



AQUATIC PLANT NEWS

A Newsletter of The Aquatic Plant Management Society, Inc., Issue No. 74, October 2003
Linda Nelson, Newsletter Editor, P.O. Box 821265, Vicksburg, MS 39182-1265

A Message From the President

Ken L. Manuel

Thank you, President Dick Hinterman and the 2002-2003 Executive Board and Officers for an outstanding annual meeting in Portland, Maine. Bob Gunkel and his local arrangement staff did it again! We give our *best wishes* to Don Doggett upon his retirement as the APMS Treasurer. Don has given six great years to the APMS membership and leaves us in a solid financial position. You can bet Don will be keeping a sharp eye on Bob Gunkel as Bob takes over as Treasurer!

I've been on the go these last few weeks, attending the 25th Annual Meeting of the South Carolina Aquatic Plant Management Society (SCAPMS). My congratulations to President John Hayes for such a memorable meeting, bringing together many of the past presidents of SCAPMS including past national APMS President, Steve de Kozlowski, and yours truly. We missed Lewis Decell who also served SCAPMS and APMS as President. Membership commitment extends deep into our chapters when Tommy Bowen was honored by the SCAPMS with their Distinguished Service Award for 11 years of continuous service as Secretary-Treasurer. Committed members are the core of our chapters.

I'm writing to you as I attend the Texas APMS meeting here on South Padre Island near the mouth of the Rio Grande. President Chetta Owens and her Executive Board have organized a great meeting and I have already enjoyed a wonderful field trip to view the many aquatic weed problems along the lower Rio

Grande: hydrilla growing under water hyacinths with water lettuce mixed in, just to name a few. What a unique management challenge along an international boundary with both agricultural and human needs in direct competition for such a limited resource. All made more complex by invasive aquatic weeds and the Border Patrol. Chetta, are you undercover?? I look forward to attending the Mid-South APMS meeting at Auburn University this month and the Western APMS meeting in Seattle early next year.

Two important things I encourage you to consider: 1) the chapters are where most of the day-to-day aquatic plant management happens. Strong chapters, training their membership with well focused professional meetings, supporting and encouraging their students, and educating local and state political decision makers are critical to our profession; 2) We must focus on the needs of our membership AND engage them in the running of our regional chapters. I encourage each chapter member to find one small way to assist your chapter at your annual meeting, such as judging student papers, chairing a standing committee or being on a committee, accepting a nomination to be an Officer or Director, or giving a presentation on your latest management success or failure. Many of you have given so much to maintain and expand the science of aquatic plant management within your local chapters. Thank you for what you are doing because I know one day you will bring your skills and experience to the national APMS.

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President's Message - continued from page 1

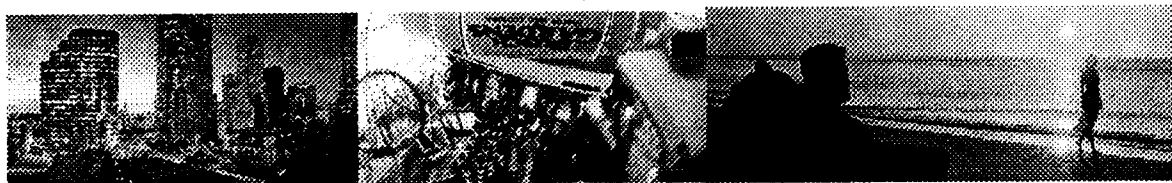
One last thought before I submerge myself in Texas-sized aquatic plant management experiences. As I walked through the sponsor display room this evening, it was dark and quiet, most of the booths were up and specimen labels and MSDS were laid out in neat stacks along with logo pens and key chains (I bet the prized ball caps were under the tables), I had the urge to start picking up labels and the other literature that is so critical to the application of our profession's chemical tools. Information about the many other services that support the application of quality aquatic plant management were also displayed. THANK YOU to all of our sponsors for your continued support of our regional chapters and national APMS. Your profession is critical to our success as aquatic resource managers. Your partnership and friendship continues to be a source of inspiration to me and I hope to all of us who enjoy our many aquatic weed management challenges.

— Ken Manuel



Richard Hinterman, 2002-2003 APMS President, passes the gavel to incoming President, Ken Manuel.

Tampa, Florida – Site of the 2004 Annual Meeting



The 44th Annual Meeting of the Aquatic Plant Management Society will be held at the Hyatt Regency at Tampa City Center on July 11-14, 2004. The Program promises to be interesting with excellent presentations on research, management, and much more. The President's Reception on Sunday evening will open the program and the Awards and Installation of Officers Luncheon will end the program on Wednesday afternoon. The technical sessions, poster session, and exhibits will begin Monday morning and end at noon on Wednesday.

This will be a magnificent meeting, so plan to attend and bring your family. The Tampa Bay area offers many family favorites such as Busch Gardens, the Florida Aquarium, Museum of Science and Industry, Lowry Park Zoo, and an abundance of beaches. For those folks looking for exciting nightlife, the area offers good times and music at Channelside, Bay Street, and Ybor City.

So mark your calendar to attend an extraordinary meeting! More meeting information will be coming soon to the APMS web site at www.apms.org and in future Newsletters.

**Special Thanks to the Following Sponsors of
the 43rd Annual Meeting**

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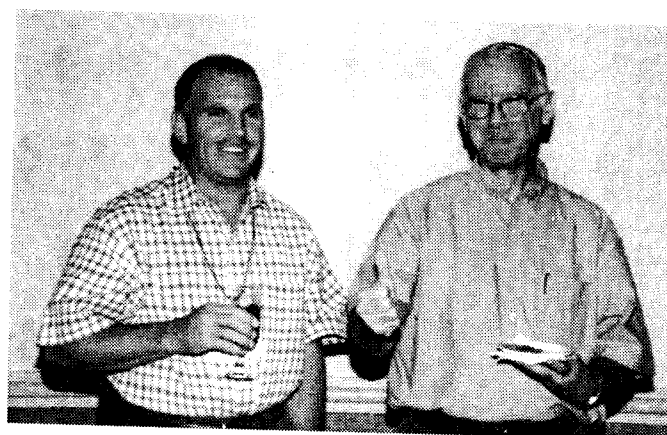
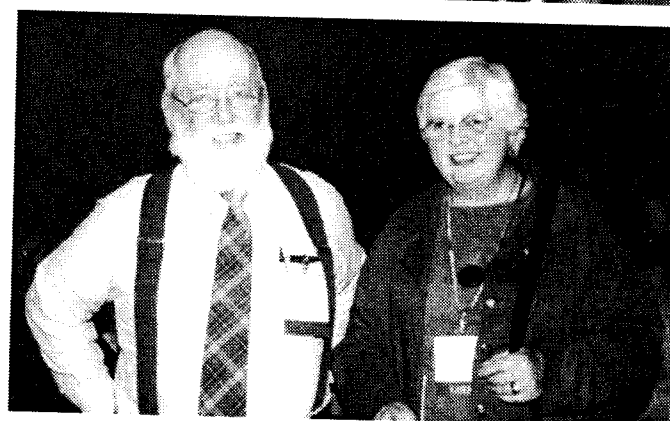
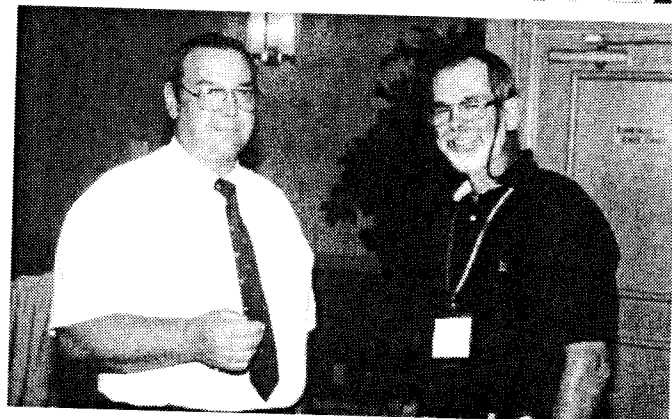
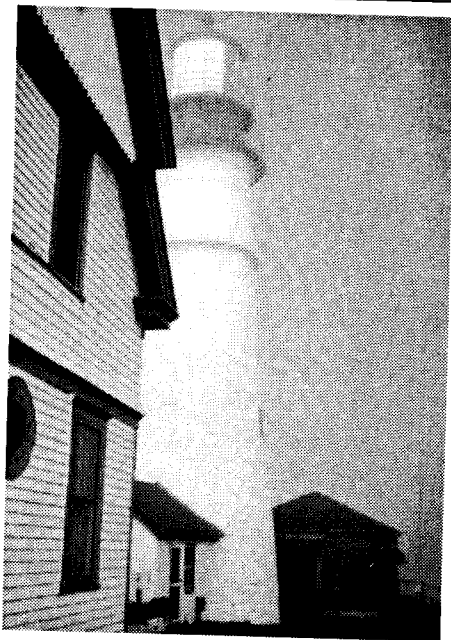
*Thanks to the following sponsors for contributing
prizes for the silent auction and raffle event at the
Portland Meeting.*

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2003-2004 Sustaining Members

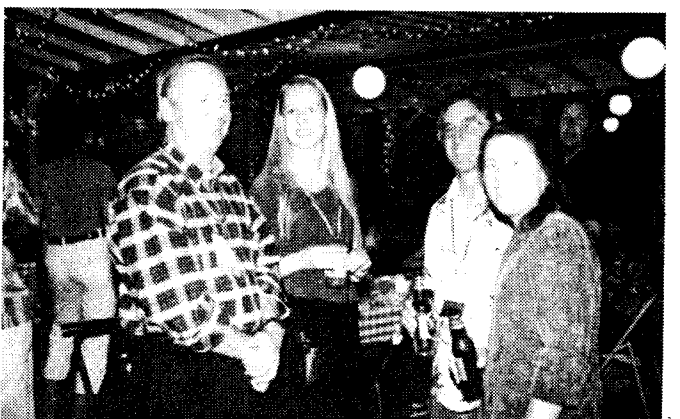
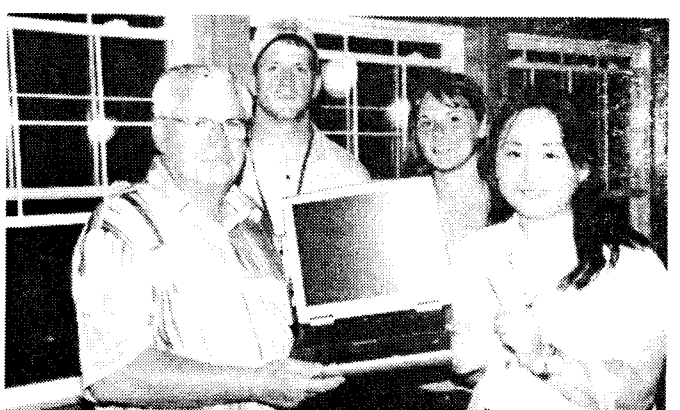
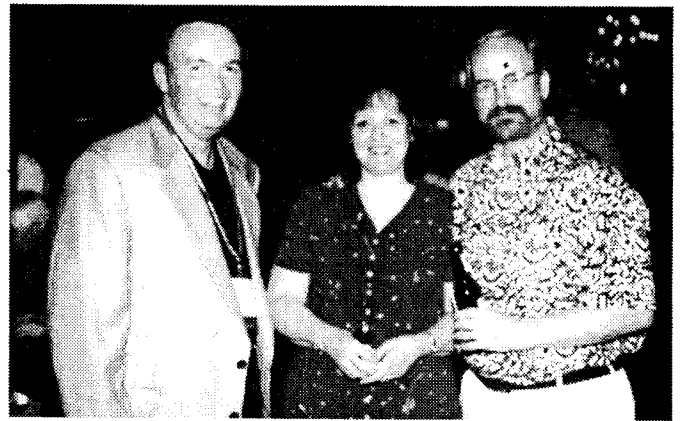
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SCENES FROM THE 43RD ANNUAL MEETING



PORTLAND, MAINE

JULY 20-23, 2003

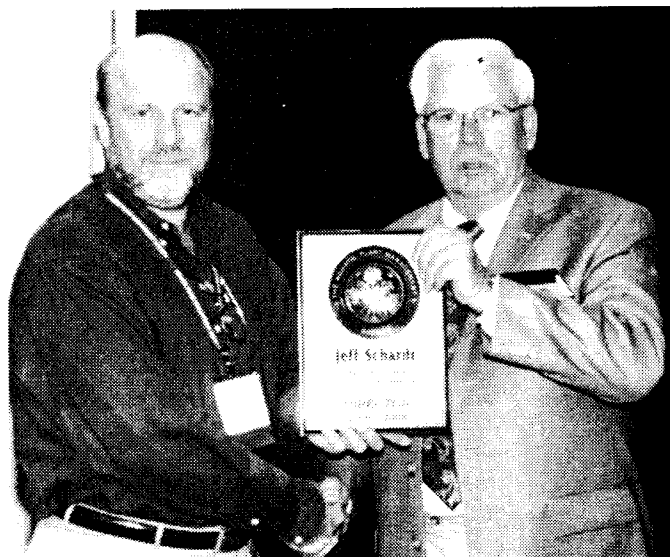


2003 APMS AWARDS

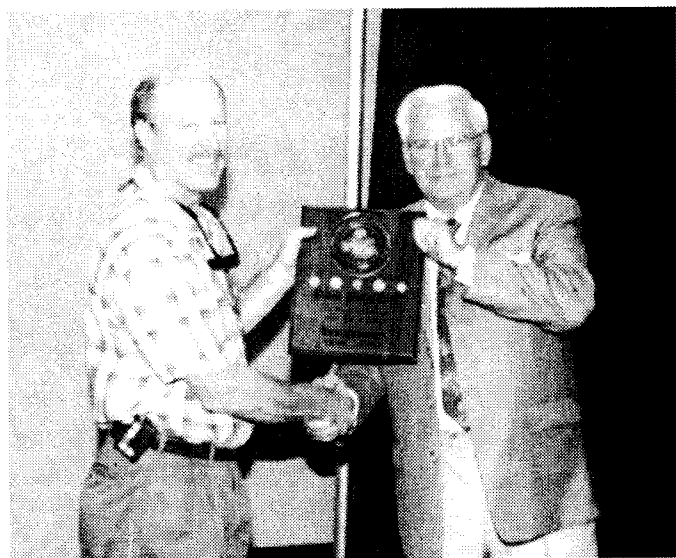
43RD ANNUAL MEETING



President Hinterman recognized Joe Bondra for his service as APMS Director from 2000-2003. Joe has also served the society as Chairman of the Exhibits Committee for many years. Thanks, Joe.



Jeff Schardt accepts an award from Richard Hinterman for his service as APMS Director from 2000-2003. Jeff also serves as Chair of the Education and Outreach Committee and is our newly appointed Vice President. Thanks, Jeff.



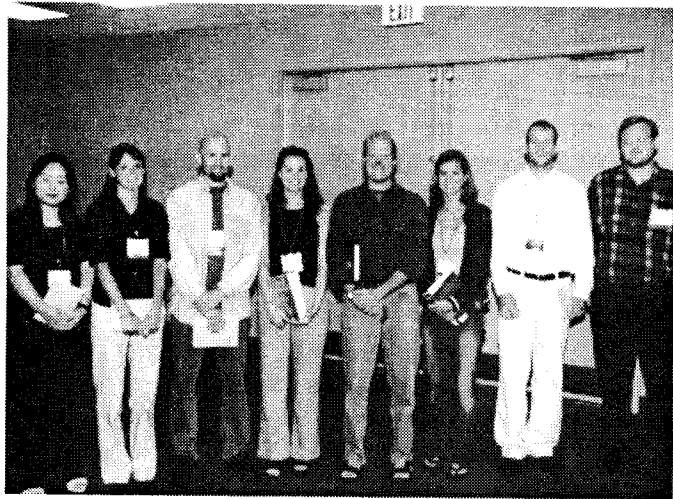
Special thanks to Don Doggett who has served as the APMS Treasurer for the past six years! (Can you say "glutton for punishment?" Your commitment to the Society is to be commended. Enjoy some free time, Don.



Richard Hinterman presented the Presidential Award to Jim Schmidt for his dedication and service to the APMS. Jim has served on the Board of Directors and was President in 2001. Recently (while watching re-runs of LA Law and Law and Order), Jim decided to tackle a review and revision of the Society Bylaws and Operating Manual. What a job! Thanks to you Jim, the APMS will run smoothly from now on.

STUDENT AWARDS

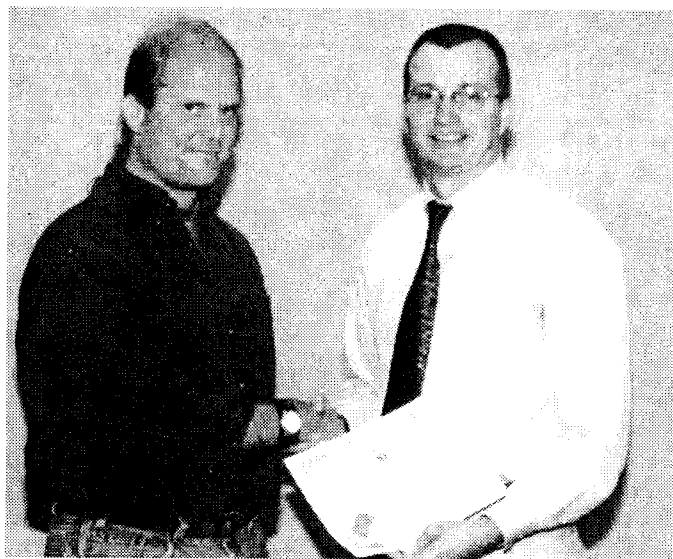
43RD ANNUAL MEETING



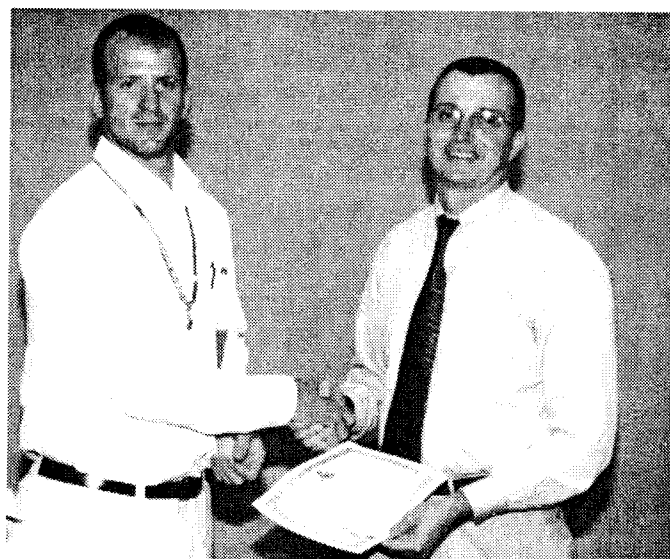
The 2003 APMS Student Contest Participants. Nine students representing eight different universities competed this year. Pictured left to right: Kim Gu Yeon, Katie Wilkinson, Todd Chadwell, Larissa Mason, Michael Moody, Sarah Habrun, Tyler Koschnick, and Matt McKenzie. Missing is Melissa Engleman.



Dr. Mike Netherland presents Katie Wilkinson with an award for her presentation on "Sensitivity of mat-forming Cyanobacteria to a potential biological agent, Bacterium SG-3." Dr. Carole Lembi is Katie's major professor at Purdue University.



Michael Moody received an award in the student paper contest with his presentation on "Hybrid watermilfoil distribution and population structure in Minnesota and Wisconsin." Michael is a graduate student at the University of Connecticut and studies under the direction of Dr. Don Les.



Tyler Koschnick also received an award for his presentation in the the student paper contest. Tyler is a graduate student with Dr. Bill Haller at the University of Florida. Tyler presented a paper on the "Evaluation of four Sonar formulations: Influence of sediment type on fluridone residuals and efficacy versus hydrilla."

Opportunities for Students....

Student Travel Grants for IPINAMS Invasive Plant Conference

Students who want to attend the Invasive Plants in Natural and Managed Systems Conference (IPINAMS) in Ft. Lauderdale, Florida, November 3-8, 2003, should consider applying immediately for travel grants that are being underwritten by the National Science Foundation (NSF). There are also opportunities for students to receive registration waivers for volunteering to work at the conference.

This conference is co-chaired by the Weed Science Society of America (WSSA) and the Ecological Society of America (ESA) and will be an excellent opportunity for weed science researchers, educators, students and practitioners to learn exactly what is being done in this rapidly growing field.

For more information on the conference and the student travel grants, check the following web site:
www.esa.org/ipinams-emap7/

The International Weed Science Society (IWSS) Announces Graduate Student Travel Award Opportunity

To encourage graduate student participation in the upcoming International Weed Science Congress in Durban, South Africa, the IWSS is providing up to 6 scholarships that will cover registration fees, accommodation, and partial travel expenses. The Graduate Student Award Committee (Prof. J. Streibig, Dr. Phil Banks, and Prof. B. Rubin) will select students based on submission of the following materials:

1. Candidate must be enrolled as a M.S. or Ph.D. student, pursuing a degree related to WEED SCIENCE as of December 20, 2003.
2. Submissions should be in the form of up to a 5-page manuscript including tables, figures, and photos (PDF file; font 12, 1.5 space, 3 cm margins throughout), with abstract, introduction, materials and methods, results, and discussion.
3. Submissions will be appraised based on the following merits: quality of research, novelty, contribution to the discipline of weed science and the IWSS. The research must be that of the student.
4. Submissions should include a letter of commitment from the major professor or institution to provide additional travel support if the student should receive the award from IWSS.
5. **All materials should be sent via e-mail, no later than December 31, 2003.** Submissions should be sent to:

Prof. J. C. Streibig
The Royal Veterinary & Agricultural University
DK-1871 Frederiksberg, Denmark
E-mail: Jens.C.Streibig@agsci.kvl.dk

Dr. P. A. Banks
Marathon-Ag/Environ Consulting
Las Cruces, NM
E-mail: MarathonAg@zianet.com

Prof. B. Rubin
Institute of Agricultural Plant Sciences & Genetics
Rehovot 76100, Israel
E-mail: rubin@agri.huji.ac.il

Awards will be announced at the Weed Science Society of America meeting in Kansas City, MO, in February 2004. Selected students will present their work at the 4th International Weed Science Congress, June 19-25, 2004, in Durban, South Africa. Meeting information is available at: <http://www.olemiss.edu/orgs/iws/4intlweedcong.htm>

WSSA Undergraduate Research Award Available for 2004

The Weed Science Society of America (WSSA) has developed an Undergraduate Student Research Grant designed to encourage and involve exceptional undergraduates in agricultural research. Interested faculty members are encouraged to identify potential award candidates and discuss the possibility of sponsoring a research project. Awards may be used as a stipend, for research budget expenses (travel, supplies, etc.), to defer fees, to defray living expenses for summer research, or any combination of these items.

AWARD: Up to \$1000 for support of undergraduate research to be conducted over a minimum of one quarter/semester during 2004. This award may be used to defray the cost of research supplies or as a stipend. Support of a faculty sponsor is required. Awards will be made to the student, to be administered by the faculty sponsor's department.

APPLICANT: The applicant is an undergraduate student with a strong interest in Weed Science. Students majoring in all related disciplines may apply.

TO APPLY: Applicants should prepare a 2-3 page research proposal including name, address, phone number, title, objective, experimental approach, discussion, budget, and references. The discussion section of the proposal should describe the expected results and their possible significance to Weed Science. The student should provide a cover letter in which general academic and career goals are discussed.

A copy of the student's academic transcripts should also be provided.

FACULTY SPONSOR: Any faculty member who is actively engaged in Weed Science research is qualified to be a sponsor. The faculty sponsor should review the research proposal with special attention to the budget, the distribution of funds should be approved by both the student and sponsor. In addition, the sponsor should provide a letter of reference including a statement of his/her willingness to supervise the proposed research and to provide needed space, equipment and supplies above those requested in the proposal. The sponsor is encouraged to assist the student in presenting his/her results at a regional Weed Science Meeting.

HOW TO APPLY: The completed proposal, academic transcripts, cover letter and faculty letter of support should be forwarded to:

Dr. John Jachetta
Dow AgroSciences
9330 Zionsville Road
Indianapolis, IN 46268-1054
Phone: (317) 337-4686
FAX: (317) 337-4649
E-mail: jjjachetta@dow.com

Proposals should be received no later than **November 17, 2003**. Funding decisions will be made by January 25, 2004 and presented at the 2004 WSSA National Meeting Awards Banquet.

APMS Poster and Membership Brochures Available for Your Next Event!

The Education and Outreach Committee has prepared a 54" by 54" poster for members to exhibit at conventions, public meetings, and other extension events. The colorful display discusses the APMS history and mission as well as the Society's four focus areas: aquatic plant problems, research, management, and education.

Two copies of the poster are available along with two tabletop displays. Each display is contained in a single, 38-lb case with wheels and handles to facilitate transportation. The APMS will pay round trip shipping if necessary. Hot off the press is a new APMS membership brochure that summarizes poster information and has a tear-off application to mail in and join the Society. A supply of these brochures will be included with the poster and display to be used as handouts.

Many thanks to SePRO Corporation for donating the printing and laminating costs - about \$1,000 - for the posters. The posters, displays, and membership brochures are stored in Vicksburg, MS, and can be reserved for your next meeting by calling Linda Nelson at 601-634-2656 or by email at: Linda.S.Nelson@erdc.usace.army.mil

You can preview the poster and brochure on the APMS web site at www.apms.org - click on "Other Publications"

Book Review

DiTomaso, Joseph, M. and Evelyn Healy. 2003. *Aquatic and Riparian Weeds of the West*. University of California Agriculture and Natural Resources Publication 3431. Oakland, CA. 442 pp. ISBN 1-879906-59-7

Weighing in at 442 pages, this book is a thorough description of 89 aquatic weeds, with additional descriptions of 96 other species that might be confused with the most common weeds in western wet areas. While many of the weeds described are non-native invaders listed as noxious on federal or state lists, the book also includes many native plants that may pose a nuisance to riparian users. *Aquatic and Riparian Weeds of the West* is inclusive of most of the submersed and floating-leaved weeds, but of necessity is more selective in treating emergent plants, including woody species.

For each of the 89 plant descriptions, the authors have prepared entries that include the common (based on the *Composite List of Weeds* by the Weed Science Society of America) and scientific names, Bayer code, noxious weed lists, synonyms, general information, descriptions of life stages including seedling, mature plant, roots and underground structures, flowers, fruit and seed, habitat, ecological characteristics, distribution, propagation and phenology, cultural or mechanical methods that encourage or discourage survival, and a description of similar species (which often includes photos).

The photos by Jack Kelly Clark are nothing short of stunning. The thorough photo-cataloging of life stages (including seed and seedling) is alone worth the cost of this book. The author's brief summaries for each species are also useful, and comparisons to similar species are very worthwhile.

While the inclusion of keys for separation of species may be a nice practice when you have a selected pool of plants, it is inherently misleading in that plants not included in this treatment may be misidentified. Likewise, the common names included in the *Composite List of Weeds* published by WSSA, and used as the authority for this book, are not necessarily the common names used by those "in the business," so it is best to know the scientific name. Synonyms are not generally included in the index.

Species entries do not include references to other publications, although some genera have a short bibliography in the back of the book.

Potential readers should also bear in mind that this book is focused on the western U.S.; some of the troublesome weeds of the eastern U.S. are not mentioned. While some cultural management techniques are mentioned, the authors purposely avoid making specific recommendations on how to control the weed species described. This book will not tell you the best techniques to manage aquatic and wetland weeds of the west; biological and chemical control techniques receive no mention whatsoever. Personally, I think this book is an outstanding example of the genre, so long as readers bear in mind the limitations.

The target audience of this book is not the casual user of Peterson guides, but rather the professional resource manager seeking to identify and understand their weed species. It would also be helpful as an identification tool on selected species for resource managers, scientists, and professionals with interests in wetlands or riparian areas. At 442 pages, this is not a pocket identification guide, though it would fit in a large fanny pack or daypack. I would recommend this to aquatic and wetland professionals in the western U.S., and possibly the rest of the United States so long as readers bear in mind that it focuses on western aquatic weeds.

Reviewed by: John D. Madsen, Mississippi State University, GeoResources Institute, Box 9652, Mississippi State, MS 39762-9652.
E-mail: jmadsen@gri.msstate.edu

***Aquatic and Riparian Weeds of the West* is available for \$40 + shipping and taxes (no tax if outside California) from:**

http://www.cwss.org/aquatic_book.htm

Excerpts from *The Washington Report*, August 2003

Rob Hedberg, Director of Science Policy

EPA Acts to Resolve Aquatic Pesticide Dilemma and Will Seek Public Comment. On July 11, the EPA issued a memorandum outlining how they intend to enforce the perceived overlap between the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Clean Water Act (CWA). This is a major step towards a positive resolution of the so-called Talent Irrigation issue that could have major impact on herbicide use all across the country.

The Talent Irrigation Issue stems out of a federal appeals court ruling in March 2001 that said, in essence, that application of an EPA-registered aquatic pesticide during a legitimate pest control operation could be determined to be a "point source discharge of a pollutant" into the waters of the United States. As such the pesticide application could be prosecuted as a violation of the Clean Water Act. The implications of this ruling were severe because it would force a whole new set of rules, regulations and requirements on pesticide applicators from which they were universally perceived to be exempt.

The EPA memorandum states at its close, "Rather than interpret the statutes so as to impose overlapping and potentially confusing regulatory regimes on the use of pesticides, this interpretation seeks to harmonize CWA and FIFRA. Under this interpretation, a pesticide applicator is assured that complying with environmental requirements under FIFRA will mean that the activity is not also subject to the distinct NPDES permitting requirements of the CWA." The memo went on to state that the agency will seek public comment on this interim guidance and before issuing the final interpretation and guidance.

It is important to recognize that great progress has been made due to the diligent efforts of people who recognized the serious nature of the problems created by the Talent Irrigation Case. However, as desirable as this clarification and guidance from EPA is, it probably will not be the final word in this controversy and additional legal challenges to the EPA guidance should be anticipated. The letters received by EPA will be an important contribution to the agency's effort to resolve this issue.

Side Note: With guidance from Rob Hedberg, the APMS will submit a letter of public comment to EPA regarding this issue.

Effects of Atrazine on Amphibians - The Saga Continues. The EPA is scheduled to release a revised final Interim Re-registration Eligibility Decision (IREDD) for atrazine in late October. This decision was to have been made August 3, 2002, but was postponed because the Natural Resources Defense Council (NRDC) insisted on review of new studies of potential endocrine disruptive effects on amphibians. The EPA reviewed 17 field and laboratory studies and published

their findings in a White Paper on Potential Developmental Effects of Atrazine on Amphibians. On June 17, they also convened a meeting of outside scientists to review the white paper through the FIFRA-SAP (Federal Insecticide, Fungicide, and Rodenticide Act - Scientific Advisory Panel) (<http://www.epa.gov/scipoly/sap/>). The Weed Science Society of America (WSSA) presented comments on this White Paper to the SAP and responded to specific questions the EPA asked the panel to consider.

In the White Paper, the EPA stated, in part, that they found "the overall weight of the evidence so uncertain that it does not support any definitive conclusions with regard to whether or not atrazine exposure adversely affects amphibian development." The final report of the SAP was released on August 6, and concluded that the EPA review was thorough and that the Agency's conclusions were valid. This SAP report from independent experts verifies the finding that using the best scientific analyses available, atrazine has not been shown to disrupt amphibian development.

Atrazine Cancer Risk Also Re-visited by Yet One More SAP. As mentioned above, the NRDC request for additional reviews delayed the "final" IRED for atrazine from last August until this coming October. In addition to examining the issue of frog deformities, the NRDC also persuaded the EPA to convene another Science Advisory Panel (SAP) to examine whether there is any possible, plausible or discernible correlation between atrazine exposure and prostate cancer.

The agency acquiesced despite legitimate internal and external objections that questions about human carcinogenicity had been thoroughly reviewed and resolved by a prior SAP before the agency issued its preliminary IRED in January, 2003. After an exhaustive review, the prior panel that met in June 2000 determined that atrazine is not likely to be a human carcinogen. The most recent SAP that convened for a one-day meeting on July 17 has not yet published its findings, but most people in attendance felt no compelling evidence was presented that would justify a reversal of the prior panel's findings.

Other News from EPA. There has been considerable shifting at the top of the EPA since Governor Whitman announced her resignation that was effective at the end of June. Linda Fisher who was Deputy Administrator at the time, was appointed as Acting Administrator, but she resigned shortly afterward on July 11. This exodus at the top created two openings that have been temporarily filled by two current senior political appointees. The new Acting Administrator will be Marianne Lamont Horinko, who has been the Assistant Administrator for Solid Waste &

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The Washington Report continued....

Emergency Response. The new Acting Deputy Administrator will be Stephen Johnson, who has been the Assistant Administrator of the Office of Prevention, Pesticides and Toxic Substances (OPPTS). Because of his long tenure with OPPTS, Mr. Johnson is very familiar with the complete array of pesticide issues the Agency will encounter and will be able to provide sound leadership on this significant aspect of the Agency's responsibilities.

Invasive Plants in Natural and Managed Systems

Conference. Preparations are progressing well for this important conference that is co-chaired by WSSA and the Ecological Society of America (ESA) and which will be held November 3-8, in Fort Lauderdale, FL. Registration and program information can be found on the conference website: www.esa.org/ipinams-emapi7/. Currently about 800 people are expected to attend the conference that will include about 200 invited presentations and 70 contributed oral presentations. In addition, there will be about 260 poster presentations and 20 exhibits from a variety of public and private organizations plus 14 field trips to choose from at the beginning and end of the conference. Federal support and interest in this conference has been phenomenal and it should provide a great opportunity to meet with representatives from multiple agencies that have a growing interest in killing weeds.

National Invasive Weed Awareness Week (NIWAW 5).

Plans are also progressing for NIWAW 5 that will be held in Washington, D.C., the week of February 22-27, 2004. Mark your calendars now if you would like to attend or if you would like to explore ways to celebrate the week locally.

...To read this report in its entirety, go to the APMS web site and click on Washington Report...

Second Edition of "Understanding Invasive Aquatic Weeds" Booklet Available

The second edition of the APMS education booklet, *Understanding Invasive Aquatic Weeds*, will be printed in early October and shipped to 24 distribution centers around the country. The booklets, which are written for 4-7th grade students, address problems caused by invasive aquatic plants and discuss management solutions. Classroom and homework activities are provided for five plants that cause problems either regionally or across the country.

Twenty-one sponsors donated \$62,000 to print 425,000 booklets. The NOAA - National Sea Grant College Program contributed \$14,000 over the next two years to distribute most of the booklets. The National Marine Educators Association will distribute the booklets nationwide as part of a Southeast Regional Strategic Initiative project. In addition, each of the seven U.S. APMS Chapters received 40 cases of the booklets that are wrapped in four, 30-copy sets to a case. APMS members who want copies for local schools can get them through their regional chapter representatives.

The booklet can be viewed and individual copies printed from the APMS web site at www.apms.org. Click on "Other Publications"

NOTE: NEW APMS MAILING ADDRESS

The Aquatic Plant Management Society, Inc.
P.O. Box 821265
Vicksburg, MS 39182-1265

JOURNAL SETS FOR SALE

Complete sets of the *Journal of Aquatic Plant Management* (four issues are available as photocopies only) are now for sale. Representing 40 years of research, the first Journal was published in August of 1962, with the most recent issue being Volume 41, July 2003.

Sets are priced at \$250.00 + postage. The average cost of shipping to a U.S. address is \$25 (parcel post rate), and \$35-40 (economy rate) to an international address. The APMS Treasurer can accept check or credit card as payment.

To place an order, contact Linda Nelson at: phone: 601-634-2656
e-mail: Linda.S.Nelson@erdc.usace.army.mil

----- UPCOMING MEETINGS AND EVENTS 2003-2004 -----

<u>DATE</u>	<u>EVENT</u>	<u>LOCATION</u>	<u>CONTACT</u>
October 14-16	Florida Aquatic Plant Management Society	Adams Mark Daytona Beach Resort, Daytona, FL	P. J. Myers Phone (863) 533-8882 www.fapms.org
October 22-23	MidSouth Aquatic Plant Management Society	Auburn University Hotel & Dixon Conference Center Auburn, AL	Eric Barkemeyer Phone (704) 883-8833 ebarkemeyer@cygneterprises.com www.insapms.org
November 3-8	Invasive Plants in Natural and Managed Systems & 7 th International Conference on the Ecology and Management of Alien Plant Invasions	Wyndham Bonaventure Resort and Spa, Fort Lauderdale, FL	www.esa.org/ipinams-emapi7/
November 4-8	North American Lake Management Society (NALMS)	Foxwoods Resort & Casino Mashantucket, CT	Elizabeth Herron emh@uri.edu www.nalms.org
January 19-21	Northeast Aquatic Plant Management Society	Saratoga, NY	www.neapms.org
February 7-11	Weed Science Society of America (WSSA)	Kansas City, MO	Brent Philbrook Phone (816) 242-2547 www.wssa.net
March 6-8	Midwest Aquatic Plant Management Society	Chicago, IL	www.mapms.org
June 19-25	4 th International Weed Science Congress	Durban, South Africa	www.olemiss.edu/orgs/iws/4intlweedcong.htm
July 11-14	44 th Annual Meeting of the Aquatic Plant Management Society	Hyatt Regency Tampa Tampa, FL	Eric Barkemeyer Phone (704) 883-8833 www.apms.org
July 18-24	25 th Annual Meeting - Society of Wetland Scientists	Seattle, WA	www.sws.org

Welcome New Members...

The Aquatic Plant Management Society is pleased to welcome the following new members. Welcome to APMS!

Dana Taylor, West Hatfield, MA
David Douglas, Eustis, FL
Troy Goldsby, Guntersville, AL
Jeff Huether, Geneva, NY
Stanley Royal, Valdosta, GA
Susan Whipkey, Portland, ME
Howard Andler, Stoughton, MA

Renee Keese, Carmel, IN
Carlton Layne, Marietta, GA
Bryan Goldsby, Guntersville, AL
Ronald Lemin, Jr., Bangor, ME
Dan Wickham, Rancho Santa Margarita, CA
Luis Castro, King of Prussia, PA
Thomas Bryce, Fort Stewart, GA

FIRST CALL FOR PAPERS
THE AQUATIC PLANT MANAGEMENT SOCIETY

44th ANNUAL MEETING
TAMPA, FLORIDA – JULY 11-14, 2004

You are invited to submit a title and abstract for the 44th Annual Meeting of the Aquatic Plant Management Society to be held July 11 – 14, 2004 at the Hyatt Regency Tampa in Tampa, Florida. Presentations on all aspects of aquatic plant management, biology and ecology will be considered. Oral presentations are allotted a total of **15 minutes**.

An LCD projector/computer, projection screen, and a laser pointer will be available for oral presentations. **Only PC-based PowerPoint presentations will be accepted.** You will not be allowed to set up a personal computer to run your presentation. Free-standing display boards (4' by 4') will be provided for velcro-backed posters.

Please type the title, author(s), organization(s) and address on the form below exactly as you wish them to appear in the program. Submit this sheet along with an attached abstract of up to 250 words. Abstracts will be printed and provided to meeting participants.

The Submission Deadline for Title and Abstract is April 15, 2004

Presentation Format: Oral Presentation ☐ or Poster ☐ (Please check one)

Student Paper Competition: Yes ☐ No ☐ (Please check one)

Title of Paper/Poster: _____

1st Author: Name: _____ Affiliation: _____

Address: _____

City, State, Postal Code, Country: _____

2nd Author: Name: _____ Affiliation: _____

Address: _____

City, State, Postal Code, Country: _____

3rd Author: Name: _____ Affiliation: _____

Address: _____

City, State, Postal Code, Country: _____

Presenter Contact Information:

Name: _____

Phone: _____

Fax: _____

E-mail: _____

Submit Completed Form & Abstract To:

Eric P. Barkemeyer, APMS Program Chair
Cygnet Enterprises, Inc.

132 Parcel Drive
Statesville, NC 28625

E-mail: ebarkemeyer@cygnetenterprises.com
Phone: 704-883-8833 FAX: 704-883-0505

NOTE: You will be required to submit a CD with your final PowerPoint presentation approximately **1 week** before the meeting. All presentations that include externally run programs, models, or special animation must be reviewed and approved by the Program Chair **1 week** before the meeting. No Exceptions!

2003-2004 APMS Officers, Directors, Committee Chairs and Special Representatives

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C.A.S.T. Representative	Jim Petta	(830) 625-4335	jim.petta@syngenta.com
N.A.L.M.S. Representative	Mark D. Sytsma	(503) 725-3833	sytsmam@pdx.edu
W.S.S.A. Representative	Greg MacDonald	(352) 392-1811	gemac@mail.ifas.ufl.edu

Visit the APMS WEB SITE

<http://www.apms.org>

For members only features: username = apms

password = duckweed