



# WSSA

WEED SCIENCE SOCIETY OF AMERICA

Volume 33, No. 4  
October, 2005

# Newsletter



## PRESIDENT'S MESSAGE

Hopefully, all of you have submitted abstracts for the annual meeting and are beginning to plan your travels to New York City to attend the 46th WSSA meeting and to celebrate the 50th Anniversary of the Society. Program Chair Dale Shaner and the Program Committee have already put a great deal of effort into ensuring

that the annual meeting will be interesting and informative. Five symposia, with topics ranging from how to obtain grant funds to the use of natural products in weed management and biology, were chosen for the program. The 50th Anniversary Committee has special events planned and we hope to have many past members join us for the celebration. Dr. Arnold Appleby completed a book on the history of the society that all attendees will receive as part of the registration. Brad Majek, Chair, the Local Arrangements Committee and Rhonda Green will be providing more information about travel to New York City and discount theatre tickets.

The meeting will be held at the Marriott Marquis which is located on Broadway at Times Square. I think that you will find the hotel is one of the best venues we have had. The location is exceptional with a room rate of \$175. The Marquis Theater is located in the hotel and the musical *The Woman in White* will be playing at the time of the meeting. The hotel is near restaurant row and thirty Broadway theatres. It is within walking distance of the Lincoln Center, Empire State Building, Rockefeller Center, Carnegie Hall, and many other attractions. It is important for the society that you stay at the conference hotel. If we do not meet our guest room block, we will be required to pay for meeting space. Last year in Hawaii, we met the required room block but the year before in Kansas City we did not and the society had to pay nearly \$10,000 for meeting space.

Early registration fee this year will be \$250. However, to take advantage of this early registration fee, members must register by December 1. From December 1 to January 19, the registration fee will be \$350 for members. After January 19, the registration fee will be \$405. Student registration fees will be \$180 through December 1, \$230 from December 2 until January 19, and \$280 after January 19. Non-member registration charges will be \$350 through December 1, \$450 from December 2 through January 19, and \$505 after January 19. Please register early to save some money and to help us better plan for the meeting.

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## Electronic Voting Approved

At the July board meeting, the WSSA Board of Directors unanimously approved electronic voting for the Society. The first electronic ballots will be cast this fall when we elect new WSSA board members. The Board believes that casting electronic ballots versus mailed ballots will increase membership participation in the voting process. Historically, only about 25% of the membership vote in an election or for proposed changes to the WSSA Constitution. Electronic voting also will save the Society some money in postage cost for the mailed ballots.

Ballots, candidate biographies, and amendment explanations will be mailed to members for whom we do not have an email address. Ballot biographies, amendment explanations, and the ballots will also be posted on the WSSA website. An email message will be sent to all members with email address indicating that the electronic polling site is open. To cast your ballot, you will login to a secure website using your WSSA user identification and password. Allen Marketing and Management has a system in place that will handle the casting of electronic ballots. Once you cast your ballot, you can't vote again. All ballots will be made available to the Immediate Past President of the Society, who will count the ballots in the presence of two other WSSA members.

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The Agenda for the Summer Board Meeting was extremely full this year. We worked through several contracts. See Mike Foley's article on the new co-publishing agreement with Alliance Communications Group to publish *Weed Science* and *Weed Technology*. We renewed the contract with Allen Marketing and Management to provide Executive Secretary and Meeting Management services.

Dr. Lee Van Wychen has been hired as the Director of Science Policy. Lee has a Ph.D in Weed Science and was a Congressional Science Fellow. See Lee's article in this newsletter to find out more about him and the Weed Science priorities that he is working on for the coming year. Lee will be attending the Regional and National meetings so please take time to introduce yourself to him. You will find that Lee is very knowledgeable and is very enthusiastic about his new position and weed science.

The XID weed identification program is still in need of photographs. Please check the WSSA web page for information on how to contribute photographs and other information. A list of needed images is listed at the site.

Other items from the Summer Board Meeting:

- Jeff Derr and a special committee provided recommendations to the Board for changes in the website. Expect to see changes and updates in the coming year.
- The 2007 WSSA meeting will be held February 5-8 in San Antonio.
- National Invasive Weed Awareness Week will be February 26 to March 3, 2006. Dr. Nelroy Jackson will be coordinating WSSA's effort for the meeting.
- Dr. Ralph Whitesides joined the Board as Chair of the Constitution and Operating Procedures Committee.
- Reid Smeda, Treasurer, and Joyce Lancaster, Executive Secretary, are working on a Business Plan for the Society to be discussed at the annual meeting.
- The Board approved funding for development of educational materials on weeds and weed science by Mariane Krasny and Toni DiTommaso.
- Electronic voting will be used for the first time for the annual election of officers.

The Board reviewed the Strategic Plan 2001-2006 and discussed accomplishments and points that still need to be pursued. There was a consensus that it was not necessary to make changes in the plan but rather to accomplish priority goals. Therefore, the dates on the Strategic Plan were removed and the plan is now called the Strategic Plan for Action. Goals were set for 4 areas: society governance, membership, annual meeting, and education/publications.

Goals for society governance are to: expedite routine society business; expand the role of the members-at-large and the regional representatives; increase committee responsibility and activity; and increase communication with the membership. Goals regarding membership are to: create new sections for the journals and the meeting to attract new members; develop brochures that identify the scope and value of WSSA membership; develop a mechanism for trial membership; and complete a top quality web site. A membership survey will be conducted to evaluate the annual meeting. Goals for education/publications are to: translate abstracts to Spanish; develop a job description for the Director of Education; and update the web site and find a web site content editor. All of the goals are to be completed within the next 12 months.

I want to thank the Board members for the time and effort they invest in the society. They are required to come early and stay late at the annual meeting and to attend the summer board meeting. In addition, they are asked to carryout special assignments, some of which are very time consuming. Please let them know that as a WSSA member you appreciate their willingness to take on this responsibility.

I am looking forward to seeing all of you in New York City.

Carol Mallory-Smith  
President

## WSSA FUTURE MEETING SITES AND DATES

**2006**

**New York, NY**

**February 13-17**

**Marriott Marquis**

**Local Arrangements:**

**Brad Majek**

**(856) 455-3100,**

**ext. 4122**

**majek@**

**aesop.rutgers.edu**

**2007**

**San Antonio, TX**

**February 5-10**

**Marriott Riverwalk**

**Local Arrangements:**

**Paul Baumann**

**(979) 845-4880**

**p-baumann@tamu.edu**

## THINK NEWSLETTER

**Deadline for January issue  
December 1, 2005**

## WSSA NEWSLETTER

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Published quarterly by the Weed Science Society of America. Subscription included in the annual dues paid by members of the Society. Address correspondence and information to:

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## 2006 Biopesticide Grant Program

The IR-4 Biopesticide Research Program announces a request for grant proposals for funding of efficacy research in 2006. With newer targeted conventional chemicals there is interest in resistance management to maintain the utility of those products. Therefore, IR-4 is especially interested in proposals containing biopesticides as resistance management tools, rotated with conventional products. While resistance management is an important interest, the proposal must still have a majority focus on biopesticides. Selection of treatments and experimental design should be considered to elucidate the contribution of each component to the pest control system. Project proposals will be accepted in three different stage categories. The three project stages are Early, Advanced and Demonstration. The total amount of funding available will be around \$400,000. Most successful grants have generally ranged from \$5,000 to \$10,000 with the largest grants generally around \$20,000. The primary objective of the IR-4 Biopesticides Research Program is to further the development and registration of biopesticides for use in pest management systems for specialty crops or for minor uses on major crops. NOTE: The three project stages: Early, Advanced and Demonstration have specific proposal forms. If you are submitting a proposal for the Early or Advanced stage project, please use the forms on pages 13-24. If you are submitting a proposal for a Demonstration project, please use the forms on pages 25-34. Proposals will be due November 18, 2005.

You can download Grant Procedure and Application in Word format and send it to us by email.

For more information contact:  
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681 U. S. Highway 1 South  
North Brunswick, N J 08902-3390  
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FAX (732) 932-8481  
braverman@aesop.rutgers.edu  
IR-4 Website: www.ir4.rutgers.edu

## Notes from the Business Office

**Joyce Lancaster, Executive Secretary**

It's time to talk about membership renewals for 2006. By the time you read this issue, our first renewal notices for 2006 will already be mailed. Now more than ever is a great time to be a member of WSSA. In addition to providing excellent peer-reviewed scientific journals, *Weed Science* and *Weed Technology*, members have online access to the membership directory, an online membership and product purchasing system, and special membership rates to the annual meeting. This summer, the Board of Directors voted to restructure the membership categories. Following are the membership categories and rates:

Regular Membership (Online only)	\$ 155.00
Regular Membership (Print and Online)	\$ 175.00
Student Membership (Online only)	\$ 40.00
Student Membership (Print and Online)	\$ 60.00
Emeritus (Online access)	\$ 40.00
Emeritus (No journal-print or online)	Complimentary

Anyone who is now retired and has been a member of WSSA for twenty years can request emeritus status by sending me a letter or email.

This spring, Tracy Candelaria took a managing editor position with Allen Press, Inc. so our new association manager is Jason Gilbert. Jason has been on the job now for about three months and has been doing a great job. Jason has previous business management and marketing experience and is a valuable addition to our staff.

The annual meeting is on the horizon. We were in New York this summer and I can hardly wait to go back. I hope you can all join us. It will be an exciting venue and a great celebration of the 50th Anniversary.

Regards,  
Joyce Lancaster

### WSSA Contacts at Allen Marketing and Management

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Regarding: Reviewer questions



**2006 WSSA Annual Meeting**  
**50th Anniversary**  
**February 13-16, 2006**  
**Marriott Marquis**  
**New York, NY**



## Abstract Site NOW Open!

## 2006 WSSA Annual Meeting

The abstract submission site opens on **September 1st, 2005**. The deadline for submissions is **October 1, 2005**. Please read the instructions on the opening page before beginning the submission process. Please take care to submit Posters in one of the Poster sections and/or Oral Presentations in one of the Oral Presentation sections. They are separate categories in the abstract site.

You can access the site at <http://www.wssa.net>.

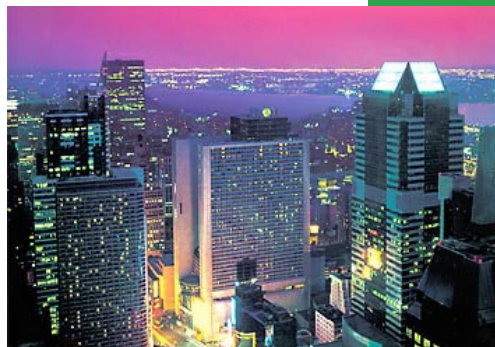


Watch for  
Registration

...opening soon!

Reserve your room today  
at the Marriott Marquis!

(800)228-9290 or (212)398-1900  
Mention WSSA to get the conference  
rate of **\$175.00**.



**Broadway's Original Name** was the Wiechquaakeck Trail. It was an old Algonquin trade route.

There are 6,374.6 miles of streets in New York City.

**Why Cabs Are Yellow** John Hertz, who founded the Yellow Cab Company in 1907, chose yellow because he had read a study conducted by the University of Chicago that indicated it was the easiest color to spot.

## **PROGRAM NOTE FOR New York City February 13-17, 2006**

### **Reminders and Announcements for the 2006 WSSA Meeting in New York City.**

The meeting will begin on Monday, at 4:15 with the General Session and Awards Ceremony followed by the Awardee Reception and 50th Anniversary Celebration. There will be no other reception during the meeting freeing up your evenings to attend a play or to enjoy one of the other many exciting offerings in New York City.

**Symposia and Discussions Sessions.** There are five formal symposia this year. "Obtaining Grant Funds: Experiences and Advice," a symposium proposed and organized by the WSSA Graduate Student Organization, will be held on Tuesday morning. "Advances and Regulatory Implications of Modeling Approaches to Environmental Fate and Exposure Assessment of Pesticides" symposium will be held on Tuesday afternoon. On Wednesday afternoon the "Challenge of minor crop weed control & future direction" symposium will be held. Two symposia will be held on Thursday. "Natural Products in Weed Management and Biology" will be held from 8 a.m. to 12:00 noon and "Grass Weed Resistance: Fighting Back" will be held from 1:00 p.m. to 5:00 p.m. The symposia cover a wide array of presentations and topics. Hopefully, everyone will find a topic that is of special interest.

**50th Anniversary Celebration:** As you know, WSSA started 50 years ago with its first meeting in New York City. We will be celebrating our golden anniversary with a special celebration, a book on the history of the society written by Dr. Arnold Appleby, a special memento, a memorabilia room, and special posters and presentations at each session on the history of that section. We have come a long way in the last 50 years and face many new challenges in the future. Please plan to attend the meeting in New York to celebrate our past successes and to look forward to the next 50 years.

**Special Workshop:** There will be a special all day workshop organized by Dr. Jens Streibig on "Statistical Assessment of Dose-Response Curves with Free Software" that will be held on Sunday, February 12, 2006. The aim of the workshop is to make participants able to succinctly assess toxicity on the basis of proper choice of dose-response models and compare dose-response curves statistically using the free software programme *R* and a specific developed extension package, *drc*, developed for weed scientists and freely downloadable at URL: [www.bioassay.dk](http://www.bioassay.dk). Additionally the package *drc* can also be used to fit germination curves and user-defined functions, for example competition models. See the associated article in this newsletter for additional details on this workshop. The attendance will be limited to a maximum of 20 and the cost will be \$150 per person. Each attendee will need to bring a computer for the class.

I am looking forward to seeing you in New York City and to a productive, fun meeting.

Dale Shaner, Program Chair

# 50th Anniversary Celebration



## CAN YOU BELIEVE IT – PART II

Congratulations to those who correctly answered all of the questions in the last Newsletter under the heading “DO YOU KNOW” and good luck on those in this Newsletter.

Our 50th Anniversary plans are well underway. You will notice, from Dale and Carol, information in other parts of this newsletter about various activities to celebrate this unique occasion.

One of the ways we hope to celebrate the past is to have **memorabilia** that illustrates various aspects of our history. This may be hardware (hand weeding tools, old nozzles, old anything), programs from the early weed science society meetings, vintage Extension bulletins related to weeds, caps or other advertising paraphernalia from industry, pictures of weeding in the “good ol’ days” and anything else along this line.

We invite you to either bring your memorabilia to the meeting or send it in ahead of time so it can be displayed. If you are unable to attend but would like to share your information or momento(s) with your colleagues, please contact Dr. Jerry Doll at phone: (608) 263-7437, fax: (608) 262-5217, or email [jddoll@wisc.edu](mailto:jddoll@wisc.edu).

**SEE YOU IN NEW YORK!**

## DO YOU KNOW?

1. What year the pounding board was presented to which incoming President of WSA?
2. What the significance of the pounding board is for the Society, other than frustration release for the President?
3. What year plans were started for the 1st “Herbicide Handbook” and what year it first became available?
4. What year page charges for Weed Science increased to \$20 and membership dues rose from \$10 to \$12?
5. In what year the Endowment Fund was started?
6. What year and where the first WSSA meeting was held in Canada?
7. What the new logo announced in 1974 illustrated?
8. If WSSA was ahead of the times in banning smoking from the meeting rooms at the annual meeting—do you know the year? Will cell phones and blackberrys be next!
9. If there was ever a time in the Society’s history when prices actually dropped?
10. Does WSSA have an archive? If so, where might it be located?
11. Who was recognized as the *First Lady of Weed Science*?
12. What the circumstances were around the above recognition?

Once again this is a sample of the information contained in Dr. Appleby’s book on the history of WSSA. We applaud his efforts and know he is happy that it is off to the printer.

Follow the logo and look for the answers to these questions elsewhere in this issue of the Newsletter.

# WASHINGTON REPORT

by Lee Van Wychen, Director of Science Policy

## GREETINGS!

Hello fellow weed scientists and practitioners. I want to formally introduce myself as the new Director of Science Policy for the National and Regional Weed Science Societies. I began work on July 18, 2005. As the only official employee of the WSSA, in conjunction with financial support from the NEWSS, NCWSS, SWSS, WSSWS, and APMS, I am at your service.

Rob Hedberg left a big pair of shoes for me to fill. I have spent my first month getting up to date on some of the major issues facing the National and Regional Weed Science Societies and meeting some of the "movers and shakers" here in DC that can help us advance the Weed Science Societies' agenda.

## TECHNOPHILE

Another chunk of my time has been spent updating the DC office on some technology issues. I don't know about you, but I haven't used a dial-up connection to the internet since 1995 and I certainly didn't intend to go back. I believe that all the Societies can benefit from the technology out there and improve our operational efficiency. We have a lot of tech savvy people in our membership and I hope to draw on their expertise to help move the Weed Science Societies forward.

## THE TRAIN HAS LEFT THE STATION

For those of you who have been to the Washington, DC office, you know that our office suite directly overlooks the railroad tracks that depart from Union Station. Hence, I see a lot of trains arrive and depart every day. I share this office suite with Karl Glasener from the Agronomy, Crop and Soil Science Societies (ASA-CSSA-SSSA), and Tamara Wagester from the Council on Food, Agricultural and Resource Economics (C-FARE). We hope to expand the office suite to more "agricultural policy directors" in the future because we

certainly benefit from our interactions on any number of issues. At the same time, I hope that if you are visiting Washington, DC, for business or pleasure, that you will let me know when you will be in town! I can easily arrange a visit to your elected officials' Congressional office and provide you with some briefing materials. It's really a piece of cake!

## FIVE GOALS THIS YEAR

Working with Rich Bonanno, chair of the WSSA Washington Liaison Committee, we have developed a list of five main goals we would like to accomplish in the coming year.

### 1. Expand the awareness of weed science issues and increase participation in the 7th National Invasive Weeds Awareness Week (NIWAW 7).

Nelroy Jackson, chair of the NIWAW 7 planning committee has done an amazing job of planning the next conference. Nelroy has been an invaluable resource to me thus far. The Weed Science Societies are fortunate to have such a dedicated and committed member to weed science issues. Plan to attend NIWAW 7 on February 26-March 3, 2006 in Washington, DC!

### 2. Work with the USDA-ARS to adopt Weed Science as a Federal job series.

Rob Hedberg initiated this movement and I hope we can finish it. I find it ridiculous that when ARS posts a job listing for a weed scientist that they can't refer to the position need as "Weed Scientist".

### 3. Expand the WSSA's participation and recognition within the EPA as an "independent and unbiased source of information for weed science related issues".

The EPA has opened the door for us and we need to take advantage

of this opportunity. Initially, I will be working with Carol Mallory-Smith, Rich Bonanno and John Jachetta this fall to set this train in motion.

### 4. Increase Weed Science research funding opportunities.

The WSSA is currently a dues paying member of several coalitions whose main goal is to advance agricultural research funding opportunities. Two main coalitions are the Coalition on Funding Agricultural Research Missions (CoFARM: <http://www.cofarm.org/index.html>) and the National Coalition for Food and Agriculture Research (NC-FAR: <http://www.ncfar.org/index.asp>). I also hope to get the WSSA more involved in the Council for Agricultural Science and Technology (CAST: [http://www.cast-science.org/cast/src/cast\\_top.htm](http://www.cast-science.org/cast/src/cast_top.htm)). I met with CAST's new Executive Vice President, John Bonner, on September 23, 2005.

### 5. Find opportunities to advance the awareness and financial support of weed science in the 2007 Farm Bill.

As most of you know, the discussion and listening sessions for the 2007 Farm Bill have already begun. There is much debate about how our international trade negotiations and World Trade Organization (WTO) cases will affect the commodity programs in the next Farm Bill. Regardless of what happens, weed science needs to have a seat at the table and make sure our voice is heard on Capitol Hill.

## MONEY AND MAYHEM

### USDA RELEASES \$5 MILLION TO RESTORE AND PROTECT WETLANDS IN 20 STATES

On July 19, 2005, Agriculture Deputy

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Secretary Chuck Conner announced the availability of \$5 million in the Wetlands Reserve Program (WRP) for restoration activities in 20 states. These funds will restore and protect nearly 40,000 acres of wetlands. "This is another step towards meeting the President's wetlands initiative goal set last year to restore, improve and protect at least 3 million acres of wetlands. Through cooperative conservation efforts with federal and state agencies, private landowners and nongovernmental organizations, saving wetlands is resulting in cleaner air and water, healthier soil and improved fish and wildlife habitat," said Conner.

WRP, administered by the Natural Resources Conservation Service, is a voluntary conservation program that offers landowners the opportunity to protect, restore and enhance wetlands on their property. The goal of the program is to achieve the greatest wetland functions and values and create optimum wildlife habitat on every acre enrolled in the program.

States receiving the WRP funds are:

California—\$250,000;  
Delaware—\$300,000; Idaho—\$56,500;  
Illinois—\$40,000; Iowa—\$125,000;  
Louisiana—\$800,000;  
Maryland—\$20,000;  
Michigan—\$250,000;  
Minnesota—\$350,000;  
Mississippi—\$100,000;  
Missouri—\$550,000;  
Nebraska—\$150,000;  
New York—\$300,000;  
North Carolina—\$93,000;  
Ohio—\$100,000;  
Oklahoma—\$50,000; South  
Carolina—\$385,000;  
Tennessee—\$75,000;  
Texas—\$521,125; and  
Vermont—\$10,000.

Additional information on WRP is available at <http://www.nrcs.usda.gov/programs/wrp>

## PESTICIDE DRIFT

On July 25, 2005, the USDA ARS issued a News Release, titled "Unique Software for Preventing Pesticide Drift," which states in part that "The first user-friendly computer software for estimating the droplet drift dis-

tances for pesticide spray applications has been released by ARS and Ohio State University agricultural engineers. Heping Zhu and Robert Fox at ARS' Application Technology Research Unit in Wooster, Ohio, and Erdal Ozkan at OSU-Columbus named the new software "DRIFTSIM," for Drift Simulator... The OSU Communications and Technology Office is distributing the DRIFTSIM software for a nominal fee. The Windows-based software can help farmers and Extension Service educators minimize pesticide drift by helping them choose equipment, settings and techniques. It also helps manufacturers design pesticide formulations and pesticide spraying equipment to minimize drift potential of their products. To calculate the likelihood of pesticide drift, the program allows pesticide spray operators and manufacturers to specify wind speed, droplet size and speed, nozzle height, operating pressure, air temperature and relative humidity..." – The complete text of the ARS News Release is posted at <http://www.ars.usda.gov/is/pr/2005/050725.htm>

## BIOPESTICIDE RESEARCH GRANT PROPOSALS

Biopesticide Research Grant Proposals are sought by November 18, 2005 by the Interregional Research Project No. 4 (IR-4) – The IR-4 Biopesticide Research Program has issued a "request for grant proposals for funding of efficacy research in 2006. With newer targeted conventional chemicals there is interest in resistance management to maintain the utility of those products. Therefore, IR-4 is especially interested in proposals containing biopesticides as resistance management tools, rotated with conventional products. While resistance management is an important interest, the proposal must still have a majority focus on biopesticides. Selection of treatments and experimental design should be considered to elucidate the contribution of each component to the pest control system... The total amount of funding available will be around \$400,000. Most successful grants have generally

ranged from \$5,000 to \$10,000 with the largest grants generally around \$20,000. The primary objective of the IR-4 Biopesticides Research Program is to further the development and registration of biopesticides for use in pest management systems for specialty crops or for minor uses on major crops... Eligible applicants are all U. S. public and private colleges and universities, USDA agencies, commodity groups, non-government organizations and contract research organizations. Preference is given to proposals from USDA and land grant institutions. Basic producers or registrants of biopesticides will not be funded, however collaboration with registrants is strongly encouraged..." – Details are posted at <http://ir4.rutgers.edu/Docs/2006callforproposals.htm> – Questions may be directed to Michael Braverman, Ph.D., IR-4 Biopesticide Manager at 732 932 9575, ext 610; e-mail: [Braverman@aesop.rutgers.edu](mailto:Braverman@aesop.rutgers.edu)

## FARM BILL FORUMS

The dates, locations and times of the forums will be announced as they are scheduled and be available on the USDA website:

<http://www.usda.gov/farmbill>

Six key topics will frame the forums, which the public is invited to comment on:

1. How should farm policy be designed to maximize US competitiveness and our country's ability to effectively compete in global markets?
2. How should farm policy address any unintended consequences and ensure that such consequences do not discourage new farmers and the next generation of farmers from entering production agriculture?
3. How should farm policy be designed to effectively and fairly distribute assistance to producers?
4. How can farm policy best achieve conservation and environmental goals?
5. How can federal rural and farm programs provide effective assistance in rural areas?
6. How should agricultural product development, marketing, and

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research-related issues be addressed in the next farm bill?

Respondents can submit their comments electronically on the USDA home page (<http://www.usda.gov>) by selecting "Farm Bill Forums." Comments can also be emailed to [FarmBill@usda.gov](mailto:FarmBill@usda.gov), or be sent by mail to: Secretary of Agriculture Mike Johanns, Farm Bill, 1400 Independence Avenue SW, Washington, DC 20250-3355. USDA will review the public comments received by December 30, 2005, including any analyses, reports, studies and other material submitted with the comments that address the six questions.

### AT YOUR SERVICE

I am very grateful for the opportunity to serve as Director of Science Policy for the National and Regional Weed Science Societies! I believe that the best days for the Weed Science Societies lie ahead of us. I look forward to the opportunity to get to work with more of our members and hope you feel comfortable enough to contact me with concerns that you have. I'm not going to be able to address every single issue, but I will certainly do my best to help you out. Along those lines, I hope that I can bring in a weed science grad or undergrad student to DC on a short internship to help me out. If you have any interest in DC policy and politics, I could use your help in the near future!

I didn't really provide you with any of my background, but I want to give you a brief summary of who I am:

- Grew up on a dairy farm near Green Bay, WI. Didn't like milking cows, so I did my undergrad work in Agronomy and Horticulture at the University of Wisconsin.
- Completed my Masters Degree in sweet corn weed management under the late Dr. Gordon Harvey.
- Have been a member of the WSSA since 1996 and have attended six Annual Meetings and five regional weed science meetings.
- Dr. Bruce Maxwell and Dr. A. J. Bussan co-advised me on the "Field-Scale Spatial Distribution,

Water Use, and Habitat of Wild Oat in the Semiarid Northern Great Plains" at Montana State University.

- Dr. Clarence Swanton's gray hair is due to me (I was an unfortunate pedestrian in a hit and run accident while at the 2000 WSSA Annual Meeting in Toronto, Ontario, Canada).
- Was selected as a Congressional Science Fellow through the Agronomy, Crop, and Soil Science Societies Congressional Fellowship Program in 2002-03.
- During the past two years, I worked for Rep. Gil Gutknecht (R-MN) and Rep. Nick Smith (R-MI, retired), both members of the House Agriculture and House Science Committees.
- I am socially moderate and fiscally conservative in my political views. If you "take the quiz" at <http://www.politicalcompass.org/>, you can compare yourself to my numbers. I'm a 1.5 on the social axis and a 6.2 on the economic axis.
- My lifetime alumni memberships include Alpha Gamma Rho and the National FFA Organization.
- The Green Bay Packers are invincible. ☺
- "You ain't much if you ain't Dutch", a local saying back home.
- In my free time, I play a lot of recreational sports, spend time with my girlfriend, and serve as a "volunteer" tour guide in Washington, DC.

I would like to thank the WSSA Board of Directors for this opportunity. I look forward to working with you.

Sincerely,

Lee Van Wychen  
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**THINK NEWSLETTER**  
**Deadline for January issue**  
**December 1, 2005**

## Board Move Forward with Publication Agreement

The Board of Directors approved a five year agreement with Alliance Communication Group (ACG), the publishing division of Allen Press, to publish *Weed Technology* and *Weed Science* on behalf of WSSA. In addition, they may be involved with selected special publications, e.g., books. The new agreement will replace several separate agreements involving online manuscript submission; journal production vis-à-vis management, copy editing, and printing; and electronic publication services. In addition, ACG will provide publishing expertise through marketing staff and advertising representatives. ACG would bear all risk of financial loss and we will receive 18% of total revenue (before expenses) as royalty; estimated at \$550,000 over 5 years. Total revenue would be derived much as before from institutional subscriptions, author page and reprint charges, revenues from BioOne and JSTOR, and an average \$35 per member contribution by the society with the contribution level depending on individual selection of online versus print and location (North America versus international). Online access will be the member benefit, with print copy available for an additional \$20 when you pay your 2006 membership fee. WSSA will retain ownership of the titles, the copyright, and subscription list and maintain control over journal content, editorial direction, and policies. ACG intends to increase subscription price (library price) and change our subscription model from print only to complete online access for all institutional subscribers to enhance revenue, and will increase licensing to expand in new markets and increase our impact. I anticipate transition from Allen Press to ACG will be transparent to WSSA members.

Mike Foley  
Director of Publications



## HERE ARE THE ANSWERS

### DO YOU KNOW?

1. What year the pounding board was presented to which incoming President of WSA?  
**In 1961, the pounding board was presented by outgoing President Kenneth Buchholtz to incoming President Warren Shaw.**
2. What the significance of the pounding board is for the Society, other than frustration release for the President? **The pounding board was specially prepared to represent Canada and the four regional weed conferences of the WSSA. The basic board, to represent Canada, is a circular piece of black cherry. On the top surface of the board, eight trapezoid-shaped pieces of wood were inset into the black cherry block. Two pieces of wood were procured from each of the four weed research regions: NEWSS – white ash and sugar maple; NCWCC - paper birch and black walnut; WSWs – big sagebrush and alligator walnut; SWSS – blackjack oak and live oak.**
3. What year plans were started for the 1st “Herbicide Handbook” and what year it first became available? **Plans were set in motion for the 1st Herbicide Handbook in 1964 and it became available in 1967.**
4. What year page charges for Weed Science increased to \$20 and membership dues rose from \$10 to \$12? **Page charges and membership dues were increased in 1969.**
5. In what year the Endowment Fund was started? **Maybe caught you on this one, it actually started in 1956 but was not very active for many years with only \$12,000.00 in 1986 but has grown under the hard work of the Endowment Fund committee to \$297,913.17 as of August this year. Kudos to Jim Riggelman who chaired the committee from 1986 to 2002.**
6. What year and where the first WSSA meeting was held in Canada? **The year was 1970 and the location was Montreal with the late John Bandeen as local arrangement chair.**
7. What the new logo announced in 1974 illustrated? **The logo consisted of an oval divided in half (top to bottom) by a test tube and further divided in half horizontally by a hoe. Each quadrant contained one of the WSSA letters. In addition, pictorially there were weeds, a producer and some cereal grain heads.**
8. If WSSA was ahead of the times in banning smoking from the meeting rooms at the annual meeting—do you know the year? Will cell phones and blackberrys be next! **Smoking was banned from the meeting rooms in 1975.**
9. If there was ever a time in the Society’s history when prices actually dropped? **Yes, in 1975 the Society was doing well financially and the manuscript per page charges were reduced from \$20.00 to \$15.00. In 1976 membership dues were reduced from \$20.00 to \$15.00.**
10. Does WSSA have an archive? If so, where might it be located? **The archives were located in Stoneville, MS, until 1997 when it was moved to the current location at the Iowa State Library Department of Special Collections in Ames.**
11. Who was recognized as the *First Lady of Weed Science*? **Fanny Fern Davis with the U.S. Golf Association Greens Section was awarded this title by Warren Shaw in 1979.**
12. What the circumstances were around the above recognition? **She was recognized, in the words of Jean Dawson, for “setting in motion a program that would distinguish her as the first person to direct a developmental program that would result in practical selective weed control with 2,4-D.” Shaw further stated, “while many can claim to be the father of weed science, we know that only you can qualify as the mother of modern weed science.”**

# A Course on the Biology & Evolutionary Ecology of Invasive Weeds

**Agronomy 517, Weed Ecology & Evolutionary Biology**, a graduate course, is offered every Spring semester at Iowa State University to anyone anywhere in the (Internet) world, particularly to those who do not have access to an upper level Weed Biology course.

**COURSE CONTENT.** The course is founded on understanding the invasion biology of plants and weeds, the evolution of life histories, the trait basis of invasive plant evolution and success, and trade-offs among these invasive traits within specific weed species. Featured also are the role of selection by humans and disturbance; opportunities thus created in agricultural and natural habitats; the consequent processes of invasion, colonization, enduring occupation and range expansion; community assembly and plant population shifts. The course utilizes materials on the 517 web site, a textbook (*Silvertown & Charlesworth, Introduction to Plant Population Biology (2001), 4th Ed., Blackwell Science*), and weekly dialogue on the web and in the classroom among all students and the instructor.

**THE E-CLASSROOM.** The 517 classroom consists of a combination of local graduate students (on-campus; Iowa State University; USA) and remote WWW-Long Distance (US, Europe) students joined together in the classroom by means of weekly internet discussion questions, exams and projects. At the same time bi-weekly, on-campus, classroom discussions were available by audio-streaming technology on the 517 web site.

**STUDENTS.** The diversity of the outstanding graduate students that take this course spans a broad disciplinary, cultural and geographic range. This diversity in students provides a rich basis for understanding and discussion. Particular invasive and weed species in each student's geographic and ecological areas of interest are featured.

**ENROLLMENT.** 517 is offered every Spring semester (January-April). The course is taught in English, and written skills are essential. Due to the content and rigorous approach to invasion biology, and the interactive dialogue nature of the course, enrollment is limited to 12 students per year; all with approval of the instructor.

**Off-campus students** should contact **ISU Continuing Education Office** ([www.lifelearner.iastate.edu](http://www.lifelearner.iastate.edu)) to enroll and arrange credit transfer to other universities.

## **COURSE URL:**

[www.agron.iastate.edu/~weeds/AG517/AG517HP.html](http://www.agron.iastate.edu/~weeds/AG517/AG517HP.html)

## **Interested students should contact:**

**Jack Dekker, Agronomy, ISU** ([jdjekker@iastate.edu](mailto:jdjekker@iastate.edu))  
([www.public.iastate.edu/~jdjekker/homepage.html](http://www.public.iastate.edu/~jdjekker/homepage.html))

## Work shop at the WSSA Meeting 2006 Statistical assessment of dose- response curves with free software

**Organisers:** Jens C. Streibig and Christian Ritz (KVL, Copenhagen, Denmark).

**Venue:** Marriott Marquis, New York, New York

**Time:** 8:00-5:00 February 12, 2006

**Cost:** \$150

### **Course description:**

Herbicides are designed to kill plants and their selective use in crops is a question of dose. Consequently, use of dose-response curves is fundamental to understanding herbicide selectivity and efficacy. This principle can be extended to other branches of weed management, e.g. allelopathy, flame weeding, weed steaming, physical control, laser cutting and radiation and weed crop competition.

Dose-response curves, germination curves, and competition models are genuine non-linear. The way they are summarized varies and often depends on tradition and/or available statistical software rather than theoretical considerations of the best way to exploit the information contained in the data.

The aim of the course is to make participants able to succinctly assess toxicity on the basis of proper choice of dose-response models and compare dose-response curves statistically using the free software programme **R** and a specific developed extension package, *drc*, developed for weed scientists and freely downloadable at URL: [www.bioassay.dk](http://www.bioassay.dk). Additionally the package *drc* can also be used to fit germination curves and user-defined functions, for example competition models.

### **Course content:**

- 1) The meaning of dose-response curves
- 2) Installation of **R** and how to work with the programme.
- 3) Fitting and comparing dose-response curves, e.g.: discrete versus gradual endpoints, relative versus raw data, upper and lower limits, measurement of efficacy and index of selectivity, bioassay design, heterogeneity of variance, which model to choose and how to assess hormesis responses.
- 4) Working on handout data or, preferentially, own data. See program below for more details.

### **Participants:**

Graduates and postgraduate students, weed scientists in public and private institutions. There will be a maximum of 20 attendants. Participants are requested to bring their own PC and data to get the maximum benefit from the course.

### **Course Material:**

Essential course material will be e-mailed to participants one week before the course and a cd with all material will be distributed to participants at the course.

### **Prerequisite:**

Basic knowledge of statistics, including regression analysis, would be preferable.

Ritz, C. and Streibig, J.C. (2005). Bioassay Analysis using **R**, *J. Statist. Software*, Vol. 12, Issue 5.

URL: [www.bioassay.dk](http://www.bioassay.dk).



**NEW!**

# STP 1460 PESTICIDE FORMULATIONS and DELIVERY SYSTEMS: The Continued Evolution of Agrochemicals, 24th Volume

Editors: G. Robert Goss, Oil-Dri Corporation  
Gregory C. Volgas, Helena Chemical  
Company  
Masoud Salyani, University of Florida

Fourteen peer-reviewed papers address the latest advances in pesticide formulations and delivery systems.

Three sections cover:

**Formulations**—addresses some of the new challenges in formulating pesticides, including the advent of GMOs (genetically modified organisms) and their effect on the chemical aspects of pest control; new uses of chemicals through formulation changes, liquid and solid formulations and applications, and fluorescent imaging to assess efficiency.

**Delivery Systems**—discusses delivery and interactions of the pesticide with the target organism, including spray release height and drop size, aerial sprays, and abscission sprays.

**Adjuvants**—covers the enhancement of pesticide formulation by the use of spray additives.

143 Pages (2005); Soft Cover: 6" x 9"  
\$40 North America; \$44 Elsewhere  
ISBN: 0-8031-3485-1; Stock # STP146

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Agricultural Granule Particle Size Considerations—G.R. Goss

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Evaluation of Some Adjuvants for Improving Glyphosate Efficacy—S. Singh, M. Singh

# “Transgenic Herbicide Tolerant Crops: Agronomy, Environment and Beyond”

**CWSS SYMPOSIUM • NOVEMBER 28, 2006**

The Canadian Weed Science Society will be hosting a symposium entitled, “Transgenic Herbicide Tolerant Crops: Agronomy, Environment and Beyond”, on Monday November 28, 2005 from 9:00 am to 5:00 pm at the Sheraton Fallsview Hotel in Niagara Falls, Ontario, Canada. The symposium will address issues of international trade, agronomy and the environmental impact of this technology. For further information please visit the web site of the Canadian Weed Science Society at [WWW.CWSS-SCM.CA](http://WWW.CWSS-SCM.CA)

<b>Monday Morning, November 28, 2005</b> <b>8:00 a.m.–12:00 Noon</b> <b>Symposium</b> <b>Transgenic HT Crops:</b> <b>Agronomy, Environment and Beyond</b> Session Chair: Clarence Swanton Oakes South			<b>Monday Morning, November 28, 2005</b> <b>Lunch</b> <b>1:00–5:00 p.m.</b> Oakes South		
TIME	TOPIC	SPEAKER	TIME	TOPIC	SPEAKER
9:00	Welcome	Denise Maurice	1:00	Intraspecific Gene Flow: Influencing Factors and Consequences	Linda Hall
9:05	Local Arrangements	Al Hamill	1:20	Gene Flow between GM Crops and Related Species in Canada	Suzanne Warwick
9:10	Introduction to Symposium	Clarence Swanton	1:40	Monitoring and Persistence of rDNA in Soil and Water	Rob Gulden
9:20	Sowing the Seeds of Acceptance	Ray Mowling	2:00	Non-Target Impacts on Soil Fungi of Roundup Ready Cropping Systems	Jeff Powell
9:40	Ten Years of Biotechnology – A Historical Perspective of Science, Politics and Trade	Connor Dobson	2:20	Non-Target Impact of Herbicide Tolerant Crops on Soil Bacterial Communities	Kari Dunfield
10:00	Break		2:40	Genetically Modified Feed and the Fate of Recombinant DNA Through the Digestive Tract of Livestock	Tim McAllister
10:20	Weed Management with Herbicide Tolerant Crops in Eastern Canada	Peter Sikkema	3:00	Break	
10:40	Weed Mangement with Herbicide Tolerant Crops in Western Canada	Neil Harker	3:20	GM Crops are Not Containable	E. Ann Clark
11:00	Selection of Herbicide Resistance and Tolerance in Weeds; the Influence of Herbicide Resistant Crops	Francois Tardif	3:40	The Potential for Co-Existence of GM and non-GM Crops in Canada	Rene Van Acker
11:20	Herbicide Tolerant Canola – the View from the Farm Gate	Joanne Buth	4:00	Implications of Genetically Modified Crops for the Canadian Seed Industry – Challenge or Opportunity?	Henry Olechowski
11:40	Panel Discussion with all morning speakers	Clarence Swanton	4:20	Incorporating Rapidly Evolving Scientific Knowledge into Risk Assessment for Plants with Novel Traits	Phil Macdonald
			4:40	Summary and panel discussion with all afternoon speakers	

# POSITION ANNOUNCEMENTS

## HEAD DEPARTMENT OF BOTANY AND PLANT PATHOLOGY Purdue University

**Position:** Purdue University invites applications and nominations for the position of Professor and Head, Department of Botany and Plant Pathology in the College of Agriculture.

**Department:** The Department of Botany and Plant Pathology is one of 11 academic departments in the College of Agriculture. The department has 28 faculty members (including 4 USDA/ARS adjunct faculty), 30 professional, clerical, and technical staff, and 79 post-doctoral, graduate and undergraduate students. Faculty research is strongly interdisciplinary and varies from applied aspects of weed and disease management to basic physiology, genetics, and molecular biology of plants, pathogens, and host-parasite interactions. The department supports strong extension programs in weed science and plant pathology, including Purdue University's pesticide programs. Further information about the department can be found at <http://www.btny.purdue.edu>.

**Responsibilities:** The Head will work closely with faculty and staff to pursue departmental priorities, allocate

resources, and promote the department in university, regional, national and international arenas. The Head will provide leadership and supervision to the department to cultivate an environment favorable to the teaching, research, and extension activities of the faculty. The candidate should be committed to promoting interdisciplinary research opportunities and enhancing the diversity of the faculty, students and staff consistent with university efforts.

**Qualifications:** The successful candidate must have an earned doctoral degree and an outstanding record of scholarly achievement in a discipline of plant science relevant to the department with an established record of effectiveness in teaching, research, and/or extension. Candidates must qualify for the rank of professor with tenure in the department. Experience in a land-grant university is preferred. The person must be skilled in building teams, in managing interdisciplinary research, extension, and education programs, and be able to relate to diverse groups including students, alumni and clientele/general public.

**Salary:** Commensurate with qualifications and experience. Excellent fringe benefit package includes: TIAA-CREF retirement program; medical, life and disability insurance.

**Application Procedure:** Letters of interest should address the applicant's vision, administrative philosophy emphasizing their ability to foster research, teaching, extension, development and international missions of the department, and leadership experiences and qualifications; include a complete *curriculum vitae* and provide the names, addresses, telephone and fax numbers, and e-mail addresses of five references. Nominations of outstanding individuals for the position are welcome. *Screening of applicants will begin October 15, 2005 and will continue until a suitable candidate is selected.* Applications, nominations, and inquiries should be addressed to:

Craig Beyrouthy,  
Search Committee Chair  
Department of Botany and  
Plant Pathology Head Search  
Purdue University  
Office of the Dean of Agriculture  
615 W. State Street  
West Lafayette, IN 47907-2053  
Contact Information:  
(765) 494-4774 (phone),  
(765) 496-2926 (fax), or  
[beyrouthy@purdue.edu](mailto:beyrouthy@purdue.edu)

*Purdue University is an Affirmative Action/Equal Access/Equal Opportunity Employer. Women and minorities are encouraged to apply.*

## THINK NEWSLETTER

Deadline for January issue is  
December 1, 2005.



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# CALENDAR OF UPCOMING EVENTS

DATE	EVENT	LOCATION	CONTACT
October 31-November 2, 2005	BCPC International Congress	Glasgow, Scotland	Becky Dyer Tel: +44 (0) 1420 593 200 Email: becky.dyer@bcpc.org
November 6-10, 2005	American Society of Agronomy– Crop Science Society of America– Soil Science Society of America International Annual Meetings	Salt Lake City, Utah	www.asa-cssa-sssa.org/anmeet < <a href="http://www.asa-cssa-sssa.org/anmeet">http://www.asa-cssa-sssa.org/anmeet</a> > Tel: 608-273-8080
November 7-11, 2005	20th APWSS Conference	Rex Hotel Ho Chi Minh City, Vietnam	Dr. Duong Van Chin, Chair Organizing Com. 20th APWSS Conf. Dept. of Weed Science & Farming System Cuulong Delta Rice Research Institute Omon Cantho, VIETNAM Email: duongvanchin@hcm.vnn.vn
November 8-11, 2005	17th Latin America Weed Association (ALAM), 4th National Weed Congress of Cuba and 1st Iberoamerican Weed Science Congress	Centro de Convenciones Plaza America Varadero, Matanzas, Cuba	Dr. Juan Carlos Diaz President of the Organizing Committee Email: jcdiaz@inica.edu.cu <a href="http://grec.ifas.ufl.edu/Weed%20Science/Alam/Web%20page/ALAM01.htm">http://grec.ifas.ufl.edu/Weed%20Science/ Alam/Web%20page/ALAM01.htm</a>
November 16-18, 2005	XXVI Annual Meeting Mexican Weed Science Society	Ciudad Victoria, Tamaulipas, Mexico	Enrique Rosales-Robles rosales.enrique@inifap.gob.mx Sostenes Varela svarela@uat.edu.mx www.agronomiayciencias.uat.edu.mx/ asomecima
November 27-30, 2005	Canadian Weed Science Society Annual Meeting	Falls View Sheraton Hotel Niagara Falls, Ontario	Al Hamill Tel: 519-738-2251, ext. 487 Email: hammilla@agr.gc.ca
December 11-14, 2005	North Central Weed Science Society Meeting	Hyatt Regency Crown Center Kansas City, Missouri	John Wollam Tel: 816-242-0361 Email: john.wollam@bayercropscience.com
January 3-6, 2006	Northeastern Weed Science Society Meeting	Westin Hotel Providence, Rhode Island	Timothy Dutt Tel: 610-285-2006 Email: timothy.e.dutt@monsanto.com
January 22-26, 2006	Southern Weed Science Society Meeting	Omni Hotel San Antonio, Texas	Robert Schmidt raschwssa@aol.com
February 13-17, 2006	Weed Science Society of America Annual Meeting	Marriott Marquis on Broadway New York, New York	Brad Majek Tel: 856-455-3100, ext. 4122 Email: majek@aesop.rutgers.edu
April 4-6, 2006	5th International IPM Symposium of the North American Weed Management Association	St. Louis, Missouri	
September 18-21, 2006	14th Annual North American Weed Management Association	Calgary, Alberta Canada	
September 17-21, 2007	9th International Conference on the Ecology and Management of Alien Plant Invasions Weed Science Society of Western Australia	Perth, Australia	

# WEED SCIENCE POSITIONS ON THE WEB

WeedJobs <<http://www.wssa.net/weedjobs/>>

Interested in advertising a weed science position or looking for a job on the Internet? Then visit the WeedJobs Web pages.

## Information for Persons Wishing To Advertise Positions

Why advertise your weed science position at WeedJobs? First, you get worldwide advertising — most of the younger generation surf the Internet when job hunting. Second, it is fast — it can be on the Web within a day or two of submission. Third, and best of all, it's free.

What type of positions may be advertised? The listing is restricted to positions in weed science — but all aspects — not just academic or research positions. Advertisements for permanent, term, postdoctoral or graduate student positions will be accepted from anywhere in the world.

To submit an advertisement, go to the URL above and follow the instructions.

Send Newsletter material to:

**DAVID SHAW**  
WSSA Newsletter Editor

GeoResources Institute  
Mississippi State University  
Box 9652 • Mississippi State, MS 39762  
Telephone (662) 325-9575  
Fax (662) 325-9578  
Email: [dshaw@gri.msstate.edu](mailto:dshaw@gri.msstate.edu)

## Get Involved – learn more about WSSA! Join a Committee!

In order to continue to grow and change as an organization, WSSA needs your active participation. WSSA is an organization that is run by the membership on a volunteer basis. The committees form the structure of the organization and direct WSSA's many activities, from selecting awardees to publications to representing specific subject matter areas. Please look at the committee list and volunteer for a committee! The duties of each committee are outlined in the society's MOPs and can be accessed on the WSSA website. One or more committee members rotate off each committee each year providing an opportunity for others to be involved. The committee chairs are responsible for recruiting and recommending a volunteer to serve in each position (there may be some restrictions such as location/region – for example if the person rotating off the committee is from the north-central, the new member should represent that region as well). Please contact the committee chair for more information on the committee you are interested in and to volunteer to serve! Thank you for volunteering to keep WSSA a relevant organization!

**THINK NEWSLETTER**  
Deadline for January issue is  
December 1, 2005.

