



# Aquatic Plant News

A Newsletter of The Aquatic Plant Management Society, Inc.  
P.O. Box 821265, Vicksburg, MS 39182-1265  
LeeAnn Glomski, Editor

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## San Antonio, Texas—Site of our 53<sup>rd</sup> Annual Meeting

The 53<sup>rd</sup> Annual Meeting of the Aquatic Plant Management Society will be held July 14-17, 2013 at the Westin Riverwalk in San Antonio, Texas. Our host hotel is adjacent to the world famous San Antonio River Walk. The eight mile River Walk is a long linear park, beautifully landscaped, with great sidewalks. The less congested places are perfect for serious exercising or romantic strolls. As I understand



it, here are the top five things you must do on the River Walk: 1) **Eat, Drink & Be Merry**, over fifty restaurants, bistros, cafes, clubs, bars -- most with quaint [outdoor patios](#) line the River Walk, 2) **Land & Art Scapes**, explore the Museum Reach north of downtown, and watch for the [twelve art installations](#) on the river banks, 3) **Sunset Cruise**, lots of folks take a tour of the River Walk aboard a [river cruiser](#), but few know that you can take a [sunset taxi ride](#) from downtown along the Museum Reach to the Pearl Brewery, 4) **Secret Places To Shop**, over 60 stores hug the banks of the River Walk lagoon, and 5) **Run, Walk, Hike**, enjoy the masterpiece that weaves the city's past and future together.

The Society will continue to use a 2½ day format for the meeting. **The technical program will begin Monday morning and end around noon on Wednesday.** Our meeting will kick off with the 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 Monday evening Poster Session and Reception presents a great opportunity to examine posters and exhibits while enjoying great food and beverage. The APMS Awards 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. Special entertainment has also been lined up for our Banquet. These special events are free to all registered delegates, students, and guests. Non-registered guests may purchase individual tickets for these events at the registration desk.

## San Antonio, Texas—Site of our 53<sup>rd</sup> Annual Meeting

Hotel reservations can be made online at:

<https://www.starwoodmeeting.com/StarGroupsWeb/res?id=1211301551&key=11A7E>

or by calling the Westin Riverwalk directly at (210) 224-6500. When making your reservations by phone, be sure to mention that you are part of the Aquatic Plant Management Society. The cutoff date for reservations at the special group rate is **June 20, 2013**. Our special APMS guest room rate is \$159.00 for single and double occupancy per night plus applicable tax. These group rates are available three days prior to the conference and three days post conference. The Westin Riverwalk requires that all reservations be guaranteed with a major credit card or a deposit. Cancellations must be made 72 hours prior to arrival or you will be charged one night's room and tax. Check in time is 3:00 p.m. and checkout time is 12:00 p.m. If you choose to depart earlier than your reserved departure date, the hotel will charge one night room and tax.

This year, our spouses and guests will be treated to a tour of Alamo City. You will be picked up at the Hotel at 10:00 a.m. and will return by 3:00 p.m. Your tour will begin with a **narrative city driving tour** in route to the "Shrine of Texas Liberty"—**the Alamo**. The next stop will be a cool ride along the historical and famous **San Antonio River**. Sit back and enjoy listening to fun and historical information from your tour captain. Your final designation will be Market Square, known as **El Mercado** by the locals. Two blocks of shopping filled with everything from piñata's and poetry to colorful clothing and metal work, all the while being serenaded by a local Mariachi group. Lunch will be served at one the local favorite restaurants, the **Mi Tierra Café**.

The meeting registration fees are \$275.00 for a delegate and \$130.00 for a guest (spouse, partner, child over 12 years of age) if received by June 22, 2012. After this date, registration fees at the door will be \$330.00 for a delegate and \$155.00 for a guest. The meeting registration fee for a student competing in the student paper contest (oral or poster) is waived and the registration fee for a student not competing is \$75.00. Delegate and student registration includes all technical sessions, President's Reception, refreshment breaks, Poster Reception, and Awards Banquet. Guest registration includes President's Reception, refreshment breaks, Guest Tour, Poster Reception, and Awards Banquet. Non-registered guests may purchase individual tickets for these events.

The Westin Riverwalk, San Antonio, is located approximately eight miles south of the airport and is easily accessible by taxi, limousine, rental car or commercial shuttle service. Getting around the city is very convenient. Taxis, whether traditional or people-powered "pedicabs," are readily available. The downtown Trolley is a public transit system that offers transportation throughout the downtown area. Trolley tours that take you to the essential local sites are also available.

Would you like to be a Meeting Sponsor and assist the APMS in conducting an informative and successful meeting for the education, scientific, and operational advancement of aquatic plant management? Information on sponsorship is available on the APMS web site (apms.org), or contact Craig Aguillard (phone: 337-290-1096, e-mail: [caguillard@landolakes.com](mailto:caguillard@landolakes.com)). If you would like to exhibit at the annual meeting this year, please contact LeeAnn Glomski at (972) 436-2215 ext. 232, or by email [leeann@laerf.org](mailto:leeann@laerf.org), or visit the APMS website.

This is guaranteed to be an extraordinary meeting, so plan to attend and bring the family! Please help us in planning for the 53<sup>rd</sup> Annual Meeting by submitting the **Meeting Registration Form** enclosed in this newsletter by June 22, 2013.

Tommy Bowen, Meeting Planning Committee

## APMS Awards Committee Solicitation for Nominations for 2013

The APMS Awards Committee is soliciting nominations for the various awards bestowed upon individuals each year at our annual meeting. There are many deserving members, but they must be nominated for consideration. Please consider making a nomination. The awards are:

1. Honorary Membership—one of the Society's most prestigious awards, the criteria is delineated in our by-laws.
2. T. Wayne Miller Distinguished Service Award—recognition for “Service to the Society and the Profession”.
3. Max McCowen Friendship Honor—recognition given to a member whose demeanor and actions display sincerity and friendship in the spirit of being an ambassador for APMS.
4. Outstanding Graduate Student—a graduate student (or recent graduate) recognized for outstanding achievement during graduate studies in the field of aquatic plant management.
5. Outstanding Research and/or Technical Contributor Award—an individual (or team) recognized for a research project or technical contribution related to aquatic plant management that constitutes significant advancement to the field.
6. Outstanding International Contribution Award—an individual recognized for research and/or outreach activities that are international in nature.
7. Outstanding Journal of Aquatic Plant Management Article Award—recognition given to an author(s) for unique research published in the JAPM the previous year as determined by the Editor and Associate Editors.

All nominations must be supported by descriptions of the individual's accomplishments and/or service or publications merit. To nominate an individual for an award, please go to the Society's website. Under “Awards” click on “Nominations”. Procedures and criteria are delineated for each award, as well as the Nomination Form. The Awards Committee selects the final candidates from the nominees for each award. Then the BOD makes the final selection.

### All award nominations must be submitted to the Awards Committee by April 30.

Please send or e-mail your nomination to the Awards Committee Chair at the following address:

e-mail: [doggett@lchcd.org](mailto:doggett@lchcd.org)

Don Doggett

P.O. 60005

Ft. Myers, FL 33906

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## APMS Newsletter Update

APMS will no longer mail hardcopies of the newsletter to members who are not on our email distribution list. There are two options for those members currently receiving a hardcopy and wanting to continue receiving the newsletter:

1. Provide your email address to the newsletter editor ([leeann@laerf.org](mailto:leeann@laerf.org)).
2. View the newsletter on our website (<http://apms.org/>). Newsletters are published in March, June and October.

## APMS Announces Annual Student Paper Contests

The Aquatic Plant Management Society (APMS) is inviting student papers for the upcoming 53<sup>rd</sup> Annual Meeting of the Aquatic Plant Management Society. The meeting will be held July 14-17, 2013 at the Weston Hotel on the Riverwalk in San Antonio, Texas. Oral and poster presentations of original research on the biology or ecology of aquatic and wetland plants, control methods (biological, chemical, cultural, mechanical) for invasive exotic or nuisance native plant species, and restoration projects involving wetland or aquatic plants are solicited. There were 13 student presenters (4 posters, 10 oral presentations) from 8 different Universities at the 2012 Salt Lake City meeting and we want to surpass those numbers at this year's meeting!

The APMS has a strong ethic of student support. The society will provide all qualified attendees room accommodations (based on double occupancy) and complimentary registration. In addition, 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place prize money will be awarded in separate contests for both oral and poster presentations. This meeting presents an opportunity for students to develop their presentation skills, learn about the field of aquatic plant management, and network with key Government, University, Industry representatives and peers with similar educational and professional interests.

Please log on to <http://apms.org/> to learn more about the Aquatic Plant Management Society and this year's meeting. Students may register using the form on page 5 and submit an abstract by following the instructions below.

For more information please contact the APMS Student Affairs Chair, Dr. Rebecca Haynie at [hayniers@uga.edu](mailto:hayniers@uga.edu) or (843) 991-8069.

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## Second Call for Papers

You are invited to submit a title and abstract for the 53<sup>rd</sup> Annual Meeting of the Aquatic Plant Management Society to be held July 14-17th, 2013 at the Westin Riverwalk in San Antonio, Texas. Presentations on all aspects of aquatic plant management, biology and ecology will be considered. Oral presentations will be allotted a total of **15 or 20 minutes**. A poster session is also scheduled.

An LCD projector/computer and a laser pointer will be available for oral presentations. Only PC-based PowerPoint presentations will be accepted. Free-standing display boards (4' by 4') will be provided for velcro-backed posters. You will be required to submit a CD or flash drive with your final PowerPoint presentation upon registration. *Note: All presentations that include externally run programs, models, or special animation must be reviewed and approved by the Program Chair prior to the meeting. You will not be able to set up a personal computer to run your presentation.*

Please go to the WSSA Title and Abstract Submission System at <http://WSSAbstracts.com> to submit your information online. You will receive a confirmation email to indicate that your title and abstract have been uploaded.

If you have any questions, please contact the Program Chair, Dr. Michael Netherland at [mdnether@ufl.edu](mailto:mdnether@ufl.edu) or 352-392-0335



## Washington Report

### **Most Farm Bill Provisions Extended Nine Months**

In the strangest New Year's Day since I've been working in Washington, DC, the House and the Senate were both in session. Congress managed to compromise on fiscal cliff legislation to avoid an economic meltdown. Buried deep within the "American Taxpayer Relief Act" were provisions extending most Farm Bill programs through Sep. 30, 2013.

Two research programs whose legislative authority expired in 2012 were the Specialty Crop Research Initiative and the Organic Agriculture Research and Extension Initiative. Both programs were 'revived' in the farm bill extension legislation that provided them \$100 million and \$25 million, respectively, for 2013. Most biomass research programs in the energy title were extended as well. In the conservation title, however, the Wetlands Reserve Program and the Grassland Reserve Program were not reauthorized.

The 113<sup>th</sup> Congress, sworn in on Jan. 3, 2013, will be responsible for reintroducing and passing legislation for a 2013 Farm Bill that would reauthorize programs for five years. However, don't expect to see any Farm Bill legislation in the next couple months as Congress will be focused on sequestration and the debt limit ceiling issues that were not resolved in the fiscal cliff compromise.

### **New Ag Appropriations Committee Chairman**

With the new Congress, comes new chairman of both the House and Senate Agriculture Appropriations Subcommittees. On the House side, Rep. Bob Aderholt from Alabama's 4<sup>th</sup> Congressional District will take over as chair from Jack Kingston of Georgia. Rep. Aderholt will be serving in his 9<sup>th</sup> term from northern Alabama and served as chair of Homeland Security Approps in the 112<sup>th</sup> Congress. Prior to his election to Congress, Aderholt served as an aide to Governor Fob James and as a Municipal Judge in Haleyville, Alabama. Educated through Alabama's public school system, Aderholt went on to graduate from Birmingham Southern College and from the Cumberland School of Law at Samford University.

On the Senate side, Sen. Herb Kohl from Wisconsin has retired from Congress after 24 years in office. That leaves the Senate Ag Approps Subcommittee chair open. As of press time, the Senate Appropriations committee had not officially named its twelve appropriation subcommittee chairs, but a likely replacement for Kohl is Sen. Tim Johnson from South Dakota.

There will also be a few changes on the authorizing side of ag policy in the next Congress. Most notable is that Sen. Thad Cochran from Mississippi will take over as Ranking Member on the Senate Ag Committee for Pat Roberts of Kansas. Sen. Cochran previously served as Chair of the Senate Ag Committee from 2003-2005 before going on to serve as Chair and Ranking Member of the full Senate Appropriations committee.

On the House Ag Committee, while Chairman Lucas (OK) and Ranking Member Peterson (MN) will remain the same, there are a number of new subcommittee chairs and ranking members. Most notably is new subcommittee chair Austin Scott from Georgia, who will have jurisdiction over research, education and extension, biotechnology, horticulture, pesticides and organic agriculture. Rep. Scott is in his second term as a Congressman. He graduated from the University of Georgia with a B.B.A. in Risk Management and Insurance, and owned and operated an insurance brokerage firm for nearly twenty years before his election to Congress in 2010.

## Washington Report Continued

### **Administrator Jackson Leaves EPA**

EPA Administrator Lisa P. Jackson announced she is leaving EPA, about a month after it was revealed she was using an alias email account to conduct official business. Jackson used a private email under the alias “Richard Windsor” to correspond with EPA colleagues, a decision her staff defended by saying that her official email account received too many messages for her to use it efficiently. Jackson spearheaded efforts to begin regulating greenhouse gas emissions, including setting new standards to clean up mercury and other toxic emissions from coal power plants, and established new fuel economy standards for motor vehicles.

Quick Senate confirmation of any successor appears unlikely, given that Republicans have long complained that Jackson’s aggressive approach to the job has hampered business and impeded job creation. Obama will be under pressure from his own party to name someone acceptable to environmentalists, but Republican senators and some Democrats from coal- and oil-producing states are likely to oppose confirming an activist to succeed Jackson.

In the mean time, EPA Deputy Administrator Robert Perciasepe will take over as acting administrator when Jackson steps down after the State of the Union address, assuming that a successor has not been named and confirmed by the Senate.

### **EPA Considering Invasive Weeds as Biofuel Crops**

EPA has been working on finalizing a rule which would allow fuel made from two known noxious weeds, *Arundo donax* (giant reed) and *Pennisetum purpureum* (napier grass or elephant grass), to count toward federally-mandated renewable fuels targets. The WSSA is opposed to the current proposed rule and has been working with other stakeholder groups to prevent the rule from becoming law. We need more research on *Arundo* and *Pennisetum* before incentivizing their production, otherwise the U.S. will make the same mistake it did in the 1930’s when it used taxpayer dollars to fund kudzu plantings across the south.

In October, more than 200 scientists from across the country, including many weed scientists, sent a letter to the Obama administration urging them to rethink their approach to potentially invasive plants grown for bioenergy. The National and Regional Weed Science Societies were also signatories on a letter to the Office of Management and Budget (OMB), which is reviewing the EPA proposed rule. Under Executive Order 13112 (regarding invasive species), EPA should not provide production incentives for high risk feedstocks such as *Arundo donax* without determining that the benefits “clearly outweigh” the costs.

If OMB moves forward with releasing the rule, we requested to see a complete assessment of the costs and benefits, as outlined in Executive Order 13112. Additionally, if EPA approves *Arundo donax* and similarly high risk feedstocks, we believe that the rule must include – at the very minimum— guidelines on stringent best management practices to reduce the risk of escape. These guidelines should be written with the guidance of the National Invasive Species Council and relevant federal agencies.

### **President’s Science Advisors Recognize the Importance of 21<sup>st</sup> Century Pest Management Challenges**

The President’s Council of Advisors for Science and Technology (PCAST) recommended to the President that the U.S. increase its investment in agricultural research by a total of \$700 million per year. This report has been in the making for a couple years and is really the first significant report on agriculture ever done by PCAST.

The link to the report is at:

[http://www.whitehouse.gov/sites/default/files/microsites/ostp/pcast\\_agriculture\\_20121207.pdf](http://www.whitehouse.gov/sites/default/files/microsites/ostp/pcast_agriculture_20121207.pdf)

## Washington Report Continued

The \$700 million per year recommendation is broken down as follows:

- \$180 million for new graduate and post-doctoral fellowships;
- \$235 million for new competitively funded research at USDA AFRI;
- \$130 million for basic research at NSF; and
- \$150 million for new public-private institutes.

The most positive aspect of the report is the challenges they listed for 21st century agriculture:

**Managing new pests, pathogens, and invasive plants.**

Increasing the efficiency of water use.

Reducing the environmental footprint of agriculture.

Growing food in a changing climate.

Managing the production of bioenergy.

Producing safe and nutritious food.

Assisting with global food security and maintaining abundant yields

As you can see, weed science pretty much fits into all those challenges, especially their #1 challenge. However, it's not all peaches and cream as the report "recommends that the focus of USDA research funding shift toward competitive grants, gradually rebalancing the research portfolio for intramural funding and funding for land grant institutions to incorporate incentives for innovation consistent with other research agencies across the Federal Government." In other words, they don't like capacity funds that support the Ag Experiment Stations and Cooperative Extension, or USDA-ARS funding.

The National and Regional Weed Science Societies are opposed to any shifts in funding towards competitive grants that results in cuts or reductions in capacity funds. Our position has been to support funding for both intra-and inter-mural USDA research, extension, and education. There seems to be a bias in the report that competitively funded research in other federal agencies somehow produces more innovation and that USDA's research funds allocated through non-competitive means is somehow inferior. Yet few would argue that USDA's funding for research, education and extension has been an unparalleled success for food and ag production. If you are aware of any peer-reviewed, credible studies that have actually demonstrated otherwise, please let me know.

Lee Van Wychen, Ph.D.

Science Policy Director

National and Regional Weed Science Societies

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Alexandria, VA 22303

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cell: 202-746-4686

[www.wssa.net](http://www.wssa.net)

## Website Committee Update

The new website has been launched! In early 2012, The Aquatic Plant Management Society requested proposals from companies to host and maintain the webpage. At the annual meeting in Salt Lake City, the contract for the webpage was awarded to AgRenaissance (now APEX WebStudio LLC). Over the past several months the website committee has been working with designers and programmers from APEX WebStudio to move the site to a new hosting location, and to implement a new design and look for our site. The result is a completely new site with a new search function, new archiving capabilities, new organizational format, and many other behind the scenes upgrades.

The site will continue to undergo some construction and modifications to finalize some new projects such as incorporating the Blog into the new site, and the creation of member profiles where each APMS member will create and manage their own profile online. This will allow access to member only content and allow individual members the opportunity to manage their own information. Also, there will be an online payment function added in the near future so that memberships, meeting registrations, sponsorships, etc. can be paid for via credit card online.

Please take an opportunity to look through the new site and offer any comments/suggestions to the website committee. This will help find things that were missed during the migration and reconstruction of the site, and your continued input will only help make the site better.

So check out the new site at <http://apms.org/>

Please send any comments or suggestions to:

Ryan Wersal  
[ryan.wersal@lonza.com](mailto:ryan.wersal@lonza.com)



## The APMS Blog has moved to the newly redesigned APMS website.

The APMS Blog aggregates aquatic plant management news items from around the country to help better inform the membership on current APM issues at a regional and nationwide scale.

The e-mail address for contributing news to the APMS blog is [apmsblog@gmail.com](mailto:apmsblog@gmail.com)

## The Aquatic Plant Management Society on LinkedIn

The APMS group has a discussion board, jobs board, and membership list and is open to all individuals interested in aquatic plant management issues. So long as the discussions remain polite, all membership and postings will be open. Search for the Aquatic Plant Management Society group under the Groups Directory in LinkedIn. <http://www.linkedin.com>

## WSSA Press Release: Scientists Recommend Banishing Dangerous Aquatic Weed From Water Gardens

If you are tempted to purchase a lovely specimen of crested floating heart (*Nymphoides cristata*) for your backyard water garden, you might want to reconsider. While this plant is marketed as an ornamental lily, experts from the Weed Science Society of America (WSSA) say it can be a real nuisance if it escapes its intended home – impacting water supplies and hydropower production, disrupting natural ecosystems and impeding recreational activities such as boating, swimming and fishing.

Crested floating heart has highly invasive traits that are making it a major weed in Southeastern bodies of water. Despite intense control efforts, escaped plants have thrived in cypress swamps, lakes and water management canals across Florida since the late 1990s. By 2006 crested floating heart had made its way to South Carolina's Lake Marion, a large body of water sometimes characterized as an inland sea. In just two years, a 20-acre infestation ballooned to more than 2,000 acres. The latest estimates suggest it now covers 6,000 acres of the lake's surface.

"Despite the danger it represents, crested floating heart is still readily available online and through local garden stores," says Ken Langeland, Ph.D., University of Florida Center for Aquatic and Invasive Plants. "Until regulators address the problem by eliminating the source of supply, buyers are encouraged to beware."

Crested floating heart was introduced to the U.S. from Asia. It grows quickly and forms dense canopies that float along the surface of a body of water.

Unfortunately crested floating heart is also easily spread. Small plant fragments can be transported by wind, flowing water, boats and trailers. In addition, clusters of miniature plants called "ramets" can easily break away from established colonies of the plant to spread and take root elsewhere.

To date, scientists have found little in their aquatic weed toolbox to be effective in the battle against crested floating heart. Despite the large mass of leaves floating on the water surface, foliar herbicides, including those that work effectively on other floating-leaf aquatic weeds, have had little success. Weed-eating sterile grass carp don't like crested floating heart, and attempts at mechanical harvesting have actually spread the plant by breaking off small fragments. It has survived a lowering of water levels and even freezing temperatures.

In the absence of effective control measures, many communities have resorted to training volunteers to detect and report new infestations in the hope that the weed can be isolated and contained. They also caution water enthusiasts to clean boats and trailers carefully after navigating waters and shorelines that might be infested.

"It is clear that additional research is necessary to develop effective controls," Langeland says. "In the mean-



An infestation of crested floating heart in South Carolina.  
Photo courtesy of Larry McCord, Santee Cooper, Bugwood.org.

## WSSA Press Release Continued

time, it is important that each of us do our part to minimize the spread of crested floating heart. Buy native species for your water garden or those non-native species that have proven unlikely to become invaders. If you already have crested floating heart, remove it immediately and dispose of it far from any body of water."

### *Additional Background on Crested Floating Heart and Its Relatives*

- Crested floating heart reproduces vegetatively from tubers, daughter plants, rhizomes and small fragments.
- It features small white flowers that bloom from summer to fall.
- Each flower has five petals with ruffled crests that resemble a rooster's comb.
- Heart-shaped leaves float on the water's surface, supported by slender tuberous roots that are typically submerged in sediment.
- The plant can grow in shallow drainage ditches and along shorelines, but also has been found to thrive in 10 feet or more of water.
- Yellow floatingheart (*Nymphoides peltata*) and water snowflake (*Nymphoides indica*) are also known to be invaders.
- Big floatingheart (*Nymphoides aquatica*) and little floatingheart (*Nymphoides cordata*) are native to North America.

For further information on crested floating heart and other invasive species, visit [www.invasive.org](http://www.invasive.org).

### **Press Release Contact:**

Lee Van Wychen  
Director of Science Policy  
Weed Science Society of America  
[Lee.VanWychen@wssa.net](mailto:Lee.VanWychen@wssa.net)  
202-746-4686



The distinctive, crested petals of the crested floating heart plant.  
Photo courtesy of Leif Willey, University of Florida.

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## WSSA Pesticide Stewardship Series

WSSA has released six installments of the Pesticide Stewardship Series. Click on the topic of interest for more information.

1. [Safety begins at the point of sale](#)
2. [The pesticide buyer has important responsibilities](#)
3. [Hiring a pest management professional](#)
4. [The importance of reading the pesticide label](#)
5. [Restricted use pesticides require an extra level of care](#)
6. [Certification program fulfills an essential need for competent pesticide applicators](#)

## WSSA Offers New Fact Sheet on Weeds

The new fact sheet entitled “Bullies of the Plant World” was created by the WSSA Public Awareness Committee to illustrate the many unique characteristics of weeds and how they touch our lives. Examples from the fact sheet include:

- Weeds Growing by Leaps and Bounds. A four-inch shoot of hydrilla (*Hydrilla verticillata*) can grow by 3,200 inches in just 35 days.
- Weeds on the Move. Tiny seeds from horseweed (*Conyza canadensis*) have been known to travel 300 miles by air.
- Weeds that are Edible. Small nutlets found at tips of underground stems of yellow nutsedge (*Cyperus esculentus*) are edible and taste like almonds.

For more examples go to: <http://wssa.net/WSSA/Articles/WSSA-Facts-About-Weeds.pdf>

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## 2013 MidSouth Aquatic Plant Management Society Scholarship Opportunity

The MSAPMS is seeking applications for the 2013 graduate student scholarship to be awarded at the 2013 annual meeting. We request that the successful applicant attend the meeting and give a presentation, if possible. One scholarship of \$2,000 will be awarded to a qualified student applicant.

To apply, The Scholarship Committee should receive the following information before June 1, 2013:

1. A cover letter which includes the applicant's previous, current, and future relationship to the aquatic plant management industry, and a comment on the importance of the proposed research to aquatic plant management.
2. Copies of unofficial or official transcripts of undergraduate and any graduate work completed to date (these transcripts may be those issued directly to the student by the institution);
3. A letter from the student's major professor recommending the student for the scholarship, indicating that the student is currently enrolled and in good standing and has had their research proposal approved by their graduate advisory committee;
4. A copy of the approved graduate research proposal; and
5. One letter of recommendation, other than the major professor.

All submissions may be made with either hardcopy, addressed as below, or electronically via e-mail.

To enter an application or request more information, contact:

Dr. John D. Madsen  
Mississippi State University  
Geosystems Research Institute  
Box 9627  
Mississippi State, MS 39762-9627  
Ph. 662-325-2428  
E-mail. [jmadsen@gri.msstate.edu](mailto:jmadsen@gri.msstate.edu)

## Training Opportunity in Nebraska

The University of Nebraska-Lincoln is offering a North American Invasive Plant Ecology and Management Short Course on June 25-27 in North Platte. The three-day course will examine the principles of integrated weed management, herbicide modes of action, plant identification, biological control, GPS and remote sensing applications, and spatial distribution analysis of invasive plant species populations. The course cost is \$650 and the registration deadline is May 1. <http://ipscourse.unl.edu/>

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## 2013 South Carolina Aquatic Plant Management Society Scholarship Opportunity

The South Carolina Aquatic Plant Management Society is seeking applications for its annual Phillip M. Fields Scholarship Award. The Society intends to award a \$3,000 scholarship to the successful applicant in the fall of 2013. Scholarship funds may be used by the recipient to cover costs associated with education and research expenses. Eligible applicants must be enrolled as full time undergraduate or graduate students in an accredited college or university in the United States. Course work or research in an area related to the biology, ecology or management of aquatic plants in the Southeast is also required.

Applications must be received no later than June 1, 2013 and will be evaluated on the basis of relevant test scores (ACT, SAT, GRE, etc.), college grades, quality and relevance of course work or research, a proposed budget, information obtained from references, and other related considerations. Other factors being equal, preference will be given to applicants enrolled in Southeastern and South Carolina academic institutions. The successful applicant may be requested to present an oral report on research activities at the annual meeting of the Society. Application forms and additional information are available at <http://scapms.org/scapmsscholarship.htm>. Note: All application information is to be submitted electronically. Also, high school grades and transcripts are no longer needed.

Steven J. de Kozlowski  
Chairman, Scholarship Committee  
SCAPMS  
207 Canterfield Rd.  
Columbia, SC 29212  
803-600-7538  
[sdekoz2@gmail.com](mailto:sdekoz2@gmail.com)

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## APMS Promotional Information Available

The APMS has two tabletop displays and posters, suitable for presentation at conferences and stakeholder meetings. Also available are tri-fold membership brochures and an 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 one of the following:

Jeff Schardt: (850) 617-9420 or [jeff.schardt@myfwc.com](mailto:jeff.schardt@myfwc.com)

Terry Goldsby: (256) 582-9101 or [terryg@aquaservicesinc.com](mailto:terryg@aquaservicesinc.com)

## Calendar of Events

- Mar 25-27 [Western Aquatic Plant Management Society](#); Coeur d'Alene, ID
- Apr 21-25 [International Conference on Aquatic Invasive Species](#); Niagara Falls, Ontario, Canada
- May 6-9 [Aquatic Weed Control Short Course](#); Coral Springs, FL
- Jun 2-6 [Society of Wetland Scientists](#); Duluth, MN
- Jul 13-17 [Aquatic Plant Management Society](#); San Antonio, TX
- Aug 4-9 [Ecological Society of America](#); Minneapolis, MN
- Sept 16-18 [MidSouth Aquatic Plant Management Society](#); Tunica, MS
- Oct 28-31 [North American Invasive Species Management Association](#); Jackson Hole, WY
- Oct 30-Nov 1 [North American Lake Management Society](#); San Diego, CA

## River Management Society Journal — Invasive Species Issue

This issue is available for free online and includes articles on:

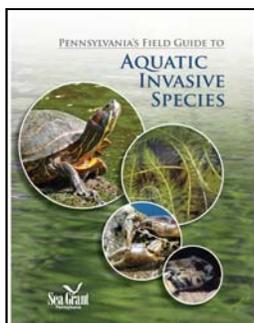
Controlling Invasive Species Along the Colorado River  
 Keeping Asian Carp Out of the Great Lakes  
 Invasive 50-pound Leaping Fish  
 Japanese Invasive in North Carolina  
 Invasive Applesnail in the South  
 Plus more...

To read the entire issue go to:

<http://www.river-management.org/assets/Journals-Newsletters/2012%20summer.pdf>



## Aquatic Invasive Species Field Guide for Pennsylvania



This AIS field guide is published by the Pennsylvania Sea Grant and can be downloaded for free:

<http://www.paseagrant.org/projects/pennsylvanias-field-guide-to-aquatic-invasive-species/>

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## ***Mission***

**The Aquatic Plant Management Society (APMS) strives to promote environmental stewardship through scientific innovation and development of technology related to integrated plant management in aquatic and riparian systems.**

**We're on the Web!**

<http://apms.org/>