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IN MEMORIAM. It is with deep regret that we announce the death of Lyle W. Weldon, Research Agronomist, with the USDA Aquatic Weed Lab at Fort Lauderdale, Fla. He drowned while diving in Lake Suzannah doing research on the control of hydrilla. This tragic accident accents the need for aquatic weed research. This is a great loss to the field of aquatic weed research. Dr. Weldon was a pioneer in this field. His contributions have been recorded in national and international journals. He is survived by his wife Shirley, his daughters Kara and Kathy, and his son Billy.

THE HYACINTH CONTROL SOCIETY, Inc.
dedicated to the control of noxious aquatic weeds

NEWSLETTER No. 12
February 7, 1970

HAPPY NEW YEAR: 1969 has ended and we are now well into 1970. I hope you all can look back with pride at your accomplishments. I wish the Hyacinth Control Society could state that 1969 was a banner year, but, in reality, it was not one of our better years. Many members failed to continue their memberships. Many of you failed to discuss the Society with potential new members, and as a result, our membership has not increased. As stated in the NEWSLETTER during 1969, a society is only as good as the membership. What have YOU done for the society other than to say "I'm a member"? This Society has excellent potential in aquatic vegetation management, but many of you are failing to back the Society and utilize it as YOUR Society. In 1970 I hope you have included in your resolutions that you will become an ACTIVE member of the Society. This means that YOU will PARTICIPATE and PROMOTE ALL of its programs.

POLLUTION: Webster defines "pollution" as a polluting or being polluted. He further defines "pollute" as to make unclean, impure, or corrupt. President Nixon has taken pollution as one of the major problems to be solved in the next decade. What part does aquatic weeds play in the creation of pollution? What effect does aquatic weed control have on pollution? All of us must begin searching for the answers to these questions. Aquatic weeds are a part of the pollution problem and we must define their role. We, in aquatic weed control, are being blamed for additional pollution when controlling aquatic weeds with herbicides. Do you have an answer to this criticism?

DECADE 70: I firmly believe that we in aquatic weed research, control, and related industries will meet the challenge of vegetation management in this decade. We made small steps forward in the past decade but now that our sights are set on our direction, our steps during the next decade will be giant ones. I see great potentials for the field of aquatic weed management and this Society. A concentrated effort on our part as research people; applicators; members of industry, government, or private organizations can make these giant steps ones that will benefit us and future mankind.

RESIGNATION: Mr. Jay Blanchard, Parks and Recreation Director of Winter Park, Florida, resigned as a member of the Board of Directors of the Society, effective December 23, 1969. Jay stated in his letter that it was with regrets that he submitted his resignation but that he was no longer associated with the City's aquatic weed program. We all regret that Jay had to resign. His profound statements and experience in harvesting aquatic vegetation will certainly be missed in the Society. He earned the name "Hydrilla Jay" because of his continuous efforts to conquer the submersed aquatic weed Hydrilla verticillata. The weeds did not conquer him but on many occasions he had to slug it out with

that blankety-blank weed beyond what any man should be expected to do. We know that Jay will do a good job as the City's Parks and Recreation Director because he has already proven this in the past. Jay, we hope you are able to join us and lead the laughs at the next meeting.

NEW AQUATIC WEED DIRECTOR: Mr. Bill McClintock will be the new director of the City of Winter Park's weed control program. As all of you know, it is always a pleasure to have new blood added to the aquatic weed management field. I have not had the opportunity to meet Mr. McClintock but hope to do so real soon. If anyone is in the Winter Park area, stop by and visit with him, making sure you leave an application blank for membership in the Society with him.

WELCOME BOB: Bob Geiger is heading up the Lakes and Waterways Management Service Division of the 3M Company in Hialeah, Florida. We welcome aboard another warrior in the War on Weeds. He will be active in the Southeastern US with particular attention to Florida.

HANDY PUBLICATIONS: I have come across two publications that may be of interest to you. The first one is "A Pocket Pesticide Calibration Guide" compiled by Frank Boys and Frank Murphey, published by the University of Delaware. The authors are in the Dept. of Entomology and Applied Ecology, University of Delaware, Newark, Delaware 19711. This is an excellent publication and has a section on aquatic herbicide calculation.

The second one is "The Control of Aquatic Plants in Alberta", Publication 647, which may be obtained from: Publications Office, Alberta Dept. of Agriculture, Agriculture Bldg., 9718 107 Street, Edmonton 6, Alberta, Canada.

ANNUAL DUES: Your 1970 dues should be paid as soon as possible. We hope you all will renew your membership. I am suggesting to the Secretary, Stan Abramson, that we renew the policy of issuing membership cards. Many of you have requested that we do this and I think it is a good idea.

1970 MEETING: Start your plans now to attend the 1970 meeting on July 12-15 at the Sheraton Motor Inn in Huntsville, Alabama. We need your attendance at this meeting. Invite others to attend. SELL THIS MEETING to the public. Incorporate this meeting in your summer vacation plans this year. This is a great opportunity to tour the NASA missile operations at Redstone Arsenal, to visit the TVA hydroelectrical plants and to enjoy the wonderful fishing and boating in the TVA reservoir. As usual, there will be a fine program for the family while the meeting is in session.

1970 PROGRAM: The President has already made arrangements for a number of excellent papers to be presented at the Huntsville meeting. He needs your help in obtaining additional papers. EACH OF YOU, check your files and see if you have information that can be presented. I really believe that we will have a big program with all of you helping on it.

FAREWELL: Mrs. Blanche Farrow has submitted her resignation to be effective March 1, 1970. Many of you know Mrs. Farrow and if you have not had the opportunity to meet her then I should inform you that she has dedicated many long and tiring hours to this Society. Most of you are not aware of the role that she has played in making this Society a success. The aquatic team at Fort Lauderdale will certainly miss her contribution to its research effort and you in the Society will miss her dedication. The Society expresses its sincere thanks to Mrs. Farrow and wishes her the best in her new endeavor of citrus farming. This is her last editing of the Editor's NEWSLETTER.

SWSS: The program on aquatics was excellent but attendance was low at the meeting of the Southern Weed Science Society last month. Kerry Steward did a fine job as Program Chairman of the Aquatic Section. It was cold in Atlanta, or at least it was for us from South Florida. Travel restrictions in many organizations limited the attendance. Some of you may have been forced to choose between SWSS and the Hyacinth Control Society meeting.

WSSA: The Weed Science Society of America meeting was held in Montreal, Canada on February 2-5. The Aquatic Section Chairman, John Steenis, has done an excellent job. He assembled a number of panel discussions that will be a valuable contribution to aquatic weed science. It is unfortunate that the discussions will not be published. Many of us could not attend this meeting because of travel restrictions. John has promised to try and attend the Hyacinth Control Society meeting in July and present a paper on eutrophication. Maybe those of you who attended the WSSA meeting can fill in us unfortunate ones on the papers presented, at a later time.

HYACINTH CONTROL JOURNAL: You should have received Volume 8, No. 1 of the Journal by this time. This completes publication of the papers presented at the 1968 meeting. The completion of this issue also completed Lyle Weldon's tour of duty as the Editor of the Journal. Again, I say to Lyle, that the Journal made tremendous strides under his guidance. As your new Editor, I hope I can continue this progress. We are all proud of the quality of the Journal. I am working on the papers presented at the 1969 meeting. Please be patient.

WEEDS TREES and TURF: The October issue of this trade journal did an excellent job on aquatic weed control. I hope all of our members received a copy of this issue of the journal. We, in Florida, were proud of the issue because we were all represented. We like to feel that we are part of the action on aquatic weed control. One of our sustaining companies was featured on the front cover. I hope you noticed the Society's ad on page 13. We plan to place another ad in a later issue about the upcoming meeting.

1971 MEETING: The Board of Directors have not made a decision on location. It will be held somewhere along the east coast of Florida, below Jacksonville and above Palm Beach. This gives us a lot of area from which to choose.

**** NOTES ****

This is a new addition to the NEWSLETTER. I would appreciate your comments on it and contributions to it. The following definitions may be helpful to you.

TERMS USED IN WEED SCIENCE:

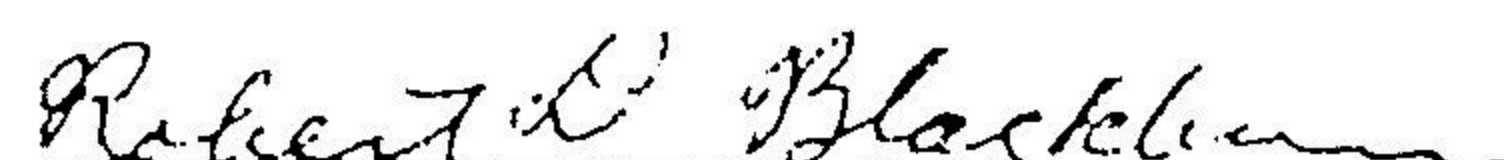
1. Acid equivalent (ae): The theoretical yield of parent acid from an active ingredient. This term is often used when referring to a formulation such as 2,4-D.
2. Active ingredient (ai): The chemical(s) in a product responsible for the herbicidal effects.
3. Amine: A compound derived by the replacement of one or more of the three hydrogen atoms of ammonia by one or more hydrocarbon groups.
4. Aquatic: A plant that lives in water. They are usually referred to as: submersed, emersed, floating, and marginal.
5. Carrier: The liquid or solid material added to a chemical compound to facilitate its storage, shipment, and application.
6. Common name: In referring to herbicides or plants, the name accepted by the Weed Science Society of America (WSSA) for a given compound or plant. The name is written in lower case, i.e. silvex vs Kuron.
7. Emulsifying Agent: A substance which stabilizes (reduces the tendency to separate) a suspension of droplets of one liquid in another liquid which otherwise would not mix with the first; also referred to as an emulsion stabilizer or emulsifier.
8. Epinasty: The increased growth of the upper surface of a plant organ or part (especially leaves) causing it to bend downward. This is a characteristic reaction from treatment with 2,4-D or like herbicide.
9. Herbicide: A chemical used for killing or inhibiting the growth of plants.
10. Weed: A plant growing where it is not desired, i.e. a corn plant in a cotton field. The corn is a weed in this example.

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The Pessimist

He's halted by obstacles few others see
His chance for contentment is slim.
He lives in the jaws of frustration, because,
All molehills are mountains to him.

S. Omar Barker


Robert D. Blackburn, Editor