



# AQUATIC PLANT NEWS

A newsletter of the Aquatic Plant Management Society, Inc./No. 29, Nov. 1988

## The President Speaks...

By all accounts, the 1988 meeting of the Aquatic Plant Management Society was a success. Attendance was again high, approaching 200 registrations before the meeting ended on Wednesday. The hotel accommodations were outstanding; e.g. our two meeting rooms were adjacent to the registration site and the spacious exhibitor's room. The Tuesday night social event, called a "Fais Do Do", featured Cajun cooking along with an authentic Cajun band and dancers. And before the evening ended, the professional Cajun dancers were joined by quite a number of amateur dancers holding APMS membership cards.

Lars Anderson planned and conducted a session on "Hydrilla Biology and Management". John Rodgers did the same for a session on "The Use of Computers in Aquatic Plant Management". Bill Zattau organized and conducted a session featuring reports dealing with "Weed and Water Resource Management under Operational Conditions". Because of this session's popularity for the second straight year, this emphasis will likely continue being a part of future programs. David Sutton planned, organized, and conducted the first ever "Photo Contest" for the APMS. Prize winning photo may be used in the future for APMS promotion or perhaps in AQUATICS magazine.

The theme for this year's meeting was "The Ecology and Management of the Aquatic Ecosystem". A keynote address was given by Ron Raschke, an EPA employee officed in Athens, Georgia, and the current President of the North American Lake Management Society (NALMS). Following Ron's presentation, Wayne Poppe, TVA, Chattanooga, gave a 45 minute short course in limnology entitled "Lake/Reservoir Ecology". This presentation was followed by a series of reports about lake/reservoir management. Lynn Lamar represented the Corps of Engineers giving examples of management



President Couch presents Presidents Plaque to Immediate Past President Richard Comes in appreciation for his dedicated ambition to the Society.

techniques the Corps uses for managing the many lakes under their jurisdiction in the United States. This was followed by a presentation given by Jim LaBounty representing the Bureau of Reclamation. He chose four lakes under Bureau control and discussed current management techniques utilized with these ecosystems. Next, Leon Bates, ably substituting for Herbert Jones, discussed the management of the TVA reservoir system. Then the emphasis shifted from federal government reservoir management to the management of urban lakes. Dan Burden related his experiences with the removal and management of three small, shallow lakes on the LSU campus in Baton Rouge. This was followed by the experiences of Dennis Bokemeier with the management of a

private lake development in Illinois. Then we heard reports of lake and reservoir management in Egypt and Scotland by Kevin Murphy from the University of Glasgow, and in Switzerland by Christopher Cook from the University of Zurich. The presentations were then followed by a panel discussion with each of the speakers serving on the panel along with Victor Bartnik of British Columbia, Canada, and Sawonee Thamasara of Thailand. John Barko, Waterways Experiment Station, moderated this symposium. John was also appointed APMS representative to NALMS for the 1988-89 year.

The real work of most all societies such as the APMS is done by active, functioning committees. Committee appointments for the 1988-89 year

See page 6



## Congratulations Lou and John: Honorary Members

Luciano Val Guerra and John E. Gallagher are two reasons why there is an Aquatic Plant Management Society. Some of their many accomplishments were listed in Newsletter No. 28 and one can see how they have strongly influenced the development of aquatic and terrestrial weed science. But more important than any tangible contributions that these two men have made is the friendship, encouragement, and enthusiasm that they have shared with the society and its members throughout the years. To show our appreciation, the Board of Directors unanimously agreed to award **HONORARY MEMBERSHIPS** to these two friends of ours. Congratulations John and Lou!

## Results of 1988 APMS Photo Contest

The first Annual APMS Photo Contest was a success. There were five individuals who entered a total of 13 pictures for judging. All the pictures were unusual and outstanding, but the four were judged to be the best of those entered. The first place winner by Mr. Dave Tarver appeared to be a print from a black and white negative, but was taken with Kodachrome slide film. Dave captured the early morning light at Banks Lake for a truly unique print and an award winning photograph. Thanks to all those who entered.

The contest will be held again next year, and now is the time for all of you photographers to begin taking those slides and negatives which can be turned into award winning photographs. The rules, which are printed below, are essentially the same as last year, with several exceptions. The main change for next year is that the slide or negative does not have to be attached to the print, but needs to be available if requested by APMS. The contestant does not need to be present to win, but all photographs must be presented in person at the Registration desk by noon Monday during the meeting. Also, it is requested that technical data, such as that recorded by Dave Tarver for his prize winning photograph, be attached to the print. This information will be helpful to other photographers as they experiment with different camera settings to create unusual photographs.

Any suggestions or comments on ways to improve the APMS Photo Contest need to be sent to David Sutton, REC University of Florida - IFAS, 3205 College Ave., Fort Lauderdale,

Florida 33314. Also, David will appreciate hearing about any suggestions on potential uses for the winning photographs.

### APMS Photo Contest Winners for 1988 are as follows:

#### 1st place

David Tarver,  
Elanco, Tallahassee, Florida.  
Title: "Banks Lake".

Technical data: Taken June 16, 1988 with Kodachrome ASA 64 slide film at f5.6 and 1/60 of a second. This slide was taken around 5:30 to 6:00 AM in the morning.

#### 2nd place

Richard Couch,  
Oral Roberts University, Tulsa, Oklahoma.  
Title: "Little Pond on the Prairie".

#### 3rd place

Allison M. Fox,  
Center for Aquatic Plants, University of Florida, IFAS, Gainesville, Florida.  
Title: "Trying to Get the Right Spot".

#### 4th Place

Greg McClain,  
Citrus County Aquatic Services, Lecanto, Florida.  
Title: "Biological Control?".

### 1989 APMS Photo Contest Rules

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 three prints, but can win only one cash prize.

4. Prizes will consist of ribbons and cash of \$100 for 1st, \$75 for 2nd, \$50 for 3rd, and \$25 for 4th.

5. Photographs can be either color or black and white prints. All prints must be 8 by 10 inches in size, and should be mounted. Prints smaller or larger than 8 by 10 inches in size will not be considered for judging. Vertical or horizontal format will be considered.

6. Information to be included on the back of each print shall be the following:

- Title of print (can be included on front of mounted prints).
- Name and address, or business card of contestant.
- Negative or slide from which the print was made needs to be available if requested by APMS.
- Optional information may include camera used, film, and camera settings.
- 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 on Monday, or the first full day of the meeting. However, the contestant does not have to attend the meeting in order to win.

9. Entries will be judged on:

- Subject matter,
- Composition, and
- Technical merit.



# Summary of Society Actions 28th Annual Meeting

July 88  
New Orleans, LA

By-laws were amended to provide for moderate increase in annual dues for active and subscription members to \$35.00.

By-laws also amended to clarify the wording on qualifications for honorary membership; this was basically a housekeeping clarification to be sure the proper intent is achieved.

John Gallagher and Lou Guerra were elected to honorary membership in the Society.

Joe Joyce was awarded \$100.00 for sponsoring the most new members during the year. Joe immediately donated the amount to the Bill Maier Scholarship Fund.

The following members were nominated and elected to office by the Society:

David Sutton - President Elect

Joe Joyce - Vice President

William Haller - Editor

Steve de Kozlowski - Director for three years

Doug Pullman - Director for three years

The APMS has been asked to enter into an agreement to exchange exhibit booths with the North American Lake Management Society at our respective annual meetings. The membership committee has been asked to coordinate this.

Joe Joyce is the new representative to CAST. Bill Haller was given a big thanks for his dedicated service in



**Aquatic Plant Management Society Officers for 1988-89. From left to right: Bill Haller, Editor; Doug Pullman, Director; Richard Comes, Immediate Past President; Joe Zolczynski, Director; Dave Spencer, Director; Ken Langeland, Newsletter Editor; Bill Rushing, Secretary/Treasurer; Clark Hudson, Director; Richard Couch, President (front); Steve De Kozlowski, Director (rear); Joe Joyce, Vice President; Dave Sutton, President Elect.**

that capacity for the last nine years.

The Past Presidents Advisory Committee has been given the responsibility of requesting nominations for the special Presidential awards and for evaluating the nominees. This award will be considered annually but not necessarily awarded that often.

The 1989 annual meeting will be held at the Hyatt Regency Scottsdale, Arizona, July 16-19. The 1990 meeting will be held at the Radisson Admiral Semmes Hotel, Mobile, Alabama, July 15-18. The 1991 meeting is currently planned for the midwest area with close coordination with our midwest chapter.

A membership survey is being planned within the next year similar to the one we sent out about six years ago.

Considerable discussion was held regarding the institution of page charges for the Journal. The publications committee will come to the Mid-winter 1989 Board meeting with suggestions regarding this subject. Members who would like to comment on this should contact Editor, Bill Haller.

Board of Directors will be held in Phoenix on Monday Feb. 6, 1989.

Attendance at annual meeting was approximately 200.

Winners of the student paper contest were:

1st prize - Glenn Turner

2nd prize - Mike Netherland

3rd prize - T.R. Willard

4th prize - Mark Mossler

The Exhibitors prize went to one of our new exhibitors and new Sustaining member, Hydrolab, Inc. Thanks to Jim Flynn for his fine and well-manned exhibit.

## Nominations for Honorary Members Requested

Each year the Society considers members for election to the status of Honorary Member. The Bylaws state that to be eligible a member must 1) have made a significant contribution to the field of aquatic plant management 2) be retired and no longer employed in this field 3) have been a voting member of the Society for at least 10 years 4) have actively promoted the Society and its goals. According to the Bylaws, nominations for Honorary member status shall be submitted to the Bylaws Committee through a petition signed by 10 members of the Society. Please submit nominations by December 1, 1988, to D.F. Spencer, USDA Aquatic Weed Lab, Department of Botany, University of California, Davis, CA 95616 (telephone 916-752-6260).



**Glenn Turner, Department of Biological Sciences, Clemson University, receives awards from Bill Rushing for First Place in the Student Paper Contest.**

# USNPS and USEPA Hold Symposium on Hydrilla Biocontrol

A two day symposium was convened by the U.S. National Park Service National Capital Region (USNPS) and the U.S. Environmental Protection Agency (USEPA). The meeting took place at the Potomack Washington Landing Marina in Alexandria, Virginia.

The main groups represented by the attendees were:

- Potomac River jurisdictions (State of Virginia and Maryland and the District of Columbia).
- Federal Agencies interested in SAV management (USEPA, USNPS, USDA, USGS, TVA, USFWS).
- Land Grant Universities (mainly scientists presently involved in SAV biocontrol research).

## Purpose of the Symposium

To convene a group of national experts on SAV biocontrol who would share their knowledge and experience with the larger group. Special emphasis to be given the issue of Hydrilla because of its local impact on the Potomac River system.

## Meeting Highlights

The first half day of the symposium was dedicated to oral presentations by SAV experts from various universities, state and federal agencies. The afternoon was used for open discussion on SAV control, Hydrilla control and the Potomac River SAV historical and present status.

The second day was spent on a field trip that covered various areas of the Potomac River now inhabited mainly by Hydrilla. Several SAV mixed beds were also visited.

## Majority Opinions

1. Most of the scientists present agreed that Hydrilla, whenever present in significant numbers in a habitat, has invariably, in the long run, taken over most of the habitat. The end result lower biological diversity, productivity and economic usefulness (fishing, transportation, etc.).

2. Further, most of the scientists agreed that the traditional ecological principle of ecosystem species diversity, fostering stability, balance and enhancing overall biological productivity also applies to SAV habitats.

3. Now there are no acceptable or workable SAV biocontrol methods that could be used on temperate zone SAV habitats such as the Potomac River system.

4. Given the consistently adverse effects that Hydrilla has had elsewhere, it would be wise for local jurisdictions to ask the U.S. Corps of Engineers (USCOE) to sample the Potomac River in search of potential biocontrol agents for Hydrilla, should these measures prove to be needed. If Hydrilla, faithful to its track record becomes a serious pest in the Potomac and if no safe and tested control measures are available at that time, the cost, both in money and ecological damage could be considerable.

If no effective and safe Hydrilla biocontrol agent is found in the Potomac River, the fruits of the search for similar biocontrol agents that the USCOE will be initiating in the temperate inland areas of China may become useful.

5. Most of the persons representing local jurisdictions, and some of the local scientists, believe that if the Hydrilla population of the Potomac remains somewhere near present levels, no measures other than the existing mechanical harvesting of selected areas should be undertaken. These persons believe that Hydrilla, up to this point, has improved the water quality and usefulness of the Potomac.



Surface matted hydrilla collects debris in the Potomac River, September, 1988.

6. Resources used to develop biocontrol SAV agents should be equally allocated to each and all promising areas, such as microbiological agents (fungi, bacteria, viruses), entomological agents (insects), etc. No particular area of research should be allowed to corner a major portion of the available resources.

7. Biocontrol agents should be used in combination rather than alone. A microbial herbicide combined with a predatory insect are likely to produce better results than if used separately.

8. The exploration and discovery of biocontrol agents is better undertaken by an interdisciplinary team of specialists rather than by the traditional single discipline approach.

9. If, and when, biocontrol becomes the best alternative to manage Hydrilla in the Potomac River, it will be the local entities with jurisdiction over the river that will decide on its use.



# The Aquatic Plant Management Society 1988-89 Committee Assignments

## ARCHIVES:

Joe Joyce, Chairman  
(904) 392-9613  
John Gallagher  
Don Riemer  
Bill Rushing

## BYLAWS & RESOLUTIONS:

David Spencer, Chairman  
John Inabinet  
Les Sonder  
Kerry Steward

## EXHIBITS:

Terry McNabb, Chairman  
Terry Goldsby  
Bernalyn McGaughey  
William Moore  
Paul Myers  
David Tarver

## INTERNATIONAL CONTACTS:

Randy Stocker, Coordinator

## LEGISLATIVE:

James Schmidt, Chairman  
Leon Bates, MidSouth APMS  
David Tarver, Florida APMS  
Steve de Kozlowski, SC APMS  
Nate Dechoretz, Western APMS  
Richard Hinterman, Midwest APMS  
Lyn D. Luben, At-Large

## LOCAL ARRANGEMENTS:

Winn Winkyaw, Chairman  
Randy Stocker  
Fred Corbus

## MEMBERSHIP:

Ed Theriot, Chairman  
Mike Stewart  
Steve de Kozlowski  
Michael Mahler  
Fred Nibling  
Randy Stocker  
Don Riemer  
Bill Rushing  
James Schmidt  
Joe Stephenson  
Joe Zolczynski

## NECROLOGY:

Max McCowen, Chairman  
Carole Lembi  
Fred Nibling  
Dan Thayer  
David Webb

## NOMINATING:

Richard Comes, Chairman  
Fred Nibling, Western APMS  
Earl Burns, MidSouth APMS  
John Inabinet, SC APMS  
Eddie Knight, Florida APMS  
Richard Hinterman, Midwest APMS

## PAST PRESIDENTS ADVISORY:

Richard Comes, Chairman  
All past presidents

## PLACEMENT:

John Rodgers, Chairman  
Al Burkhalter  
Kurt Getsinger  
Steve Klaine  
David Tarver

## PROGRAM:

David Sutton, Chairman  
Bill Zattau, Operations Session(s)  
Ken Langeland

## PUBLICATIONS:

Bill Haller, Editor & Chairman  
Richard Couch, Associate Editor  
Ken Langeland, Newsletter Editor  
Harold Ornes  
Dave Spencer  
Bill Zattau  
John Cassani

## PUBLICITY:

Doug Pullman, Chairman  
Program Chairman David Sutton  
Local Arrange. Chm. Winn Winkyaw  
Nate Dechoretz

## REGIONAL CHAPTERS:

Steve de Kozlowski, Chairman  
Eddie Knight, Florida APMS  
Leon Bates, MidSouth APMS  
Richard Hinterman, Midwest APMS  
Tim Drake, South Carolina APMS  
Barbara Mullin, Western APMS  
Peter Newroth, Canadian Rep.

## SITE SELECTION:

Richard Hinterman, Chairman  
Vice President Joe Joyce  
Sec/Treas. Bill Rushing  
Don Lee

## STUDENT AFFAIRS:

Steve Klaine, Chairman  
3 Don Riemer (201) 932-9771  
1 Kurt Getsinger  
Ron Dillon (503) 656-3582  
2 Carole Lembi (317) 494-7887  
(A) Hestadahl

## CAST REPRESENTATIVE:

Joe Joyce, 1988-91

## WSSA REPRESENTATIVE:

Lars Anderson, 1988-91

## NALMS REPRESENTATIVE:

John Barko, 1988-89

## Meetings

### Come to Hawaii with WAPMS

The Western Aquatic Plant Management Society will hold its annual meeting on March 16 and 17, 1988 at the Alamoana American Hotel in Honolulu, Hawaii. The meeting will focus on the latest technology and research findings on the management of aquatic plants that grow in lakes, reservoirs, and irrigation systems. For further information contact: David Spencer, USDA Aquatic Weed Control Research Lab, Botany Department, University of California, Davis, CA, 95616, (916) 752-6260.

### ASACE to Hold 23rd Annual Research Review

The 23rd Annual Meeting and Program Review of the U.S. Army Corps of Engineers' Aquatic Plant Control Research Program will be held at The Palm Hotel in West Palm Beach, Florida, during 14-17 Nov. 88. On Wednesday, 16 Nov., there will be a special morning session devoted to Lake Okeechobee followed by a field trip to the lake in the afternoon. Airboats will be available to provide a tour of the lake to view the aquatic plants and related problems. Invitations and hotel registration cards will be mailed soon and will be available at APMS chapter meetings. The point of contact for more information regarding the meeting is Ms. Billie Skinner, 601-634-3701, at the USAE Waterways Experiment Station in Vicksburg, Mississippi.

### European Weed Research Society 8th International Symposium on Aquatic Weeds, Sweden, 1990

Following on from the 7th Symposium in this series, held in Loughborough, England in 1986, the EWRS 8th International Symposium on Aquatic Weeds will be held 13-17 August 1990 at the Swedish Agricultural University, Uppsala, Sweden.

Members of APMS, and all others interested in aquatic weed biology and management, are warmly invited to attend.

For further details please contact:

Dr. Kevin Murphy  
Department of Botany  
The University of Glasgow  
Glasgow G12 8QQ  
Scotland, UK.



Left: Experts discuss the possibility of cross-pollination between monoecious and dioecious hydrilla during the "Hydrilla Symposium".

### President Speaks...from page 1

were based, when appropriate, upon the recommendations of committee chairpersons. These assignments are listed elsewhere in this Newsletter. The International Contacts Committee was delegated to Randy Stocker serving as coordinator for this area of Society activity. Randy will determine what needs doing and recruit those needed to help him get the job done. A new committee was formed. It is the Archives Committee. Joe Joyce will chair the committee. Serving on the committee will be John Gallagher, Don Riemer, and Bill Rushing. They will begin the task of finding a permanent home for the historical records of the APMS.

The '89 meeting will be July 16-19th at the Hyatt Regency in Scottsdale, Arizona, a suburb of Phoenix. It isn't too early to begin making plans for attending — and for making one or more presentations. Dave Sutton, program chairman for the '89 meeting, is already busy on program development. The theme for the meeting will be the management of aquatic plants in irrigation canals — what else for a meeting in Arizona??? Winn Winkyaw is also working on the possibility of a tour of the Salt River Project.



Virginia Van Sickle, Secretary, Louisiana Department of Wildlife and Fisheries started the Twenty-Eighth Annual Meeting of the Aquatic Plant Management in New Orleans with a warm welcome.

Above/Right: After the work we done APMS members relaxed with a Fais Do Do.



### WSSA Welcomes APMS as New Conference Member

The following is reprinted, for the interest of APMS members, from WSSA Newsletter 16(2), April 1988.

"Welcome to APMS! The Weed Science Society of America Board of Directors at its meeting on February 1, 1988 unanimously voted to approve the Aquatic Plant Management Society as a new conference member of WSSA. Thus, the APMS joins the Northeastern Weed Science Society, the Southern Weed Science Society, the North Central Weed Control Conference, the Western Society for Weed Science and the Expert Weed Committee of Canada as WSSA conference members. Past President Jean Dawson and President-Elect Homer LeBaron were instrumental in encouraging APMS to join our ranks. The President of the APMS is Richard D. Comes and the APMS representative on the WSSA Board of Directors is Lars W.J. Anderson. We look forward to an expanded role of APMS in WSSA affairs."

### EPA Decides Against a 2,4-D Investigation

The Environmental Protection Agency won't question, for the time being at least, continued use of 2,4-D (2,4-dichloro-phenoxyacetic acid) and some of its derivatives. A 1986 study by the National Cancer Institute and the University of Kansas linked 2,4-D to an increased cancer risk among farmers (see Chemical Courier, October 29, 1986). EPA decided against a special review of the herbicides used to control broadleaf weeds in cereals, grains and sugarcane, on range and pastureland, in forests, and

on lawns and golf courses. The decision was based on the opinion of EPA scientists, national experts and the Scientific Advisory panel - established by the Federal Insecticide, Fungicide and Rodenticide Act - that epidemiologic and animal data are "inadequate" to assess 2,4-D's carcinogenic potential. About 60 million pounds of the herbicides are used annually in the U.S. (Chemical Week 142(12), March 23, 1988 by way of LSU Chemical Courier).



## Pest Control Guide Available On Floppy Disc

The Florida Pest Control Guides contain cultural and chemical control recommendations for various pests of Florida crops and commodities. The Control Guides Access Program was devised to allow easy access to information in the Control Guides Databases. This program is required to use the floppy disk version of the Control Guides Databases listed below.

The following Control Guides Databases may be purchased separately and require the Control Guides Access Program.

**055.1 1988 Insect Control Guide**  
Recommendations for insects in Turf and Ornamentals, Livestock, Forestry, Field Crops and Pasture Grasses, Fruit and Nut Crops, Poultry, Household, Stored Products, and Vegetable Crops.

**055.2 1988 Weed Control Guide**  
Recommendations for weeds in Fruit and Nut Crops, Field Crops, Turf and Ornamentals, Vegetable Crops and Fence Rows and Non-Cropped Areas; Also, Principles of Weed Control, Application Equipment and Calibration, Herbicides, and Poisonous Plants.

**055.3 1988 Nematode Control Guide**  
Recommendations for nematodes in Turf, Nursery Crops, Landscape Ornamentals, Fruit and Nut Crops, Commercial Vegetables, Home Gardens, and Agronomic Crops; general information on Nematology and Nematicides.

**055.4 1988 Plant Disease Control Guide**  
Recommendations for plant diseases in Ornamentals and Turf, Field Crops and Pasture Grasses, Vegetable Crops and Fruit and Nut Crops; information on General Plant Pathology and Fungicides.

**055.5 1988 Aquatic Weed Control Guide**  
Recommendations for weeds found in or on water and on ditch banks and shorelines; general information on weed control and care and cleaning of application equipment.

For more information contact:

Mail orders to:

IFAS Software Communication  
and Distribution  
c/o Dennis G. Watson  
Building 120, Room 203  
University of Florida  
Gainesville, FL 32611

Telephone:

(904) 392-7853

## Want A Fish? Try Floating a Flower

We live on the banks of a canal in Pompano Beach and one day while looking out the window I noticed that something was hitting the blossoms that had dropped off our orchid tree.

I couldn't imagine what was going on, but I called my 11-year-old daughter, Julie, and told her to watch with me. Both of us love fishing, so I told Julie to put an orchid blossom on her hook and cast it out. Flowers don't cast well, as you might imagine, and we both felt a little silly using one for a lure but sure enough, as the flower floated on the surface, a fish struck it.

Julie set the hook and, after a short fight, landed a four-pound grass carp, which goes to show that a fish—and not just fisherman—can be coaxed into falling for funny baits.

Grass carp are natives of Asia and are vegetarians said to consume great quantities of aquatic grasses. In the past, the fish were purchased from dealers in other states and stocked by developers, golf course operators and

other landowners to control weeds in waterways.

Because of concerns that the fish would begin reproducing in the wild with unknown consequence to the freshwater environment, the private stocking of true grass carp was made illegal. A check with the Game and Fresh Water Fish Commission's West Palm Beach office, however, provided the information that urban waterways in Florida were stocked with sterilized grass carp, following the issuance of the proper permits.

We're not really sure just how this grass carp came to be in our canal. But something else is troubling us even more:

The orchid tree doesn't bloom all year and after much frantic but fruitless searching through tackle counters and catalogs, we still don't know where to get an artificial lure that imitates a flower. Hank Ackerman — Reprinted from Florida Sportsman, 5901 S.W. 74th Street, Miami, Florida 33143.

## Connecticut Cracks Down on Illegal Grass Carp

Connecticut began allowing the use of triploid grass carp for aquatic plant control in January 1988. However, according to information provided by the United States Fish and Wildlife Service, about 50 country clubs and private pond owners had brought illegal diploid fish into the state prior to this date. Robert A. Jones, director of the state's Environmental Protection Department's Fisheries Bureau, said

"The regulations of this agency prohibit the introduction or possession of this species [diploids] of fish because of the potential for significant environmental damage if released into the waterways."

This summer the department's agents visited ponds across the state and told the owners to get rid of the fish by draining the ponds or applying rotenone. According to the department's law enforcement bureau, violators who refuse to take corrective action will be prosecuted. Each illegal fish can be considered a violation and state law provides a maximum penalty of up to \$200 and 60 days in jail for each count.

One pond owner responded, "I just can't understand it. We're punching holes through the ozone. Medical waste is washing up on the shore. And they're more concerned about fish in my pond. It's just bizarre."

## Hydrilla Found in Tombigbee

Three Pools have been surveyed on the Tennessee-Tombigbee for aquatic weeds so far this year. There has been increases from 1987 in Eurasian Watermilfoil coverages of 200 acres in Aliceville Lake, 32 acres in Aberdeen Lake and 35 acres in E Pool. Aquathol K herbicide was used to treat 40 acres

on Aliceville, 20 on Aberdeen and 180 on E Pool for Eurasian Watermilfoil in August 1988. Hydrilla has been identified on the Waterway for the first time. A small but wide spread area was found in Aliceville Lake. A 90 acre area is being recommended for treatment. Norman Connell, COE, Mobile District.

# APPLICATION FOR MEMBERSHIP

There are three regular classes of membership available upon application made in accordance with the Charter adopted in 1961. These classes are:

- A. Active Membership ..... \$35  
B. Student Membership ..... \$5  
C. Commercial Sustaining Membership ..... \$200

Name of Applicant \_\_\_\_\_ Spouse's Name \_\_\_\_\_

Home Address \_\_\_\_\_ Zip Code \_\_\_\_\_

Present Title & Employer \_\_\_\_\_

Business Address\* \_\_\_\_\_ Zip Code \_\_\_\_\_

Business Phone \_\_\_\_\_ Home Phone \_\_\_\_\_

Amount of Remittance \$ \_\_\_\_\_ Signature of Applicant \_\_\_\_\_

Membership Type: ACTIVE: \_\_\_\_\_ COMMERCIAL SUSTAINING \_\_\_\_\_

STUDENT: \_\_\_\_\_ SUBSCRIPTION \_\_\_\_\_

\*Please indicate address to be used by our business office.

## AQUATIC PLANT MANAGEMENT SOCIETY, INC.

The Aquatic Plant Management Society, Inc., is an international organization of scientists, educators, administrators and concerned individuals interested in the management and control of aquatic plants. The membership reflects a diverse collection of federal, state and local agencies; researchers, professors and students from universities and colleges around the

world; corporations; commercial applicators; and others dedicated to promoting research and sharing information about aquatic plant management.

Originally called The Hyacinth Control Society, Inc., when founded in 1961, The Aquatic Plant Management Society, Inc., has evolved into a respected source of expertise in the

aquatics field. The Society has grown to include several regional or state chapters; and through these affiliates, annual international meetings, newsletters, and the *Journal of Aquatic Plant Management*, members keep abreast of the latest developments in biological, mechanical, chemical and integrated methods of aquatic plant management and control.