



AQUATIC PLANT NEWS

A newsletter of the Aquatic Plant Management Society, Inc./No. 34 July 1990
K.A. Langeland, Editor, University of Florida, Center for Aquatic Plants, 7922 NW 71st St., Gainesville, FL 32606

GREETINGS FROM THE PRESIDENT



I hope you have already made plans to attend the 30th Annual Meeting scheduled for July 15-18, 1990 at the Radisson Admiral Semmes in Mobile, Alabama.

I invite you to arrive at the meeting early enough on Sunday to attend the annual Board of Directors meeting scheduled for that afternoon. This is your Society, and you need to make

your concerns known to the Board. If you cannot attend, then please send your comments, criticisms, suggestions, and questions to Mr. Bill Rushing, Secretary-Treasurer, so they can be included on the agenda for consideration at this meeting.

The Society will be publishing a membership list this year, and it will be available at the annual meeting. We hope this list will be of assistance to you. Please check your name and address for any necessary corrections. We would like to include as many telephone numbers as possible in future publications, so if your telephone number is missing, please send it to the Secretary-Treasurer.

The work of the Society is carried out by its committees and members, and there are many individuals I need to thank for their effort and support during this past year, but I do not have sufficient room in this Newsletter.

However, I think it is important to recognize the effort of Terry McNabb and members of his Ad-hoc Financial Committee for their valuable assistance in evaluating ways to help bring the Society into a better financial situation. I think you will be pleased with the progress which this committee has made. I especially would like to thank Joe Zolczynski and members of his local arrangements committee for their effort and work towards this meeting.

I am looking forward to attending this meeting, and hope to see many of you there. I welcome any suggestions or comments which you may have concerning the Aquatic Plant Management Society. Please write or call [telephone (305) 475-8990] if you have any items which you would like discussed at the Board meeting scheduled for Sunday, July 15th, 1990.

Best wishes. /DLS

Pesticide Misuse Can Be Hazardous

An Israeli housewife's fight with a stubborn cockroach put her husband in the hospital with burns, a broken pelvis, and broken ribs, the Jerusalem Post newspaper reported. The wife, frightened by the insect when she found it in their living room, stepped on it, threw it in the toilet, and sprayed a full can of insecticide on it when it refused to die. Her husband came home from work, went to the toilet, and lit a cigarette. When he threw the cigarette butt into the bowl, the insecticide fumes ignited, seriously burning his sensitive parts. When paramedics were called to the home in Tel Aviv, they laughed so hard when they learned what happened that they dropped the stretcher down the stairs breaking the unidentified man's pelvis and ribs. (Ohio Pesticide Newsletter, Feb. 28, 1990).

International Adjuvants Conference Held At Virginia Tech

The Department of Plant Pathology, Physiology and Weed Science at Virginia Tech hosted the Second International Symposium on Adjuvants for Agrichemicals July 31 through August 3, 1989. Approximately 275 individuals participated, including 234 university faculty members and graduate students, corporate and association representatives, government regulatory officials, and private consultants (representing 24 Asian, European and North American countries). The two and a half day formal program featured two general sessions and the presentation of over 75 scientific papers at nine plenary, poster and technical sessions.

The Symposium was organized by a coordinating/advisory committee under the leadership of Dr. Chester L. Foy, Professor of Plant Physiology and Weed Science at Virginia Tech.

Because of increased research activity and the expressed interests of

the "international agricultural community," a third symposium is being planned for England in 1992. For information on the next symposium, contact Dr. Peter Holloway, Long Ashton Research Station, University of Bristol, Long Ashton, Bristol B5189AF, England.

(Reprinted, in part, from Newsletter Southern Weed Science Society, vol. 13, no. 1, David R. Shaw, Editor).

**SUBMIT INFORMATION
FOR
SEPTEMBER NEWSLETTER
BY
AUGUST 17, 1990
TO
KEN LANGELAND
UF, Center For Aquatic Plants
7922 N.W. 71st Street
Gainesville, FL 32606
(904) 392-9613**

WORKSHOP ON MANAGEMENT OF EURASIAN WATERMILFOIL IN NORTHERN LATITUDES

Held February 27 - March 1, 1990 at the Freshwater Foundation - Navarre, Minnesota

Eurasian watermilfoil is a recent unwelcome visitor to Minnesota which has quickly become one of the major problems affecting lakes and other water bodies in the state. Eurasian watermilfoil grows at an extremely fast pace and can create dramatic changes in water bodies where conditions are right for its spread. While this prolific exotic plant is new to Minnesota, it is no stranger to many parts of the U.S. and Canada, or to the people who work to control it in those places where it has become established.

The mounting concern about this problem in Minnesota led the Freshwater Foundation to convene a conference to look for present and future solutions. The workshop was set on the shores of Lake Minnetonka, the largest lake in the Minneapolis-St. Paul Metropolitan Area and one of the State's most important recreational resources. Eurasian watermilfoil (EWM) was found there in 1987 and has spread to encompass large areas of the Lake in just three years. More than two dozen other lakes in or near the Twin Cities have EWM infestations and many people are concerned this problem could become widespread in this "Land of 10,000 Lakes".

New Aquatic Weed Text Book In Print

Aquatic Weeds - The Ecology and Management of Nuisance Aquatic Vegetation. Ed. A.H. Pieterse and K.J. Murphy. 1990. Oxford University Press, New York. ISBN 0-19-854181-3.

This new textbook was the initiative of the European Weed Research Society (EWRS) Working Group on Aquatic Weeds. As well as the members of EWRS, scientists from all over the world were invited to contribute to the book. The book is divided into three main parts. The first is concerned with concepts, ecology, and characteristics of aquatic weeds and also includes chapters on flow resistance and the relation between aquatic weeds and public health. The second part covers the management of aquatic weeds, with chapters on various control methods, surveying and modeling of aquatic weed vegetation, utilization of aquatic weeds, and the relation between plant survival strategies and control measures. The third part deals with the present status of aquatic weed problems in the various continents.



Drawing by Laura L. Reep,
Compliments of University of Florida
IFAS, APIRS

Experts from around North America came together with Minnesotans involved in various aspects of lake and river management to devise strategies for meeting this challenge. The broad cross section of professionals included the chiefs of aquatic weed control programs, academic and research experts, federal, state, provincial and local water resources managers, and experts in biological, chemical and

mechanical control technologies. Minnesotans participating in the workshop included state and local water resource managers, fisheries managers, researchers, aquatic plant management experts, business people, lake association representatives and concerned citizens.

The workshop began with a sharing session. Experts from Oklahoma, Washington, Massachusetts, Mississippi and Florida discussed the situation across the North American continent and reviewed contemporary management strategies. In turn, Minnesota experts discussed the state's water resources and their experience with EWM. Armed with those overviews, the participants went to work in small groups to design model strategies for 1) **Prevention of the Spread of EWM**; 2) **Monitoring and Assessment of EWM infestations**; and 3) **Control of EWM infestations**.

The results of their work will be available in report (currently in draft form). For more information contact: George W. Orning, Workshop Chair
Freshwater Foundation
2500 Shadywood Road
P.O. Box 90
Navarre, MN 55392-0090
(621) 471-8407
(Adapted from: Results of Management Workshop, Eurasian Watermilfoil in Northern Latitudes draft report)

NEW SWSS WEED ID GUIDES

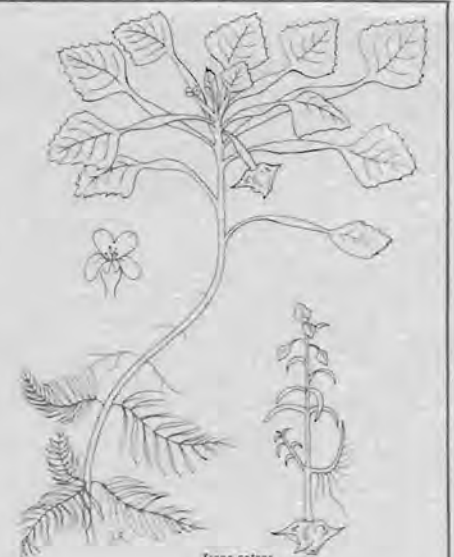
The Southern Weed Science Society is pleased to announce that Weed ID Guide Sets IV and V will soon be available. These two sets include a wide range of weeds and are a must to assist you in weed identification. With these two sets, SWSS now offers weed

ID guides (5 sets) for approximately 250 weeds. Please communicate this offering to your associates.

Submit your order to: Southern Weed Science Society, 309 West Clark Street, Champaign, IL 61820. Thank you for supporting the SWSS.

Water chestnut (*Trapa natans*), another nuisance exotic aquatic weed, is gaining a stronger foot-hold in Massachusetts's waters. Severe problems with water chestnuts have been reported at the U.S. Fish & Wildlife Service ponds at Great Meadows Wildlife Refuge in Concord, Massachusetts. The chestnut has out-competed desirable native plants there, severely impacting waterfowl and fishery habitat. Chestnut is also spreading in Massachusetts drainage systems, most notably the SUASCO. Water Chestnut needs to be a priority for citizens, legislators and regulators!
Reprinted from "The Watermark", April 1990, Gerald N. Smith

Drawing by Laura L. Reep,
Compliments of University of Florida
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ATTENTION AQUATIC SHUTTERBUGS

Plan now to enter the 1990 APMS Photo Contest. Get out your cameras, flashes, filters, telephotos and let others see your artistic impressions of aquatic plants.

Rules for Entry of Photographs in the 1990 APMS Photo Contest

1. Contest is open only to members of the Aquatic Plant Management Society (APMS).
2. Photographs containing subject matter related to aquatic plants will be considered for entry into the contest.
3. Each contestant may enter up to any number of prints, but can only win one prize.
4. Prizes will be awarded for 1st, 2nd, 3rd, and 4th places.
5. Photographs can be either color or black and white prints. There is no size restriction on the prints to be entered; however, prints of 8 by 10 inches appear to be a good size for viewing. Prints should be mounted. Vertical or horizontal format will

be considered. No 35 mm slides will be accepted.

6. Information to be included on the back of each print shall be the following:
 - a. Title of print (can be included on front of mounted prints).
 - b. Name and address, or business card of contestant.
 - c. Negative or slide from which the photograph was made.
 - d. Optional information may include camera used, film, and camera settings.
 - e. If the photograph contains recognizable people, then a model release form must accompany the print.
7. APMS retains the right to keep any or all photographs. Any photographs retained by APMS become the property of APMS for their exclusive uses. Photographs not retained by APMS will be returned to the contestant.
8. Entries must be submitted in person to the registration table prior

to noon of the first full day of the meeting.

9. Contestants must attend the meeting to win.
10. Entries will be judged on: Subject matter, Composition, and Technical merit.

Winners For The 1989 APMS Photo Contest

1st Place - "Water Lily Flower" - Wendy Andrew
2nd Place - "Developing Leaf of *Potamogeton tricaratus*" - Lars Anderson
3rd Place - "Coming in to Land-Bee's-eye View of a Water Hyacinth" - Alison Fox
4th Place - "Lily Pad" - Wendy Andrew

Rensselaer

Postdoctoral Research Associate
Research Associate

The Rensselaer Fresh Water Institute, a research center of Rensselaer Polytechnic Institute, invites applications from qualified researchers interested in limnological studies. The Rensselaer Fresh Water Institute maintains a research field station on Lake George in the Adirondack Mountains of New York State, as well as offices and laboratories on the Rensselaer Polytechnic Institute campus in Troy. Positions are open at the Postdoctoral Research Associate and Research Associate levels as commensurate with experience. A Ph.D. in a limnological science is required. Filling of these positions is contingent on the availability of research funding. Specific areas of interest include aquatic plant ecology, aquatic macroinvertebrate ecology, microbial ecology and aquatic chemistry.

Interested individuals should submit a letter of application, curriculum vitae, representative publications, and the names, addresses, and telephone numbers of three potential sources of recommendations to:

Dr. Charles W. Boylen, Director
Rensselaer Fresh Water Institute
MRC 203

Rensselaer Polytechnic Institute
Troy, NY 12180-3590 USA
(518) 276-6757

Rensselaer Polytechnic Institute is an affirmative action and equal opportunity employer.

CALENDAR

July 15-18, 1990

Aquatic Plant Management Society 30th Annual Meeting; Radisson Admiral Semmes, Mobile, Alabama.

August 2-3, 1990

South Carolina Aquatic Plant Management Society Annual Meeting; Duke Power's World of Energy Visitors Center, (near) Clemson, South Carolina.

August 13-17, 1990

European Weed Research Society 8th International Symposium on Aquatic Weeds; Swedish Agricultural University, Uppsala, Sweden.

October 2-4, 1990

Florida APMS Annual Meeting; Bahia Mar Resort Hotel, Ft. Lauderdale, Florida.

October 24-26, 1990

MidSouth APMS Annual Meeting; Lake Point Resort, Walter F. George Lodge, Lake Eufala, Alabama.

November 6-10, 1990

NALMS 10th Annual International Symposium, Sheraton Tara Hotel, Springfield, Massachusetts.

November 26-30, 1990

25th Annual Meeting of the Aquatic Plant Control Research Program (APCRP); Marriott Hotel, Orlando, Florida.

January 14-16, 1991

Southern Weed Science Society Annual Meeting; Hilton Palacio Del Rio, San Antonio, Texas.

February 4-7, 1991

Weed Science Society of America Annual Meeting; Galt House East Hotel, Louisville, Kentucky.

March 3-8, 1991

Third International Symposium on Off-Flavors in the Aquatic Environment; Los Angeles Airport Hilton Hotel, Los Angeles, California.

March 14-15, 1991

Western APMS Annual Meeting; Stouffer Madison Hotel, Seattle, Washington.

March 17-19, 1991

Midwest APMS Annual Meeting; TBA, Lansing, Michigan.

November 8, 1991

Texas APMS Annual Meeting; Windham South Park, Austin, Texas.

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!

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