



AQUATIC PLANT NEWS

A newsletter of the Aquatic Plant Management Society, Inc. No. 38 Dec. 1991
K.A. Langeland, Editor, University of Florida, Center for Aquatic Plants, 7922 NW 71st St., Gainesville, FL 32606

Time to Gear Up for 1992

And The International Symposium - Randall Stocker, President

It was great seeing so many of you at our July meeting in Dearborn, Michigan. I especially want to thank the folks from the Midwest Chapter for their efforts in setting up local arrangements. I also want to congratulate them for an excellent local attendance.

Being president of the Aquatic Plant Management Society has provided the incentive and justification for me to attend every chapter meeting that has been held since our regional meeting in July. This has included excellent meetings with the South Carolina APMS, Mid-South APMS, and most recently with the energetic bunch down in Florida. This was my first visit with the folks in South Carolina and the Mid-South region and the first chance I had to return to a FAPMS meeting since 1979. I am happy to report that all groups are functioning well, and providing top caliber information to their very interested audiences. I want to thank the

many members of each organization that went out of their way to welcome newcomers such as myself.

While I was at the FAPMS meeting in Daytona Beach, FL, I had an opportunity to visit the site of our 1992 APMS Annual Meeting/International Symposium on the Biology and Management of Aquatic Plants at Daytona Beach Marriott Hotel. The site is spectacular and your program committee is working feverously to insure a successful meeting.

I want to remind each member that the sheer magnitude of the 1992 meeting will necessitate temporary changes in many of the meeting arrangements, and will almost automatically mean concurrent sessions for at least part of the meetings, but steps will be taken to make this work as smoothly as possible. Registration fees will include several excellent functions, but will be higher

than what we normally expect at an APMS meeting. I assure you that the Program Committee and the Board of Directors are doing everything possible to avoid having any member feel left out of their own meeting. But the logistical requirements of the world's largest gathering of aquatic plant management interests will obviously mean some things will be different. Bear with us and know that we will be back to business as usual in 1993. Remember, this is the opportunity of a lifetime to broaden your horizons and get a global perspective on your aquatic plant management interests and problems.

If you have any special questions, suggestions, or areas of concern, feel free to call me at (619) 339-9426. More information about the 1992 meeting can be found elsewhere in this newsletter.

1992 APMS Annual Meeting And International Symposium July 12 - 16, 1992, Daytona Beach, Florida

Hot off the presses, the second circular for the 1992 Annual meeting and International Symposium was sent out in the first week of October. If you have not received one yet or would like more copies to distribute to your friends and colleagues, please contact Haller, Joyce, Langeland or Fox at the Center for Aquatic Plants - (904) 392-9613. There are plenty more to send out.

The deadline for abstract submission and early registration is a bit earlier than usual, February 14, 1992. It is recommended that you make reservations for the hotel and the optional field trips as early as possible because a good crowd is expected and places are limited.

FACULTY...STUDENTS...FACULTY...STUDENTS

Things will be a little different for students this year too. Registration will be free for all students entering the Student Paper

Competition and at a reduced rate for all other students. Unfortunately the board of directors felt unable to provide free rooms for this meeting because of other commitments resulting from the expanded program.

HOWEVER, this should be an especially valuable meeting for students because: the greater number of participants will provide more contacts for future activities; opportunities for international contacts; greater diversity of research topics to be addressed; chance to publish in the proceedings.

To minimize costs the student affairs committee will attempt to find room-mates for any student who needs one. Please indicate such a requirement on the registration form. At most colleges

there are several sources of money for assistance to attend scientific meetings. Faculty and students should consider investigating these through departmental offices and student council representatives.



Marriot Hotel, Daytona Beach, Florida - Site of the Aquatic Plant Management Society's Thirty Second Annual Meeting and The International Symposium on the Biology and Management of Aquatic Plants to be held July 12 - 16, 1992.

Awards Presented At 1991 Annual Meeting



Above, Kurt Getsinger (far left) presents First Place Student Paper Award to Bill Spencer. The title of Bill's paper was "Adaptive Significance of the Variable C_3/C_4 Photosynthetic Physiology in *Hydrilla verticillata*", co-authored by J.A. Teeri and R.G. Wetzel. Melanie Moon (third from left) won second place for her paper titled "Acclimation of *Mikania scandens* to flooding", co-authored by Mark Rattray and George Bowes. Jan Miller won third place with "Wild Rice: Is There a Difference?", co-authored by W. T. Haller and M. S. Glenn; and Susan Monteleone won fourth place with "Aquatic Macrophyte Interactions in Chautaugua Lake, New York."

Winners of the Photo Contest were Stratford Kay and David Girardin. The well deserved Exhibitors Award was won by Sygnet Enterprises. Last but not least, the "Whoops I Put My Foot In My Mouth Again Award" was unanimously awarded to Doug Pullman.

Aquatic Gardeners Association

The Aquatic Gardeners Association (AGA) is an international organization of aquarium hobbyists, aquatic plant growers and other individuals interested in the use of aquatic plants in aquariums and ponds. Its purpose includes dissemination of information about aquatic plants, studying and improving upon techniques for culturing aquatic and bog plants in aquariums and ponds, and increasing interest in aquatic gardening.

When founded in 1985, the society was called the American Aquatic Gardeners Association. The name was changed in 1990 to reflect the international nature of its current membership.

The AGA publishes a bi-monthly journal called the The Aquatic Gardener (TAG). The journal contains a number of articles on various topics including experiences with specific plants, aquascaping, culture techniques and the general mechanics of aquatic gardening. Also included is the opportunity for members to have a question and answer forum in order to stimulate discussion on meaningful topics.

The editor is actively soliciting articles and illustrations for publication. Also of interest are spare aquatic plant catalogues and literature which would provide useful resource materials. Donations or items submitted for publication should be addressed to: Neil Frank, editor, 6205 Lookout Loop, Raleigh, NC 27612

The current membership fee is \$15.00/yr (US Funds) for US/Canada/Mexico and \$28.00/yr (US Funds) for all other countries. A sponsoring membership is \$125.00/yr.

Membership applications should be forwarded to: Dorothy Reimer, Membership Secretary, 83 Cathcart Street, London, Ontario, Canada, N6C 3L9

1991 - 92 COMMITTEE CHAIRMAN

Don Riemer, Archives	201-932-9589
Mike Kane, Bylaws and Resolutions	904-392-7937
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Wendy Andrew, (interim), Local Arrangements	904-628-4537
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Bill Haller, Publications	904-392-9613
David Girardin, Publicity	904-329-4275
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John Cassani, (co-chair), Site Selection	813-694-2174
Don Dogget (co-chair), Site Selection	813-694-2174
Alison Fox, Student Affairs	904-392-1808
Joe Zolczynski, Scholastic Endowment Fund Raising (Special Committee)	205-626-5153
Clarke Hudson, Ad Hoc Program Advisory (Special Committee)	407-351-3295

1992 APMS Annual Meeting & International Symposium

February 14, 1992

Deadline For
Abstract Submissions
& Early Registration

CHAPTER NEWS

APMS CHAPTER PRESIDENTS

Florida:	Ken Langeland	904-392-9613
Midsouth:	Randall Goodman	205-844-4667
Midwest:	Gary Johnson	800-352-6776
South Carolina:	Phil Fields	803-737-0800
Texas:	Victor Palma	512-327-9840
Western:	Lars Anderson	916-752-6260

SCAPMS — 1991 Annual Meeting

The South Carolina APMS held its Thirteenth Annual Meeting in August at Santee Cooper's Somerset Point on Lake Moultrie. Members were happy to see the superb job that Santee Cooper had done in restoring the facility after the devastation of Hurricane Hugo; and were greatly appreciative toward Santee Cooper for providing use of the facility's gracious hospitality.

Those responsible (forgive me if anyone is left out) for success of the meeting were Howard Roach, John Inabinet, Drew Smith, Chip Davis, Ken Scott, Larry McCord, and Jim Tuten for Local Arrangements; Phil Fields for prizes and awards; and sustaining members for their generous contribu-

tions toward entertainment.

After a welcoming speech by Mr. Kenneth Ford, President, CEO of Santee Cooper and a keynote address by Dr. Al Burkhalter, the meeting proceeded with topics from pesticide safety to long-term weather conditions for South Carolina. Four papers were presented in the student paper competition. The contest was won by Mr. Steve Kartalia from Clemson University for his paper titled "Movement and Habitat Utilization of Triploid Grass Carp in Lake Marion."

When SCAPMS meets in the low country you can count on a Beaufort stew sometime during the meeting, and this year was

no exception. This year special entertainment was provided by Cindy Aulbach-Smith who exhibited her crab pick'n expertise. Awards were presented after the meal to Bob Barden for the biggest fish, and Drew Smith and Chip Davis for the most fish (fingerlings?) in the fishing tournament; Larry McCord for closest to the pin, Bob Gunkel for longest drive, Chuck Swanman for low net, and, of course, Lewis (fuel king) Decell for low gross in the golf tournament. Member of the year was awarded to Jerry McSwain. **A special award was presented by Phil Fields to Robert Whiteford for sleeping through four papers.**

FAPMS — 1991 Annual Meeting

The 15th Annual Florida Aquatic Plant Management Society's Meeting in October in Daytona Beach was a big success! 476 people registered for the meeting including the President of APMS, Dr. Randall K. Stocker.

The Society was founded with the "person-in-the-field" in mind. The prestigious Aquatic Plant Manager of the Year Award was given to Mr. Frederic G. Schudel of Lee County Hyacinth Control District. Sev-

eral Applicator Papers were presented. The award for the best went to Daryl Blackall of St. John's River Water Management District.

The meeting also included an equipment demonstration which displayed a variety of technologically modern equipment.

The coffers of the William L. Maier Scholarship Foundation were boosted by \$2,970 through fund raising events and donations.

Industry sponsored a nice evening of drinks and hors d'oeuvres for everyone on the top floor of the motel overlooking the beach.

Since it is being held on their home turf, Florida Aquatic Plant Management Society hopes to support the upcoming International Symposium and be instrumental in assuring its success.

WSSA 1992 Annual Meeting Orlando, Florida

The Weed Science Society of America will hold its 1992 annual meeting at the Clarion Plaza Hotel in Orlando, Florida on February 11-14. We look forward to seeing many APMS members in Florida. Fantastic weather is promised - Bring the family and spend a week! The papers listed below will be presented during the "Aquatic And Marginal Weeds" section on Thursday AM, February 13. In addition, the APMS Midwinter Board of Directors Meeting will be held on Saturday, February 15 at 9:00 AM.

- 8:00 Enhancement of Glyphosate Activity on Torpedo Grass (*Panicum repens*). Brian E. Smith*, Donn G. Shilling and William T. Haller, University of Florida, Gainesville. (95)
- 8:15 Production of Tubers by Dioecious Hydrilla (*Hydrilla verticillata*) (L.f.) Royle) in South Florida. D.L. Sutton*, T.K. Van and K.K. Steward, University of Florida and USDA-ARS, Fort Lauderdale Research and Education, Fort Lauderdale, Florida. (96)
- 8:30 Response of Monoecious and Dioecious Hydrilla to Bensulfuron Methyl. T.K. Van* and V.V. Vandiver, USDA/ARS and University of Florida, Fort Lauderdale, Florida. (97)

- 8:45 Efficacy of Bensulfuron Methyl on Eurasian Watermilfoil (*Myriophyllum spicatum* L.) M.D. Netherland*, L.S. Nelson and K.D. Getsinger, Environmental Laboratory, US Army Engineer Waterways Experiment Station, Vicksburg, Mississippi. (98)
- 9:00 Hydrilla (*Hydrilla verticillata* (L.f.) Royle) Growth Responses to Rate and Timing of Bensulfuron Methyl Application. K.A. Langeland*, L. Mantini and F.B. Laroche. University of Florida, IFAS, Gainesville, Florida. (99)
- 9:15 Strategies for Integrating the use of Mariner Herbicide with Mechanical, Biological, Chemical and Water Management methods for controlling Aquatic Weeds. L.W. J. Anderson*, University of California, Davis, California. (100)
- 9:30 Discussion - "Potential use and Research Needs for Mariner Aquatic Herbicide".
- 10:30 Sectional Business Meeting
Discussion and Adjourn

Emerald Plant Identification Videotapes Available

The University of Florida, Institute of Food and Agricultural Sciences is proud to announce availability of two new videotapes in its Aquatic Plant Identification Videotape Series. The new tapes are:

- Emerald Plants - Part I (VT-361), 19 plants.
Emerald Plants - Part II (VT-369), 18 plants.
Currently available in the series is:
Floating and Floating-Leaved Plants (VT-360), 14 plants.
And available in early 1992 will be:
Submersed Plants - Part I (VT-362), 14 plants.
Submersed Plants - Part II (VT-370), 14 plants.
Grasses, Sedges and Rushes - Part I (VT-363), 16 plants.
Grasses, Sedges and Rushes - Part II (VT-371), 17 plants.

This series teaches non-botanists how to identify aquatic plants in everyday language. The videotapes are useful to teachers, extension faculty, management agencies and other organizations to complement teaching of environmental sciences, aquatic ecology, life sciences, botany, and water and aquatic plant management. The programs can be purchased for \$15.00 (plus \$.90 sales tax for Florida residents) from:

IFAS Publications
IFAS Building 664
Gainesville, Florida 32611-0001
904-392-1714

Make checks payable to "University of Florida".

Production of these videotapes is funded by Florida's Aquatic Plant Control Trust Fund.

Publications Available From IFAS

The University of Florida, Institute of Food and Agricultural Sciences has the following publications available on topics that may be of interest to aquatic plant managers.

"Aquatic Weed Control Guide (SP 55, October, 1990)." Edited by Vernon V. Vandiver. This is a compilation of herbicides recommended for control of aquatic and ditchbank weeds. \$5.00.

"Classical Biological Control in the Southeastern United States (SP 355, November, 1990)." Edited by D. H. Habeck, F. D. Bennett and J. H. Frank. 197 pp. \$6.00.

"Ecology and Management of Cypress Swamps: A Review (SP 252, May 1989)." Karla Brandt and Katherine C. Ewel. 19 pp., 10 color photographs. \$3.00.

"Poisonous Plants of the Southeastern United States (SP 57)." A.H. Kates, D. E. Davis, J. McCormack and J. F. Miller, 27 pp., 56 color photographs. \$1.00.

"Geologic/Physiographic Division Maps of Florida." \$5.00.

These publications can be ordered from:

IFAS Publications
IFAS Building 664
Gainesville, FL 32611-0001

Make checks payable to "University of Florida."

Non Carcinogenicity Classification for Glyphosate

On October 30, 1991, the Environmental Protection Agency informed Monsanto that they have classified glyphosate, the active ingredient in Roundup and Rodeo herbicides, as a Category E in regards to cancer potential in humans.

The definition of Category E, as specified by the EPA is "evidence of non carcinogenicity in humans". This is the most favorable classification possible. This determination was based on two long term feeding studies in both rats and mice. These studies meet all new EPA requirements for such tests.

CAST Board Approves Eight Report Topics

The Board of Directors of the Council for Agricultural Science and Technology has approved eight new topics for CAST reports. The board met in Kansas City, Missouri, August 24-26 to identify issues that CAST will address in upcoming publications.

Task Force Reports

Three topics have been approved for Task Force Reports. Groups of prominent scientists will summarize scientific information available on these topics:

Animal Well-Being

Impact of Pests on Food Quality

Biological Pest Control in Agriculture: Opportunities and Challenges

Comments From CAST

The board also approved five new Comments from CAST projects. Comments are shorter publications, developed by a small group of authors. They are:

Food Safety: Interpretations of Risk

Consequences for Food and Fiber (Plant and Animal) Production and Processing from Reduced or Less Reliable Western U.S. Water Resources

Possible Geographical Redistribution of Food and Fiber (Plant and Animal) Production and Processing as a Consequence of More Free Trade

Public Land Use: Social, Economic, and Regulatory Issues

Wetlands: Impact and Regulation

The proposals were developed by four works groups of the Board of Directors representing disciplines in animal sciences, crop and soil sciences, plant protection, and food sciences and agricultural technology.

Dr. Frank Baker of Conway, AR will chair the "Animal Well-Being" project and Dr. F.J. Francis of the University of Massachusetts at Amherst will chair "Food Safety: Interpretations of Risk."

The Aquatic Plant Management Society is represented on the CAST board by Dr. Joseph C. Joyce of the University of Florida. The president of CAST for 1991-92 is Dr. Lowell S. Jordan of the University of California, Riverside.

The Council for Agricultural Science and Technology is a nonprofit consortium of 29 scientific societies and many individual, nonprofit, and company sustaining members. CAST provides science-based information on issues in food and agriculture to policymakers, the news media, and the public. Recent CAST publications include: *Pesticides and Safety of Fruits and Vegetables* and *Herbicide-Resistant Crops*. Individual membership in CAST is \$30 per year; student memberships are \$15 and require a professor's signature. For more information, contact CAST, 137 Lynn Avenue, Ames, IA 50010-7197, (515) 292-2125.

Nymphaea spp.

Water lily

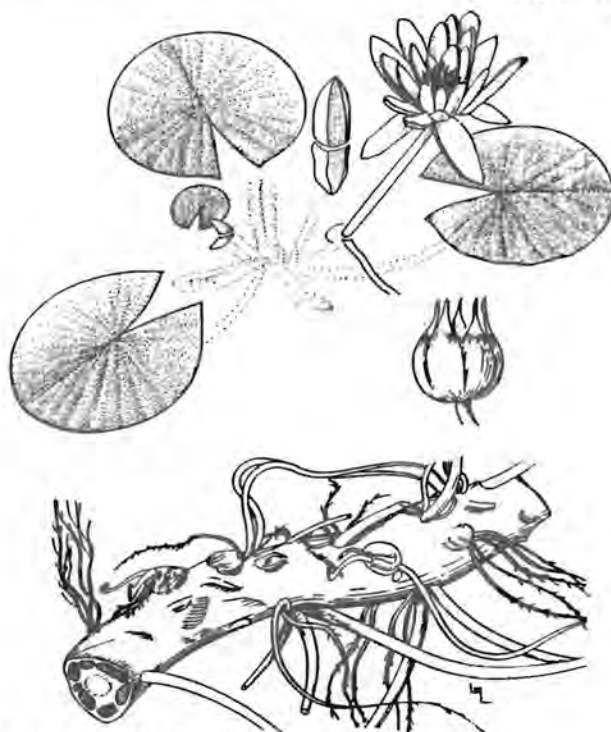


illustration provided by:
IFAS, Center for Aquatic Plants
University of Florida, Gainesville, 1990

Pontederia cordata

Pickerselweed



illustration provided by:
IFAS, Center for Aquatic Plants
University of Florida, Gainesville, 1990

North Carolina Aquatic Weed Control Act Of 1991

On May 27, 1991, the General Assembly of the State of North Carolina passed House Bill 554, amending Section 1, Chapter 113A of the General Statutes by adding a new Article, the "Aquatic Weed Control Act of 1991". This act authorizes the Secretary of the Department of Environment, Health, and Natural Resources (DEHNR), after consultation with the Cooperative Extension Service, the Wildlife Resources Commission, and Marine Fisheries Commission, and with concurrence of the Commissioner of Agriculture, to designate as a "noxious aquatic weed" any plant which: (1.) "grows in or is closely associated with the aquatic environment, whether floating, emersed, submersed, or ditch-bank species, and including terrestrial phases of any such plant organism"; (2.) "exhibits characteristics of obstructive nature and either massive productivity or choking density"; and (3.) "is or may become a threat to public health or safety or to existing or new beneficial uses of the waters of the State". This act became effective October 1, 1991.

The Secretary of DEHNR is responsible for directing "the control, eradication, and regulation of noxious aquatic weeds so as to protect and preserve human health, safety, and the beneficial uses of the waters of the State and to prevent injury to property and beneficial plant and animal life". The Secretary also has authorization "to control, remove, or destroy any noxious aquatic weed located in the waters of the State or in areas

adjacent to such waters wherever such weeds threaten to invade" these waters. The Commissioner of Agriculture is authorized to "regulate the importation, sale, use, culture, collection, transportation, and distribution of noxious aquatic weed as a plant pest under Article 36 of Chapter 106 of the General Statutes". Persons violating the provisions of House Bill 554 or any rules adopted pursuant to it will be guilty of a misdemeanor and, if convicted, may be fined up to \$1,000 or imprisoned up to 180 days, or both for each offense.

A draft noxious aquatic weed list has been drawn up by representatives of several State agencies and USDA-APHIS and will be presented in a public hearing prior to implementation. The North Carolina noxious aquatic weed list will include all aquatic plants currently on or placed on the Federal Noxious Weed list, as well as other species designated by adjacent states as noxious aquatic weeds. It is the intent of the State to adopt a "good neighbor" policy to consider for adoption any aquatic plants which potentially might spread from North Carolina to waters of adjacent states where they would become a weed problem, even if a particular plant is perceived unlikely to become a serious problem within North Carolina waters. For further information, contact Dr. David DeMont (DEHNR, 919-733-4064), Mr. Gene Cross (N.C. Department of Agriculture, 919-733-6930), or Dr. Stratford Kay (N.C. State University, 919-515-5645).

Florida "Carpmaster" Invitational



During the first practice day for a recent Florida Bassmaster Invitational, North Carolina's David Fritts had an encounter with what he thought was a world-record fish. Unfortunately, it wasn't in the bass family.

Fishing about a mile up the Kissimmee River, Fritts caught the biggest fish of his career with a Poe's 400 series crankbait.

"I thought it was a monster bass for about 10 minutes," Fritts said. "When I realized it was not a bass, I thought about cutting my line, but I saw the fish and I thought it might be a record fish. It was the biggest fish I had ever seen in freshwater."

Accidentally hooking the huge fish in the tail, Fritts battled it for more than an hour on 10-pound test line before getting help from another angler. He immediately took the fish to the Okeetantie Recreation Area, where a Florida Game and Fresh Water Fish Commission employee misidentified it as a 40-pound mullet — a world-record mullet at that. The fish actually was a triploid grass carp.

Adapted from the Okeechobee News.

Waterhyacinth Here Before Exposition

Historical references usually cite the 1884 Cotton Centennial Exhibition in New Orleans as the point of entry of waterhyacinth into the U.S. However, evidence exists that waterhyacinth may have been introduced long before. In a recently published journal article by Dr. Richard Mack (*The commercial seed trade: an early disperser of weeds in the United States*, Economic Botany 42(2):257-273, 1991), it is reported that waterhyacinth was sold at least twenty years before the 1884 Cotton Centennial Exhibition. The German catalog firm Haage & Schmidt repeatedly sold waterhyacinth in the U.S. prior to 1884. Also, the plant species was sold as *Pontederia crassipes* before 1884 from the catalog of Edmund D. Sturtevant of Bordentown, New Jersey.

Reprinted from "The Aquatic Plant Management Quarterly, Autumn, 1991.

SOUTHEAST REGIONAL LAKE MANAGEMENT CONFERENCE

March 19 - 21, 1992
Kennesaw State College
Marietta, Georgia

The North American Lake Management Society is announcing the upcoming Southeast Regional Lake Management Conference to be held March 19 - 21, 1992 at Kennesaw State College in Marietta, Georgia. The topics of papers and posters will focus on: Lake Management and Restoration (e.g., Diagnostic-Feasibility Studies, Restoration Techniques, Modeling, Water Quality Surveys, etc.); Watershed Management (e.g., Whole Water-

shed Assessments/Management); Point Source Discharge Assessments; Stormwater and Nonpoint Source Pollution Assessments and Abatement; Citizen Volunteer Programs; Community Lake Protection Activities; or Federal, State, County and/or Municipal Lake Management/Restoration Programs. A conference proceedings will be published. Please contact the NALMS office at 904-462-2554 for additional information on the conference.

1991 - 1992 OFFICERS AND DIRECTORS



Left to right: Bill Zattau, Nate Dechoretz, Bill Rushing, Jim Schmidt, Joe, Zolczynski, Kurt Getsinger, Joe Joyce, Ken Langeland, Clarke Hudson, Randall Stocker (not shown - Bill Haller, Terry McNabb).

Randall K. Stocker, President	619-339-9426
J. Clarke Hudson, President Elect	407-351-3295
Joseph C. Joyce, Immediate Past President	904-392-9613
S. Joseph Zolczynski, Vice President	205-626-5153
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Terence M. McNabb, Director	206-872-5703
Donald N. Riemer, Director	201-932-9589
James C. Schmidt, Director	800-558-5106
William C. Zattau, Director	904-791-2218

Aquatic Weed Short Course Held In Raleigh

On September 30 - October 1, 1991, the Mid-Atlantic Regional Aquatic Weed Management Short Course was held at North Carolina State University in Raleigh. This course was coordinated by Dr. Stratford Kay and sponsored by the Department of Crop Science and the North Carolina Cooperative Extension Service. Aquatic weed management specialists from Florida to Pennsylvania addressed a variety of topics ranging from weed identification and ecology to all aspects of physical, mechanical, biological, and chemical management. Aquatic recertification credit was available from 12 states and the District of Columbia. The turnout was excellent. Total registration (exclusive of speakers) was approximately 165 and in-

cluded representatives from seven states and the District of Columbia. A live plant display, information displays from three state agencies, and products and services information from seven companies enhanced the success of the course.

We are planning to hold future aquatic weed management short courses at NCSU on an alternating year basis, with the next tentatively scheduled for Fall 1993. We also hope in the future to avoid the unfortunate conflict that occurred this year with the annual meeting of the Mid-South APMS and to announce the short course well in advance in the national APMS Chapter Newsletters as well as in those of other weed management and aquatic-oriented societies.

Best Wishes to Gloria Rushing!

It is always difficult when a friend is ill to adequately express your concern and to know how or what to tell their other friends about the situation. In discussing this with Bill he said (not surprisingly) just tell everyone. So, Gloria has been diagnosed with a pretty severe case of inoperable cancer. She is at home and has undergone radiation and chemo-therapy. Bill, as you would expect, is spending a lot of his time at

home with Gloria and continues to do his excellent job as Secretary/Treasurer. Bill indicates that he and Gloria greatly appreciate getting cards and letters from her APMS friends. How can you help: (1.) say a special prayer for Gloria and Bill and (2.) if you would like to drop them a note, the address is: 9318 Willow Creek Drive, Apartment H, Gaithersburg, MD 20879.

PLAN AHEAD! INTERNATIONAL SYMPOSIUM

ON THE BIOLOGY AND CONTROL OF AQUATIC PLANTS

A MEETING WITH
THE AQUATIC PLANT
MANAGEMENT SOCIETY

TO BE HELD AT
DAYTONA BEACH, FLORIDA, USA

12 - 17 JULY, 1992

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 called 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, chemical and other methods of aquatic plant management and aquatic plant sciences. The Society has grown to include several regional and state chapters; and 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.

Application for Membership

NAME OF APPLICANT _____ SPOUSE'S NAME _____

HOME ADDRESS _____ ZIP CODE _____

CURRENT TITLE, BUSINESS OR INSTITUTION NAME, AND ADDRESS _____

_____ ZIP CODE _____

WORK PHONE _____ HOME PHONE _____

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

- A. ACTIVE MEMBERSHIP \$ 35
- B. STUDENT MEMBERSHIP \$ 5
- C. COMMERCIAL SUSTAINING MEMBERSHIP \$200

Please check the following to indicate desired membership class and for additional information!

Membership Class:		Please Send Information Regarding Regional Affiliates
Active	_____	_____ Florida Aquatic Plant Management Society
Student	_____	_____ Mid-South Aquatic Plant Management Society
Commercial Sustaining	_____	_____ Midwest Aquatic Plant Management Society
Subscription	_____	_____ South Carolina Aquatic Plant Management Society
		_____ Western Aquatic Plant Management Society
		_____ Texas Aquatic Plant Management Society

AMOUNT OF REMITTANCE \$ _____ SIGNATURE OF APPLICANT _____

Send this form to: The Aquatic Plant Management Society, P.O. Box 2695, Washington, DC 20013-2695

The Aquatic Plant Management Society, Inc.
P.O. Box 2695
Washington, DC 20013-2695

