



The MidSouth Aquatic Plant Management Society

APRIL 1993

NEWSLETTER

VOLUME 11, NO 1

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BUSINESS MEETINGS

The 11th Annual Meeting of the Midsouth Aquatic Plant Management Society was held September 30 to October 2, 1992 at Lake Guntersville State Park in Alabama. The following is a synopsis of the Board Meetings, Business Meetings, Technical Sessions, and the 1992 Financial Summary.

September 30, 1992 - President Randall Goodman called the Board of Directors meeting to order.

Scott Lankford indicated that Alabama Power Company attorneys had completed all the necessary paper work on the Midsouth Aquatic Plant Management Society tax exempt application and had sent this information to the IRS. *** what is status*** The status of the scholarship fund was discussed. A committee chaired by David Bayne prepared documents outlining criteria for students seeking to obtain financial support from the Society. These documents must also be reviewed by the IRS.

Secretary/treasurer Jerry Moss reported the Society was in good financial condition with a current balance of \$4,213.23. Donations from industry representatives have provided valuable support to the Society and is greatly appreciated. Three certificates of deposits (\$1,000 each) were rolled over and their maturity date was arranged so that they would mature at the same time.

Editor Doug Powell indicated that the new Society brochures were printed and available for distribution. To date, Alabama Power Company has printed new stationery for the Society as well as preparing and paying for all newsletter costs. Doug indicated that financial constraints incurred by Alabama Power Company jeopardized continue future monetary support to the Society. Appreciation was extended to Alabama Power Company for past support of the Society. Industry sponsors were also recognized for helping to pay for refreshments. *** can a list of sponsors be obtained***

October 2, 1992 - Randall Goodman called the final business meeting to order.

David Franks reported the results of newly elected Society officers:

President Elect - Fred Harders

Secretary/treasurer - George Chambers

Editor - Mike Maceina

Directors - Doug Powell, M. C. McLeod

President Goodman awarded certificates of appreciation to Doug Powell, Jerry Moss, Carlos Scardina, and Tom Broadwell. Cash awards of \$25 were given for student papers presented by Arthur W. Dunn from the University of Mississippi and Tim Lee from Clemson University.

A proposal to sell the Society mailing list was discussed and a vote was approved to allow our list to be sold by the Florida Aquatic Plant Management Society.

Jerry Moss presented the secretary/treasurer's report for the 1992 Annual Meeting.

1992 Financial Summary

Total registered	100
Total paid dues	90
New members	17

Income

1992 Corporate Donations	\$950.00
Barbecue Tickets (84)	840.00
Golf Tournament Reg. (14)	420.00
Paid Annual Dues (90)	890.00
Paid Registration (100)	492.50
Cash On Hand	150.00
Extra Door Prize Tickets	422.00
Total Income	\$4,164.50

Expenses

Barbecue Catering Service	\$870.10
Presidents Plaque	71.43
Postage	29.00
Registration Supplies	70.54
Door Prizes (purchased)	105.56
Door Prizes (cash)	200.00
Golf Tournament Awards (cash)	50.00
Student Paper Awards (cash)	50.00
Field Trip Snacks (cash)	109.00
Lake Guntersville Lodge (rentals, coffee breaks, etc)	899.41
Total Expense	\$2,445.04

TECHNICAL SESSIONS

Dr. Ken Langeland with the Center for Aquatic Plants at the University of Florida provided the keynote address. Ken's acting ability, which up until this time has remained a secret, got the crowd going with his performance on Mr. John Q. Public's reaction to aquatic plant control and research activities.

During the meeting, 23 technical papers were given from industry, government, and university representatives. In addition, 16 industry and government updates on aquatic plant control activities were presented. Many of the talks focused on the Joint Agency Project being conducted by the U. S. Army Corps of Engineers Waterways Experiment Station and the Tennessee Valley Authority (TVA) for aquatic plant management activities on Lake Guntersville. Lake Guntersville is an impoundment of the Tennessee River that historically has experienced Eurasian milfoil problems. However, the lake currently supports one of the best bass fisheries in the country and this may be due to the presence of milfoil.

The goal of the management program on the lake is to control excessive growth of aquatic plants, but maintain a certain level of plants for fish and wildlife resources. Hydrilla entered the lake in the early 1980's and expanded to 3,000 acres by 1988. TVA stocked 100,000 grass carp in 1990 that completely eliminated the hydrilla two years later, but coverage of milfoil expanded during this time. Because hydrilla can inhabit deeper water depths than Eurasian milfoil, the potential for severe plant infestation existed in this shallow reservoir. Almost everyone agreed that grass carp stocking in Lake Guntersville was a success. On Lake Guntersville, other biological, chemical, and mechanical control measures are being examined. The filamentous blue-green alga, *Lyngbya*, appears to be expanding in the lake, which for the most part, is considered an undesirable plant.

FINAL BUSINESS AND BOARD OF DIRECTORS MEETING

New-elected President Earl Burns was introduced by outgoing president Randall Goodman. President Burns awarded Randall with the President's Plaque.

A new meeting date and a proposed joint meeting with the Alabama Fisheries Association was discussed. A mid-year Board of Directors meeting would be held on February 17, 1993 at Auburn University.

Final business meeting was adjourned by President Earl Burns.

WINTER BOARD MEETING

Auburn University, Auburn, Alabama

TENNESSEE VALLEY AUTHORITY'S AQUATIC PLANT MANAGEMENT PROGRAM

The Tennessee's Valley Authority's (TVA) aquatic plant management program is designed to control non-native aquatic plants, which have few natural controls in the Tennessee River environment, and balance the vegetation's positive and negative impacts for a wide variety of river users. A 1972 Environmental Impact Statement prepared by TVA concluded that TVA's approach of fluctuating water levels and application of herbicides did not significantly affect the environment.

Only aquatic vegetation around high use areas is treated with herbicides, and then only if the vegetation is so abundant it prevents and threatens the primary uses of those areas.

TVA regularly conducts herbicide residue monitoring of drinking water intakes, and has conducted special monitoring studies of water, sediment, plants, mussels, and fish to ensure the safety of the environment and human health. TVA is also evaluating alternative controls, including mechanical harvesting, other desirable and competitive plants, grass carp, insects, fungi, and other natural controls found in the exotic plants' native habitat.

Copies of TVA's Aquatic Plant Management Program can be obtained from John Doty in Public Relations (615-632-3572 or 632-6000).

TVA AQUATIC MACROPHYTE UPDATE

Aquatic macrophyte coverage in the TVA system is expected to increase in 1992. The greatest increases in macrophyte coverages are projected for Lakes Kentucky and Wheeler, while a small increase is anticipated in Lake Guntersville. In 1991, aquatic macrophyte coverage within the entire system was 13,593 acres, the lowest level since the late 1970's. Coverage peaked at about 46,000 acres in 1988 at the end of a record drought that began in 1984.

In 1992, only 520 acres of aquatic vegetation were treated with herbicides in the entire Tennessee River. This represented less than 0.1% of the surface area of the entire system and 3% of the total vegetation. This compares to over 8,000 acres of treatment conducted in 1987 when near peak coverage of plants occurred.

Congratulations to Dr. Buff Crosby, the recipient of the 1992 John Henry Comstock outstanding graduate student award given by the Entomological Society of America at their annual meeting. Dr. Crosby is a 1992 graduate of New Mexico State University. She recently joined the TVA Vector and Plant Management staff and will be developing a pesticide monitoring program.

PAST NEWSLETTER EDITOR'S CORNER

In support of the arts and humanities the following poem was submitted by the previous newsletter editor for the Society:

A member whose last name begins with "Z", was inadvertently not mentioned in the last newsletter by me.

To correct this awful and terrible defect, let me note Joe Z of the APMS is now president-elect.

So if you see "Z"
Give him a handful for you and me.

No - not intentionally was this deed done, but correcting it with a poem was quite fun.

Doug Powell

Congratulations to Joe Zolczynski on being elected to the President of the Aquatic Plant Management Society for 1993-1994. *****info on the national meeting in Charleston SC in July 1993**

AQUATIC PLANTS AND FISH IN FLORIDA

Recently, Dan Canfield and Mark Hoyer with the Department of Fisheries and Aquacultures at the University of Florida completed a five-year study and submitted a final report entitled "Aquatic Macrophytes and Their Relation to the Limnology of Florida Lakes".

The report examines the complex relationships among nutrients, phytoplankton algae, aquatic macrophytes, birds, and fish population characteristics for 60 Florida lakes.

A question that fishery and aquatic plant managers often ask is "what coverage of plants does a lake or reservoir need to maintain a viable sport fishery if any at all?" These authors suggest that a moderate amount of aquatic macrophytes would be beneficial to most Florida lakes. Coverage of 15% with emergent, floating-leaved, and submersed vegetation will likely reduce the probability of any adverse fish problems and may be a reasonable management objective for many Florida lakes. However, extremely high infestations of aquatic plants was associated with a decline in harvestable fish biomass. The authors also concluded that some sport fish populations show no affect of complete macrophyte removal, while others were negatively affected. Like all studies, there is a lot of variation among water bodies.

The report is very comprehensive and is over 600 pages long. Copies of the report can be obtained for \$16.00 each from: Publications- IFAS Building 664, P O Box 110011, Gainesville, FL 32611-0011 (800-226-1764).

AQUATIC PLANT SCHOLARSHIP GRANT

The South Carolina Aquatic Plant Management Society is seeking applications for its annual scholarship grant. The Society intends to award its annual \$1,000 grant to the successful applicant in fall 1993. 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. Coursework or research in the area of aquatic plant management or aquatic ecology related to the Southeast is required.

Applications must be received no later than June 1, 1993 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 coursework 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 application may be required 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, S. C. Water Resources Comm., 1201 Main Street, Suite 1100, S. C. 29201 (phone 803-737-0800) for additional information on applications procedures.

what about scholarship fund for the mid-south society**

*****info from the AL Game and Fish on Aquatic plant activities

*****info from the U. S. Army Corps of Engineers
Mike Eubanks - Joe Knight, Lake Seminole*****

info from industry, new herbicides etc, labelling**