AQUATIC PLANT NEWS

A newsletter of the Aquatic Plant Management Society, Inc. No. 37 July 1991

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Committee Raises Funds For Scholastic Endowment

From our beginning, support of student scholarship has been a goal of the APMS. Donations in recent years from Valent Corporation and the fund raisers at annual meetings provided a seed for the APMS scholastic endowment.

President Joe Joyce has taken steps to make this endowment viable by appointing an ad hoc committee to raise funds for student scholarships and activities. Many avenues will be followed to raise money, such as requesting funds from industry, continuing a yearly fund raiser, and appealing to the membership for donations.

Many of our corporate sponsors have helped this society in the past with timely donations. This year is special, we will try to contact all companies to solicit support for the APMS scholastic endowment by making a tax deductible contribution. At present we have received generous cash contributions from ATOCHEM, JLB International and Valent.

The fund raising committee is busy at this time securing raffle prizes for the annual meeting. Prizes already donated include: a beautiful custom framed print titled "Nesting Egrets", a hand carved decoy by a Mobile Alabama artist, and a series of collectors prints donated by Terrance McNabb.

The print "Nesting Egrets" is an artist proof limited edition (200) of an original painting by Joe Huggins of Daphne, Alabama. Mrs. Huggins is an accomplished, dedicated artist who spends from 6 - 8 hours each day painting. Her work has been shown in galleries throughout the U.S., Europe, and Australia. Many of her works have taken the blue ribbon for best oil at art shows in the southeast. During February 1991, her work was showing at prestigious Gelabert studios gallery in New York City. this print, from an artist whose work hangs in private and corporate collections throughout the U.S. and Europe, is valued at more than $400.

The decoy is a hand carved ringneck drake from the personal collection of Mobile artist Hal Wheeler. He is a renowned wood carver specializing in waterfowl.

The Prints donated by Terry McNabb are a set of four wildlife prints in a series from 1987- 1990. These are limited edition prints by Bill Pendegrass that are valued at $1200.

Some members have indicated a desire to donate directly to the fund; and as a result of action at the Midwinter Board Meeting in Orlando, members will be able to make a donation to the scholastic endowment when paying registration. If we each make a donation this year, our endowment will be off and running.

CSIRO Scientist Develops Way To Eradicate Alligator Weed

A team of aquatic plant management experts led by Dr. Kathleen Bowmer of the CSIRO Division of Water Resources in Griffith NSW have found a way to eliminate the dreaded noxious Alligator Weed.

Alligator Weed is known as one of the most aggressive aquatic plants introduced to Australia.

Dr. Bowmer said, "its capacity to colonise rivers and pastureland makes this plant a potential threat to a large portion of Australia including rivers, wetlands, irrigation country and flood control systems.

"Since the weed is already present in the Murray Darling Basin the irrigation areas of this river system are threatened.

Alligator Weed can take over wetlands, is a threat to irrigated agriculture and can choke the water supply and drainage systems of crops.

"It has the capacity to thrive on both water and damp soil and in temperate and tropical zones.

"A recent outbreak has been discovered at the Botany Wetlands in Sydney near the Lakes Golf Course."

Alligator Weed is often found in pastureland and rivers can survive drought periods. It has woody underground storage organs which give the weed incredible resilience.

In three years of research Dr. Bowmer's team have tested hundreds of herbicides.

Eliminating Alligator Weed was seen as a national priority and Dr. Bowmer's team received a research grant from the National Water Research Program in 1988 to study the weed.

Dr. Bowmer said, "Alligator Weed in pasturelands can be treated by using three repeated sprays of Brushoff (metsulfuron) at a cost of $150 per hectare. Registration is being investigated through the manufacturers, Du Pont.

Kath Bowmer & Geoff McCorkelle check their calibration while applying experimental herbicides to alligator weed at their field site near Williamtown, New South Wales.

"For treating the weed in waterways Casoron (dichlobenil) followed by a spray of Roundup (glyphosate) is proposed.

"What is needed now is a national program to establish strategies to eradicate the weed from the main infestation near Newcastle, as well as other smaller outbreaks."

The weed has been found near Newcastle, Albury, Camden and Sydney.

Alligator weed spreads from very small fragments, so can be transported by machinery, in turf or in animal hooves.

Biocontrol will keep Alligator Weed at an acceptable level in water but insects will not control the weed growing on dry land.

A final report titled: **Alligator Weed Control, Project 86/85,** (K.H. Bowmer, G. McCorkelle and P.L. Eberbach) will be available from Land and Water Resources Research and Development Corporation, GPO Box 858, Canberra ACT 2601 or from Ms. M. Lowe, CSIRO Division of Water Resources, GPO Box 1666, Canberra ACT 2601.

CALENDAR OF EVENTS

JULY 14-17, 1991	*APMS 31st Annual Meeting, Hyatt Regency, Dearborn, Michigan*
August 22-23, 1991	*South Carolina APMS Annual Meeting*, Santee Cooper's Somerset Point Facility on Lake Moultrie, Moncks Corner, South Carolina.
October, 15-17, 1991	*Florida APMS Annual Meeting*, Holiday Inn Surfside, Daytona Beach, Florida
November 18, 1991	*Texas APMS Annual Meeting*, Doubletree at Lincoln Center, Dallas, Texas.
November 11-16, 1991	*North American Lake Management Society*, 11th International Symposium of Lake, Reservoir and Watershed Management in a Changing Environment, Sheraton Tech Center Hotel, Denver, Colorado.
February 17-21, 1992	*International Weed Control Congress*, Monash University, Melbourne, Australia.
July 12-17, 1992	*International Symposium on Aquatic Plants*, Daytona Beach, Florida

Aquatic Plant Class Offered At The University of Florida - IFAS

Fort Lauderdale Research and Education on "Culture and Production of Aquatic Plants"

Student enrollment in the Ornamental Horticulture Bachelor of Science Program at the University of Florida's Fort Lauderdale and Research Center has grown steadily since it was initiated by the Institute of Food and Agricultural Science (IFAS) in 1984. This Bachelor of Science program in Horticulture provides the opportunity for students to earn the B.S. degree from the University of Florida without relocating to the Gainesville Campus, 325 miles away, to take courses. The program is cooperative, making use of courses available at Florida International University, Florida Atlantic University, and area Community Colleges. The use of courses currently available at area 4-year colleges enables IFAS to provide this educational opportunity without the expense of creating a new department at any of the cooperating institutions. The horticulture courses offered at the Fort Lauderdale Center are a part of the University of Florida curriculum and have the same content and prerequisites as those offered in Gainesville. Once the necessary courses have been taken, students receive the Bachelor of Science degree in Ornamental Horticulture from the University of Florida.

Students enrolled in this program are typically place-bound, have an average age of 36, and are often employed by horticultural enterprises. Many students pursue the degree to achieve professional or personal goals. However individuals interested in professional advancement, but not seeking a degree, may take courses either for credit or audit. Many people within the industry find that auditing courses is a convenient and time-effective way to remain updated on the latest technological developments.

Most classes offered at the Fort Lauderdale Center are conveniently scheduled on one evening or Saturday, each week for the duration of the 16-week semester. Classes are small in size and provide close contact with the teaching and research faculty located at the Center. All faculty hold Doctorate degrees in their area of specialization and are available for conference with individual students. Presently 20 classes are offered at the Fort Lauderdale Center.

The class on Culture and Production of Aquatic Plants has been taught for the past 4 years by Dr. David L. Sutton, and is offered each fall. The Fall semester begins August 26, 1991. This class offers information on the basic anatomy, physiology, identification, and ecology of aquatic plants. Topics of special interest include aquatic plant nutritional requirements, weed control methods, novel uses of aquatic plants, pest control, permitting requirements, production methods for aquarium and native aquatic plants, and lake restoration and mitigation activities.

For more information on course requirements, costs, class registration, or scheduling, please contact Dr. Stephen D. Verkade University of Florida-IFAS, 3205 College Avenue, Fort Lauderdale, Florida 33314. Telephone (305) 475-8990. For additional class information, contact Dave Sutton at the same address and telephone number.

Exotic Species Symposium

The Indiana Academy of Science is organizing a major symposium entitled BIOLOGICAL POLLUTION: THE CONTROL AND IMPACT OF INVASIVE EXOTIC SPECIES. It is scheduled for October 25-26 at the IUPUI University Place Conference Center in Indianapolis and will feature 26 outstanding invited speakers from across the country representing various federal, state, and private agencies. The presentations will focus on the impact of invasive exotics (animals and plants) on the native species and natural aquatic and terrestrial systems of eastern North America. Special consideration will be given to vectors, economic and environmental consequences, land management practices, prevention, interagency communication, control measures, and legislation.. Attendance is limited to 350. For registration information contact:

Bill N. McKnight
Indiana State Museum
202 North Alabama
Indianapolis, IN 46204
(317) 232-8178

Distinguished Service Award Presented For Biological Control Research

The United States Department of Agriculture recognized the Agricultural Research Service's Fort Lauderdale aquatic weed research group and their U.S. Army Corps of Engineers cooperators by presenting them its highest honor, the Distinquished Service Award. The award is in recognition of the group's "...exceptional research accomplishments through development of environmentally safe and less costly biocontrol technology for managing aquatic weeds." USDA personnel recognized were research leader Kerry Steward, lead scientists Ted Center and Gary Buckingham, and research scientists Joe Balciunas and Thai Van. The Corps of Engineers recipients were the aquatic plant control program manager Lewis Decell and biocontrol team leader Al Cofrancesco.

The award was presented on June 12 by the Secretary of Agriculture at the Department's Washington D.C. headquarters.

Plan To Attend The APMS 1991 Annual Meeting!

PLAN AHEAD!

INTERNATIONAL SYMPOSIUM

ON THE BIOLOGY AND CONTROL OF AQUATIC PLANTS

A JOINT MEETING WITH
THE AQUATIC PLANT
MANAGEMENT SOCIETY

TO BE HELD AT
DAYTONA BEACH, FLORIDA, USA
12 - 17 JULY, 1992

NOMINATIONS

The following slate of officers and board members was submitted by the nominations committee and approved at the mid-winter Board of Directors meeting. The membership will have the opportunity to vote on the slate and make other nominations at the 1991 Annual Meeting.

President	Clarke Hudson
Vice President	Joe Zolczynski
Editor	Bill Haller
Newsletter Editor*	Ken Langeland
Board of Directors	Kurt Getsinger - (3 yr. term)
	Jim Schmidt - (3 yr. term)

**If By-laws change approved by membership.*

CAST Update

The Council for Agricultural Science and Technology (CAST) is a consortium of 29 scientific societies, each of which is involved in research and educational programs that impact upon agriculture and food production. CAST also has 3,500 individual members, along with a number of corporate, nonprofit, and associate society members. Scientists, most of whom are members of the societies, volunteer their time and expertise to develop CAST reports and its science magazine. These scientists are the foundation upon which the program has been built. CAST reports summarize current scientific information on public issues in food and agriculture. They are intended for use by Congress, the executive branch and others who make decisions affecting agriculture and food, the media, and the public. Science of Food and Agriculture provides articles and exercises for teachers in 16,000 high school science departments and 7,000 FFA chapters. CAST is pleased and grateful that the Aquatic Plant Management Society is providing space in its newsletter for this statement. A list of recent and forthcoming publications is available from the APMS newsletter editor.

EPA Clarifies Wetlands Definition

EPA's Office of Pesticide Programs (OPP), Office of Wetlands Protection, and Office of Compliance Monitoring has confirmed the definition of wetlands as used under the Federal Insecticide, Fugicide and Rodenticide Act differs from the definition provided in the Clean Water Act. "Wetlands" appears under the environmental hazards section on labels for all outdoor, non-aquatic use pesticides, regardless of the potential toxicity to fish or wildlife. The label warning states: "This pesticide is toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes)." Farmers have questioned whether "wetlands" mentioned on the label applies to wetlands defined under the Clean Water Act programs.

According to OPP, the pesticide program did not intend to apply the term wetlands "as broadly as defined in The Federal Manual for Identifying and Delineating Juisdictional Wetlands and Clean Water Act 404 regulatory program." Specifically, the OPP memo concludes that pesticides bearing the wetlands warning "must not be applied directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark."

"Users of these chemicals," according to OPP, "should be directed to fully consider potential adverse impacts to aquatic systems and associated fish and wildlife. For enforcement purposes, EPA will continue to presume that when pesticides bearing this warning are found in water or in areas where surface water is present or in intertidal areas below the mean high water mark, this indicates a 'use inconsistent with labeling.'"

EPA will not allow the term "wetlands" to appear on the labels of newly registered, reregistered or amended products. EPA will use the statement: "Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark." "Wetlands" will remain on the labels of currently registered products until EPA adopts a long-term solution as to what statement would be most effective for protecting wetlands. (Chemical Regulation Reporter, April 19, 1991) Chemically speaking, IFAS, University of Florida.

New Florida Training Manual Available

"Aquatic Pesticide Applicator Training Manual" University of Florida, IFAS Publication SM-3 was developed as a training aid to prepare for Florida's test that must be passed before being licensed as a restricted use pesticide applicator in the aquatic category. The 107 page manual focuses mostly on basic aquatic plant management; and also covers basic information on history, laws, aquatic plant identification (with line drawings) biological control, mechanical removal, and other methods.

The manual, which was a cooperative effort between several State and Federal agencies and edited by Ken Langeland, is available for $7.00 (plus 6% sales tax within Florida) from: Publications, IFAS Building 664, Gainesville, FL 32611-0001

Changes in Massachusetts and Connecticut permit system effect lake management clients

Massachusetts DEP recently adopted an application fee of $100 for review and processing of chemical (herbicide/algicide) permits. Municipal and other governmental agency projects are fee exempt. Connecticut has put into place a required pre-treatment notification and posting system for projects on public lakes and other waterbodies under multiple ownership. These ever-changing regulations increase the need for professional lake and water management technical assistance. (The Watermark, Aquatic Plant Control Technology, Inc.)

Proper Cleaning Techniques For Pesticide Containers

An eight minute video tape demonstrating the use of pressure rinsing to rinse empty pesticide containers has recently been completed by IFAS information. The video, Proper Cleaning Techniques for Pesticide Containers, was produced under the direction of the Pesticide Information Office. Pressure rinsing is a convenient and effective way to rinse plastic pesticide containers. Recycling of plastic pesticide containers is being considered as a means of dealing with the large numbers of empty containers. Assuring that the empty container is properly rinsed and free of pesticide residues will be necessary to make such a recycling program work. Preliminary results from analysis of pressure rinsed containers by the Florida Department of Environmental Regulation from a recycling demonstration project indicated that 99.99% of the residue was removed.

Copies of the video are available for purchase from:

IFAS Publications
University of Florida
Building 664
Gainesville, FL 32611.

The cost is $15 plus 6% sales tax. The video is also available with Spanish narration.

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 MEMERSHIP	$ 5
C	COMMERCIAL SUSTAINING MEMERSHIP	$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

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