



Message from the President

Greetings from the "Presidential Palace" north of the border! I want to extend this sincere message of appreciation to all of you for placing your confidence in me and providing me with the honor to serve as your President for 1998-99. This past year has been another one of those trying times, in some respects, particularly as Mother Nature again saw fit to interfere with the plans for our annual meeting. In spite of the hurricane, we had an outstanding program due to the individual sacrifices of so many of our members. I want to extend special thanks to Jack Whetstone for the leadership he has provided as our President, to our Officers and Directors who have kept us focused on our mission, to our Sustaining Members and Corporate Sponsors for their continuing support, without which our Society would not be, and to all of you who have so unselfishly contributed your time and energy to make 1998 another great year for the South Carolina Aquatic Plant Management Society. Special gratitude also is due Malynn Fields for the terrific art work she provided for our new T-shirts. I challenge you all to take a moment whenever you can to thank those who have contributed to the continued success of our Society.

Last year saw the 20th anniversary of SCAPMS. Anno Domini 1999 makes us 21 years old - does this mean we've finally come of age? This year also sees us embarking on the close of the century and the millennium. What new faces will we see among us? What challenges will the new millennium bring? New weed problems, new legislation, Presidential Orders, changing missions of federal and state agencies, more and more unenlightened city-bred politicians, increasing pressure from the public and environmental organizations, and other issues we would not have imagined only a few years ago now are looming on the horizon.

Over the past several months, *Salvinia molesta* was found in several states from North Carolina to Florida and west to Texas and Arizona, with a few stops in between. As this and other new weeds are introduced willy nilly by those concerned only with making a buck, as well as by those who have good intentions but lack knowledge, more diligence and effort will be required of aquatic and wetland plant specialists to intercept potential problems before they become real problems and to provide the educational materials and opportunities needed to enlighten the public and our lawmakers. Our opponents are many and strong. Success in our mission will depend on

our willingness to be proactive rather than reactive and to work with rather than against our opposition. Assuming the trappings and posture of an educational institution is the pathway to the future, as the mission of educational enlightenment will fall squarely on the shoulders of the SCAPMS and related organizations. "To be or not to be; that is the question." I charge each of you to shoulder the burden that has fallen upon us and to accept enthusiastically the challenges now before us, lest we follow the path of the dinosaurs.

I hope to see all of you at our annual meeting August 11-13 at the SCE&G Pine Island facility on Lake Murray. I also want to encourage you all to come help us welcome the Aquatic Plant Management Society to the Carolinas at their annual meeting July 11-14 in Asheville, NC. I look forward with great enthusiasm and optimism to the remainder of my tenure as your President and to continuing service to SCAPMS well into the new millennium.

Sincerely,

Stratford Kay

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Clemson Helps Curb the Spread of Aquatic Weeds

Working quietly behind the scenes, Clemson University Department of Plant Industry regulatory specialists carefully inspect plant nurseries and greenhouses for the sale and presence of illegal plant pests....including many illegal aquatic plants. Their stealthy efforts provide a major defense against the introduction of plants, animals, and disease organisms that could, if not controlled, cripple the State's agricultural production.

The Crop Pest Act (1912) provides the State Crop Pest Commission at Clemson University with far reaching powers to "seize, quarantine, treat, or otherwise dispose of the plant pest(s), host(s), or article(s) in a manner the commission considers necessary to suppress, control, or eradicate or to prevent or retard the spread of the plant pest(s)" that pose a serious threat to the State's agriculture.

The Commission is further authorized to promulgate and enforce reasonable regulations to eradicate or prevent the introduction, spread, or dissemination of plant pests. Toward that end, the Commission in 1996 established regulations which identify a variety of plant and animal species as "plant pests." Fortunately, this list includes all nine aquatic plant species on the State Noxious Weed List, plus all 17 aquatic plant species on the Federal Noxious Weed List.

Enforcement of these regulations is carried out primarily by Clemson University's Department of Plant Industry, a component of the Division of Regulatory and Public Service Programs. Department of Plant Industry district regulatory specialists routinely visit plant nurseries and greenhouses throughout the state to ensure compliance with the regulations. While their emphasis has been principally on terrestrial weed species and insect pests, they have recently expanded their surveys to become more observant of aquatic weed species.

Working closely with the Department of Natural Resources, all five regulatory specialists and administration staff received a one day workshop on aquatic weed problems in public waters, control operations, problem species, public education efforts, and aquatic plant identification.

"We are pleased to be able to help" says Jack Jackson, Department Head, "Invasive species are a serious problem and we have to work together and pool our resources if we are going to make a difference."

The cooperative effort has already paid off. Giant Salvinia (*Salvinia molesta*), a particularly noxious aquatic fern, was found in a greenhouse in Aiken County by a Clemson regulatory specialist. Following a brief investigation, the owner was informed of the potential danger of the plant and the specimens were immediately and properly disposed of.

Cooperation between the Department of Natural Resources and Clemson University Department of Plant Industry is expected to become more formalized with the completion of a Memorandum of Understanding early this year.

By adding Clemson's regulatory specialists to prevention efforts already in place, the State is developing a formative line of defense against the constant onslaught of invasive aquatic plant species.

Aquatic Plant Species on the State Plant Pest List

Myriophyllum spicatum (Eurasian watermilfoil)

Alternanthera philoxeroides (alligatorweed)

Azolla pinnata (mosquito fern, water velvet)

Egeria densa (Brazilian elodea)

Eichbornia azurea (anchored waterhyacinth)

Eichbornia crassipes (water hyacinth)

Hydrilla verticillata (hydrilla)

Hygrophila polysperma (Miramar weed)

Ipomoea aquatica (Chinese waterspinach)

Lagarosiphon major (Oxygen weed)

Limnophila sessiliflora (ambulia)

Ludwigia hexapetala (water primrose)

Melaleuca quinquenervia (melaleuca)

Monochoria bastata (monochoria)

Monochoria vaginalis (pickerel weed)

Najas minor (slender naiad)

Ottelia alismoides (duck-lettuce)

Phragmites australis (common reed)

Sagittaria sagittifolia (arrowhead)

Salvinia auriculata (giant salvinia)

Salvinia biloba (giant salvinia)

Salvinia berzogii (giant salvinia)

Salvinia molesta (giant salvinia)

Sparganium erectum (exotic bur-reed)

Trapa natans (water chestnut)



Southeast ANS Conference in Charleston, Oct. 12-14, 1999

Aquatic plants are just one category of aquatic nuisance species that impact the ecology and use of our southern waters. Discover the rest of the story at the first southeast regional conference on aquatic nuisance species titled "Aquatic Nuisance Species: A Focus on the Southeast".

This is the first event to showcase southeast bioinvasion issues, impacts, prevention efforts, management plans, and control options for aquatic plants, freshwater invertebrates, fishes, and marine and estuarine species. Attendees will include representatives from state and federal resource management and regulatory agencies, electric power industry, municipal and regional water utilities, water dependent industries, and research institutions.

The conference will be held at the Sheraton Charleston Hotel in Charleston, SC on October 12-14, 1999. Registration is \$100 if paid prior to August 20 and \$150 after that date and at the door. Contact Janice Conner, meeting coordinator, at 803-737-0800 for registration forms and details.

A special room rate of \$64 per night has been arranged with the Sheraton Hotel for single or double occupancy. Hotel reservations can be made by contacting the Sheraton Hotel at 843-723-3000 or 800-325-3535. Be sure to tell them you are attending the Aquatic Nuisance Species Conference to get the discount room rate.

The conference is being sponsored and organized by the S.C. Department of Natural Resources, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Tennessee Valley Authority, the Louisiana, North Carolina, and South Carolina Sea Grant Programs, Florida Department of Environmental Protection, N.C. Division of Water Resources, and the U.S. Geological Survey.



Anglers, homeowners and DNR staff plant buttonbushes and cypress trees on Lake Murray to help stabilize shorelines and enhance fish habitat



'99 Annual Meeting in "Hurricaneproof" Columbia

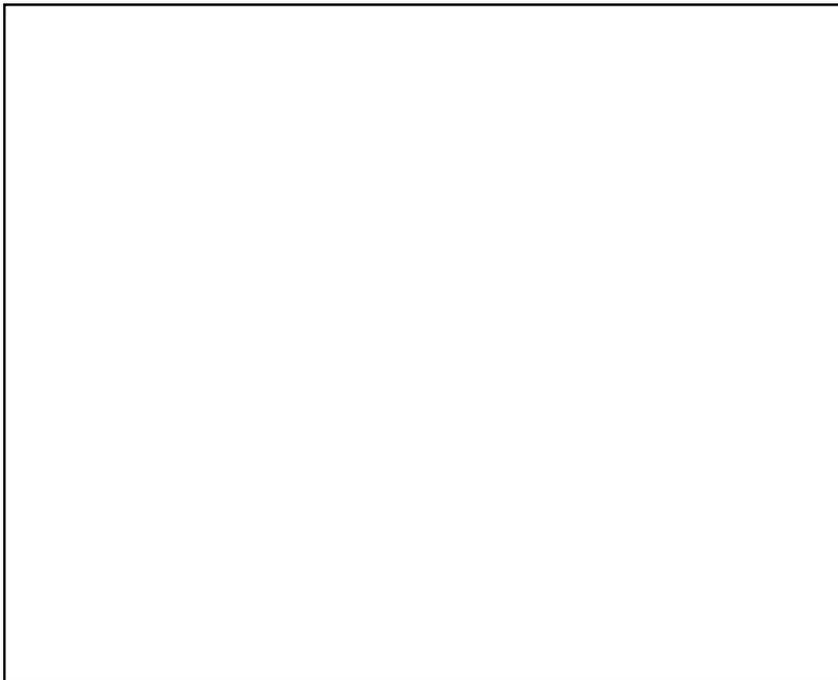
Weary of all the hassles associated with postponed annual meetings due the hurricanes, the SCAPMS Board of Directors decided to play it safe this year and hold the 1999 SCAPMS Annual Meeting at SCE&G's beautiful Pine Island Conference Center near Columbia.

Located on Lake Murray, Pine Island has become a favorite meeting site for the Society with its casual atmosphere and breathtaking views of the lake.

The 21st Annual Meeting is scheduled for August 11-13, 1999. The annual golf tournament and possible fishing tournament will be held on Wednesday, August 11 at a site to be determined.

A one day short course on the application of aquatic herbicides is also planned for Wednesday, August 11 at Pine Island. The course will include information needed to be certified as a Category 5 aquatic applicator, such as aquatic plant identification, safety, labels, calibration, application techniques, and integrated pest management. Licensed aquatic applicators may receive recertification credits for attendance from Clemson University Department of Pesticide Regulation. A Category 5 certification test will not be given following the course.

Registration and hotel accommodation information will be provided at a later date. Check your SCAPMS web site at <http://water.dnr.state.sc.us/water/envaff/aquatic/scapms.html> for the latest meeting information.



Team talents of Phil and Malynn Fields guarantees a fun and successful Society.

1999 Meeting Calendar

Aquatic Plant Management Society

Radisson Hotel
Asheville, NC
July 11-14, 1999
Contact: Lewis Decell 601-638-7150

South Carolina Aquatic Plant Management Society

SCE&G Pine Island Conference Center
Columbia, SC
August 11-13, 1999
Contact: Tommy Bowen 704-875-5422

Florida Aquatic Plant Management Society

Daytona Beach Holiday Inn
Daytona Beach, FL
October 5-7, 1999
Contact: John Rodgers 813-744-6163

Southeast Regional Aquatic Nuisance Species Conference

Sheraton Charleston Hotel
Charleston, SC
October 12-14, 1999
Contact: Steve de Kozlowski 803-734-9114

MidSouth Aquatic Plant Management Society

Gulf State Park Resort
Gulf Shores, AL
October 20-22, 1999
Contact: Mark Tow 256-442-1038

North American Lake Management Society

Reno, NV
December 1-4, 1999
Contact: www.nalms.org

Lake and Watershed Association of South Carolina

6th Annual Meeting
October
Contact: Glenda Williamson 803-749-7961

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Columbia, SC (803) 734-9113



1st Call for Papers- 21st Annual Meeting

The Program Committee is accepting requests for presentations at the 1999 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 Vice President:

Dr. Larry Dyck
Dept. of Biological Sciences
Clemson University
Clemson, SC 29634
Phone: (864) 656-3583
Fax: (864) 652-0543
dyckl@clemson.edu

FL Aquatic Weed Control Short Course

The University of Florida is providing a week-long course titled **The Aquatic Weed Control, Aquatic Plant Culture and Revegetation Short Course** on **May 17-20, 1999** at the Marriott North Hotel, Fort Lauderdale, FL. Continuing education units are available and applicator certification exams will be offered during the course.

Registration fee is \$129 which includes the educational program, all course materials, breaks, and some meals. For more information contact the Registration Department at the University of Florida at 352-392-5930 or check out their web site at <http://www.ifas.ufl.edu/conferweb/>

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

Published four times a year by the South Carolina Aquatic Plant Management Society; c/o Steve de Kozlowski, S.C. Dept. of Natural Resources, 2221 Devine Street, Suite 222, Columbia, SC 29205

Editor: Steve de Kozlowski

Design/Production: Bridget C. Leslie

Graphics: Chris Page and Bridget C. Leslie

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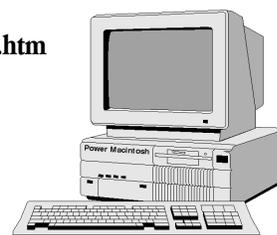
SCAPMS Financial Summary as of 4/1/99

Checking Account Balance:	\$6,487
Student Scholarship Fund: (Mutual Funds)	\$49,921
Operational Reserve Fund:	\$2,888
TOTAL	\$59,296



Important and Interesting Web Sites

<i>SCAPMS Home Page (Best Pick)</i>	http://water.dnr.state.sc.us/water/envaff/aquatic/scapms.html
<i>Aquatic Plant Management Society</i>	http://www.apms.org/
<i>SCDNR Aquatic Nuisance Species Program</i>	http://water.dnr.state.sc.us/water/envaff/aquatic/index.html
<i>Center for Aquatic and Invasive Plants</i>	http://aquat1.ifas.ufl.edu/
<i>Weed Science Society of America</i>	http://ext.agn.uiuc.edu/wssa/
<i>National Weed Strategy</i>	http://bluegoose.arw.r9.fws.gov/ficmnewfiles/NatlweedStrategytoc.html
<i>Nature Conservancy "Alien Species"</i>	http://www.consci.tnc.org/library/pubs/dd/
<i>Aquaphyte Newsletter</i>	http://aquat1.ifas.ufl.edu/aquaph.html
<i>NC State U. Aquatic Weed Management</i>	http://www.cropsci.ncsu.edu/faculty/kay/aquatic.htm
<i>Clemson Dept. of Pesticide Regulation</i>	http://drpsp.clemson.edu/
<i>USGS Nonindigenous Aquatic Species</i>	http://nas.er.usgs.gov/



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