



## **New Sign Reminds Boaters To Watch Out For Hitch-Hikers!**

Boaters will soon see a new sign at many South Carolina lakes that explains how to prevent aquatic plants and animals from taking a free ride from one lake to another.

Large, bright-yellow signs have been posted at boat landings on lakes and other waterbodies where nuisance species have been a problem.

The signs remind boaters to clean their boats, propellers and trailers thoroughly to avoid transporting aquatic plants and animals that may or may not be visible to the naked eye.

“Many exotic plant species reproduce by fragmentation and spread rapidly,” explained Chris Page, Prevention Coordinator for the DNR Aquatic Nuisance Species Program. “Unsuspecting boaters transport pieces of these plants on boats and trailers and then accidentally introduce them to a new waterbody.”

According to Page, “More than 60 South Carolina waterbodies have been treated to prevent the spread of nuisance aquatic plants. Signs will be posted at many of these sites to encourage boaters to help stop further spread of these exotic species.”

Non-native plants are responsible for most aquatic weed problems in South Carolina. The lack of natural controls allow these plant species to develop dense populations that choke out native species and obstruct public waterways. Some common problem-makers include hydrilla, water hyacinth and water primrose. The signs also warn boaters about zebra mussels. Although they are not here yet, South Carolina’s river systems and lakes are prime target areas for this nuisance species, which has already colonized in many river systems in the United States. Zebra mussels attach themselves to solid objects like rocks, dock pilings, boat hulls or water intake pipes. In large numbers, they pose a threat to industrial, agricultural and municipal water supplies and are a nuisance to boaters and anglers. The microscopic larvae can be transported in bilge water and cooling water in boat motors.

Zebra mussels look like small clams with a yellowish or brownish “D”-shaped shell, usually with dark- and light-colored stripes, which resemble “zebra” stripes. State natural resources officials stress that when a zebra mussel is found, it is important not to throw it back into the water. Instead, store it in rubbing alcohol and report the location of where the zebra mussel was found to the S.C. Department of Natural Resources at (803) 734-9100.

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*Phil Fields and Joe Dennis with  
SCDNR post new signs.*





## Kurilla And Edwards Win Scholarship Grant Award

Faced with two excellent candidates, the Board of Directors decided to split the \$2,000 annual scholarship grant, awarding \$1,000 to Mr. Paul Kurilla and \$1,000 to Ms. Adrienne Edwards.

“They were both very strong candidates and well deserving of assistance” explained Danny Johnson, Chairman of the Scholarship Committee. “We are just pleased to be able to provide them both with some financial assistance.”



***Paul Kurilla (right) receives \$1000 SCAPMS Scholarship Grant at Annual Meeting.***

Paul Kurilla is an undergraduate student working toward a B.S. in Fisheries and Wildlife Science at North Carolina State University. Under the direction of Dr. Richard Noble, he is working on a project entitled “Evaluating *Vallisneria* as

a potential species for revegetation of water bodies in the Carolina Piedmont region”. This project could provide useful

aquatic plant management information relative to establishing desirable plant species following the removal of undesirable species. Mr. Kurilla has also worked on aquatic weed projects with Dr. Stratford Kay.

Adrienne Edwards is a Ph.D. student in the Botany Department at the University of Georgia. She is conducting her doctoral research under the direction of Dr. Rebecca Sharitz at the Savannah River Ecology Laboratory. Her dissertation research is entitled “The population and metapopulation dynamics of the rare *Sagittaria isoetiformis* in Carolina Bays”. This research may provide valuable information on the protection and management of important wetland

plant communities.

The SCAPMS Scholarship Grant is awarded each year to qualified students throughout the nation.



## Savannah District Aquatic Plant Management Plan Released

The U.S. Army Corps of Engineers, which manages J. Strom Thurmond Lake, Richard B. Russell Lake, Hartwell Lake and the New Savannah Bluff Lock and Dam on the Savannah River, has released the 1998 Aquatic Plant Management Plan for these water bodies. The document reviews the affected environment, management alternatives, management strategies, and provides a summary of 1997 management activities.

Currently hydrilla occurs only on J. Strom Thurmond Lake. First identified in the fall of 1995, monocious hydrilla has spread to cover over 500 acres in the lower portion of the lake. The Corps treated approximately 115 acres in 1996 and about 316 acres (over half the total infestation) in 1997. Plans for 1998 call for the treatment of about 272 acres with one of two aquatic herbicides, Reward with K-TEA or Komeen.

This is the only known population of monoecious hydrilla in South Carolina. All other hydrilla infestations are the dioecious biotype.

For further information about the plan contact Allen Dean, Chief Ranger at 1-800-533-3478, ext. 1110.

## 1998 Meeting Calendar

Aquatic Plant Management Society  
Holiday Inn Crowne Plaza  
Memphis, TN  
July 12-15, 1998  
Contact: David Spencer 916-752-1096  
dfspencer@ucdavis.edu

South Carolina Aquatic Plant  
Management Society  
Litchfield Beach & Golf Resort  
Litchfield, SC  
August 26-28, 1998  
Contact: Tommy Bowen 704-875-5422  
twbowen@duke-energy.com

Southeastern Lakes Management  
Conference  
Radisson Plaza Hotel  
Orlando, FL  
April 15-18, 1998  
Contact: Carey Cordell 407-880-6334  
carey@magicnet.net

Florida Aquatic Plant Management  
Society  
Cocoa Beach Holiday Inn Surfside  
Cocoa Beach, FL  
October 13-15, 1998  
Contact: Catherine Johnson 407-380-2024

MidSouth Aquatic Plant Management  
Society  
Guntersville State Park Lodge  
Guntersville, AL  
October 7-9, 1998  
Contact: Lewis Decell 601-636-7077

North American Lake Management  
Society  
Banff Springs Hotel  
Banff, Alberta, Canada  
November 10-13, 1998  
Contact: Brian Kotak, Symposium Chair  
kotak@compusmart.ab.ca  
www.biology.ualberta.ca/alms/1998.htm

Lake and Watershed Association of South  
Carolina  
Savannah River Ecology Laboratory  
Conf. Center  
October 24, 1998  
Contact: Karen Patterson 803-649-7963



## New Web Site @apms.org

Soon you will be just a click away from all the aquatic plant information you will ever want. The Aquatic Plant Management Society has established their new web site at <http://www.apms.org>.

Like all new sites, it's still in the construction phase, but it promises to provide easy worldwide access to our truly international parent organization. The site already includes a mission statement, list of officers, announcements, 1998 annual meeting information, membership form, and links to related sites. Links have already been established to the SCAPMS web site and the South Carolina Aquatic Nuisance Species Program site.

In time, this site should provide an excellent gateway to the diverse world of aquatic plant management.



## 20th Annual Meeting Back to the Beach

Get your shagging shoes on because we are heading back to the beach....in style. The Board of Directors have decided to hold our 1998 Annual Meeting...our 20th...at Litchfield Beach and Golf Resort on August 26-28.

Litchfield is located about halfway between Myrtle Beach and Georgetown and provides a great setting for contemplating the management of aquatic vegetation. All suite rooms are specially priced for the meeting at \$79 per night.

These special rates also apply if you plan to arrive a few days early or leave a few days later, so plan now to bring the family. To make early reservations call toll free at 1-800-845-1897. Tell them you are attending the SCAPMS Annual Meeting.

*We will have more meeting details in the next newsletter.*



## DuPont Forms Joint Venture With Griffin

DuPont Agricultural Products has announced that it has signed a letter of intent with Griffin Corporation to form a joint venture to produce and market standard crop protectants used by growers of cotton, fruits, vegetables and other specialty crops worldwide.

Final papers of the joint venture were signed in March and it will begin with about 1,000 employees. The joint venture will retain the Griffin name and will be based in Valdosta. Products will be marketed by the joint venture, as well as by DuPont in certain parts of the world where DuPont already has a strong market presence.

So, what does this all mean to managing aquatic plants? "Well it could mean some new products" says M.C. McLeod, sales representative for Griffin Corporation. "We plan to reevaluate Karmex and Mariner for use in aquatic systems. And if it all works out, lake managers will have two additional herbicides to choose from."



## WE THANK OUR SUSTAINING MEMBERS FOR THEIR SUPPORT



On behalf of the membership of the South Carolina Aquatic Plant Management Society, I would like to express our appreciation to the sustaining members of our society. Our sustaining members are usually businesses associated with aquatic plant management products or services. Their membership dues significantly assist in maintaining a solid financial foundation for our society and help sustain the many benefits provided to all of the members of the South Carolina Aquatic Plant Management Society.

A sound understanding of available technical products and services is fundamental knowledge needed by all successful aquatic resource professionals. This ever changing technical knowledge, provided to a great extent by the product representatives of our sustaining member organizations, is part of the continuing education in aquatic plant management facilitated by our Society. We thank our sustaining members for the strong partnership and support they continue to provide to the aquatic plant management professionals of the South Carolina Aquatic Plant Management Society.

*Jack Whetstone*, President SCAPMS



### Our Sustaining Members Are:



- American Cyanamid
- Applied Biochemists
- Aqua Pro Risk Management
- Aquatic Ecosystem Restoration Foundation
- Aquatic Nuisance Plant Control
- Aquatic Vegetation Control
- Brewer International
- Cygnets Enterprises
- Elf Atochem NA
- Future Horizons
- Griffin Corp.
- Helena Chemical Co.
- Marsh And Wetlands Assoc.
- Monsanto Corp.
- Myrtle Beach National
- Palmetto Aquatic Plant Management
- SEPRO Corp.
- Zeneca Professional Products



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## 1st Call For Papers

The Program Committee is accepting requests for presentations at the 1998 SCAPMS Annual Meeting. Papers covering all aspects of aquatic plant biology, use, and control will be considered. Student presentations are encouraged with possible cash prizes to be determined later. Those interested should contact the Program Chairman:

Dr. Stratford Kay  
NC State University  
919-515-5645  
919-515-5315 (fax)  
SKAY@cropserv1.cropsoci.ncsu.edu



## '97 Student Paper Contest Winners

The winners of the SCAPMS Student Paper Contest at the 1997 Annual Meeting were Chris Nietch (first), Paul Kurilla (second), and Michele Barry (third). All presentations were excellent this year, so selection of the top three was difficult.

The Society supports student paper contests at its Annual Meetings to encourage student attendance and participation. All contestants receive a copy of *Aquatic and Wetland Plants of South Carolina* and the first three places also receive cash prizes of \$100 for first, \$50 for second and \$25 for third.



## Message From The Editor

As announced in the last newsletter, the DNR has printed a new "Illegal Aquatic Plants of South Carolina" booklet to help the public, plant nursery personnel, and aquarium shop staff easily identify plants listed on the State Noxious Weed List. We have enclosed a copy of the publication for the membership to see first hand. If anyone needs additional copies contact Chris Page at (803) 734-9113.

Please note that we have added the Society's web site address to the top of the newsletter. Hopefully, this addition will make it easier for the members to access our web site without having to hunt down the address. I wish we could make it short and simple but that costs money.

WE NEED ARTICLES FOR THE NEXT NEWSLETTER! FAX OR EMAIL ARTICLES ON YOUR PROGRAM, EXPERIENCES, PRODUCT UPDATES, PROBLEMS, SOLUTIONS, Etc.. EVEN ARTICLE IDEAS WOULD BE APPRECIATED. THANKS FOR OUR HELP!

## South Carolina Aquatic Plant Management Society **N**ewsletter

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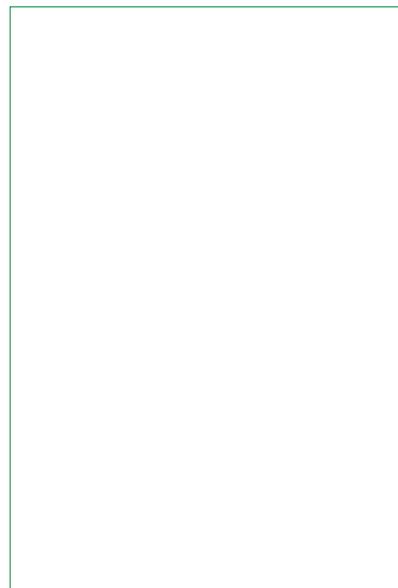
## 1998 State Management Plan Finalized

The Aquatic Plant Management Council has approved the 1998 Aquatic Plant Management Plan for South Carolina. The Plan includes 18 water bodies with control operations totaling \$653,509. Funding for aquatic plant management operations is provided from the Department of Natural Resources, the U.S. Army Corps of Engineers and 11 local sponsors.

The plan also includes summaries of control operations by year from 1981 through 1997. Last year a total of 4,054 acres on 21 lakes and rivers were treated at a total cost of \$459,783. Most herbicide treatments were focused on 2,181 acres of water hyacinth on six major waterways.

The final plan can be accessed on the Aquatic Nuisance Species Program web site at <http://water.dnr.state.sc.us/water/envaff/aquatic/index.html> or a copy of the complete plan can be obtained by contacting Bridget Leslie at the DNR Aquatic Nuisance Species Program at 803-734-9100 or by email at [leslie@water.dnr.state.sc.us](mailto:leslie@water.dnr.state.sc.us).

## FLASH BACK!



**Hydrilla Gorilla at '92  
Annual Meeting**

South Carolina  
Aquatic Plant  
Management Society **N**ewsletter

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