



AQUATIC PLANT NEWS

A newsletter of The Aquatic Plant Management Society, Inc. No. 60 March 1999
Mike Stewart, Editor, CEWES-ES-P, 3909 Halls Ferry Road, Vicksburg, MS 39180

Asheville, North Carolina: A Great Location for our 39th Annual Meeting

The 39th Annual Meeting of the Aquatic Plant Management Society will be held July 11-14, 1999, at the Radisson Hotel in Asheville, North Carolina. The Radisson Hotel is located in downtown Asheville. The largest city in Western North Carolina, and not far from the Great Smoky Mountains, Asheville has been described as the "Paris of the South" because of its appeal to artisans and authors, its historic architecture, and its diverse downtown attractions. Over 100 boutiques, shops, art galleries and antique stores offer lots of opportunity to browse or buy. Diverse restaurants, cafes, tea rooms, and brewery pubs provide memorable cuisine, or a great place to relax and people watch. Area night clubs feature everything from regional music to comedy clubs to poetry slams to nationally known acts.



Asheville is home to both contemporary and traditional art and also holds a strong bond to the craft tradition of Western North Carolina. Folk mountain music has roots in Western North Carolina and celebrates its heritage each July during the nation's oldest continuing folk festival, the Mountain Dance and Folk Festival. Other local music events, ranging from classical to jazz to rock and roll concerts are commonplace during July. Asheville also hosts a number of acting companies and theaters, ranging from professional performances to student performances at local colleges. (see Asheville - page 2)

Program Plans for 1999 Annual Meeting

President Elect Lewis Decell is Program Chair for this year's annual meeting, and he is making arrangements for presentations on a range of topics certain to be of interest to all. As the April 26 paper submission deadline draws nearer (see *Final Call for Papers* - pg 8), Lewis anticipates receiving additional paper submissions on aquatic plant ecology, physiology, control technique development, field evaluations, and operational control programs. Additionally, Lewis has arranged for the inclusion of two special sessions in this year's program.

Both sessions are being organized by Dr. Michael Smart. The first will cover pertinent topics related to the recent introduction of giant salvinia in the southeastern United States. The session objectives are to inform the membership of the impacts of this weed species on a global basis and to provide valuable information on giant salvinia control techniques found to be effective in countries previously infested. (see *Program Plans* - page 2)

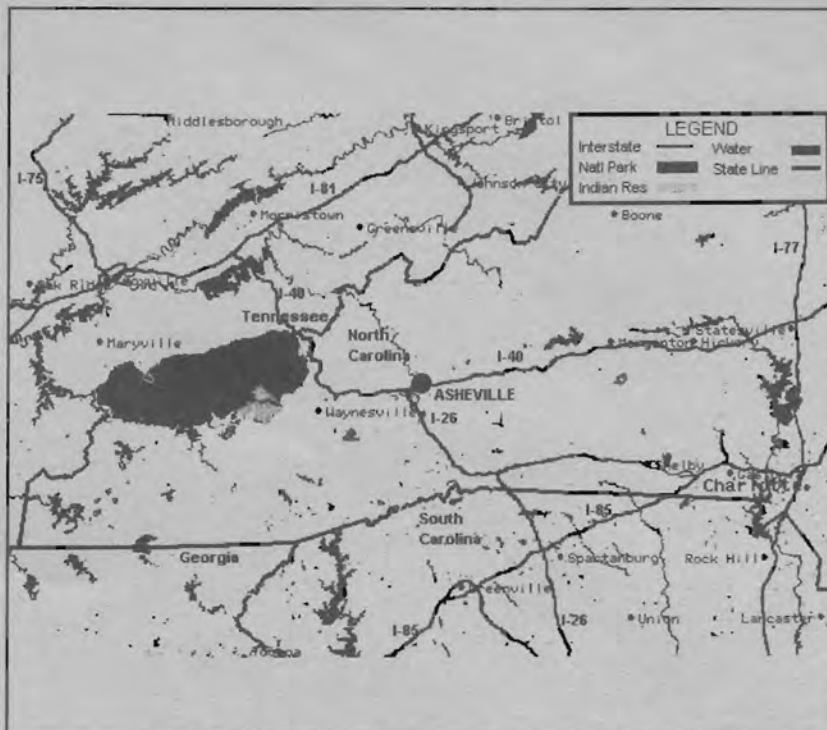
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Asheville - continued from page 1

Among the many attractions within driving distance to Asheville, Biltmore Estate may be one of the best known. Built by George Vanderbilt in the late 19th century, the 255 room mansion, situated on an 8,000 acre estate, still contains its original collection of furnishings, artwork and antiques. Even more majestic, the Blue Ridge Parkway, which passes through Asheville, leads to the entrance of the Great Smoky Mountains National Park. Numerous overlooks, roadside exhibits, and hiking trails along the Parkway will make for a delightful trip if you have free time before or after the meeting. Guided nature walks at parks like Chimney Rock and Grandfather Mountain or gentle float trips down local rivers are also in close proximity.

For additional information on Asheville area attractions, contact the Asheville Area Chamber of Commerce toll free at 1-800-257-1300, or visit their website at www.ashevillechamber.org.



Great Smokey Mountains National Park is only an hour away from Asheville. For additional information on attractions and directions, contact the park website at: <http://www.nps.gov/grsm>, or call 423-436-1200.

To make your reservations at the Radisson Hotel Asheville, call the hotel toll free at 1-800-438-3960 (out-of-state) or 1-800-222-0859 (in-state). Toll calls can be made to 828-252-8211. To reserve a room at the group rate arranged for the meeting, you must make your reservations by June 10, 1999. When making reservations, you must specify the Aquatic Plant Management Society to receive the group rate. The group rate is: \$72.00 per night, for single, double, triple, or quadruple occupancy. A 9% occupancy tax will be added to this rate. After June 10, reservations will be taken on a space available basis only, and the special group rate may not apply. All reserved rooms will be held until 6:00 pm on the date of arrival, unless guaranteed for late arrival by deposit or major credit card.

Program Plans - continued from page 1

Additionally, the session will include presentations by key participants in the ongoing federal, state and local interagency program to eradicate giant salvinia in Texas and Louisiana.

The second session being organized for the meeting will cover current efforts under the general topic of aquatic habitat restoration. This session will include information on why healthy, native plant communities are important to aquatic systems; however, the main focus will be on recent efforts to develop techniques needed for large-scale culture and establishment of native plant communities in the field.



Chimney Rock, located in the Great Smokey Mountains National Park, offers a breathtaking view of the valley below.

Student Activities for the 39th Annual Meeting

This year's annual meeting will again provide the opportunity for students to participate in a platform paper competition of their current research topics. Repeatedly, this annual competition provides some of the better presentations on the program. Dr. Michael Grodowitz and members of the Student Affairs Committee will once again organize this competition and will work with participating students to insure that their experience is rewarding. All competitors will have their registration fees waived, and complimentary lodging, on a double occupancy basis, will also be provided. Prizes will be awarded to the best four papers. Last year's winners were:

1 st Place - Joseph Marencik	3 rd Place (tie) - Mariana Tamayo
2 nd Place - Laura Jester	3 rd Place (tie) - Maria Gallardo



Dr. Mike Grodowitz (third from right) is pictured with five participants in last year's Student Paper competition. From left to right: Mariana Tamayo, Maria Gallardo, Yassin Al-Sodanay, Dr. Grodowitz, Joseph Marencik, and Laura Jester.

Nominations for 1999-2000

The Nominations Committee has selected the following nominees for the membership to vote on at the 39th Annual Meeting.

Vice President - David Tarver
Editor - John Madsen
Director - Bob Gunkel
Director - Michael Smart

Biographical info on these nominees will be included in the next Newsletter.

Newsletter Information Request

Know of any upcoming meetings or activities, or any hot topics our membership should know about?

If so, drop me a note.
stewarr@mail.wes.army.mil
or call me: 601-634-2606

Deadline for Issue 61 is:

April 30, 1999

APMS Sustaining Members 1998-99

APPLIED AQUATIC MANAGEMENT, INC.
Eagle Lake, Florida

APPLIED BIOCHEMISTS, INC.
Germantown, Wisconsin

AQUATIC CONTROL, INC.
Seymour, Indiana

AQUATIC MANAGEMENT SERVICES, INC.
Novi, Michigan

AQUATICS UNLIMITED
Martinez, California

AQUARIUS SYSTEMS
North Prairie, Wisconsin

BREWER INTERNATIONAL
Vero Beach, Florida

CHELTEC, INC.
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Charlotte, North Carolina

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NUFARM AMERICAS, INC.
St. Joseph, Missouri

PROFESSIONAL LAKE MANAGEMENT, INC.
Alto, Michigan

RESOURCE MANAGEMENT, INC.
Tumwater, Washington

SEPRO CORPORATION
Carmel, Indiana

TEXAS AQUATIC HARVESTING
Lake Wales, Florida

APMS Points of Contact: International and Regional Chapters

Organization	President	Secretary	Treasurer	Editor
Aquatic Plant Management Society, Inc. (APMS) P.O. Box 1477 Lehigh, FL 33970-1477	David Spencer USDA-ARS, Weed Science Robbins Hall, UC Davis 1 Shields Avenue Davis, CA 95616 530-752-1096 530-752-4606 fax dfspencer@ucdavis.edu	Michael Stewart CEWES-ES-P 3909 Halls Ferry Road Vicksburg, MS 39180 601-634-2606 601-634-2617 fax stewarr@mail.wes.army.mil	Donald W. Doggett Lee County Hyacinth Control District P.O. Box 60005 Fort Myers, FL 33906 941-694-2174 941-694-6584 fax dogget@mail.dms.state.fl.us	John D. Madsen CEWES-ES-P 3909 Halls Ferry Road Vicksburg, MS 39180 601-634-4631 601-634-2617 madsenj@mail.wes.army.mil
Florida Aquatic Plant Management Society, Inc. (FAPMS) c/o Judy Ludlow DEP Invasive Plant Management 3900 Commonwealth Boulevard MS 705 Tallahassee, FL 32399	Jim Brewer Brewer International P.O. Box 6006 Vero Beach, FL 32961 1-800-228-1833 561-778-2490 fax	John Rodgers DEP, Aquatic Plant Management 8302 Laurel Fair Circle Suite 140 Tampa, FL 33610 813-744-6163 813-744-6165 fax	Steve Weinsier AquaJet Lake Services 120 Torchwood Avenue Plantation, FL 33324 904-452-0387 904-452-0387 fax	Judy Ludlow DEP Invasive Plant Management 3900 Commonwealth Boulevard MS 705 Tallahassee, FL 32399 850-488-5631 850-488-4922 fax
MidSouth Aquatic Plant Management Society, Inc. (MSAPMS) c/o Ken Weathers AL Dept of Cons & Nat Res P.O. Box 292 Enterprise, AL 36330	Harry Knight Applied Biochemists P.O. Box 1181 Cullman, AL 35056 256-796-8704 256-796-8704 fax harryknight@appliedbiochemists.com	Ken Weathers AL Dept. of Cons. & Nat. Res. P.O. Box 292 Enterprise, AL 36330 334-347-9467 kweathers@entercomp.com	Scott Hendricks Georgia Power Company 5131 Mormar Road Smyrna, GA 30080 404-799-2159 ASHENDRI@southernco.com	
Midwest Aquatic Plant Management Society, Inc. (MAPMS) c/o Scott Schuler P.O. Box 100 Seymour, IN 47274	Bill Ratajczyk Applied Biochemists S2630 Hwy. K Reedsburg, WI 53959 608-524-4014 608-524-4014 fax billratajczyk@appliedbiochemists.com	Scott Schuler Aquatic Control, Inc. P.O. Box 100 Seymour, IN 47274 812-497-2410 812-497-2460 fax aquacon@hsonline.net	Jim Schmidt Applied Biochemists W175 N11163 Stonewood Drive Suite 234 Germantown, WI 53022 800-558-5106 ext. 305 414-438-5671 fax jimschmidt@appliedbiochemists.com	
South Carolina Aquatic Plant Management Society, Inc. (SCAPMS) c/o Tommy Bowen 13339 Hagers Ferry Road Huntersville, NC 28078	Stratford Kay NC State University P.O. Box 7620 Raleigh, NC 27695 919-515-5645 919-515-5315 fax stratford_kay@ncsu.edu	Tommy Bowen Duke Power Co. 13339 Hagers Ferry Road Huntersville, NC 28078 704-875-5422 704-875-5032 fax twbowen@duke-energy.com	Steve de Kozlowski S.C. Dept of Nat. Res. 2221 Devine Street, Suite 222 Columbia, SC 29205 803-734-9114 803-734-9200 fax koz@dnr.state.sc.us	
Texas Aquatic Plant Management Society, Inc. (TAPMS) c/o Kelly Duffie Estes, Inc. 1075 W. Sam Houston Parkway Suite 212 Houston, TX 77043	David Sauer Gulf Coast Water Authority 3630 Hwy 1765 Texas City, TX 77591 409-935-2438 409-935-4156 fax dasauer@hotmail.com	Kelly Duffie Estes, Inc. 1075 W. Sam Houston Parkway Suite 212 Houston, TX 77043 713-464-3391 713-464-1027 fax kmduffie@aol.com	John Wedig Lower Colorado River Authority 3701 Lake Austin Boulevard Hancock Building # 219 Austin, TX 78703 512-473-3307 512-473-4066 fax jwedig@cra.org	Wilfred Korth Guadalupe-Blanco River Authority P.O. Drawer 68 Fannin, TX 77960 512-575-6366 512-575-2267 fax wkorth@csi.net
Western Aquatic Plant Management Society, Inc. (WAPMS) c/o Nate Dechoretz CA Dept of Food & Agriculture 1220 N Street, Room A-357 Sacramento, CA 94271	Valerie Van Way CA Army National Guard CAFÉ-EV #18 P.O. Box 269101 Sacramento, CA 95826-9101 916-854-3849 916-854-3643 vanwayv@calguard.ca.gov	Nate Dechoretz CA Dept of Food & Agriculture 1220 N Street, Room A-357 Sacramento, CA 94271 916-654-0768 NDECHORETZ@CDFA.CA.GOV	Jenifer Parsons Washington Dept. of Ecology P.O. Box 47710 Olympia, WA 98504 360-407-6679	

BOOK REVIEW

Biological Control of Weeds A World Catalogue of Agents and Their Target Weeds

M. H. Julien and M. W. Griffiths, CSIRO Entomology, Australia [eds.]
CABI Publishing, Wallingford, Oxon, UK, 4th ed., 1998
223 pp., \$50.00 (plus \$3.00 shipping and handling)
ISBN 0 85199 234 X

The latest edition of what has been commonly referred to by the biological weed control community as "Julien's Catalogue" is hot off the press. The newest version of this extraordinary catalogue continues the tradition of excellence that has made this book the standard reference on the subject of biological control of weeds. The 4th edition is similar in many respects to its predecessors. However, several interesting cosmetic and format changes are apparent in the new edition.

For example, the addition of M. C. Griffiths as the catalogue's first co-editor is noteworthy in that it suggests that the process of reviewing the literature and incorporating new information on target weeds and their control agents into the existing database has become a formidable task. To illustrate this point, the number of new releases of exotic organisms for biological weed control has almost doubled during the six years since the 3rd edition was published. The increasing volume of literature in this area of research reflects the worldwide demand for more sustainable, biologically-based and affordable weed control strategies.

Another subtle change involves the photographs on the front cover. The alligatorweed flea beetle and its host plant that adorned the cover of the first three editions has now been replaced by the waterhyacinth weevil and its host plant. The debut of the new cover photographs is timely in that it illustrates the increasing level of international collaboration that has occurred as a result of the waterhyacinth biological control program.

The change in format from the earlier editions makes the new catalogue more "user-friendly". Combining the first two columns of information in each list into a single column was a sensible decision because it facilitated a shift in the page format from landscape to the more traditional portrait view. Each target weed is clearly identified and highlighted. This new feature allows the user to search for and locate information more efficiently. The embedded page tab feature is an added bonus. By clearly marking each section of the catalogue, the user now can locate each list at glance. Finally, a new index that identifies the families of the control agents also was added to the indexes section of the catalogue.

In summary, the 4th edition of *Biological Control of Weeds: A World Catalogue of Agents and Their Target Weeds* edited by M. H. Julien and M. W. Griffiths is the most up-to-date and comprehensive source of information available on biological control of weeds projects that have been undertaken worldwide since 1996. As a handy reference guide for the professional or student, the book is invaluable. No library on the subject of biological weed control would be complete without this book. The literature review alone is worth the price of obtaining a copy. "Julien's and Griffiths' Catalogue", now in its 4th edition, has no rival nor is it likely to ever have one except perhaps as a CD-ROM or as an electronic version available on the internet.

James P. Cuda
Entomology and Nematology Department
University of Florida
Gainesville, FL, USA

Aquatic Plant Scholarship Grant

The South Carolina Aquatic Plant Management Society, Inc., a non-profit corporation established for the purpose of promoting the management of noxious aquatic vegetation in South Carolina, is seeking applications for its annual scholarship grant.

The Society intends to award a

\$2,000 scholarship grant

to the successful applicant in the Fall 1999.

Grant 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

May 1, 1999

and will be evaluated on the basis of relevant test scores (ACT, SAT, GRE, etc.), high school and/or 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.

Persons interested in applying for the scholarship grant should contact:

Danny Johnson
SC Department of Natural Resources
2221 Devine Street, Suite 222
Columbia, SC 29205
803-734-9099

E-mail: johnsond@water.dnr.state.sc.us



South Carolina
Aquatic Plant
Management Society

Nursery and Water Garden Trade Brings Giant *Salvinia* (*Salvinia molesta*) to North Carolina

Stratford H. Kay, Ph.D.

Aquatic Weed Management Specialist
North Carolina State University, Raleigh, NC 27695

On October 16, 1998, Mr. Steve Hoyle, Aquatic Weed Management Research Technician in the Department of Crop Science, discovered an unusually large and robust floating aquatic fern in a water garden display at the North Carolina State Fair. His description of the plant made me suspect that it could be giant salvinia. I reported the incident to Mr. Gene Cross of the North Carolina Department of Agriculture and Consumer Services (NCDA&CS), and the following week he visited the display at the fair and collected samples of the plant in question. The plant subsequently was confirmed as *Salvinia molesta*. The water garden display at the State Fair originated from an aquatic nursery near Beaufort, NC, where it apparently has been sold as an ornamental for the past two or three years. Within a few weeks of the initial discovery, giant salvinia was found at a dealership and one private water garden in Wilmington and at one nursery and three dealerships in the Raleigh vicinity. The discovery of this weed has generated considerable activity within NCDA&CS, including the issuance of stop sale notices at the nurseries and dealerships, destruction of the existing plants whenever they are detected, and training of field personnel to begin a statewide survey of aquatic nurseries and water garden and aquarium dealerships. Dr. David Patterson (NCDA&CS) indicated that, as of January 22, 1999, *Salvinia molesta* has been detected in nine North Carolina counties: Carteret, Craven, Jones, Lenoir, New Hanover, Orange, Pitt, Sampson, and Wake.

The big question is exactly what does this mean for North Carolina? All detections to date in North Carolina are from aquatic plant dealers and nurseries, botanical gardens, or manmade ponds. *Salvinia molesta* has not been reported from any natural water body or flowing stream, and the species is not considered naturalized in North Carolina. Available data indicate that *Salvinia molesta* is fairly sensitive to cold, but that leaves beneath the water's surface, as well as the vegetative reproductive bud, would be protected and could tolerate substantial cold. Information from the literature indicates that the male sporocarps produce non-viable spores, hence, the plant is not able to

reproduce sexually. However, this definitely does not preclude entirely that the possibility for viable spore production may exist in some clones or ecotypes.

Climatic data for the U.S. indicate that the current location of *Salvinia molesta* in Toledo Bend Reservoir (northeastern Texas) is in plant hardiness zone eight. Hardiness zone eight extends into portions of southeastern and southern North Carolina and along the Atlantic coastal counties of the state. Based on this information, it would appear that there is significant potential for *Salvinia molesta* to become well established in some areas of the eastern and southern coastal plain. This weed has the potential to overrun most of the coastal swamps, wetlands, and the Carolina bays wherever there may be permanent, fresh, standing water. Because waterhyacinth has overwintered for several years in the north-central piedmont of North Carolina, and cold tolerance of *Salvinia molesta* appears to be similar to that of waterhyacinth, I feel that there is significant potential for it to become established inland, particularly if a mild winter occurs. This and the fact that it has been sold openly as a water garden plant increase the potential for this plant to become a major noxious aquatic weed here in North Carolina in the near future. Serious efforts need to be focused on preventing the further spread of this weed and on eliminating any escaped infestations as soon as they may be discovered. The discovery of this plant in water gardens in North Carolina should serve as a signal to other states in the Southeast and Mid-Atlantic regions to begin a careful review of what plants are being sold for use in aquariums and ornamental water gardens. We need to determine the status of this plant in the ornamental, water garden, and aquarium trade elsewhere in the South and Southeast. Attention needs to be directed especially to mail-order sales houses, some of which are openly advertising a number of plants that are listed as Federal Noxious Weeds or are included in state noxious weed listings. Any findings of *Salvinia molesta* or other noxious weeds should be reported immediately to the appropriate regulatory agency in your state.

Pre-Registration Form
The Aquatic Plant Management Society, Inc.

39th Annual Meeting
Radisson Hotel Asheville
Asheville, North Carolina
July 11-14, 1999

LAST NAME: _____ FIRST NAME: _____ M.I.: _____

ORGANIZATION: _____ TITLE: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

COUNTRY: _____ BUSINESS PHONE: () _____ FAX: () _____

Please use a photocopy of this form for submitting pre-registration information. Payment of all fees and costs indicated on your completed form should accompany your form when mailed to The Aquatic Plant Management Society, Inc., P. O. Box 1477, Lehigh, Florida 33970-1477, USA. Note that Full-Delegate registration includes coffee/tea breaks, President's reception, and Awards Banquet.

Description of Registration Categories (Please check those that apply)		Itemized Cost
<input type="checkbox"/> Advanced Full-Delegate Registration (Note: Full-Delegate Registration at the meeting will be \$100.00)	\$ 85.00	\$ _____
<input type="checkbox"/> Guest Registration (Spouse, partner, or child over 12 years) (Includes Breaks, Social Functions, and Banquet) (Note: Guest Registration at the meeting will be \$80.00)	No. of guests _____ @ \$65.00 each =	\$ _____
<input type="checkbox"/> Student Paper Competition Participant (Includes Breaks, Social Functions, and Banquet)	NO CHARGE	NO CHARGE
<input type="checkbox"/> Regular Student Registration (Non-competing) (Includes Breaks only- no other Social Functions or Banquet)	\$ 15.00	\$ _____

Individual Function Tickets (for Regular Students or Non-registered Guests)

☐ President's Reception (Sunday evening) No. of tickets _____ @ \$25.00 each = \$ _____

☐ Awards Banquet (Tuesday Evening) No. of tickets _____ @ \$35.00 each = \$ _____

APMS Membership Dues (Optional: Membership dues may be paid at the meeting)

Active	_____	\$ 35.00	
Student	_____	\$ 5.00	
Sustaining Member	_____	\$500.00	\$ _____

APMS Scholastic Endowment Fund \$ _____

TOTAL AMOUNT OF REMITTANCE \$ _____

(If payment by check, make checks payable to APMS, Inc.)

If payment by Credit Card, you must provide the following information:

Check one: VISA _____ MASTERCARD _____ AMERICAN EXPRESS _____

Cardholder Name: _____ Card No.: _____ Expiration Date: _____

Signature: _____ Date: _____

FINAL CALL FOR PAPERS
APMS 39TH ANNUAL MEETING
ASHEVILLE, NORTH CAROLINA - JULY 11-14, 1999

You are invited to submit a title and abstract for the 39th Annual Meeting of The Aquatic Plant Management Society. The meeting dates are July 11-14, 1999. Presentations of up to 15 minutes on all aspects of aquatic plant biology, ecology, and management will be considered. Carousel slide projectors and overhead projectors are provided. Other equipment, such as video projection, may be made available but should be discussed with the Program Chair at the time of title submission.

The Submission Deadline is April 26, 1999

Please photocopy this form and type the title, author(s), and their organization and address exactly as you wish them to appear in the program. Abstracts of up to 100 words should be attached to this form. Submitted abstracts will be compiled and provided to meeting participants. Please mail the completed form and abstract to the Program Chair at the address below. **Note: Do not mail this form with the Pre-Registration Form.**

If you have any questions or comments about the program, please contact:

Lewis Decell, Program Chair
Tel: (601) 638-7150
Fax: (601) 629-9272
e-mail: jldcom@aol.com

This is the FINAL CALL for Papers !!!!!!!

Title of Paper: _____

1st Author: Name: _____ Affiliation: _____
Address: _____
City,State,Zip,Country: _____

2nd Author: Name: _____ Affiliation: _____
Address: _____
City,State,Zip,Country: _____

3rd Author: Name: _____ Affiliation: _____
Address: _____
City,State,Zip,Country: _____

Student Paper? YES:____ NO: ____

Please send to: Mr. Lewis Decell
P.O. Box 821924
Vicksburg, MS 39182-1924

This is the FINAL CALL for Papers !!!!!!!

----- CALENDAR OF UPCOMING MEETINGS AND EVENTS -----

<u>DATE</u>	<u>EVENT</u>	<u>LOCATION</u>	<u>CONTACT</u>
May 17-20, 1999	Aquatic Weed Control, Aquatic Plant Culture and Revegetation Short Course/Workshop	University of Florida Ft. Lauderdale, FL	David L. Sutton Ft. Lauderdale Res. & Edu. Ctr. University of Florida Ft. Lauderdale, FL 33314 Phone: 954-475-8990 E-mail: dlsutton@ufl.edu
May 17-21, 1999	8 th International Conference on the Conservation and Management of Lakes: Sustainable Lake Management	Copenhagen, Denmark	Internat. Lake Environ. Committee c/o DIS Congress Service Copenhagen A/S Phone: +45 44 92 44 92 E-mail: dis@inet.uni2.dk
May 25-28, 1999	47 th Annual Meeting North American Benthological Society (NABS)	Duluth Entertainment & Convention Center (DECC) Duluth, MN	Carl Richards, Co-Chair Nat. Res. Research Institute University of Minnesota Duluth Duluth, MN 55811 218-720-4332 Email: crichard@d.umn.edu http://www.d.umn.edu/nabs99
May 26-28, 1999	10 th Annual Meeting, Florida Lake Management Society	Safety Harbor Resort & Spa Safety Harbor, FL (Reserv: 727-726-1161 or 1-800-237-0155)	Nancy Page, Conf. Coordinator Phone: 727-464-4425 Fax: 727-462-4420 E-mail: npage@co.pinellas.fl.us
June 6-12, 1999	20 th Annual Meeting, Society of Wetland Scientists	Waterside Convention Ctr. Norfolk, VA (Reserv., Norfolk Waterside Marriot: 757-627-4200)	Jim Perry, PWS Phone: 804-684-7388 Fax: 804-684-7388 E-mail: jperry@vims.edu
June 28-July 1, 1999	11 th European Weed Research Society (EWRS) Symposium	Basel, Switzerland	EWRS Symposium 1999 P.O. Box CH-4332 Stein Switzerland Phone: +41-62-868 60 63 E-mail: james.allen@cp.novartis.com
July 11-14, 1999	39 th Annual Meeting, Aquatic Plant Management Society	Radisson Hotel Asheville Asheville, NC (Reserv: 828-252-8211 or 1-800-333-3333)	J. Lewis Decell, Program Chair JLD Consulting, Inc. Phone: 601-638-7150 E-mail: jldcom@aol.com http://www.apms.org
August 29- September 2, 1999	129 th Annual Conference, American Fisheries Society	Charlotte Adams's Mark Charlotte, NC (Reserv: 704-372-4100)	C. Andrew "Andy" Dolloff, Program Chair Phone: 540-231-4864 E-mail: afs99@vt.edu
December 4-9, 1999	American Water Resources Assoc., Annual Conference (Watershed Management to Protect Declining Species)	Sheraton Seattle Hotel & Towers Seattle, WA (Reserv: 206-621-9000)	Rod Sakrison, Conf. Co-Chair Phone: 425-649-4447 Fax: 425-649-7098 E-mail: rsak461@ecy.wa.gov
July 2000	40 th Annual Meeting, Aquatic Plant Management Society	San Diego, CA	Updates at APMS Website http://www.apms.org

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:
The Aquatic Plant Management Society, Inc.
Post Office Box 1477
Lehigh, FL 33970-1477

Application for Membership

Name of Applicant _____
Home Address _____ Zip Code _____
Current Title and Business or Institution Name & Address _____

Phone _____ Fax _____ e-mail _____ Zip Code _____

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	\$ 35.00
STUDENT MEMBERSHIP	\$ 5.00
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. Commercial sustaining membership also includes exhibit space at the annual meeting. 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. This class does not include the newsletter, nor are members allowed to vote in Society elections.

SUBSCRIPTION MEMBERSHIP \$ 70.00

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

SIGNATURE OF APPLICANT: _____

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

☐ Florida APMS ☐ Mid-South APMS ☐ Midwest APMS ☐ Nile Basin APMS
☐ South Carolina APMS ☐ Western APMS ☐ Texas APMS

The Aquatic Plant Management Society, Inc.
Post Office Box 1477
Lehigh, Florida 33970-1477