



WSSA

WEED SCIENCE SOCIETY OF AMERICA

Volume 34, No. 2
April, 2006

Newsletter



PRESIDENT'S MESSAGE

Hopefully everyone returned home safely and with minimal delay after our 50th Anniversary meeting in New York. The final registration number was 487. This year's meeting was definitely a challenge for our members, weather-wise. It isn't often you have the biggest snowstorm in 60 years to contend with. I am very

grateful for the perseverance and flexibility of our membership. Many who could not make it to New York on Sunday persisted and got to the meeting on Tuesday. We were able to delay the Awards presentations and 50th Anniversary and Awards reception to Wednesday and this allowed more members to attend. I especially appreciated all the past presidents who came to the meeting to celebrate with us, although some had to leave before the Wednesday night reception. I would like to thank the local arrangements committee: Brad Majek and Rich Bonanno for all their help in setting up the posters and providing backup computers and LCD projectors and a photographer. Special thanks go to the 50th Anniversary Committee, chaired by Al Hamill, and the History Committee chaired by Jerry Doll. Their efforts resulted in the excellent posters and memorabilia on the history of our society. Hats off to Dr. Arnold Appleby who wrote a book on the first 50 years of WSSA and a special article for *Weed Science*. In recognition of Dr. Appleby's hard work and time, WSSA donated \$1,000 to the Endowment Fund in his name. I also want to thank the presenters who discussed the history of the different sections. I hope that we will have summaries of these presentations in future newsletters. As usual, Rhonda Green and her staff did an excellent job in managing the meeting. They were able to do the impossible by moving the reception and juggling rooms for all the committee meetings that had to be cancelled on Monday. I want to thank the hotel for being so cooperative and helpful throughout the meeting. For those who want to get extra copies of the history book, the meeting abstract CD and the coffee mugs and meeting bag, these items can be purchased through the WSSA website in the near future.

Congratulations to this year's award winners. The announcement of the award winners is always one of the highlights of the meeting and this year was no exception. Although the announcement was delayed to Wednesday, the packed room is testament to the interest of our members. Information on the award winners can be found in this newsletter. WSSA thanks the industry sponsors for their generous support of the awards. Please take the time to nominate deserving colleagues for these awards in 2007.

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NEEDED: DIGITAL WEED IMAGES

If you enjoy weed photography and want to support WSSA, here is an opportunity to do both. WSSA needs your help in collecting images of weeds for a weed identification compact disc project. Spend a quiet afternoon hiking and taking pictures of weeds. You will be amazed at the number of different weeds that occur in any given area. WSSA needs to collect digital images of over 250 common weeds of North America to complete the project that will contain all (over 1400 species) of the common weeds of North America. We want to complete this project by the end of 2006. See our web page at the "Contribute photos" link on the WSSA Home Page HYPERLINK "<http://www.wssa.net>" www.wssa.net.

If you submit and have approved the images of 10 of the needed species you will earn a 50% discount on the CD. If you submit and have approved images of 20 or more of the needed species, you will receive a **free** copy of the CD. Individuals contributing approved images will have their name attached to the image, and thus will have made a lasting contribution to WSSA. A contribution of images of only one species is significant and we urge you to help.

This project is open to all interested persons. Description of the project, guidelines for taking digital images, and lists of weeds for which we need images are found on the web page. For further information you may also contact Alex Ogg at HYPERLINK "<mailto:ogga@tctwest.net>" ogga@tctwest.net.

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There were many other items of interest from the 2006 meeting. Eleven middle school students from the Abraham House After-School Program in the Bronx presented a poster that described the youths' accomplishments in the Garden Mosaics Weed Watch program. Last year WSSA sponsored the publication of two new pages in this series. This is part of our education outreach and is important to our society. The Endowment Committee under the leadership of Phil Banks continues to make progress to increase funding. This year a change was made to separate the money raised from interest on the Endowment Fund from the main fund itself so that we know how much is available and to maintain a constant amount of funding for undergraduate research awards. There were two special events to raise funds at the meeting. Charles Bryson contributed two of his paintings which were auctioned off at the meeting and Dick Oliver conducted a game at the awards ceremony. The combined efforts raised \$2171 for the Endowment Fund. I urge all members to contribute annually to the Endowment Fund which provides monies for our outreach programs. The Graduate Student Organization had a special breakfast this year for their social event. Approximately 40 students attended the breakfast. A special thank you goes to DowAgro for sponsoring this event. The new graduate student board representative is John Willis from Virginia Tech. The GSO will be providing input to the Web Site committee to make the new web site more valuable to our graduate students.

Please plan to attend the 2007 annual meeting in San Antonio, Texas from February 5 through 8. The meeting will take place at the Hyatt Regency on the Riverwalk, across from the Alamo. Jill Schroeder is already planning for the meeting. Please remember to send her ideas for symposia. The form for this can be found in this newsletter. The local arrangement committee for the 2007 meeting is also exploring the possibility for tours of horticultural and other crops in the area. More about this in the future.

I would like to express my appreciation to Carol Mallory-Smith for her service as President for the past year and also to the Board Members for their time and effort on behalf of the society. Carol faced many challenges last year including hiring a new Director of Science Policy and signing many new contracts for the society. Lee Van Wychen, the new DSP, has been doing a great job and I look forward to working with him in the next year on the many different issues that are important to WSSA.

The Board of Directors is addressing issues important to the functioning of the society. One of these issues is exploring the possibility of creating a new on-line journal on invasive weed management. I have appointed a special ad hoc committee co-chaired by Vanelle Carrithers and Lars Anderson to work with Karen Ridgway of Alliance Communication Group to conduct a market survey on the need and viability of such a journal. The goal of this committee is to have the survey completed by the summer board meeting so we can decide on how to proceed. Another issue is the future direction of WSSA. To address this issue, John Jachetta, Mike Barrett, and Jill Schroeder are organizing a special one day workshop to be held during the summer board meeting to formulate a solid tactical plan to accomplish the objectives of our current strategic plan. Part of this planning has already taken place with the member survey that was conducted at the last meeting. Mike Barrett will compile these results and there will be a report in a future newsletter. A third issue that has recently arisen is the system that we use for title and abstract submission of the annual meeting. Allen Press is no longer going to be providing this service internally. Rhonda Green is currently receiving bids from different companies and societies, including our regional societies, on providing this service. We will be evaluating these bids and will have a new system in place by the time we are ready for submissions for next year's meeting. Finally, as many of you know, WSSA in conjunction with CWSS are sponsoring the 2008 International Weed Congress to be held in Vancouver, BC. We have to do many things to make this a successful meeting. A special ad hoc committee co-chaired by Bob Blackshaw and Carol Mallory-Smith has been appointed and will work with Bernal Valverde and the IWSS to

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WSSA FUTURE MEETING SITES AND DATES

2007

San Antonio, TX

February 5-8

Hyatt Regency on the
Riverwalk

Local Arrangements:

Paul Baumann

(979) 845-4880

p-baumann@tamu.edu

THINK NEWSLETTER

Deadline for July issue
June 1, 2006

WSSA NEWSLETTER

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make sure things get done as needed. The first announcement for this meeting should be released by September, 2006. If anyone has the desire to assist in this endeavor, please contact me.

The Web Site Committee, which is chaired by Jeff Derr and includes regional representatives, has made considerable progress in improving our web site. They have selected two new contractors for developing a new web site. David Krueger will be the new technical web editor and Tom Fermanian will be the new content web editor. WSSA wants to express our greatest appreciation and thanks to David Pike who has been our web editor for many years. David will continue supporting our web site while we build a new one and will help in the transition to the new site, which should take place by the end of 2006. Anyone who has suggestions for the new web site, please contact Jeff Derr.

The President's breakfast was very productive. This year, as last year, the attendees included the regional presidents, vice presidents or president elects and regional board representatives. We discussed the progress of the Web Site Committee and Jeff announced the new web masters. We also discussed the mutual problems we all face with declining membership and the future of each of the regional societies as well as WSSA's future. Our dialog will continue through the year with tele-conferences.

Gerry Stephenson has been our Director of Education for the last two years. Gerry has worked hard to help the Board define the role and future of this position. After careful consideration, with input from the Education Committee, Gerry has decided to resign from this position and recommend that we not refill it until we are sure of the future for this position. This will be a key aspect of our planning this summer. WSSA would like to express our appreciation for all the time and effort and dedication that Gerry has given to the Director of Education and we will continue seeking his input and that of the Education Committee in guiding us on the future role of the Director of Education.

I look forward to acting as your president in the coming year. If you have any concerns or suggestions to make to the Board or to me about WSSA, please contact me or a Board member. We are here to serve you and we need to know what we can do to make our society better and stronger.

Dale Shaner
President

NATO Advanced Study Institute

From September 8 to 19, 2006, the NATO Advanced Study Institute (ASI) entitled "Novel biotechnologies for biocontrol agent enhancement and management" will be held in Gualdo Tadino, Perugia, Italy. A NATO ASI is not intended to be an international conference or symposium, but rather a short course contributing to the dissemination of knowledge and the formation of international scientific contacts. The main objective of this ASI is to offer to students a concentrated overview of the rapidly developing advanced biotechnological knowledge and tools to enhance and manage biological control agents such they will be efficacious in modern agriculture. The intent of this NATO ASI is to permit the meeting of the major exponents in the scientific community working with enhancing different biological control

agents (fungi, bacteria, virus, nematodes, insects) on different targets (pathogens, insects, weeds, rodents). This multi-disciplinary group has backgrounds in the different aspects of biotechnologies (transgenic enhancement, molecular biology, formulation, genetics, risk assessment, new technology, biochemistry, physiology) will present highly advanced lectures during the ten-day ASI, in order to allow students to improve their capability to enhance and manage biological control agents. This approach will allow ASI attendees to bring new ideas, new approaches, or new methodologies coming from different fields of application to their own field of expertise. All the information is available at the official website:

<http://www.ispa.cnr.it/NATO-ASI>

Publish Articles Ahead of Print

We have made strides in reducing the interval from manuscript submission to acceptance for *Weed Science* and *Weed Technology* through online submission, review and acceptance, and the timeliness of volunteer authors, reviewers, and editors. Is there more we could do to speed publication? Many journals have adopted some sort of a pre-publication strategy, which the Publication Board and I would like you to consider.

There are two general scenarios. Some journals publish manuscripts online as soon as possible after they have been accepted for publication, but before the manuscript has been copy-edited, typeset, and the final proof reviewed by authors; other journals publish papers online as soon as possible after acceptance, copy-editing, typesetting, and the final proof reviewed by authors. Publication of the manuscript (first scenario) ahead of print might trim off four to ten weeks for our journals that print issues 4 to 6 times per year. Publication of the papers (second scenario) ahead of print might trim off one to four weeks. Manuscripts pre-publication trims much more time because the manuscript has not been copy-edited, typeset, proofread, or proof approved by author before being posted. Basically, the author's 30 to 50 page manuscript with tables and figures is posted after acceptance by the Editor. After a manuscript is first published online, it continues through the process of being prepared for print publication. In contrast, pre-publication of papers means the copy-editing, typesetting, and proof approval by authors is done before being posted. The advantage of this scenario is a professionally edited and formatted paper, but not much time is trimmed. From my limited experience, society journals use the first scenario and for-profit journal publishers the second scenario.

In either case, each manuscript published online ahead-of-print is

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WSSA Website Update

I wanted to update you on the progress of the WSSA website committee. Our committee has developed a mission statement and identified the need for separate individuals to handle web content and website structure. Towards this objective, the WSSA board has named David Krueger, AgRenaissance Software LLC, as technical webmaster and Thomas Fermanian, University of Illinois, as web editor. We had excellent candidates for these two positions and it was difficult choosing among the applicants. I would like to extend a special thank you to David Pike, who has been maintaining the WSSA website and will be assisting in the development of the new site.

The Northeastern Weed Science Society will be joining with WSSA on website maintenance, utilizing the same technical webmaster and web hosting company. One of the goals of the website committee is to explore cooperation among the regional weed science societies (NCWSS, NEWSS, SWSS, WWS), affiliated organizations (APMS, CWSS), and WSSA on website issues. Please let me know of any other opportunities where we can cooperate.

My committee is composed of the regional and affiliated association webmasters and representatives, along with members of the computer applications committee. The members are: Daniel Reynolds, Tony White, David Petty, Glenn Nice, Hilary Sandler, Daniel Cloutier, Nelroy Jackson, Donn Thill, Ed Luschei, David Jordan, Anne Légère, Roger Becker, Greg MacDonald, and David Pike. I would like to thank my committee members for their continued assistance with this important project.

Our next step will be to redesign the website. Along with this effort, we will develop a set of operating procedures for reviewing and updating the website. The Computer Applications Committee, chaired by Ed Luschei, will be taking a lead role in this effort. Several other individuals have offered their assistance with the redesign of the website, including Lee Van Wychen, David Horvath, and Bob Campbell, and I look forward to their help with this project.

Jeffrey Derr
Chair
Website Committee

PUBLISH AHEAD OF PRINT

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citable, with the official publication date the date of the manuscript's first online posting. The manuscript/papers are assigned Digital Object Identifiers (DOIs), providing a persistent, permanent way to identify manuscripts published in the online environment. DOIs can be Googled.

The advantages of pre-publication are providing readers with the latest research and affording authors a citation almost immediately for promotion and tenure documents, literature cited in subsequent papers, grant proposals, etc. The downside of pre-publication for our journals is the cost to the membership/authors. The set-up would be \$1,200, annual maintenance \$750, and the per manuscript fee \$10. Based on an average of 295 articles per year, the first year cost would be approximately \$4,900 and \$3,700 in subsequent years. Please let me know your thoughts on this possible improvement for our journals, authors, and readers.

Michael Foley
(foleym@fargo.ars.usda.gov)
Director of Publications

NYC Youth Participate in WSSA Annual Meeting

Eleven middle school students from the Abraham House After-School Program in the Bronx presented a poster at the WSSA meetings in NYC. The poster described the youths' accomplishments in the Garden Mosaics Weed Watch program. In collaboration with Dr. Antonio DiTommaso of Cornell University, the Abraham House students and their adult leaders collected data on weed species and weed control practices in the Bronx Cultural and Community Garden, which they submitted to the Garden Mosaics website. Dr. DiTommaso hopes to use the data collected by these and other youth and adults as baseline information to develop an urban weed management program. The Bronx youth also learned about weed biology and ecology from the Garden Mosaics Weed Science Pages, two of which were funded by WSSA.

During summer 2005, youth in California, Massachusetts, Minnesota, New York, and Pennsylvania conducted Weed Watch. They learned about weed species identification, measurement, problems caused by weeds, and means of control. The fact that their data would be used by a Cornell scientist was highly motivating to the youth and their educators. Weed Watch is one of a number of garden science activities that are part of the international Garden Mosaics program, which was developed at Cornell and will become the signature education program of the American Community Gardening Association beginning in July 2006.

A number of scientists interacted with the youth during the meetings, including Gerry Stephenson, Toni DiTommaso, Phil Westra, and Russell Hahn. The students thoroughly en-



joyed showing off what they had learned about weeds and learning from the scientists.

Submitted by Marianne Krasny, Department of Natural Resources, Cornell University, mek2@cornell.edu

Poster available at http://www.gardenmosaics.cornell.edu/pgs/aboutus/Weed_Watch_poster.pdf
Data available at HYPERLINK "<http://www.gardenmosaics.cornell.edu/pgs/data/weedread.aspx?garden=25>"
<http://www.gardenmosaics.cornell.edu/pgs/data/weedread.aspx?garden=25> and
HYPERLINK "<http://www.gardenmosaics.cornell.edu/pgs/data/weedread.aspx?garden=25&form=3>"
<http://www.gardenmosaics.cornell.edu/pgs/data/weedread.aspx?garden=25&form=3>
Science Pages available at <http://www.gardenmosaics.cornell.edu/pgs/science/mainscience.htm>
<http://www.communitygarden.org/>

2006 WSSA AWARDS

Outstanding Teacher

JOHN WILCUT

John W. Wilcut, a native of Missouri, grew up in a small town in central Illinois. He received his B.S. and M.S. degrees in Botany from Eastern Illinois University at Charleston. In 1986 he completed his Ph.D. in Weed Science-Plant Physiology at Auburn University under the direction of Dr. Bryan Truelove and Dr. Donald E. Davis. He then worked as a post-doctoral research associate in the Agronomy and Soils Department for Dr. Glen Wehtje. John was an extension weed specialist at the Tidewater Agricultural Research and Extension Center, VPI&SU from 1987 to 1990. He was with the University of Georgia at the Coastal Plain Experiment Station in Tifton from 1990 to 1994 as an assistant and then associate professor. He joined the faculty in the Crop Science Department at North Carolina State University in 1994 where he currently is a professor with a research/teaching appointment. John has developed a comprehensive research program at NCSU that integrates herbicide/crop physiology, weed biology/ecology, and weed management for development of weed management systems that maintain and improve crop quality and profitability while enhancing environmental quality. He is nationally and internationally recognized for his research on cotton and peanut weed management, ecological interactions, and physiology. John has authored or co-authored over 160 refereed journal articles, 10 bulletins/reports, and >400 abstracts. He has served or is serving as chair/co-chair for 23 graduate students. He currently advises three Ph.D. students. He has also served or is serving on 26 graduate student advisory committees. His students have excelled in student paper, poster, and weed contests. Four M.S. students have won the Outstanding M.S. Graduate Student Award at the SWSS and three other graduate students have received the Outstanding Graduate Student award from the WSSA. Other graduate student awards include the Gerald O. Mott Meritorious Outstanding Graduate Student Award from the Crop Science of America (CSA), the 2002 John Deere Fellowship from the CSA, and the 1st George Washington Carver Graduate Student Award (2002) from the National Peanut Board. He teaches CS414 Weed Science, which is considered among the hardest undergraduate classes in the Crop Science Department, and regularly is one of the highest ranked classes in the department. He has coached or co-coached NCSU graduate teams that have won the NEWSS Graduate Weed Contest the last 5 years and 6 of the past 7 years. Dr. Wilcut has served WSSA on numerous committees, section chair, and reviewer for *Weed Technology* and *Weed Science*, abstract editor, associate editor for *Weed Technology*, and Editor for *Weed Technology* since 2002. He has also served on numerous committees,



chaired and moderated sessions, organized symposia, and judged papers and posters for the SWSS. He is the current Editor for *Peanut Science* for the American Peanut Research and Education Society (APRES). John has received the Outstanding Young Weed Scientist Award from the SWSS and WSSA, Weed Scientist of the Year-2003 from the SWSS, the Dow AgroSciences Award for Excellence in Research from the APRES, The Outstanding Educator Award from the SWSS in 2005, has authored or co-authored three papers (1990, 1994, and 2005) that were selected as papers of the year (Bailey Award) by the APRES, and he is a Fellow of the WSSA. He is most proud of his wife of nearly 31 years, Cathy, and their two children, Jared and Caitlyn. He also feels blessed to have had cancer, and very fortunate to be a cancer survivor of 30 months and counting.

Industry Sponsor: Syngenta Crop Protection

Outstanding Graduate Student Award

TYLER KOSCHNICK

Tyler J. Koschnick graduated with a B.S. degree from Ohio Northern University, with distinction, majoring in environmental studies and biology in 1996. SePRO Corporation, Carmel, Indiana, employed him in 1996 as a Field Development Associate working with aquatic herbicide formulations. He was promoted in 1997 to an Aquatic Specialist and worked predominately in 11 Midwestern states until 1998. He was then transferred to California and worked in the 10 western states and in Brazil on submersed plant management projects. Tyler decided to attend the University of Florida to study aquatic weed science. He became a Graduate Research Assistant in January 2001 and completed his M.Sc. degree in Agronomy in May 2003. The title of his thesis was "Tolerance of Selected Turf and Ornamental Plants to Enothall in Irrigation Water." Upon graduation, Tyler enrolled at the University of Florida to study for a Ph.D. in weed science, and completed his degree in August 2005. The title of his dissertation was "Documentation, Characterization, and Proposed Mechanism of Diquat Resistance in *Landoltia punctata* (G. Meyer) D.H. Les and D.J. Crawford." He has several publications dealing with the use of herbicides for aquatic plant management and remains active in the National, Midwest, and Florida chapters of the Aquatic Plant Management Society. He also held the responsibility of coordinating the University of Florida's Aquatic Weed Control Short Course in 2003, 2004, and 2005. Currently, he is a Visiting Assistant Professor at the University of Florida, Institute for Food and Agricultural Sciences. He continues to research aquatic



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WSSA AWARDS CONTINUED from pg 5

herbicide resistance, plant/herbicide interactions, and use of ALS inhibitors for submersed weed control.

Industry Sponsor: DuPont

Outstanding Early Career Weed Scientist Award

FRANCK DAYAN

Dr. Franck E. Dayan received his Ph.D. from Auburn University in 1995 and joined the USDA-ARS Southern Weed Science Laboratory in Stoneville, MS, as a post-doctoral fellow. He then obtained a research position as a Plant Physiologist at the USDA-ARS Natural Products Utilization Research Unit in Oxford, MS in 1996. His research at the Natural Products Utilization Research Unit focuses on the mode of action of phytotoxins and their biosynthetic pathways in plants. His recent work investigates the biosynthesis of the allelochemical sorgoleone, a lipid benzo-quinone produced by the root hairs of sorghum. This work provides the fundamental information needed to identify the genes involved in order to manipulate the pathway. During his career, Dr. Dayan has been involved in the discovery of the first case of resistance to phytoene desaturase inhibitors (i.e. fluridone) in higher plants, and he has worked on the mode of action of herbicides that inhibit the enzymes protoporphyrinogen oxidase and p-hydroxyphenylpyruvate dioxygenase. He is senior- or co-author of 104 non-abstract scientific publications that include 55 peer-reviewed scientific articles, one US patent granted and one pending, 13 reviews in scientific journals, 28 book chapters and 7 reviews published in international conference proceedings. He has been invited to numerous international conferences to present his work. He received the USDA-ARS Early Career Research Scientist of the Year for MSA and a commendation from the Mississippi Legislature (House Resolution 63) in 2001.



Industry Sponsor: BASF

Outstanding Paper – Weed Science

IRENA RAJCAN

co-authored by

K. J. Chandler and C. J. Swanton

“Red-far-red ratio of reflected light: a hypothesis of why early-season weed control is important in corn.”

Weed Science 52:774–778.

IRENA RAJCAN

Irena Rajcan was born in Bosnia and Herzegovina and immigrated to Canada in 1991. She obtained her B.Sc. in Agriculture from the University of Novi Sad in 1988. She enrolled in the graduate pro-



gram at the University of Guelph in 1992 as a master's student in Crop Physiology, but after two semesters transferred to a Ph.D. program, which she completed in 1997. Her thesis title was “Physiological changes associated with delayed leaf senescence in maize.” During the following few years, she obtained several postdoctoral positions in the following areas: Seed germination and physiology (with Dr. Bryan Harvey, University of Saskatchewan, Saskatoon, Saskatchewan), Weed ecology and whole plant physiology (with Dr. Clarence Swanton, University of Guelph), and Herbicide resistance and whole plant physiology (with Dr. Francois Tardif, University of Guelph). In 2002 she decided to add a bit of spice to her “weedy” life and completed a Diploma in Applied Statistics at the University of Guelph. This proceeded to her second graduate program, this time in Statistics, in which she enrolled in 2002. She completed her M.Sc. in Statistics in 2004 with a thesis titled: “Divergence of gene expression between duplicate genes based on DNA microarrays.” During her graduate studies in statistics, she worked as a statistical consultant for the Ashton Statistical Lab at the University of Guelph. Upon the completion of her M.Sc. degree, she obtained a job as a Senior Research Analyst with Agricorp, a crown agency of the Government of Ontario, where she works in the area of Production (crop) Insurance. She has an established record of refereed scientific articles as well as conference papers. She has won numerous academic awards including Ontario Graduate Scholarship in Science and Technology (2002), Ontario Graduate Scholarship (1994, 1995 and 2003) and Mary Edmunds Williams Scholarship (1994 and 1995). In addition, Irena serves on graduate committees as a Special Graduate Faculty in the Department of Plant Agriculture at the University of Guelph. She is also a member of the Editorial board of *Agricultura* published by the University of Maribor, Slovenia. Irena has been married to her husband Istvan for 17 years with whom she has two daughters, Ana Maria and Lidia.

KEVIN CHANDLER

Kevin Chandler was born in Windsor, England. He graduated in Agriculture from Writtle College, University of Essex in 1977. He immigrated to Canada in 1980 and joined the University of Guelph. Since 1985 Mr. Chandler has been a research assistant with Dr. Clarence Swanton. He has assisted in the development of weed management programs for field and vegetable crops in Ontario. Kevin has assisted in the supervision of many graduate students and co-authored many journal articles. He has been married to his wife Alice for 26 years and they have three children.



C. J. SWANTON

Dr. Clarence Swanton obtained his B.Sc. in Botany from the University of Toronto in 1975, his M.Sc. in Agrometer-

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WSSA AWARDS CONTINUED from pg 6

ology from the University of Guelph in 1977 and a Ph.D. in Plant Ecology from the University of Western Ontario under the supervision of Dr. Paul Cavers in 1986. Between his M.Sc. and Ph.D. he was employed as a research assistant for the Campbell Soup Company and later as a weed biologist by the Ontario Ministry of Agriculture and Food. In 1985 he joined the Department of Crop Science at the University of Guelph as an Assistant Professor of Weed Science. He was promoted to Professor in 1996. From 1998 to 2004, Clarence served as the first Chair of the Department of Plant Agriculture. He has published 144 papers, three book chapters and co-authored *Weed Ecology in Natural and Agricultural Systems*. He has supervised 10 Ph.D. and 33 M.Sc. students. In 2005 he was elected to the position of Second Vice President of the Canadian Weed Science Society. He has won numerous awards for his research, including Outstanding Weed Science Paper Award (1994), Ontario Agricultural College Distinguished Researcher Award, was honored as the Staniforth Lecturer in Weed Science at Iowa State University, received the University of Guelph Presidential Distinguished Professor Award, the Excellence in Weed Science Award for Canada, and the Weed Science Society of America's Outstanding Researcher Award. Dr. Swanton has contributed internationally as a teacher, consultant and as associate editor of several journals including *Weed Science*, *Weed Technology* and *Weed Research*. In 2002, he was elected a Fellow of the Canadian Society of Agronomy. In 2005, he received the Weed Science Society of America Fellow Award. His research is focussed on the development of integrated weed management systems for field and horticultural crops. Clarence has been married to his wife Josee for 20 years. They have three daughters, Ana, Stephanie and Lesley-Anne.



Industry Sponsor: BASF

Outstanding Paper – *Weed Technology*

A. S. SCIUMBATO

co-authored by

J. M. Chandler, S. A. Senseman,
and K. L. Smith

**“Determining exposure to auxin-like herbicides. II.
Practical application to quantify volatility.”**
Weed Technology 18:1135–1142.

AUDIE SCIUMBATO

Audie Sciumbato was born in Hereford, Texas on July 31, 1973. Audie grew up on the family farm near Summerfield, Texas, and became interested in production agriculture at a young age. He graduated from Hereford High School in 1991 and



began his collegiate studies at Angelo State University in San Angelo, Texas. Two years later, in 1993, he transferred to West Texas A&M University in Canyon, Texas. In 1995, while attending WT, Audie began working in weed science under Dr. Salisbury and Dr. Bean at the Texas Agricultural Experiment Station in Bushland. He completed his B.S. degree in plant science–agronomy in 1996. He then began work on his M.S. degree in weed science under the direction of Dr. Chandler at Texas A&M University in College Station, Texas. Audie completed his M.S. in 1999. He was then employed at Texas A&M University as a research associate while he worked on his Ph.D. degree in weed science under Dr. Senseman and served as manager of the Pesticide Fate Research Laboratory (PFRL). He received the Ph.D. degree in 2004. Audie is currently in his second year of law school at St. Mary's University School of Law in San Antonio, Texas.

J. M. CHANDLER

Mike Chandler is a Professor in the Department of Soil and Crop Sciences at Texas A&M University, with teaching and research responsibilities in weed science. He obtained his B.S. degree from West Texas State University, and his M.S. and Ph.D. degrees from Oklahoma State University. Dr. Chandler advises graduate students and teaches Chemical Weed Control and Weed Biology and Ecology courses. His research in cotton, corn, and rice focuses on the ontogeny of selected weed species, crop-weed interference, evaluation of crop-herbicide rotations in conventional and conservation tillage systems, and development of new herbicides for economical control programs. He has authored or co-authored over 80 journal articles and has supervised 28 M.S. and Ph.D. students. He has served as president in both the SWSS and WSSA. He co-authored the 2003 Outstanding Paper in *Weed Science*. Dr. Chandler has received the SWSS Distinguished Science Award and is a Fellow in WSSA.



S. A. SENSEMAN

Scott Senseman graduated from Wilmington College of Ohio in 1986 with a B.S. in agricultural business. He attended the University of Arkansas where he completed his M.S. in agronomy–weed science in 1990 and his Ph.D. in agronomy–pesticide residue in 1994. He is currently a Professor at Texas A&M University in the Department of Soil and Crop Sciences where he has been employed since 1994. Dr. Senseman's research program has concentrated on several aspects of herbicide chemistry including the effectiveness of grass buffer strips on removal of herbicides from runoff water, herbicide dissipation and carryover, absorption and translocation of new herbicide combinations, effect of herbicides on soil microbial activity, and extraction method development for soil and water using solid-phases. He has



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WSSA AWARDS CONTINUED from pg 7

authored or co-authored 61 peer-review journal articles, 134 abstracts of poster and oral presentations, four technical reports, and two magazine articles. Dr. Senseman has helped develop and teach an undergraduate course related to the evolution, role, and fate of agricultural chemicals in row crop production as well as a graduate course related to environmental fate of herbicides and their mode of action. He has served as advisor to the Texas A&M University Agronomy Club from 1997 to 2001 and is currently advising the Soil and Crop Science Graduate Student Association. Dr. Senseman has served as major advisor or co-advisor for 14 graduate students and has served on 47 other graduate student committees during his tenure at Texas A&M.

R. W. BOVEY

Rodney Bovey is an adjunct Professor in the Rangeland Ecology and Management Department at Texas A&M University, College Station, Texas. He received a B.S. and M.S. in Agricultural Education and Agronomy, respectively, at the University of Idaho, and the Ph.D. in Agronomy at the University of Nebraska, Lincoln. He worked for the USDA-ARS at College Station, Texas until his retirement in 1994 after 30 years of service. He worked in weed and brush control research and was a Research Leader of that group. In addition to his research activities he has served on over 50 graduate student committees. Dr. Bovey has authored or co-authored over 150 journal articles and about 150 additional book chapters and other publications. He has written two reference books on the phenoxy herbicides and woody plant management. Dr. Bovey is a Fellow in the Weed Science Society of America.



K. L. SMITH

Ken Smith is Professor of Weed Science and Extension Weed Specialist in the University of Arkansas Division of Agriculture Crop, Soil and Environmental Sciences Department, located on the University of Arkansas-Monticello campus in Monticello, Arkansas. He obtained his B.S. from Stephen F. Austin State University, his M.S. from Sam Houston State University, and his Ph.D. from Oklahoma State University. He has served as an Assistant Professor of Agriculture at Texarkana Community College where he taught plant science classes, an Extension Forage Specialist with the University of Arkansas and Texas A&M University and as a Product Development Representative for Velsicol Chemical Company, Sandoz Crop Protection Cooperation, and BASF prior to his current position appointment. Dr. Smith conducts applied research and farmer educational programs throughout the state and advises graduate students. He has published in excess of 65 papers in scientific journals and proceedings over the past five years. Additionally, Dr. Smith has helped county



agents throughout the state conduct over 75 weed control educational programs for over 2000 farmers. He co-authored "MP-44 Recommended Chemicals for Weed and Brush Control" with over 12,000 copies utilized each year by farmers, industry representatives, consultants and other university personnel. He provides leadership to the glyphosate resistant horseweed management educational program. This program has been extremely successful with more than a 90% adoption rate by farmers in the area of the state where this program has been implemented and has been highlighted in an Extension Faculty Conference. Dr. Smith is nationally recognized and has served in leadership positions in scientific societies such as American Forage and Grassland Council, SWSS, and WSSA.

Industry Sponsor: BASF

Outstanding Reviewers Awards

CHRISTOPHER MAIN

Christopher L. Main was born April 10, 1976, in Hillsboro, OH. He is the son of Mr. and Mrs. Gary Main. He attended Hillsboro High School and graduated in June of 1994. He entered the University of Tennessee in August of 1994 and received a B.Sc. in Agriculture, majoring in plant and soil science. Upon graduation, he accepted the position of Graduate Research Assistant in the graduate program at the University of Florida in May 1999 under the supervision of Dr. J. Tredaway Ducar. He graduated in May 2001 with a M.Sc. in Agronomy. Following completion of his Master's degree he accepted the position of Research Associate for Dr. Tom Mueller at the University of Tennessee, while pursuing a Ph.D. in plants, soils, and insects. Chris has authored or co-authored 13 refereed journal articles, numerous abstracts, and several extension publications. He was selected as Outstanding Graduate Student by the Florida Weed Science Society (2001), awarded 1st place recognition in the Student paper presentation contest at the Southern Weed Science Society annual meeting (2001), and selected as Outstanding Ph.D. student by the Tennessee Agricultural Production Association (2004). Chris is currently employed as state-wide extension weed management specialist for agronomic crops by Clemson University.



JASON FERRELL

Jason Ferrell received his B.S. and M.S. in Plant and Soil Sciences at the University of Kentucky in 1998 and 2000, respectively. He received his Ph.D. degree in Crop Science in 2003 from the University of Georgia. Dr. Ferrell has been at the University of Florida as an Extension Specialist (65% extension, 35% research) since February 2004. Dr. Ferrell has authored or co-authored 20 refereed journal articles and over 70 extension publications. His research program



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emphasizes field aspects of weed science covering weed biology and management in agronomic crops, forages, and highway rights-of-ways. Dr. Ferrell is active in professional societies, including the Southern Weed Science Society and the Weed Science Society of America, among others.

Sponsor: WSSA

Outstanding Research Award ROBERT BLACKSHAW

Bob Blackshaw grew up on a grain and livestock farm in Manitoba, Canada. He received his B.Sc. from Brandon University, M.Sc. from University of Manitoba, and Ph.D. from University of Guelph. He worked for four years in industry; with the Alberta Wheat Pool and DuPont Canada. In 1986, Dr. Blackshaw accepted his current position as a Weed Scientist with Agriculture and Agri-Food Canada at Lethbridge, Alberta. Additionally, he is an Adjunct Professor at the University of Lethbridge. Bob's research deals with integrated weed management in prairie field crops and overall development of more sustainable agricultural systems. He has spent considerable effort on weed control in conservation tillage systems and development of more diversified and economical cropping systems. His expertise has been utilized by the Canadian International Development Agency in developing sustainable dryland cropping systems in China and by FAO in setting appropriate environmental monitoring criteria for GM crops in developing nations. Dr. Blackshaw's research has resulted in approximately 130 peer-reviewed journal articles, 12 book chapter/review articles, 170 conference proceedings, 14 major extension bulletins, and 130 articles in the farm media. He has co-edited one book on integrated weed management and is currently co-editor of a new book on the topic of non-chemical weed management. Bob has been an active member of several scientific societies. He was Secretary and subsequently Chairman of the Expert Committee on Weeds (Canada). With WSSA, Bob has served on the Awards and Research Priorities committees and was a member of the Board of Directors. He previously served as an Associate Editor and is currently the Editor of *Weed Science*. Bob presented a successful bid sponsored by WSSA and CWSS to host the 2008 IWSC in Vancouver, Canada and he will be actively involved in local arrangements of that upcoming international congress. Bob's contributions have previously been recognized by being awarded the Outstanding Young Weed Scientist of WSSA in 1995, the Excellence in Weed Science Award of the Expert Committee on Weeds in 1999, the Outstanding Paper in *Weed Technology* in 2000, and being made a WSSA Fellow in 2002.



Industry Sponsor: Dow AgroSciences

Outstanding Extension Award

ROBERT WILSON

Robert Wilson received his B.S. and M.S. degrees from the University of Nebraska and Ph.D. degree from Washington State University in 1975. Since his graduation, Dr. Wilson has been employed by the University of Nebraska at the Panhandle Research and Extension Center. His appointment in the Department of Agronomy and Horticulture involves a 50% research and 50% extension split. Dr. Wilson has responsibility for developing integrated weed control systems in irrigated crops and rangelands in western Nebraska. Robert was instrumental in developing the Award Winning "Sugarbeet Production Guide." He is also the author of several chapters in the "Dry Bean Production Guide" with the assistance of scientists from Nebraska, Colorado, and Wyoming. He is a team member with colleagues from the University of Nebraska in authoring the Guide for Weed Management in Nebraska and support for WeedSOFT. Bob has authored or co-authored over 100 refereed journal articles and has been invited to make numerous presentations at national and international conferences in Europe and Japan. Over his career he has acquired over \$3.5 million in funds to support project programs. Dr. Wilson has also been involved in the WSSA, NCWSS, WSWs, and the American Society of Sugarbeet Technologists as chairman, member of numerous committees and presenter at society meetings. The highlights of Dr. Wilson's career have been his work with Western Sugar Company, Nestle Corporation, Florimond Desprez and US Chicory to develop a chicory growing and processing industry in Nebraska. Bob has also collaborated with scientists from Colorado, Wyoming, and Kansas in establishing long-term collaborative research on Roundup Ready cropping systems in order to monitor weed shifts and the potential development of glyphosate resistant weeds.



Industry Sponsor: Dow AgroSciences

Outstanding Industry Award

JOHN JACHETTA

John Jachetta received his B.S. degree in Plant Science and M.S. degree in Plant Physiology from the University of California at Davis. Dr. Jachetta obtained the Ph.D. degree in Crop Science from Oregon State University with minor fields of study in Botany and Soil Physics. Dr. Jachetta started his career with Union Carbide Agricultural Products Company in 1983 as a Plant Growth Regulator Discovery Scientist. From 1985 through 1987, he held faculty positions at Cornell University as a Visiting Scientist in the Department of Biochemistry, Molecular & Cell Biology and at the Cell Biophysics Research Center. In 1987, Dr. Jachetta joined Dow Chemical Agricultural Pro-



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ducts Company as a Project Leader in Discovery Research. Dr. Jachetta moved into DowElanco's U.S. Regulatory, Toxicology and Environmental Chemistry Group in 1994, where he served in the roles of State Regulatory Affairs Manager, Federal Regulatory Leader and now, in Dow AgroSciences LLC, as a Global Regulatory Leader. Dr. Jachetta initiated and currently administers the WSSA Undergraduate Research Award; this grant has funded unique research projects for 77 undergraduate students since 1992. Dr. Jachetta has also served as an instructor at the UC Davis Weed Science School since its initiation in 1997, and at the Purdue Herbicide Action Course since 2000, teaching classes in herbicide mode-of-action and the US state and federal regulatory process. Further, Dr. Jachetta, in cooperation with the WSSA Publication Board, developed the WSSA special publication entitled "Assessing the Economic, Environmental and Societal Losses from Invasive Plants on Rangeland and Wild Lands," a comprehensive literature review documenting the impacts of key invasive plants on rangeland and wildlands in the United States. Dr. Jachetta was also the founding member, and Steering Committee Chairman, of the FIFRA Endangered Species Task Force, served as Chairman of the Western Crop Protection Association Water Quality Task Force, and Chairman of the Spray Drift Task Force Regulatory Committee. John is currently Chairman of the CropLife America NAFTA Industry Working Group and represents the US Industry to the NAFTA Technical Working Group on Pesticides. Dr. Jachetta is a current member of the WSSA Board of Directors.

Sponsor: WSSA

Honorary Member ROBINSON A. PITELLI

Robinson A. Pitelli was born in Taiúva, São Paulo, Brazil in 1950. He obtained his undergraduate degree in Agronomy from the University of State of São Paulo (UNESP), Jaboticabal in 1971 and his M.Sc. (1980) and Ph.D. (1982) degrees from the São Paulo State University, Piracicaba. He was hired as Assistant Professor in UNESP in 1972 and rose to the rank of Tenure Professor in 1994. Dr. Pitelli served twice as the Chairman of the Biology Department of his University. He has also served as the Chairman of the Graduate Program in Agriculture, President of the ALAM, President of the Brazilian Weed Science Society, and as a Member of the Brazilian Biosafety Committee. He taught and conducted research in Plant Ecology, Weed Ecology, and Management and Biological Control of Weeds until his retirement in 2004. He has advised and graduated 124 undergraduate, 16 M.Sc. and 14 Ph.D. students. He has published 114 research papers in refereed journals and has given invited talks in several countries of the Americas, Europe and Africa. Until 1990, Dr. Pitelli's



research program was devoted to weed competition and weed community dynamics. After a sabbatical at the University of Florida, Gainesville, he started a program on the biological control of weeds. In 1998, in response to societal demand, he started a program on environmental impact of weed control practices, mainly of those involving genetically modified crops. In 2004, Dr. Pitelli started a private company for consultancy work on weed management issues, primarily of the aquatic environments. Since his retirement from UNESP, Dr. Pitelli has continued to give classes on Weed Ecology as a voluntary professor and to raise grant funds for research on Weed Dynamics in Agricultural Systems, with emphasis on no-till and transgenic crops. He is currently guiding four undergraduate and six graduate students towards their degrees. Dr. Pitelli has received several honors, including Professor of the Year (2000) in São Paulo State, Outstanding Professor of UNESP 1975 and 1980, and Member Emeritus of the Brazilian Weed Science Society. He has been a member of the WSSA and the IWSS since 1992. He was one of the organizers and local hosts of the 3rd International Weed Science Congress held in 2000 at Iguassu Falls, Brazil.

Sponsor: WSSA

WSSA Fellow Awards MIKE FOLEY

Michael E. Foley is a Research Plant Physiologist and Leader of the USDA-Agricultural Research Service Plant Science Research Unit in Fargo, ND. Mike was born and raised on a small crop and livestock farm in southern Minnesota. He received his B.S. degree from the University of Minnesota and his M.S. and Ph.D. from the University of Illinois under the direction of Dr. Loyd Wax. Post-doctoral research in molecular biology was conducted with Dr. Len Beavers at the University of Oklahoma. Dr. Foley spent 14 years of his career at Montana State University and Purdue University, teaching Advanced Weed Science and Introduction to Botany lecture and lab courses, advising graduate and undergraduate students, and conducting research on weed biology and herbicide action. He joined USDA-ARS in 1998 as Research Leader to focus on fundamental aspects of dormancy in weedy plants using molecular, genetic, and genomics approaches. He leads genomic research to determine mechanisms for bud dormancy in leafy spurge and the population genetic structure of Canada thistle. His personal research focuses on seed dormancy in wild oat. Dr. Foley and his colleagues at North Dakota State University are also developing weedy rice as a system to map-base clone seed dormancy genes from grasses. His research has resulted in 60 journal and book chapter publications, numerous invitations to lecture on seed dormancy at national and international meetings, and many funded research awards for USDA-NRI and NSF. Dr. Foley has served WSSA in many capacities including as a member of several award committees, symposium organizer, Associate Editor for *Weed*



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Science, Director of Publications, and member of the Board of Directors. Michael and Wanda Foley have been married for 20 years and reside in Moorhead, MN with their two children.

JAMES KELLS

James J. Kells is Professor and Acting Chair of the Department of Crop and Soil Sciences at Michigan State University. He received his B.S. degree in Crop and Soil Sciences from Michigan State University in 1977 and his M.S. degree in Agronomy from the University of Kentucky in 1978. He received his Ph.D. in Crop and Soil Sciences/Weed Science from Michigan State University in 1982. Dr. Kells joined the faculty at Michigan State University in 1982. His appointment and activities span across teaching, extension, and research in weed science. He has taught an undergraduate weed science course annually for 22 years. Dr. Kells' research and extension program focuses on integrated weed management, biology and ecology of perennial weeds, and weed interference. His program emphasizes weed management in corn, forage crops, and small grains. He has authored or co-authored over 75 refereed journal articles along with numerous extension publications. He has served as major professor for 28 graduate students. Dr. Kells has served as Secretary/Treasurer and President of the North Central Weed Science Society. He recently completed a term on the WSSA Board of Directors as a Member at Large and currently serves as the WSSA representative to the CAST Board of Directors. Dr. Kells received the Ciba Geigy Award from the American Society of Agronomy in 1989. In 2000, he was named a Fellow of the North Central Weed Science Society.



RODNEY LYM

Dr. Rod Lym is Professor of Weed Science in the Plant Sciences Department and the Interim Chair in the Soil Science Department at North Dakota State University. He received his B.S. and Ph.D. degrees from the University of Wyoming. His principal responsibilities for research are control of invasive weeds, especially leafy spurge and Canada thistle. His program has emphasized integration of herbicide treatments with other control methods including tillage and reseeding, biological control with insects, and incorporation with grazing animals such as sheep and goats. Dr. Lym arrived at North Dakota State University in October of 1979 as a post-doc to work in the newly established integrated leafy spurge control program directed by Dr. Calvin Messersmith. Their first projects together were to evaluate a variety of herbicides to manage leafy spurge. Dr. Lym's program has since moved from strictly herbicide control methods to a truly integrated approach initially for leafy spurge and now for purple loosestrife, yellow toadflax, and Canada thistle. The leafy



spurge program, which includes researchers from a variety of federal, state, and local agencies throughout the West, is considered one of the most successful invasive weed control efforts in the country. Prior to this program, leafy spurge was doubling in acreage in North Dakota every decade, but now the spread has been slowed to a near stop; 12 counties now report less acreage of the weed than 10 years ago. Dr. Lym is a Past President of the Western Society of Weed Science and was elected as Fellow in that organization in March 2000. He also serves on the CAST board of directors representing WSWS. Dr. Lym has been recognized by the Society of Range Management with their Outstanding Achievement Award for his work with invasive weed control in western rangelands. Rod is an instructor for the Western Society of Weed Science Noxious Weed Short-course which is held annually to train federal and state land managers to control invasive species and to date has graduated over 650 students from across the West. He was named the Communicator of the Year in 2004 by the NDSU Agriculture Communication Dept. and the North Dakota Association for Communication Excellence, the first non-extension winner.

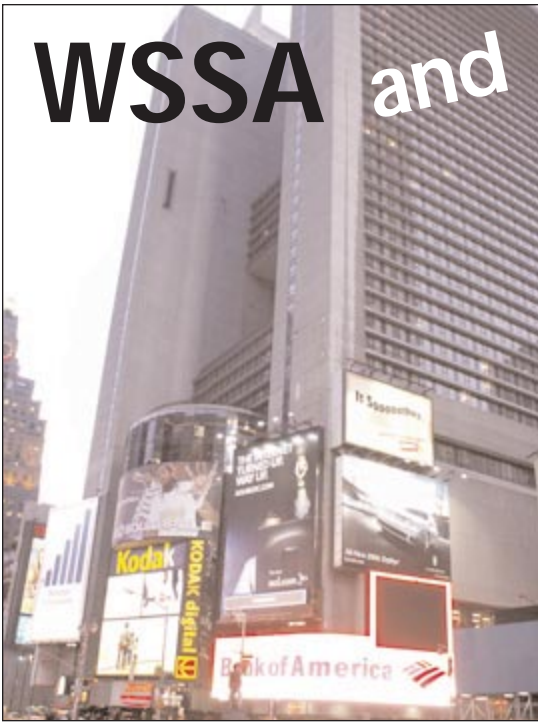
ALAN YORK

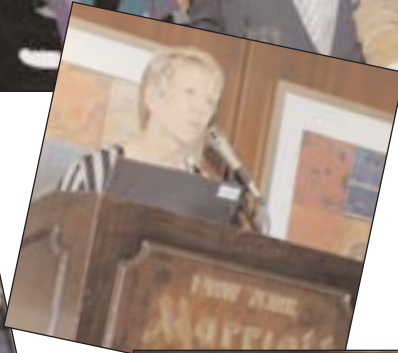
Dr. Alan York received his Ph.D. from the University of Illinois under the direction of Fred Slife. He joined the faculty of the Crop Science Department at North Carolina State University in 1979, where he is currently a William Neal Reynolds Distinguished Professor. Dr. York's primary responsibility is leadership of a state-wide educational effort on weed management in cotton, corn, soybeans, and small grains. He is one of the most widely known and consulted specialists within the North Carolina system because of his expertise, candid advice, and accessibility. In addition to extension activities, Dr. York maintains an active applied research program focusing on developing economical management systems in conventional and transgenic crops, programs for problem weeds and conservation tillage, rotational crop responses, pesticide interactions, and agronomic practices impacting weed management. He taught weed management in North Carolina State's Agricultural Institute for 14 years, and he has chaired the graduate advisory committees for 24 students. Dr. York is the author or co-author of 85 journal publications, five book chapters, over 200 published abstracts, and over 250 extension publications. Dr. York has served as associate editor for *Weed Technology*, *Peanut Science*, and *Journal of Cotton Science*. He has served in all the offices of the Weed Science Society of North Carolina and on the CAST Board of Directors. He is currently Secretary-Treasurer of the SWSS and has served on numerous SWSS committees. He also chairs North Carolina's Pesticide Advisory Committee, providing technical input to the Pesticide Board which has regulatory authority over pesticide sale and use within the state. Dr. York is the recipient of a number of awards, including the WSSA's Outstanding Extension Award, the SWSS's Outstanding Young Weed Scientist Award and the Distinguished Service Award, and the Cotton Foundation's Extension Education Award.



WSSA and

The Big Apple





WASHINGTON REPORT

by Lee Van Wychen, Director of Science Policy

Since my last report in December, I have logged in over 8000 miles and spent over 10 solid days in board meetings at the regional and national weed science meetings. It has been an immense pleasure getting to rekindle old relationships and establish new ones in each of the weed science societies. The weed science societies have much to be proud of both individually and collectively. There are also opportunities and challenges for each of the societies.

WEED SCIENCE RESEARCH FUNDING

The President released his FY2007 federal budget on February 6, 2006. The proposed budget for USDA has several significant changes that could impact weed science and will depend on the actions Congress takes during this year's appropriation cycle. The FY2007 USDA Cooperative State Research, Education, and Extension Service (CSREES) budget for the National Research Initiative (NRI) competitive grants program is \$247 million, a \$66 million increase over FY2006. Of this \$66 million increase, \$42.3 million is from Section 406 activities that will be transferred dollar for dollar and Program Leader for Program Leader to the NRI. Section 406 Programs include the Regional Pest Management Centers, Crops at Risk from the Food Quality Protection Act (FQPA) Implementation; FQPA Risk Mitigation Program for Major Food Crop Systems; and the Methyl Bromide Transition Program.

The USDA CSREES budget for NRI includes: 1) increasing the amount of the grant that may be used for competitive integrated activities from 22 to 30 percent; 2) eliminating the cap on indirect costs for competitively awarded grants; and 3) an increase of \$3 million for the Biology of Weedy and Invasive Species grant program.

A new USDA program for invasive species is proposed that includes \$10 million for competitive grants to pri-

vate groups for eradication and control of invasive species through the use of new and innovative methodologies. Unfortunately though, no FY2007 funds were allocated for the 2004 Noxious Weed Control and Eradication Act.

HATCH ACT AND MCINTIRE-STENNIS ACT PROPOSED CHANGES

USDA CSREES FY2007 budget proposes an alternative approach to the ag formula funds that would redirect a portion of the Hatch Act and the McIntire-Stennis programs to nationally, competitively awarded multi-state/-institution projects. This is a critical distinction from the FY2006 budget proposal, which proposed a 50% cut in formula funds. The FY2007 budget maintains nearly level funding for the Hatch and McIntire-Stennis Acts sustaining a substantial state formula base for the programs while emphasizing multi-institutional efforts to address issues of mutual importance to states and the nation.

The **Hatch Act** formula provides for each state to receive what it received in 1955 as a base amount. Sums appropriated in excess of the 1955 level are distributed as follows: 20% is allotted equally to each state; 52% is allocated on the basis of a state's share of U.S. rural and farm population; a maximum of 25% is allocated to multi-state/-institution research projects; and 3% is reserved for administration. The FY2007 USDA CSREES proposal would increase the Hatch Act multi-state/-institution share to about 55%, phased in over a four-year period as current multi-state projects are completed. The remaining funds would be allocated on the state formula base, phasing down over time to about 45% of the appropriation.

The **McIntire-Stennis Act of 1962** makes funding available to the state agricultural experiment stations and to forestry schools and programs at

the land grant colleges of agriculture for forestry research. McIntire-Stennis funds are distributed by a formula that allocates \$10,000 to each state, with 40% of the remainder being distributed according to a state's share of the nation's total commercial forest land, 40% according to the value of its timber cut annually, and 20% according to its state appropriation for forestry research. In the case of the McIntire-Stennis program for FY2007, in which there is no current multi-state/-institution program, there would be no phase-in period. However, slightly more than 40% of the appropriation would continue to be allocated on the basis of the state formula base.

The WSSA is not in favor of the reallocation of formula funds within Hatch and McIntire-Stennis Acts. The WSSA has always been a strong supporter of USDA formula funds given the amount of applied extension work that is done by our members. On the other hand, there has been a slow but constant push towards more competitive funding, the argument being that it results in more accountability and better research. In the academic food chain, the higher up someone is in administration, the more likely there is the push for competitive funding. If a university gets \$4 million in formula funds, they have to match it at the state level. If they get \$4 million in competitive funds, they get to keep half or more. However, the WSSA believes that the more applied a scientist (including those in Extension), the more the need for formula funding. The WSSA will remain determined and vigilant as the President's FY2007 budget moves through Congress.

NEW USDA UNDER SECRETARY FOR RESEARCH, EDUCATION, AND ECONOMICS

Gale A. Buchanan has been nominated by President Bush to serve as USDA

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Under Secretary for Research, Education and Economics. His Senate confirmation hearing is expected some time before May 2006. Dr. Buchanan is dean and director emeritus at the College of Agricultural and Environmental Sciences at the University of Georgia. Earlier in his career, he served as associate director for the Georgia Agricultural Experiment Station, resident director of the Coastal Plain Experiment Station, and president of the Southern Weed Science Society. Dr. Buchanan served as a colonel in the Alabama Army National Guard for over 25 years. He received his bachelor's and master's degrees from the University of Florida and his Ph.D. from Iowa State University. The WSSA applauds Dr. Buchanan's nomination and looks forward to working with him upon his Senate confirmation.

THE WSSA AND EPA

The WSSA and the EPA have been working to increase their interaction on a number of weed science issues. This can be a very symbiotic relationship for both the WSSA and EPA. Many thanks go out to WSSA members John Jachetta and Don Stubbs for their work in initiating this endeavor. Four main themes that have emerged from our meetings together are: 1) Capitalize on EPA's need for rangeland and rights-of-way management information by inviting WSSA members with expertise in these areas to come to DC to present seminars on these topics; 2) Develop a program for EPA field visits to a host member's institutions; 3) Develop WSSA expert panels on herbicide families for re-registration; and 4) Develop an EPA Fellowship where WSSA members could work on EPA's Staff for at least 6 months at a time.

The WSSA would like to thank Dr. George Beck, Colorado State, for taking time during the 7th National Invasive Weeds Awareness Week to organize and present a seminar at EPA on March 2, 2006 titled "Invasive Weeds: Thieves that Require an Ecologically-based Battle Plan." Nearly 30 EPA staff attended this hour-long

seminar that addressed a variety of rangeland weed management issues such as spray-drift buffers and endangered species.

THE 2007 FARM BILL

The Coalition for Funding Agricultural Research Missions (CoFARM) submitted comments to USDA Secretary Johanns in December which included: 1) Reauthorizing the National Research Initiative (NRI) at \$500 million a year; 2) Eliminating USDA's NRI indirect cost ceiling; 3) Maintaining a maximum 5-year duration for competitive grants; 4) Reauthorizing the Initiative for Future Agriculture & Food Systems (IFAFS) at \$200 million; and 5) Provide the Secretary of Agriculture with the ability to apply up to 30 percent of funding to conduct integrated research, education and extension within the NRI. The term "integrated" within USDA means that a project has to contain a "research, education, and extension" component.

World Trade Organization (WTO) issues will continue to impact the Farm Bill commodity support programs. A question that is being asked in Washington, DC is: If Farm Bill commodity support programs are reduced, can non-trade distorting (Green Box) programs such as agricultural research step up to help provide America's farmers and ranchers with the tools necessary to ensure their success and profitability. Weed science research, education, and extension needs a unified voice and effort to promote our benefits.

FEDERAL GOVERNMENT JOB SERIES FOR WEED SCIENCE

The Office of Personnel Management (OPM), the federal government's human resources agency, has been slow to respond to the WSSA's request for implementing a Federal Job series for weed science. The WSSA would like to thank the considerable effort from Rob Hedberg, Hilda Diaz-Soltero, Ernest Delfosse, and Doug Holy who helped draft a complete weed science job series outline. OPM staff familiar with the proposal have moved on to other jobs, thus, it will take a new effort by the

WSSA and OPM to successfully implement this job series.

NIWAW 7 A HUGE SUCCESS

We have just completed another successful National Invasive Weed Awareness Week. Over 175 people from nearly 40 states and one Canadian province traveled to Washington, DC to increase the national awareness of invasive weeds and weed science in general. The National and Regional Weed Science Societies need to continue to support and build upon this important effort for our discipline. NIWAW 7 participants visited about 100 Congressional offices during the week where they educated Congressional members and staff on two official NIWAW positions:

- 1) Working to secure \$15 million in funding for the 2004 Noxious Weed Control and Eradication Act; and
- 2) Working to secure passage of the National Aquatic Invasive Species Act.

The WSSA wishes to thank Dr. Nelroy Jackson for his tireless work as chairman of the Invasive Weed Awareness Coalition, which organized and conducted NIWAW 7. Other main events during NIWAW 7 included Kid's Fun Day at the U.S. Botanic Gardens which was attended by over 800 people, briefings by the USDA, Dept. of Interior, EPA, U.S. Army Corps of Engineers, and National Invasive Species Council (NISC), and numerous other board meetings for non-governmental organizations concerned with the management of noxious and invasive weeds.

WSSA SUBMITS COMMENTS TO BLM EIS

In January and February, many weed scientists and weed science societies, along with the WSSA, submitted comments to the Bureau of Land Management (BLM) regarding their Draft Environmental Impact Statement (EIS) that addresses vegetation treatment on BLM lands. There was an organized effort by certain groups to submit a disproportionate share of comments on the EIS that would prevent the use of herbicides on BLM lands in the future. The WSSA sup-

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ports the use of all weed management tools, whether chemical, cultural, or biological.

WSSA ENDORSES BIOLOGICAL SCIENCE FUNDING FOR NSF

On February 28, 2006, 42 scientific organizations endorsed a letter to Congressman Bart Gordon, Ranking Minority Member on the House Science Committee, that stressed the importance of funding for the biological and social sciences within the National Science Foundation (NSF). The following letter was submitted:

The basic science community is extremely appreciative and supportive of your recent legislative initiatives to put the United States back on track with its dual competitiveness and innovativeness engines, basic research and technology. Your commitment to basic science is critically important to all Americans, and the 42 organizations that have signed onto this letter are already working to support your efforts.

We write now to express two things. First, we commend the goals of H.R. 4434, 4435, and 4596 and assure you that we will be working among our respective constituencies to promote initiatives that bolster the federal science and technology research enterprise. Second, we want to formally convey the extremely important sentiment that efforts to boost the national investment in our future competitiveness and innovation capabilities rely inclusively on all basic sciences and technologies. Just as it proves impossible to predict the potential of today's basic research findings, it is equally difficult to predict the synergies between seemingly disparate sciences and methodologies. It is key, therefore, that your efforts not be misconstrued as primarily a push for the "physical sciences," to the exclusion of other sciences providing critical scientific advances through NSF support. The division of sciences into disciplines is an arbitrary human invention that nature routinely ignores. In fact, as NSF Director Arden Bement publicly stated upon the release of the proposed FY 2007 NSF budget, there is a growing synergy among the biological,

physical, and social sciences. The U.S. investment in science should likewise increasingly reflect such an inclusive organization.

The term "physical sciences" is not currently defined in H.R. 4596, and it is not used consistently in that the more inclusive "sciences" is sometimes used in its stead. We urge you to strongly consider the sentiment expressed in the Gathering Storm report, the impetus for your legislation: "... This special attention does not mean that there should be a disinvestment in such important fields as the life sciences or the social sciences. A balanced research portfolio in all fields of science and engineering research is critical to U.S. prosperity. Increasingly, the most significant new scientific and engineering advances are formed to cut across several disciplines."

Sincerely,

American Educational Research Association, American Institute of Biological Sciences, Americana Phytopathological Society, American Psychological Association, American Society for Microbiology, American Society of Agronomy, American Society of Plant Biologists,

American Sociological Association, Association for Applied Psychophysiology and Biofeedback Association for Behavior Analysis, Association for Psychological Science, Association of American Geographers, Association of Population Centers, Behavior Genetics Association, Biophysical Society, Coalition for Funding Agricultural Research Missions, Cognitive Science Society Consortium for Oceanographic Research and Education, Consortium of Social Science Associations, Crop Science Society of America, Ecological Society of America, Federation of American Societies for Experimental Biology, Human Factors and Ergonomics Society Institute of Food Technologists, International Behavioral Neuroscience Society International Society for Developmental Psychobiology, National Academy of Neuropsychology, National Council for Science and the Environment Population Association of America, Psychonomic Society Society for Behavioral Neuroendocrinology, Society for Computers in Psychology, Society for Experimental Social Psychology,

CONTINUED on pg 17 ➤➤

USDA BRIEFINGS DURING NIWAW 7



USDA briefing on February 28, 2006 during the 7th National Invasive Weed Awareness Week. The event was organized and moderated by Hilda Diaz-Soltero (seated, far left), USDA Senior Invasive Species Coordinator. Presentations were given by (seated from left to right) Dr. Mary Bohman, Director of the Resource Economics Division on behalf of Dr. Susan Offutt, Administrator,

Economic Research Service, Dr. Ann Bartuska, Deputy Chief of Research on behalf of Dale Bosworth, Chief, U.S. Forest Service, Dr. Edward Knipping, Administrator, Agricultural Research Service, and Dr. Colien Hefferan, Administrator, Cooperative State Research, Education, and Extension Service.



Question and answer session for NIWAW 7 participants during the USDA briefing on February 28, 2006.

Call for Symposium Proposals for 2007 Meeting

WSSA members are invited to submit proposals for symposia at the 2007 meeting in San Antonio, TX on February 5–8, 2007. Please complete the following information and send it to: Jill Schroeder, President-elect WSSA, New Mexico State University, Box 30003 MSC 3BE, Las Cruces, NM 88003. Phone: 505/646-2328, Fax: 505/646-8087. E-mail: jischroe@nmsu.edu. Deadline for submission is June 1, 2006.

As you prepare your proposal, please keep in mind that the board will have the difficult task of deciding which proposals to accept for the program (the program can include up to five symposia each year). The board will evaluate the proposals for how well they are justified (please include your target audience), for the completeness of the proposed program, and for the completeness of the proposed budget.

SYMPOSIUM PROPOSAL 2007 WSSA Meeting, San Antonio, TX

Title:

Organizers (Designate Contact Person):

Justification and Objectives (approximately 300 words):

Associated Section(s):

Timeframe (length of program):

Proposed Titles and Speakers:

Funding Request (maximum allowed is \$3,000, requests for travel support can be made for nonmembers only):

WASHINGTON REPORT CONTINUED from pg 16

*Society for Judgment and Decision Making,
Society for Mathematical Psychology,
Society for Personality and Social Psychology,
Society for Psychophysiological Research,
Society for Research in Child Development,
Society for Research in Psychopathology,
Society of Multivariate Experimental
Psychology,
Soil Science Society of America,
Weed Science Society of America*

EPA TO PROVIDE FINANCIAL SUPPORT FOR CONFERENCES, WORKSHOPS AND/OR MEETINGS

In January, EPA announced it will provide financial support for Conferences, Workshops and/or Meetings on EPA mission related issues which include: 1) protecting human health and safeguarding the natural environment; 2) advancing the scientific and technical research that promotes environmental protection; 3) exploring current and emerging issues of importance to environmental protection; and/or 4) encouraging collaboration among the nation's best scientists and engineers in academia, business and nonprofit research institutes.

EPA expects \$750,000 will be available in grant funds through 25 awards. Applications for grant funding will be due and approved on a quarterly basis through January 18, 2007. Eligible Applicants include city, county and state governments, public and private institutions of higher education and certain nonprofit organizations. Details are posted at http://www.epa.gov/ord/grants_funding/pdfs/BAA_conferences_011806.pdf-EPA. Contact: Michael Bender at 202-564-6829; e-mail: Bender.Michael@EPA.gov

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FROM THE NEWSS MEETING



A successful "Teaching and Outreach Symposium" was conducted during the 2006 NEWSS meetings in Providence, Rhode Island. Invited speakers presented and discussed topics related to innovative teaching and learning in undergraduate and graduate education as well as extension or outreach. From left to right: Mike Fidanza (Penn State, and session chair), Prasanta Bhowmik (Massachusetts), Scott Glenn (Maryland), Renee Keese (Syngenta, and NEWS Vice-President), Stephen Hart (Rutgers), Toni DiTommaso (Cornell), and Larry Norton (Bayer). Photo courtesy of John Kaminski (Connecticut).

RESISTANCE 2007

At Rothamsted Research,
Harpenden, Hertfordshire, AL5 2JQ, UK

16-18 April, 2007

This major international conference, the fifth in an ongoing series, will review the latest research on the origins, nature, development and prevention of resistance to herbicides, fungicides, and insecticides. It will provide a forum for researchers, consultants, regulators and industrialists to present and discuss approaches to overcoming this increasingly important constraint to effective crop protection. Themes will include:

- The current status of resistance to pesticides
- Resistance mechanisms
- Population biology and modeling
- Applications of genomics
- Risk assessment and risk management
- Transgenic crops

To register your interest in attending, please visit the website: www.rothamsted.ac.uk/Research/Resistance2007.html

Alternately contact the secretariat office:

Resistance 2007 Conference Secretariat Office
Rothamsted Research, Harpenden, Hertfordshire,
AL5 2JQ, UK

Tel: (+44) (0) 1582 763133 Fax: (+44) (0) 1582 760981
E-mail rres.resistance@bbsrc.ac.uk

A book containing each abstract (max 1 page) will be published but not full papers.

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THINK NEWSLETTER

Deadline for July issue
June 1, 2006

Send Newsletter material to:

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NECROLOGY

IAN MORRISON

It is with a heavy heart that we learned of the tragic death of Dr. Ian Morrison on January 8, 2006.

Ian served as Dean of the Faculty of Agriculture, Forestry, and Home Economics, University of Alberta (Canada) from 1996 until 2004. Previous to that, he was Head of the department of



Plant Science at the University of Manitoba where he specialized in crop production, primarily relating to weed control in field and forage crops.

He was a professor of Agronomy and Cropping Systems in the U of A's Department of Agricultural, Food and Nutritional Science. His main interests were in crop and land management, with an emphasis on the interface between agriculture and the environment. He recently returned from a sabbatical in Australia where he worked with the Agricultural Production Systems Research Unit in Toowoomba, Queensland.

Ian and his family live near Sherwood Park where they keep horses for pleasure riding, back-country packing and driving. He was a member of the Alberta Trail Riders Association, the Alberta Carriage Driving Association and the Alberta Equestrian Federation.

Our thoughts and support go out to Ian's wife, Joanne, and their three children.

John J. Kennelly, Dean



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POSITION ANNOUNCEMENTS

**SUPERVISORY RESEARCH
ECOLOGIST/ENTOMOLOGIST/
PLANT PATHOLOGIST/
AGRONOMIST, GS-14/15
TIFTON, GEORGIA**



The Crop Protection & Management Research Unit, Tifton, Georgia is seeking a permanent full-time scientist. In addition to research duties the incumbent, as Research Leader, is responsible for exercising leadership, including the management of human, fiscal, and physical resources.

Specific research objectives include one or more of the following: development of integrated farm-level cropping systems involving integrated pest management approaches that increase the abundance and effectiveness of natural enemies of pests and take advantage of the inherent strengths of southern agroecosystems; development and testing of ecological principles that lead to effective and sustainable management of crop pests; elucidation of the mechanisms of interactions among soil microbial populations, soil borne diseases, and pests (e.g. nematodes); elucidation of mechanisms of host-plant resistance in southern crops for resistance to multiple pests and aflatoxin producing organisms; and, development and testing of methods for genetically based and other biologically based controls of multiple pests.

Salary range of \$87,533 to \$133,850.

For details and application directions, see <http://www.afm.ars.usda.gov/divisions/hrd/index.html>. To have a printed copy mailed, call Debbie Padgett at 229-386-3498.

U.S. citizenship is required.

Announcement closes June 26, 2006.

USDA/ARS is an equal opportunity employer and provider.

**CROPPING SYSTEMS
AGRONOMIST
KANSAS STATE UNIVERSITY
SWREC, GARDEN CITY, KS**

Plan, implement, and direct a research (70%) and extension (30%) program in cropping systems focused on traditional and non-traditional crop production systems for southwest Kansas, a semi-arid climate that encompasses full-to-limited irrigation and strictly rain-fed operations. Creating more profit potential for water-limited cropping systems is a high priority.

Emphasis will be on developing a mechanistic understanding of physiological relationships for predicting crop response to environment and cultural practices. Cropping systems research will be conducted with a team of scientists at SWREC and other KSU units. Expectations include providing leadership for cropping systems research and collaboration in related areas, publication of results in the peer-reviewed literature in a timely manner, partnering with colleagues on joint publications, and pursuit of extramural funds.

This position reports to the Head of the Western Kansas Agricultural Research Centers for research and extension responsibilities. Tenure home is the Department of Agronomy.

DEADLINE: Application screening will begin on 1 April 2006 and continue until the position is filled.

For further information visit the website: <http://www.wkarc.org/Employment/swrec1.htm> or email

JBaier@ksu.edu.

**ASSISTANT PROFESSOR/
ASSISTANT AGRONOMIST-
WEED SCIENTIST
WASHINGTON STATE UNIVERSITY
PULLMAN, WASHINGTON**

WSU invites applications for Assistant Professor-Weed Scientist, full-time, permanent, 12-month appointment, tenure track.

Required: Earned Ph.D. at the time of hire in weed science, agronomy, crop science, or related discipline; experience in field and laboratory research; and a record of publishing in refereed publications.

Desired: Experience in chemical, cultural, mechanical, or biological methods of weed management; demonstrated ability to collaborate with other scientists; experience in integrated weed management within cropping systems, including management of herbicide-resistant weeds; postdoctoral and teaching experience; excellent writing and speaking skills; and a demonstrated record of competitive grant acquisition success.

Duties: Teaching an annual undergraduate introductory weed science course starting Fall semester 2006 and an alternate year graduate level course in the area of the candidate's expertise that compliments existing courses; and researching innovative approaches in the study of weed management, ecology, and biology.

Application screening will begin on March 20, 2006. To apply, send a letter of application addressing qualifications for the position, a current curriculum vita, official transcripts, and arrange for three letters of reference to be sent to: Dr. William L. Pan, Chair, Department of Crop and Soil Sciences, P. O. Box 646420, Washington State University, Pullman, WA 99164-6420.

For technical questions about this position contact Dr. Tim Miller, 360-848-6138 or HYPERLINK "mailto:twmiller@wsu.edu" twmiller@wsu.edu.
EEO/AA/ADA

CALENDAR OF UPCOMING EVENTS

DATE	EVENT	LOCATION	CONTACT
July 9-15, 2006	18th World Congress of Soil Science	Pennsylvania Convention Center Philadelphia, Pennsylvania	Larry Wilding, wilding@tamu.edu or Lee Sommers, lee.sommers@colostate.edu Symposia: www.colostate.edu/programs/IUSS/18wcss/symposia.html Registration: www.18wcss.org
September 8-19, 2006	NATO Advanced Study Institute	Gualdo Tadino, Perugia, Italy	http://www.ispa.cnr.it/NATO-ASI
September 18-21, 2006	14th Annual North American Weed Management Association	Calgary, Alberta Canada	
October 15-21, 2006	International Conference: Novel and Sustainable Weed Management in Arid and Semi-Arid Agro-Ecosystems	The Hebrew University of Jerusalem, Faculty of Agricultural, Food and Environmental Quality Sciences, Rehovot, Israel	wgarid@agri.huji.ac.il http://www.agri.huji.ac.il/aridconference
December 11-14, 2006	NCWSS Annual Meeting	Milwaukee, Wisconsin	
January 20-25, 2007	Southern Weed Science Society Annual Conference	Opryland Hotel Nashville, Tennessee	Robert Schmidt raschwssa@aol.com
February 5-10, 2007	WSSA Annual Meeting	Marriott Riverwalk San Antonio, Texas	Paul Baumann Tel: 979-845-4880 p-baumann@tamu.edu
April 16-18, 2007	Resistance 2007 Conference	Rothamsted Research Harpenden, Hertfordshire AL5 2JQ, UK	Resistance 2007 Conference Secretariat Office Rothamsted Research, Harpenden, Hertfordshire, AL5 2JQ, UK Tel: (+44) (0) 1582 763133 Fax: (+44) (0) 1582 760981 res.resistance@bbsrc.ac.uk www.rothamsted.ac.uk/Research/Resistance2007.html
September 17-21, 2007	9th International Conference on the Ecology and Management of Alien Plant Invasions Weed Science Society of Western Australia	Perth, Australia	
December 10-13, 2007	NCWSS Annual Meeting	St. Louis, Missouri	
December 8-11, 2008	NCWSS Annual Meeting	Indianapolis, Indiana	