeds Bills

Congress has seen more invasive species and weed bills introduced than ever before and two major weeds bills are very close to final passage. There have been significant discussions and major negotiations about the Noxious Weed Control Act of 2004 (S.144), since passage by the House Resources Committee and referral to the House Agriculture Committee on May 19. Many of the discussions dealt with implementation of the program by the Department of Agriculture. The major details have now been resolved so it will now be a race with the clock to obtain referral out of the Agriculture Committee, a vote by the full House, Senate acceptance of the House changes and ultimately, the President's signature.

The "Salt Cedar and Russian Olive Control Demonstration Act" (H.R. 2707/S.1516ES) is slightly ahead of S.144 because both the Senate and the House have passed versions but it is still necessary for the differences between the two versions to be reconciled before the bill can be signed by the President.

A third bill, the Public Land Protection and Conservation Act of 2004 (S.2598) was also introduced late in this session and has attracted a fair amount of initial attention. This bill has elements that are similar to both the noxious weed and the salt cedar bills, but would provide cost share assistance for assessment and management of all invasive species, not simply invasive plants. Senator Akaka (D-HI) introduced this bill with co-sponsorship by a handful of other democratic Senators. I anticipate this bill will be reintroduced in the Senate in the next session and that a similar bill will also be introduced in the House.

Weed Research and Management Funding Opportunities

Several weed research and management funding opportunities were recently announced. These include the USDA-CSREES-National Research Initiative (PTI) and a regional EPA Grant proposal.

USDA-CSREES-National Research Initiative

The new Request for Applications (RFA) for the NRI was posted on September 3 and includes several items that are worth noting for weed scientists. Foremost are the opportunities for integrated research, the deadlines for grant applications, some of the less used aspects of the NRI and the overall USDA strategic objectives that the NRI is intended to support.

An important new opportunity for weed scientists now exists in the NRI. Up to 20% of the NRI funding is intended for "integrated programs" that address identified agricultural problems and employ at least two components of the agricultural knowledge system (research, education, and

extension). In addition, these integrated funds will not be distributed uniformly across all program areas, rather they will be targeted to specific priorities. Of 31 program areas listed in the RFA, only nine are specifically soliciting applications for Integrated Projects. The Biology of Weedy and Invasive Species program, the Managed Ecosystems program, the Animal and Plant Biosecurity program are among these nine.

The primary opportunity for weed scientists is in the Biology of Weedy and Invasive Species program. Applications to this program must be received by January 7, 2005. Scientists considering this program are encouraged to contact Dianna Jerkins, the current National Program Leader, (202-401-6996, djerkins@csrees.usda.gov). Weed scientists may also want to consider the Managed Ecosystems program area and the Animal and Plant Biosecurity program area. Applications for these other two programs must be received by January 10, 2005 and June 15, 2005, respectively. Dianna Jerkins is the National Program Leader for the Managed Ecosystems program. The National Program Leaders for the plant component of the Animal and Plant Biosecurity program are Kitty Cardwell (202-401-1790, kcardwell@csrees.usda.gov) and Ed Kaleilau (202-401-6030, ekaleilau@csrees.usda.gov).

Within the NRI Program, there are several under exploited opportunities that bear consideration. These include Conference Grants and the Research Career Enhancement Grants (Sabbatical Awards). Finally, applicants are strongly encouraged to review Part 2, Section D of the RFA that outlines the current NRI and USDA strategic objectives to make sure their applicators are aligned with these overarching strategic goals.

The Pulling Together Initiative (PTI)

On July 22, the National Fish and Wildlife Foundation released their RFP for projects that will begin in 2005. This program uses funds provided by a number of different federal agencies to provide modest grants for local weed management efforts. Overall, the goals of PTI are to prevent, manage, or eradicate invasive and noxious plants through public/private partnerships and to increase public

awareness of the adverse impacts of invasive and noxious plants.

In 2004, PTI awarded \$1.3 million to 45 different projects across the country with grants ranging between \$8,700 to \$57,750 and most grants in the range from \$10,000 to \$30,000. Pre-proposals for the program are due on October 29, 2004, and full proposals must be submitted by **November 15, 2004**. For information about application deadlines program priorities, and detailed application procedures, go to the website at <http://www.nfwf.org/programs/pti.htm>. For further information, contact Jonathan Mawdsley at jonathan.mawdsley@nfwf.org or 202-857-0166.

Crop Protection Research Grant Proposals Sought by EPA Region Three

On September 1, the EPA Region 3 (Delaware, Maryland, Pennsylvania, Virginia, West Virginia) announced an RFP for Crop Protection grants under its "Food Quality Protection Act (FQPA) Strategic Agricultural Initiative Program." A total of \$200,000 will be awarded under this program that will support "innovative efforts that enable growers to decrease reliance on agricultural pesticides while maintaining economical outcomes, by developing, demonstrating and/or applying reduced risk alternatives and ecologically based integrated approaches to pest management." The deadline is October 29, 2004, and the full RFP is posted at: http://www.epa.gov/reg3wcmd/pdf/pesticides04RFP_Final.pdf

Although the above RFP is specific to EPA Region 3, other EPA regions have had similar regional grant programs. The following website lists all active EPA opportunities: http://www.fedgrants.gov/Applicants/EPA/OGD/postdate_1.html and it may be worthwhile to scan this site periodically or sign up for announcements. Among the other projects currently listed are: [Performance Verification Testing of Monitoring Systems for Air, Water, and Soil](#), Funding Opportunity Number: EPA-ORD-24315; [National Pesticide Information Center & National Pesticide Medical Monitoring Program](#), Notice of Funds Availability, Funding Opportunity Number: EPA-GRANTS-082504-001 and

Continued on next page

Washington Report continued...

Assessment of Atrazine in Agricultural Watersheds in Kentucky, Funding Opportunity Number: RDG4-APTMD-06-04.

National Invasive Weed Awareness Week (NIWAW 6)

As part of NIWAW 6 which will be held in Washington, DC from February 27 to March 4, 2005, there will be a grant opportunity workshop as part of the overall briefing provided by USDA. Hilda Diaz Soltero, the USDA Invasive Species Coordinator has asked each USDA agency to update NIWAW participants on the full range of invasive weed research and management funding opportunities available through USDA agencies. More information on NIWAW 6 will be posted at http://www.nawma.org/niwaw/niwaw_index.htm as plans are finalized.

Invasive Species Advisory Committee (ISAC) Appointments Completed

In late July, the National Invasive Species Council completed selection of new members and the weed science community is well represented. Although Randall Stocker has stepped down as both Chairman and as a member of the committee, the aquatic weed community will be well represented by Jeff Schardt of the Florida Department of Environmental Protection. Jeff brings many years of practical experience and a can-do attitude to this role. Returning members originally nominated by the weed science societies include Nelroy Jackson and George Beck. In addition, Sarah Reichard, a WSSA member from the University of Washington and Tim Carlson, Executive Director of the Tamarisk Coalition will also serve on the committee this term.

***Editors Note:** Since this September Washington News report, Rob Hedberg has informed us that S.144, the Noxious Weed Control Act of 2004, passed (in early October) the House of Representatives as an amendment to the Plant Protection Act of 2000. Senate acceptance of the changes made by the House and a Presidential signature are the two remaining hurdles.*

Because this bill was passed on the House of Representative's "Suspension Calendar" it had to

comply with the rules governing such votes, namely that the total cost of the bill must not exceed \$100 million over its lifetime. To comply with this constraint, the annual expenditures that are authorized had to be reduced to \$15 million rather than the \$100 million originally intended. This is still enormous progress. The people who came to Washington for NIWAW last February and helped focus attention on this bill deserve much of the credit for this progress. Let's hope for swift action in the Senate.

BASS-APMS Aquatic Plant Management Symposium

Gerald Adrian, APMS Liaison to BASS

The Aquatic Plant Management Symposium was held July 31-August 1 during the Bassmaster Classic in Charlotte, NC. Approximately 45 State Chief of Fisheries, BASS Federation Presidents and BASS Federation Conservation Directors attended the symposium. Most of the attendees were from the southeastern U.S. and the upper Midwest and Great Lakes areas. The response has been excellent and the speakers should be commended on an excellent job. Noreen Clough, BASS Conservation Director and Chris Horton, BASS Conservation Manager have expressed their thanks and appreciation for an excellent program. The response from the attendees has been 100% positive and we definitely had an impact on the "negative perceptions" concerning aquatic plant management that many of the fisherman attending had prior to the symposium.

Speakers at the symposium included: Dr. Bill Haller, University of Florida; Dr. Kurt Gelsinger, USACE; Dr. Mike Maccina, Auburn University; Dr. John Rodgers, Clemson University; Phil Durocher and Mark Webb, Texas Parks and Wildlife; Matt Phillips, Florida DEP; and Judy Miller, Lake Guntersville Stakeholders.

Symposium topics included: Lake Ecology and the Role of Aquatic Plants; Herbicide Use and Selectivity; Toxicology of Aquatic Herbicides; Texas Statewide Aquatic Plant Management Plan; The Texas Habitat Initiative; Impacts of Aquatic

Plants on Lake Users; and The Successes at Lake Guntersville. Also included was a "hands on" aquatic plant identification session. Thanks to the Florida DEP, Bill Haller, and others for providing plant specimens.

Most of the speakers had never before attended the Bassmaster Classic. This tournament showcases the best professional bass fisherman in the country and is often referred to as the "Super Bowl" of bass fishing. Activities included an outdoor show, entertainment, and a weigh-in extravaganza produced by ESPN. BASS provided open admission to all the events, making this quite an experience for everyone. Thanks to Noreen Clough, Chris Horton and BASS for their hospitality.

Chris Horton indicated that we would have additional opportunities to make similar presentations at the regional and state levels in the future. When aquatic plant management plans are made, BASS Federation members as well as BASS (Chris Horton) can help direct the position of local BASS fishermen so that they can be part of the solution instead of creating issues that are based on "false perceptions."

Chris is also committed to continuing the communication with the APMS so that we can work closer with BASS fishermen on aquatic plant management issues. This can only reduce the "friction" between the aquatic plant management community and fishermen. As a part of this commitment, Chris will make a presentation during the Midsouth APMS meeting in Mobile.

BASS will continue to publish articles in Bassmaster Magazine and Basin Times on aquatic plant management to help educate their members. Two articles appeared earlier this year in Bassmaster Magazine including "Success at Guntersville" and "Controlling Lake Seminole Grass." Robert Montgomery, senior conservation writer for BASS wrote both articles.

Overall, the BASS-APMS Aquatic Plant Management Symposium was a huge success and we have a unique opportunity to continue this

positive relationship with BASS in the future. Speaking of BASS, the fall "feeding frenzy" is about to begin here in Pennsylvania, so I better get going!

WSSA Undergraduate Research Award - 2005

The Weed Science Society of America (WSSA) has developed an Undergraduate Student Research Grant designed to encourage and involve exceptional undergraduates in agricultural research. Interested faculty members are encouraged to identify potential award candidates and discuss the possibility of sponsoring a research project. Awards may be used as a stipend, for research budget expenses (travel, supplies, etc.), to defer fees, to defray living expenses for summer research, or any combination of these items.

AWARD: Up to \$1000 for support of undergraduate research to be conducted over a minimum of one quarter/semester during 2005. This award may be used to defray the cost of research supplies or as a stipend. Support of a faculty sponsor is required. Awards will be made to the student, to be administered by the faculty sponsor's department.

APPLICANT: The applicant is an undergraduate student with a strong interest in weed science. Students majoring in all related disciplines may apply.

TO APPLY: Applicants should prepare a 2-3 page research proposal including name, address, phone number, title, objective, experimental approach, discussion, budget and references. The discussion section of the proposal should describe the expected results and their possible significance to Weed Science. The student should provide a cover letter in which general academic and career goals are discussed. A copy of the student's academic transcripts should also be provided.

Continued on next page

WSSA Research Award continued...

FACULTY SPONSOR: Any faculty member who is actively engaged in Weed Science research is qualified to be a sponsor. The faculty sponsor should review the research proposed with special attention to the budget; the distribution of funds should be approved by both the student and the sponsor. In addition, the sponsor should provide a letter of reference including a statement of his/her willingness to supervise the proposed research and to provide needed space, equipment and supplies above those requested in the proposal. The sponsor is encouraged to assist the student in presenting his/her results at a regional Weed Science Meeting.

HOW TO APPLY: The completed proposal, academic transcripts, cover letter and faculty letter of support should be forwarded to: Dr. John Jachetta, Dow AgroSciences, 9330 Zionsville Road, Indianapolis, IN 46268-1054; Phone: (317) 337-4686, Fax: (317) 337-4649, E-mail: jjjachetta@dow.com. Proposals should be received no later than **November 15, 2004**. Funding decisions will be made by January 22, 2005 and presented at the 2005 WSSA National Meeting General Session.

Journal Sets For Sale

Complete sets of the *Journal of Aquatic Plant Management* (four issues are available as photocopies only) are still available for sale. Representing 40 years of research, the first JAPM was published in August of 1962, with the most recent issue being Volume 42, January 2004.

Sets are priced at \$250.00 + postage. The average cost of shipping to a U.S. address is \$20 (parcel post rate) and \$35-40 (economy rate) to an international address. The APMS Treasurer can accept check or credit card as payment.

To place an order or for more details, contact Linda Nelson at: (601) 634-2656 or E-mail: Linda.S.Nelson@erdc.usace.army.mil

Traveling Display Available For Your Next Event

Last year, the Education and Outreach Committee prepared a 54" by 54" poster for members to exhibit at conventions, public meetings, and other extension events. The colorful display discusses the APMS history and mission as well as the Society's four focus areas: aquatic plant problems, research, management, and education.

Two copies of the poster are available along with two tabletop displays. The APMS will pay for round trip shipping if necessary. A supply of APMS membership brochures and the education booklet entitled "Understanding Invasive Aquatic Weeds" will be included to use as handouts.

To reserve the display for your next meeting, contact Linda Nelson at 601-634-2656 or by E-mail at Linda.S.Nelson@erdc.usace.army.mil

You can preview the poster and membership brochure on the APMS web site at www.apms.org - click on "Other Publications"

Think Newsletter Deadline for March Issue February 25, 2005

Send Newsletter Material to:

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In Memoriam

Herbert J. Friedman

1918 - 2004

Founding APMS member and Past President, Mr. Herb Friedman, passed away in Tampa, FL, on August 12, 2004, at the age of 86. A long-time resident of Tampa, Herb was born in Mt. Vernon, New York. Herb attended the University of Illinois where he studied accounting. He also attended New York University and the University of Grenoble in France. After moving to Tampa in 1945, Herb founded Southern Mill Creek Products, selling agricultural supplies and equipment and also serving the mosquito and hyacinth control programs in the state of Florida. In 1983, he sold the company to Crompton & Knowles Corporation of New York City, now Crompton Corporation of Middlebury, CT. Active in many organizations, Herb served as President of the APMS in 1964 and remained an active member of the Society for many years. He was elected as an Honorary Member of the APMS in 1986. He is survived by his wife of 55 years, Nellye, his four children and nine grandchildren.

Paul C. Myers

1948 - 2004

The Aquatic Plant Management Society lost one of its strongest supporters on September, 19, 2004. We will never forget his ever present smile, eternal optimism and the fun he had supporting and participating in scholarship raffles, silent auctions and Society annual meetings. Plagued by a rare, slow-growing cancer, he endured several surgical procedures and we recall at least twice, we sent him cards and an APMS delegation visited him during the annual meetings, most recently during the 2004 Tampa meetings. In recognition of his friendly smile and always making one feel welcome, the APMS presented to Paul the Max C. McCowen Friendship Award at the San Diego meeting in 2000.

Paul's professional contributions to aquatic plant management may not be as well known due to his modesty and laid back nature. His first aquatic plant management responsibilities began with Polk County Environmental Services (1977) where he directed the control of aquatic weeds in the numerous Polk County lakes. He developed novel water posting techniques with a flag system. He worked with trailing hoses, granular products and successfully kept invasive plants under maintenance control in State/County waters. In 1981, he founded Applied Aquatic Management, Inc., and took on the challenge of algae, melaleuca and all the other weeds that occur in private/public waters. He was largely responsible for developing the melaleuca "selective treatments" where trees were hacked (bark removed) and treated individually with dye and herbicide.

He shared his information and experience with all of us. How many new public and private applicators has he advised and assisted? How many students and research biologists benefitted from discussing issues with Paul? He taught us all how to be optimistic and think of every day as a great day. His hunting, fishing and travel tales will be missed, but the lessons he taught us will be with us forever.

Contributions in Paul's name can be made to the FAPMS Scholarship Fund, c/o Don Doggett, FAPMS Scholarship Foundation, P.O. Box 60005, Ft. Myers, FL 33906 -or- to the First Baptist Church of Lake Alfred, 280 E. Peirce Street, Lake Alfred, FL 33850.

➤ 2004 - 2005 CALENDAR OF EVENTS ➤

November 1-4, 2004

American Water Resources Association Annual Conference
Orlando, Florida
<http://www.awra.org/meetings/Orlando2004/index.html>

November 3-5, 2004

North American Lake Management Society
Victoria, British Columbia
www.nalms.org

November 8-10, 2004

Third International Spartina Conferences
San Francisco, California
<http://www.spartina.org>

December 6-10, 2004

First National Conference on Ecosystem Restoration
Lake Buena Vista, Florida
<http://conference.ifas.ufl.edu/ecosystem/>

January 17-19, 2005

Northeast Aquatic Plant Management Society
Saratoga Springs, New York
www.neapms.org

February 7-10, 2005

Weed Science Society of America Annual Meeting
Honolulu, Hawaii
www.wssa.net

March 5-7, 2005

Midwest Aquatic Plant Management Society
Indianapolis, Indiana
www.mapms.org

March 10-11, 2005

Western Aquatic Plant Management Society
Denver, Colorado
www.wapms.org

July 10-13, 2005

45th Annual Meeting, Aquatic Plant Management Society
San Antonio, Texas
www.apms.org

Welcome New Members...

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

Cary Martin, Winter Park, FL
Jacolyn Bailey, Poland ME
Annie Philip Jacob, Columbus, OH
Margaret Lyn, New Orleans, LA
Joshua Cheshier, Chehalis, WA
Scott Schuler, Folsom, CA
Susan Wilde, Charleston, SC
Andre' Trevizoli Martins, San Paulo, Brazil
Ryan Wersal, Mississippi State, MS
Jerry Lewis, Lancaster, PA

Jack Hartrim, Jacksonville, FL
John Jones, Milano, TX
Tony Gallegos, Newton, NC
Kathleen Haggard, Baton Rouge, LA
Ed Spanopoulos, Valparaiso, IN
Peter Rethans, Patterson, CA
Annamarie Mangum, San Marcos, TX

2004-2005 APMS Officers, Directors, Committee Chairs and Special Representatives

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President	Eric P. Burkemeyer	(704) 883-8833	charkemeyer@cyngetenterprises.com
Immediate Past President	Ken L. Manuel	(704) 875-5424	kmanuel@duke-energy.com
President Elect	Jeff Schardt	(850) 245-2815	jeff.schardt@dep.state.fl.us
Vice President	Donald W. Doggett	(239) 694-2174	doggett@lchcd.org
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Director	John H. Rodgers, Jr.	(864) 646-2960	jroddger@clcmson.edu
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Director	Michael D. Netherland	(352) 392-0335	mdnether@ifas.ufl.edu
Director	John H. Rodgers, Jr.	(864) 656-0492	jroddger@clcmson.edu

<u>Committee</u>	<u>Chair</u>	<u>Telephone</u>	<u>E-Mail</u>
Bylaws and Resolutions	Jim Schmidt	(800) 558-5106, ext. 305	jimschmidt@appliedbiochemists.com
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Finance	Richard Hinterman	(810) 744-0540	cyngetent@aol.com
Legislative	Mark Mongin	(317) 216-8312	markm@sepro.com
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Membership	Angela Poovey	(601) 634-3542	pooveya@wes.army.mil
Nominating	Ken L. Manuel	(704) 875-5424	kmanuel@duke-energy.com
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Program	Jeff Schardt	(850) 245-2815	jeff.schardt@dep.state.fl.us
Publications	Michael D. Netherland	(352) 392-0335	mdnether@ifas.ufl.edu
Regional Chapters	Donald W. Doggett	(239) 694-2174	doggett@lchcd.org
Scholastic Endowment	Shaun Hyde	(860) 651-5583	shaunh@sepro.com
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Web Site	Mike Grodowitz	(601) 634-2972	grodowm@wes.army.mil
Ad-hoc Strategic Planning	John Rodgers, Jr.	(864) 656-0492	jroddger@clcmson.edu

Special Representatives

B.A.S.S. Representative	Gerald Adrian	(610) 594-1948	gerald.adrian@ceerexagri.com
C.A.S.T. Representative	Jim Petta	(830) 625-4335	jim.petta@syngenta.com
N.A.L.M.S. Representative	Mark D. Sytsma	(503) 725-3833	sytsman@pdx.edu
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
Director of Science Policy	Rob Hedberg	(202) 408-5388	robhedberg@erols.com

Visit the APMS WEB SITE

<http://www.apms.org>

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

THE AQUATIC PLANT MANAGEMENT SOCIETY, INC.

The Aquatic Plant Management Society, Inc. is an international organization of scientists, educators, students, commercial pesticide applicators, administrators, and concerned individuals interested in the management and study of aquatic plants. The membership reflects a diversity of federal, state, and local agencies; universities and colleges around the world; corporations; and small businesses.

Originally The Hyacinth Control Society, Inc. when founded in 1961, The Aquatic Plant Management Society, Inc., is a respected source of expertise in the field of biological, mechanical, and chemical aquatic plant management and aquatic plant sciences. The Society has grown to include several regional and state chapters. Through these affiliates, annual meetings, newsletters, and the *Journal of Aquatic Plant Management*, members keep abreast of the latest developments in the field.

The objectives of the Society are to assist in promoting the management of nuisance aquatic plants, to provide for the scientific advancement of members of the society, to encourage scientific research, to promote university scholarship, and to extend and develop public interest in the aquatic plant science discipline.

Send this form to:

*Aquatic Plant Management Society, Inc.
Post Office Box 821265
Vicksburg, MS 39182-1265*

Application for Membership

Name of Applicant _____

Current Title and Business or Institution Name & Address _____

_____ Zip Code _____

Phone _____ Fax _____ E-mail _____

There are three regular classes of membership available to applicants, according to the Charter of our Society which was adopted in 1961. These membership classes are:

ACTIVE MEMBERSHIP	\$ 50.00
STUDENT MEMBERSHIP	\$ 20.00
COMMERCIAL SUSTAINING MEMBERSHIP	\$ 500.00

Each of these membership classes provides an individual (Active or Student) or an organization (Commercial Sustaining) a single vote in society elections, and single copies of both the Journal and the newsletter. In addition to these membership classes, the Society also provides a Subscription Membership class for those wanting to be added to the mailing list for the Journal only (i.e., Libraries). This class does not include the newsletter, nor are subscribers allowed to vote in Society elections.

LIBRARY SUBSCRIPTION \$ 100.00 (2004 rate)

AMOUNT OF REMITTANCE \$ _____ (Make checks to APMS, Inc.)

Please check the following to request additional information on APMS regional chapters:

<input type="checkbox"/> Florida APMS	<input type="checkbox"/> Mid-South APMS	<input type="checkbox"/> Midwest APMS	<input type="checkbox"/> Nile Basin APMS
<input type="checkbox"/> South Carolina APMS	<input type="checkbox"/> Western APMS	<input type="checkbox"/> Texas APMS	<input type="checkbox"/> Northeast APMS
<input type="checkbox"/> Brazil APMS			

The Aquatic Plant Management Society, Inc.
P.O. Box 821265
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