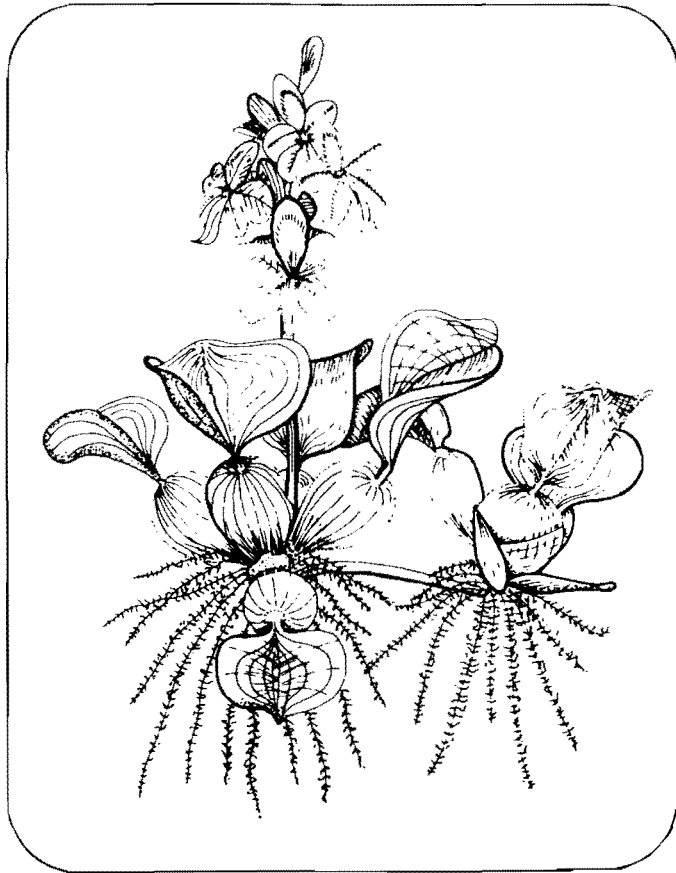


THE AQUATIC PLANT MANAGEMENT SOCIETY, INC.

Newsletter Number 11
L. V. Guerra, Editor



Post Office Box 06005
Fort Myers, Florida 33906

MEETINGS

The 20th annual meeting of the Aquatic Plant Management Society at Sarasota was a big success. There were good presentations from all of the sectors: Industry, Private, Commercial and the academic field.

AND NOW WE WILL HEAR FROM OUR EDITOR: WILLIAM (HOSS) HALLER

Out of Print: The once free publication of "Aquatic Plants, Lake Management, and Eco-System Consequences of Lake Harvesting" edited by Breck, Prentki and Loucks is out of print. We have been notified that a limited rerun will be made for books ordered now at a cost of \$6.50 each. This may well be your last opportunity to obtain this title.

Checks payable to the University of Wisconsin-Madison should accompany your order to the Institute for Environmental Studies, University of Wisconsin-Madison, 120 WARF Building - 610 Walnut, Madison, Wisconsin, 53706.

Next Journal Issue: Several manuscripts were turned in at the Sarasota meetings, however, many of you have papers yet to submit. Do so as soon as possible to meet the deadline for Volume 19(1), January, 1981.

The tasks and good work of the reviewers of the incoming manuscripts is greatly appreciated. However, it is important that your review is done promptly. This results in good will among the authors and removes some of the flak from the editor.

Parting Comment — With two issues a year, we can easily publish 30 to 40 articles annually. The last issue will be featured in the Abstract Service, **Current Contents** in the next couple of weeks. This should bring further attention to the Journal and stimulate even greater interest.

C.A.S.T. Report: CAST Task Forces are extremely busy at this time working on some 12 reports. Expected for publication in September are: 1.) Social and Economic Impacts of Restricting Pesticide Use in Agriculture; 2.) Antibiotics in Animal Feed (Note: This has been a challenging task force and is of wide interest throughout the Country); 3.) Organic and Conventional Farming Compared.

Task Force Reports are not automatically sent to individual members of CAST, you must request a copy. This saves hundreds of copies being sent to members who really would not otherwise need or request them. To become an individual member and keep up with CAST, simply make out a \$12 check to CAST and mail it to CAST, 250 Memorial Union, Ames, Iowa, 50011.

Also suggested is to request a list of past CAST publications. From this list you can order single copies of past and present CAST publications of interest at no cost.

Current topics of interest before the CAST Board of Directors and of interest to those of us in aquatic plants include the selection of the Task Force on Aerial Application of Pesticides. In addition, the Acid Rain problem was again discussed and a committee was formed to come to the February 1981 Board meeting with a recommendation as to whether CAST should establish a Task Force on the Problems of Acid Rain in Agriculture, Forestry and Aquatic Systems. Acid rain may not be a problem in some parts of the U.S., but it apparently is a serious one in the Northeast. If you would like further information or would like to voice your opinion on this or any of CASTS projects just contact your APMS CAST Representative, in care of the Fort Myers business office.

Phenoxy Fight: The following Article is an excerpt from INFOLETTER, International Plant Protection Center, Oregon State University, Corvallis, Oregon, 97331.

“The U.S. uproar over phenoxy herbicides continued in recent months centering on regulatory agencies, producers, and scientists.

The U.S. Environmental Protection Agency (EPA), after banning many major uses of 2,4,5-T opened hearings to consider a full ban. However, another EPA review of 2,4-D studies - failed to expose any significant health hazards.

An article by J. H. Davidson in a recent issue of phenoxy maker Dow Chemical's Industrial Vegetation, observes that numerous “studies over the past 30 years indicated that it (2,4,5-T) is not a hazard to human health, wildlife, or livestock” when used according to recommendations.

Meanwhile, six distinguished scientists carefully reviewed EPA's study of one key area treated with 2,4,5-T and concluded that the data were inadequate and did not support the conclusions. Free copies of A Scientific Critique of the EPA Aelse II Study and Report are available from: Environmental Health Sciences Center, Attn.: J. M. Witt, Oregon State University, Corvallis, Oregon, 97331/USA.”

To receive the Infoletter from IPPC write to the above address and ask to be placed on the mailing list — it's free and covers all sorts of terrestrial and aquatic weed problems throughout the world.

Florida APMS News: The Annual Meeting of the Florida Aquatic Plant Management Society, Inc. (FAPMS) will be held at Howard Johnsons Convention Center, Lee Road and I-4 in Orlando on October 29, 30 and 31. Jim McGehee, Program Chairman, and Bill Moore, local arrangements, indicate that the program will consist in part of an applicators panel discussion and a research panel which will (hopefully) answer all questions raised by the people attending the Conference. A chicken B-B-Q will be held in Winter Garden on the shores of Lake Apopka. Dr. Elton Gissendanner, Director of the Florida Department of Natural Resources, has been invited to speak to the expected 400 attendees.

Everyone is invited to attend this meeting commencing at noon on Wednesday, October 29. Pre-registration is \$15.00 until 10 days prior to the meeting, which is refundable if you can't attend, and \$25.00 regular registration at the meeting. Send your pre-registration to Carlton Layne, 217 Bolender Court, Auburndale, Florida, 33823.

Next Year's Meeting Abstracts: John Gallagher has agreed to collate and copy abstracts for the 1981 Jackson APMS meetings. We expect nothing fancy at this time from John and will in the next Newsletter send out guidelines for preparing your abstracts. This means a little extra work for the authors as we will expect copy ready abstracts for printing, however, it will be a real positive step for the Society as many papers presented are not written for publication in the **Journal**. Assuming about 50 papers presented at each meeting, we can publish 4 half page single spaced abstracts per page and end up with 12 to 15 pages per meeting. This should not be too much trouble and at the present time expect xerox copies for abstracts.

WE NOW HAVE A NEW TREASURER

All you people having business with the money bags, please contact him at the following address: Mr. William N. Rushing, A.K.A. “Honest Bill”, Post Office Box 16, Vicksburg, Mississippi, 39180.

SPEAKING OF HONEST PEOPLE

Our good friend and past president Mr. Julian Raynes has retired from his prestigious job with the U.S. Army Corps of Engineers, after 38 years of dedicated service. He has been involved in the aquatics aspect for the last 20. Our best wishes go to him and his family for a pleasant and enjoyable retirement that he so richly deserves.

TO ALL THE MEMBERS OF THE A.P.M.S. — HONORARY MEMBERSHIP FOR MR. FRANK S. STAFFORD

The Officers and Board of Directors of the Aquatic Plant Management Society proudly submit the name of Frank Stafford for your sincere consideration.

Frank was born in North Carolina in 1929. He is married and has four children, three boys and one girl. Frank medically retired in July, 1980. Frank and his red bushy beard are easily recognized as well as his happy manner. He joined the old Hyacinth Control Society, now the A.P.M.S., in 1965, and has been a strong supporting member. His contributions to the control of aquatic weeds has enhanced the art/science.

Frank began his aquatic plant management in Sarasota County, Florida in July of 1963 as part of the County Mosquito Control Program. He has worked in all facets of aquatic plant control from the man at the end of the hose to research-scientist and director of the Sarasota Aquatic Plant Control. He was one of the pioneers in the use of aerial application of herbicides for aquatic plant control.

Frank's musical entertainment for members of the Society after the course of business has been most appreciative. He plays anything from the autoharp to a zither. If it has strings, Frank can make it sing!

STUDENT PAPERS AND AWARDS

RESULTS OF THE SIXTH ANNUAL STUDENT PAPER CONTEST OF APMS.

FIRST PLACE — Stephen J. Klaine, Dept. of Environmental Science and Engineering, Rice University, Houston. **Obtaining an Axenic Culture of Hydrilla.** Dr. C. H. Ward, Advisor.

“A contaminant-free culture of *Hydrilla verticillata* is a valuable tool in research concerning the physiology and control of this plant. An axenic culture was obtained using tubers. The method involves surface sterilization with 1% NaOCl, outer tissue layer removal, and antibiotic treatment using penicillin, streptomycin, gentamycin and mycostatin. Tests for contamination included addition of glucose to the medium, transfer of the entire plant to bacteriological medium containing glucose and casein digest extract, and microscopic examination. At present, between 60 and 70 percent of the tubers treated yield axenic cultures.”

SECOND PLACE — Stratford H. Kay, Dept. of Agronomy, University of Florida, Gainesville, Florida. **Alligatorweed Biotypes and Implications for Control.** Dr. W. T. Haller, Advisor.

“The growth of a narrow-stemmed and a broad-stemmed form of alligatorweed as studied to ascertain whether certain characteristics were innate or due to environmental conditions. After five weeks no morphological changes occurred under a variety of unrooted-aquatic, rooted-emersed, and terrestrial conditions. These alligatorweed forms appear to be distinct biotypes. Biotypic dif-

ferences may be partly responsible for difficulties encountered in alligatorweed control in some areas."

THIRD PLACE — Dan Thayer, Dept. of Agonomy, University of Florida, Gainesville, Florida. **Effects of Several Herbicides on Hydrodictyon.** Dr. W. T. Haller, Advisor.

"The green algae hydrodictyon was cultured invitro and treated with varying rates of Diquat, Diquat and Komeen, Komeen, Aquazine, Endothall, and Aqualin. The treatments were rated daily using a 0-10 visual rating scale and upon termination of the experiment dry weight was calculated. A field trial in natural ponds will be conducted in early April."

MEETINGS AND GREAT THINGS TO COME

1. Weed Science Society of America meets February 17-19, 1981, at Caesar's Palace, Las Vegas, Nevada. Get your paper and money ready.
2. Southern Weed Science Society meets at the Dallas Hilton Hotel, January 20-22, 1981. Dr. Howard Westerdahl of W.E.S. of Vicksburg Waterways Experiment Station is the Chairman of the Aquatic Section. If you have a paper contact him, even though the deadline is over you might get it in.
3. U.S. Corps of Engineers, Waterways Experiment Station Annual Aquatic Plant Control Research Planning and Operations Review Meeting to be held at the Sheraton Savannah Inn, Savannah, Georgia, November 17-20, 1980. For further details contact William Rushing, W.E.S., Vicksburg, Mississippi.

FREE-BEES

1. Aquatic Plant Control by L. V. Guerra, 134 Braniff, San Antonio, Texas, 78216. 57 pages of information with black and white ink sketches of plants and most common methods of control, a masterpiece, designed for those concerned with the less scientific aspects (laymen, farmers, stock pond owners, etc.). Autographed copies on request. This is an exclusive limited edition.

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**FIRST CALL FOR PAPERS
1981 ANNUAL MEETING**

THE AQUATIC PLANT MANAGEMENT SOCIETY, INC.

You are invited to submit a title for a paper to be presented at the 1981 annual meeting of The Aquatic Plant Management Society, Inc., to be held July 12-15, 1981, at the Coliseum Ramada Inn, Jackson, Mississippi, USA. Type title, authors, organization and location, exactly the way they are to appear on the program. If more than one author is listed, place an asterisk after the name of the author who is to present the paper. Ten minutes will be allowed for each presentation. Projection equipment for 35 mm slides will be provided. Special requests for additional time or specialized projection equipment should be directed to the Program Chairman, and will be considered on the merits of the individual request.

TITLE: _____

AUTHOR(S): _____

ORGANIZATION: _____

ADDRESS: _____

I believe the paper would be best presented as:

- Research
- Operations
- Student Presentation
- Regulatory
- Other _____

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