



WSSA

WEED SCIENCE SOCIETY OF AMERICA

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April, 2005

Newsletter



PRESIDENT'S MESSAGE

Hopefully everyone returned home safe and sound after the annual meeting in Hawaii. The final registration number was 770: 544 members, 217 spouses and 9 one-day registrants. This is one of the best attendances that we have had in recent years. I would like to thank the local arrangement committee: Roy Nishimoto, Phil

Motooka, Mike Kawate, Joe DeFrank, Allen Teshima, Nilton Matayoshi, and Lance Santo; and also, special thanks to Roy and Phil for their efforts arranging the tours. Thanks to all of you who stayed at the meeting hotel. We exceeded our required room block so we did not have to pay a penalty to the hotel. Please keep this in mind for next year in New York City.

Congratulations to this year's award winners. The announcement of the award winners is one of the highlights of the annual meeting. 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 2006.

Please plan to attend the 2006 annual meeting in New York City from February 13 through 17. This meeting will be the 50th Anniversary of the Weed Science Society of America. The 50th Anniversary Committee and the History Committee along with the Program Committee are busy planning activities for the meeting. Dr. Arnold Appleby has written a book on the history of the society which will be included as part of the meeting registration. The venue for the meeting will be the New York Marriott Marquis which is located on Broadway. The anniversary celebration and the location will provide for an interesting and entertaining meeting.

I would like to express my appreciation to Donn Thill for his service as President for the past year and also to all of the Board Members for their time and effort on behalf of the society. We often forget that Board members are volunteers who give countless hours of their time to the running of the society.

The Board of Directors is addressing issues important to the functioning of the society. The first issue is funding of the Director of Science Policy. A special committee chaired by Reid Smeda, WSSA Treasurer, and representatives of each region is working on a proposal for a 5 year plan to fund the Director of Science Policy. The proposal will be presented to the Board of Directors of each region during 2005. The second item for consideration is an agreement to co-publish

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NEEDED: WEED PHOTOGRAPHERS

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 300 common weeds of North America to complete the project that will contain all (over 1400 species) of the common weeds of North America. See our web page at the "Contribute photos" link on the WSSA Home Page 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 ogga@tctwest.net.

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our journals with Alliance Communication Group. This topic is addressed by Mike Foley, Publications Director, in an article in this Newsletter.

We are assessing the implementation of the strategic plan to determine which projects still need to be addressed. In particular, we are working on updating the Web Site which was a high priority in the strategic plan. Jeff Derr will chair the Web Site Committee which includes regional representatives.

The President's Breakfast was very productive. To insure momentum on projects during leadership changes, this year the breakfast included not only the regional presidents but also the vice-presidents. One outcome of this meeting is a committee to be chaired by Jill Schroeder, WSSA Vice-President, and comprised of regional vice-presidents and regional representatives to WSSA as members. The specific goal of the committee is to discuss linkages among the organizations with the hope that we can improve cooperation among the regional societies and WSSA especially for optimum resource use as membership declines and costs increase.

There were many other items of interest from the 2005 meeting. Graduate students now have an official voting member on the Board of Directors. The Endowment Committee under the leadership of chair Phil Banks is making plans to increase the funds with the goal of offering a graduate scholarship. The 2007 meeting will be held in San Antonio, Texas.

The WSSA and the Canadian Weed Science Society were successful in bidding to host the 2008 International Weed Science Society Meeting which will be held in Vancouver, Canada. This is a big commitment for WSSA and will require the involvement of many WSSA members. I will be appointing committees in the near future. If anyone has the desire to assist with this endeavor, please contact me.

Be sure to order your copy of the book *Invasive Plants of Range & Wildlands and Their Environmental, Economic, and Societal Impacts* which is available on the WSSA website for \$20.00. This book is a valuable reference for anyone involved with invasive plant species. The book provides information on 16 species including acreage infested, rate of spread and damage caused by the plants and a comprehensive literature citation for each species.

As always, all members are encouraged to contact me or any member of the Board of Directors with concerns about the society or items that you would like to see addressed. The society will only remain strong if it meets the needs of its members.

Carol Mallory-Smith
President

"Aquatic and Riparian Weeds of the West" is now available from WSSA

Joseph M. DiTomaso and Evelyn A. Healy, University of California at Davis, use 560 high quality color photographs to illustrate 170 aquatic and riparian weeds. Accurate, up to date information on the distribution, habitat, propagation, physical descriptions and management considerations are presented for each species. The book also contains comparison tables to distinguish among similar or related species. This book will be a valuable reference and management guide for weed control specialists, land managers, rice growers, golf course superintendents, and landscape professionals.

Price, including shipping, is \$43.50 for the first book, and \$41.00 for each additional book. To order your copy of Aquatic and Riparian Weeds of the West, please call WSSA at 1-800-627-0629 Ext. 297, or go to www.wssa.net.

WSSA FUTURE MEETING SITES AND DATES

2006

New York, NY

February 13-17

Local Arrangements:

Brad Majek

(856) 455-3100,

ext. 4122

majek@

aesop.rutgers.edu

2007

San Antonio, TX

Marriott Riverwalk

THINK NEWSLETTER

**Deadline for July issue
June 1, 2005**

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2005 WSSA AWARDS

Outstanding Teacher KENT HARRISON

Kent Harrison was raised on a cotton and grain farm on the Texas Southern High Plains near Lubbock. He obtained his B.S. degree in Agronomy from Texas A&M University and his M.S. degree in Weed Science at Texas Tech University. Dr. Harrison received his Ph.D. in Weed Science from the University of Illinois in 1985. He has been on the faculty at Ohio State University in Columbus since 1986, where he serves as Professor of Weed Science in the Department of Horticulture and Crop Science. His research has involved adjuvant effects on herbicide fate, weed-crop competition, and ecology of giant ragweed. Dr. Harrison has taught courses in Introductory Crop Science, Grain Crop Production, Principles of Weed Science, Physiological and Biochemical Aspects of Herbicides, and Weed Seed Ecology. His undergraduate Weed Science course attracts 80 to 90 students per year and he has been rated by students as one of the top professors in the College for the past 12 years. Dr. Harrison has received the Plimpton Award for Outstanding Teacher in the OSU College of Food, Agricultural, and Environmental Sciences, the OSU Gamma Sigma Delta Teaching Award of Merit, the OSU Crops and Soils Club Distinguished Faculty Award (three times), and two College-level awards for advising undergraduates. He has been involved extensively in undergraduate and graduate curriculum development, the College Honors Program, and graduate student advising. He has supervised over 30 undergraduate research projects in weed science. Dr. Harrison has served as the WSSA Representative for the North Central Weed Science Society and chairman of the WSSA Outstanding Graduate Student Award Committee. He has been active in several other NCWSS and WSSA committees and currently serves as an Associate Editor for *Weed Science* and *Phytoprotection*.

Industry Sponsor: Dow AgroSciences



Outstanding Graduate Student Award WILLIAM PATZOLDT

William Patzoldt is a native of Pine City, Minnesota, where he learned to appreciate agriculture at a young age by working on his aunt and uncle's dairy farm. He attended the University of Minnesota at Minneapolis/St. Paul and earned a B.S. degree in 1999 with emphasis areas in plant science and animal science. William is currently a doctoral candidate at the University of Illinois at Urbana/Champaign under the supervision of Patrick



Tranel in the area of Molecular Weed Science. He obtained his M.S. degree in 2002, and is expected to receive his Ph.D. in 2005. In graduate school, William's projects involve investigating mechanisms of herbicide resistance in plants. The emphasis of his doctoral dissertation is the characterization of waterhemp biotypes that are resistant to acetolactate synthase (ALS), photosystem II (PSII), and protoporphyrinogen oxidase (PPO)-inhibiting herbicides. Additional projects include the use of microarray technology to identify secondary effects of glyphosate in soybean, and the characterization of glyphosate responses in waterhemp using a quantitative genetics approach. William has been an annual presenter at meetings of both the NCWSS and WSSA since 2000. He also received a travel grant through WSSA to present an oral paper at the 2004 International Weed Science Congress. He has presented his research to growers and retailers during Agronomy Day at the University of Illinois in 2000, 2003, and 2004. For his research achievements, William was presented with the graduate student research award for the College of Agriculture, Consumer, and Environmental Sciences in 2002. To date, William has authored or co-authored six peer-reviewed publications and 25 abstracts.

Industry Sponsor: DuPont

Outstanding Early Career Weed Scientist Award ERIC WEBSTER

Eric P. Webster was born October 19, 1964 in Cullman, AL. Eric's agricultural interest began at an early age. He was raised on an Auburn University agricultural experiment station near Belle Mina, Alabama. In his teenage years Eric worked on the station after school and during summers. In 1984, Eric entered Auburn University and majored in Agronomy and Soils. During his undergraduate studies he financed 100% of his education through summer work as a cotton scout and consultant, acquiring a better appreciation of his education. He graduated with Honors in 1987. He made the decision soon after entering Auburn to pursue a graduate degree in Weed Science. His M.S. research focused on the economics of johnsongrass control in cotton, and he also gained valuable experience in peanut, corn, orchard, and soybean weed control under the direction of Dr. M. G. Patterson. In the spring of 1990, Eric graduated with an M.S. and accepted an internship position with Rhone-Poulenc Ag Company. In the fall of 1990, he accepted a full time Research Associate position under the direction of Dr. David R. Shaw at Mississippi State University and began work on his Ph.D. in Weed Science. Eric's research program at MSU focused on water



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quality and persistence of herbicides in the environment. After graduation from Mississippi State University he accepted a Weed Science position with the University of Arkansas and the University of Arkansas Cooperative Extension Service located at the Southeast Research and Extension Center at Monticello. Eric had a split 75% extension and 25% research appointment. His main focus was to work closely with producers in the state of Arkansas by conducting field demonstrations, and county and area meetings concerning herbicide carryover, weed control in corn, cotton, rice, soybean, small grains, and turf. Eric's research program focused on weed control in corn, cotton, rice and soybean. In 1997, Eric accepted a Weed Science position with Louisiana State University at Baton Rouge. Eric currently has a split appointment of 90% research and 10% teaching. His research responsibilities include rice weed control and environmental fate of herbicides, and he teaches Weed Biology and Ecology and Plant-Herbicide Physiology. Eric coaches the LSU Weed Team and the team has placed second or third since his arrival at LSU. He has served as advisor or co-advisor for seven graduate students and has served on the committees of ten other students. Eric has authored or co-authored 30 peer-reviewed journal articles, 147 abstracts of poster and oral presentations, 24 experiment station bulletins and research reports, and five extension publications. He served on numerous college and departmental committees including the committee responsible for development of an Agriculture Pest Management Urban Entomology degree program at LSU. He currently serves as a board member for the Southern Weed Science Society and has served on several WSSA and SWSS committees. He has served as Chair of the SWSS Weed Contest Committee since 1998. Eric has also been active in the Louisiana Plant Protection Association serving as Vice President and President in 2001 and 2002, respectively.

Industry Sponsor: BASF

Outstanding Paper – Weed Science

A. N. STEINAU

co-authored by

D. Z. Skinner and M. Steinau

Mechanism of extreme genetic recombination in weedy *Amaranthus* hybrids. *Weed Sci.* 51:696–701.

A. N. STEINAU

Athertina Steinau, who holds a M.S. in genetics, is a Biotechnology Instructor in Atlanta, Georgia. In 2001, she received her masters at Kansas State University where she determined the mechanisms of extreme genetic recombination in weedy *Amaranthus* hybrids. She continued as a Research Project Coordinator, and contributed as co-author for the text *Riot Control Agents* with emphasis on environmental issues. Prior to her enrollment at K.S.U., she developed



transgenic sweet potato plants as edible vaccines against cholera, at the Center for Plant Biotechnology, Tuskegee University (1997–1999). During this time, she had the opportunity to teach and mentor minority high school students of biotechnology techniques and ongoing research. She also holds a M.S. in Environmental Science and a B.S. in Biology. Her current interests are to incorporate Biotechnology into the high school education curriculum.

D. Z. SKINNER

Daniel Z. Skinner is a native of Jackson, Michigan, and attained a bachelors degree in Biology/Botany from St. Cloud State University, St. Cloud, Minnesota, in 1978. He then attended Kansas State University, Manhattan, Kansas, earning M.S. and Ph.D. degrees in Plant Pathology in 1983 and 1987, respectively. His thesis and dissertation work was directed to elucidating the nature of the genetics of the alfalfa downy mildew host – pathogen interaction. Following completion of the Ph.D. degree, he completed a three-year post-doctoral appointment at the University of Wisconsin, Madison, working on molecular genetics of the rice blast fungus. He then returned to Manhattan, Kansas, with the USDA-ARS, working on molecular biology of alfalfa. In this position, he also worked on the genomic variation of interspecific *Amaranthus* hybrids. In 2001, Dr. Skinner moved to Pullman, Washington, where he assumed the position of Research Leader of the USDA-ARS Wheat Genetics Unit. He continues in that position to date, where he is working on elucidating the cell signaling pathways involved in adaptation of wheat plants to cold temperature stress.



M. STEINAU

Martin Steinau received a graduate degree in Horticulture in Hannover (Germany) with emphasis on molecular plant pathology. In collaboration with Tuskegee University (AL), he developed transgenic sweet potato plants expressing viral coat protein for his M.S. thesis in 1998. From 1999 to 2002 he was enrolled in the interdepartmental program of genetics at Kansas State University (KS). His Ph.D. research involved the genetic transformation and evaluation of leaf rust resistance genes (Rp1) into wheat and maize. He also participated in the pursuit of genetic transposable elements in weedy *Amaranthus* hybrids. From May, 2002 he was a postdoctoral fellow under the Oak Ridge Institute for Science and Education, studying the transcriptional basis of infectious human diseases. Since 2004, Martin has been a Staff Research Scientist for bioinformatics and molecular pathology at the Centers for Disease Control and Prevention in Atlanta (GA). His current research interests are biomarker discovery for early detection of cervical cancer and the development of diagnostic assays.

Industry Sponsor: BASF

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Outstanding Paper – Weed Technology

W. W. DONALD

co-authored by
W. G. JOHNSON

Interference effects of weed-infested bands in or between crop rows on field corn (*Zea mays*) yield. Weed Technol. 17:755–763.

W. W. DONALD

Dr. William W. Donald was born in New York in 1950 and his academic degrees are: B.Sc. Biology, State University of New York at Stony Brook, 1972; M.Sc. Plant Physiology, University of Minnesota, St. Paul, 1974; and Ph.D. Agronomy, University of Wisconsin, Madison, 1977. Following positions as a postdoctoral research fellow at the USDA Metabolism and Radiation Research Lab., Fargo, ND and assistant professor at the Department of Botany and Plant Pathology, Colorado State University, Ft. Collins, CO, in 1980 he joined the USDA Agricultural Research Service as a Research Agronomist. He has conducted weed management and biology research in spring wheat in North Dakota (1980–1989) and corn, soybeans, and grain sorghum in Missouri (1989–present). His current research assignment is to develop profitable alternative weed management systems which minimize the chance of surface and ground water contamination by herbicides in Corn Belt crops.



W. G. JOHNSON

Bill Johnson is an Assistant Professor and Extension Weed Scientist at Purdue University. He received a B.S. from Western Illinois University, and M.S. and Ph.D. degrees from the University of Arkansas. His research and extension efforts are focused on integrated weed management in agronomic crops and biology; distribution, and management of herbicide-resistant weeds. He has served as major advisor to 11 graduate students and two post-doctoral research associates. His publication record includes 46 refereed journal articles, one book chapter, over 80 abstracts, 15 extension manuals, nine extension guides, and five video/CD Rom/software packages. He has served on or chaired several NCWSS and WSSA committees, and served as a frequent reviewer for *Weed Science* and *Weed Technology*. He is currently the Communications and Newsletter editor for NCWSS, and an Associate Editor for the ASA journal *Crop Management*. He received the NCWSS's Distinguished Achievement Award – Young Scientist in 2000.



Industry Sponsor: BASF

Outstanding Research Award

KEVIN VAUGHN

Dr. Kevin C. Vaughn was born and raised in MA. He attended Clark University in Worcester, MA, graduating in 1976 with a BA in Biology with honors. After a brief stint at Texas A&M University, he completed his Ph.D. at Miami University in Oxford, OH, with a Ph.D. in Botany with a specialty in genetics in 1980. His Ph.D. work centered on the inheritance of variegation in plants, with one of the papers from his Ph.D. work appearing in *Science*. Kevin then took his first and only job with the Southern Weed Science Research Unit, USDA-ARS in Stoneville, MS in August of 1980. His principal research responsibility has been in the areas of herbicide resistance, herbicide mode of action and basic weed biology. He has received six NRI grants and ten USDA post-doctoral scientist projects funded. Approximately 150 peer-reviewed journal articles have been published from these studies. Awards include Mid-South Area Scientist of the Year in 1986 and the Young Weed Scientist Award from WSSA in 1991. He has served on the Research and Resistance Committees for WSSA and an Physiology Section Chairman in addition to numerous symposium lectures. Aside from his research interests, Kevin is an avid plant breeder, having introduced approximately 200 varieties of ornamental plants, many of which have won national and international awards. In addition, Kevin plays a dozen different instruments, including oboe and English horn in the symphony.



Industry Sponsor: Syngenta Crop Protection

Outstanding Extension Award

DALLAS PETERSON

Dallas Peterson grew up on a small diversified crop and livestock farm in north central Kansas, and received his B.S. and M.S. degrees from Kansas State University. He completed his Ph.D. degree at North Dakota State University and worked as an Assistant Professor and Extension Weed Specialist in North Dakota from 1987 to 1989. Dallas returned to Kansas State in 1989 and currently serves as a Professor and Extension Weed Specialist developing educational programs and conducting applied research on weed management in soybeans, small grains, alfalfa, and specialty crops. His extension program has a strong farmer and dealer focus, including participation in many public meetings, field days and demonstrations. He is author or co-author of numerous Extension publications, news articles, research reports and proceedings abstracts. Dallas recently developed a weed management web site to provide growers and dealers easy access to information on weed identification, new weed management developments, research summaries, and other pertinent weed related information. His educational program



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often includes information generated from an applied research program that is focused on local issues, such as herbicide resistance and application technology. Dr. Peterson is an active member of the Weed Science Society of America, the North Central Weed Science Society, and the Western Society of Weed Science, serving on numerous committees and in various capacities. He has served on the WSSA and NCWSS Board of Directors, including a term as President of NCWSS. Dallas serves on the Kansas Certified Crop Advisors board of directors and works in an advisory role with the Kansas Department of Agriculture and the Kansas Noxious Weed Programs on herbicide registrations and weed management programs. In addition, he also works closely with the Kansas Ag Retailers Association and Agrilience on field diagnostic training and educational programs. Dallas has advised five graduate students and served on numerous graduate committees. He has coached the KSU weeds team to several high finishes at the NCWSS summer student contest. Dallas has been previously recognized with the Horizon Early Career and Mid-Career Awards from Epsilon Sigma Phi and the Excellence in Extension Award from Gamma Sigma Delta at Kansas State University.

Industry Sponsor: Dow AgroSciences

Outstanding Industry Award

SUE RICK

Susan K. Rick, a native of southern Illinois, is a Senior Development Representative with DuPont Crop Protection. She received her B.A. in Microbiology in 1975 and an M.S. Degree in Plant Physiology in 1976 from Southern Illinois University at Carbondale. In 1984 she earned her Ph.D. in Weed Science from the University of Illinois under the direction of Dr. Fred Slife. Susan served as the Development Representative for Ohio upon receiving her Ph.D. and since 1989 North and South Carolina. Currently she is a Senior Development Representative in the states of North and South Carolina, Virginia, Delaware and Maryland. Her responsibilities include new product development as well as serving as the technical resource for agricultural chemicals in the same geography for DuPont Crop Protection and Pioneer. Susan has been involved in the development and marketing of many agricultural products since joining DuPont. She has helped develop products for row crops as well as turf, vegetable and fruit crops, pastures, and industrial uses. Susan is an active member of the WSSA, SWSS, NEWSS and the WSSNC. She served on numerous committees for the NCWSS prior to joining the SWSS. Susan has held all the offices and served on or chaired most committees of the WSSNC. Susan received the WSSNC Distinguished Service Award in 1995. She has served on the Board of Directors of the SWSS, chaired the Sales Coordination committee and Student Program committee, served on



the Local Arrangements committee, Distinguished Service Awards subcommittee and Program committee as well as volunteers to be a graduate student contest judge yearly. Susan received the SWSS 2003 Distinguished Service Award for Industry. She is currently serving as the Sustaining Membership Chairperson on the NEWSS Executive Board. She has presented several papers over the years at the various society annual meetings. Susan has also worked and helped host the summer weed contests for all three regional societies.

Sponsor: WSSA

Honorary Member AURORA M. BALTAZAR

Aurora Baltazar was born January 7, 1947, in San Fabian, Pangasinan, Philippines. Her father owned and operated a small tire repair and vulcanization shop. He and her mother raised five children, all of whom graduated from a Philippine university. Aurora obtained her B.S. and M.S. in Agriculture from the University of the Philippines Los Bailos (UPLB) and her Ph.D. from North Carolina State University. She is an Associate Professor at UPLB where she teaches herbicide physiology. She instituted a graduate course on Herbicide-Soil Interactions which is now a core course for weed science majors in the UPLB Agronomy Department. She has advised or been on the Graduate Committee of 20 M.S. and 14 Ph.D. students. Her research on physiological responses of crops and weeds to herbicides to improve herbicide efficacy led to the use of grass herbicides for postemergence control of grass weeds in rice. As Research Associate at the University of Arkansas Rice Research and Extension Center from 1989 to 1992, she worked with Dr. Roy Smith Jr. on rice weed control and conducted studies to confirm the resistance of barnyardgrass to propanil and determined strategies to control propanil-tolerant barnyardgrass. She returned to the Philippines in 1992 to resume her teaching position at UPLB. From 2000 through mid-2003 she was the Asian Site Coordinator of the Integrated Pest Management Collaborative Research Support Program (IPM CRSP), a USAID program based at Virginia Tech. Through the IPM CRSP weed research program, she and her group have developed cost-reducing weed management strategies to help increase income of rice farmers in the tropics and generated basic data on purple nutsedge tuber population dynamics in tropical cropping systems. She has published 86 papers and presented 76 papers, four of which won Best Paper awards. She received an award for Outstanding Accomplishments in Weed Science from the Philippine Weed Science Society (1991) and an award from the Philippine Pest Management Council for outstanding accomplishments in weed science (1996). She is the immediate Past-President of the Asian-Pacific Weed Science Society and was Chair of the Organizing Committee for the 19th APWSS conference held in Manila in 2003.



Sponsor: WSSA

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WSSA Fellow Awards DOUG BUHLER

Douglas D. Buhler is Professor and Department Chair of the Department of Crop and Soil Sciences at Michigan State University. Doug was born and raised on a small dairy farm in southern Wisconsin. He received his B.S. degree from the University of Wisconsin-Platteville and M.S. and Ph.D. degrees from the University of Nebraska under the direction of Dr. Orvin Burnside. Dr. Buhler spent the first five years of his career at the University of Wisconsin, teaching, advising undergraduates, and conducting research on weed biology and management in conservation tillage systems. He joined USDA-ARS at St. Paul, MN, in 1989 with research responsibilities in weed management and water quality. In 1993, Dr. Buhler was transferred to the USDA-ARS National Soil Tilth Laboratory in Ames, IA with research responsibilities in weed biology, ecology, and management in corn and soybean production systems. In 2000, he joined Michigan State University as Professor and Department Chair of the Department of Crop and Soil Sciences. In 2003 he added duties as State Leader for Agricultural Programs for Michigan State University Extension. Dr. Buhler's research and outreach activities have focused on the responses of weed populations and weed control practices to various crop and soil management systems. His research results are being used to develop and implement improved weed management systems and have resulted in over 330 publications including 125 refereed journal and review articles. Dr. Buhler has been an author or editor of three books and presented 90 invited seminars, symposia, and workshops. He has served as an Associate Editor for *Weed Science* and *Weed Technology*, and is consulting editor for the *Journal of Crop Production*. Dr. Buhler is a Fellow of the North Central Weed Science Society, American Society of Agronomy, and Crop Science Society of America. He has also received the Outstanding Researcher Technologist Alumni Award from the University of Wisconsin-Platteville, paper of the Year in *Weed Science* (coauthor), Raymond and Mary Baker Agronomic Excellence Award from Iowa State University, Outstanding Young Weed Scientist Award from the Weed Science Society of America, the T. W. Edminster Award from USDA-ARS, Midwest Area Early Career Scientist of the Year from the USDA-ARS, and Distinguished Young Scientist from the North Central Weed Science Society.



JANIS McFARLAND

Janis E. McFarland was born the 4th of eight children and was raised in Greenbelt, Maryland. She was active in 4-H and was a Maryland 4-H All-Star. She received her B.S. degree in Biology from Virginia Tech. She graduated

Magna Cum Laude and was elected to Phi Beta Kappa. Janis received her M.S. in Plant Pathology and Ph.D. in Plant Physiology from Purdue University. While at Purdue, Janis received the DuPont Departmental Award for Outstanding M.S. and Ph.D. Student and the Outstanding Graduate Student Award from the Weed Science Society of America. Janis began her career with the Ciba Geigy Corporation in 1986 in the Biochemistry Department as a chemist studying the fate of crop protection products in animals and plants. She also had a major role in the Basic Research Group working closely with university and government scientists on pesticide metabolism and agricultural research. Janis became Group Leader of Plant Metabolism in 1991 and Manager of Environmental Metabolism in 1993. As Manager of Environmental Metabolism she directed a team of 25 scientists. In 1994, Janis was selected to lead Ciba Geigy's efforts on EPA's Triazine Special Review. She and her teams were responsible for conducting over 200 new studies on the risk, exposure, and agricultural benefits of atrazine and simazine. In 1997, Janis became Director of Environmental Stewardship and Food Quality for Novartis Crop Protection. In that position, her department was responsible for Integrated Pest Management, Environmental Stewardship, and Food Quality Protection Act activities including water monitoring, education, and research. In this role she worked closely with universities, government agencies, and growers to promote safe and effective agricultural practices that are protective of the environment. In 2001 Janis became Head of Regulatory Affairs for Syngenta Crop Protection. In this role she is responsible for registration and stewardship for Syngenta Crop Protection products. Janis has been an author or co-author on more than 45 publications and EPA Guideline study reports. Janis is active in the Weed Science Society of America and CropLife. Janis has served on the Board of Directors of WSSA, as Chair of the Strategic Planning Committee of WSSA, and on other committees. Janis and Dr. Rich McLaughlin have been married 25 years and reside in Chapel Hill, NC, with their two children.



MIKE OWEN

Michael D. K. Owen is a Professor of Agronomy and Weed Management Extension Specialist at Iowa State University. Dr. Owen received his B.S. degree in Botany/Plant Physiology in 1974 and M.S. in Botany/Weed Science in 1975 from Iowa State University. He received his Ph.D. degree in Agronomy/Weed Science from the University of Illinois in 1982 while serving as an Extension Agronomist. Prior to joining the faculty at Iowa State University, he was a faculty member in teaching and extension at the University of Florida. Dr. Owen also had four years experience in private industry. He has directed



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over 41 graduate students. Four of his students have been recognized by Iowa State University with an Excellence in Research Award. Dr. Owen has 60 journal publications, eight book chapters, more than 78 extension publications, 190 abstracts presented at professional society meetings and numerous research reports. Dr. Owen has served the North Central Weed Science Society and the Weed Science Society of America in many different committee responsibilities. Dr. Owen also serves as the Crop Science Society of America and the American Society of Agronomy liaison to the WSSA. He has received a number of awards including the Ciba-Geigy Agricultural Recognition Award in 1992, the Iowa State University College of Agriculture Excellence in Research and Extension Award in 1993. Dr. Owen was recognized by the WSSA in 1992 and was named Outstanding Extension Worker and by the NCWSS in 1995 with the Distinguished Achievement in Weed Science Service Award. He was a co-author of the 1996 Outstanding Paper in *Weed Technology*. In 1997, Dr. Owen was named a Fellow of the NCWSS. The Mid America Crop Protection Association selected Dr. Owen as the Educator of the Year in 1999. In 2002, Owen was honored with the Student Club Advisor Recognition Award and named the Sports Club Council Advisor of the Year.

CLARENCE SWANTON

Dr. Clarence Swanton obtained his B.Sc. in Botany from the University of Toronto in 1975, M.Sc. in Agrometeorology from the University of Guelph in 1977, and Ph.D. in Plant Ecology from the University of Western Ontario in 1986. He was employed by Campbell Soup Company as a Research Assistant from 1977–78, Ridgeway College as a Weed Biologist from 1978–85, and joined the Department of Crop Science at the University of Guelph in 1985. In 1988 Clarence was appointed the first Chair of the Department of Plant Agriculture at the University of Guelph. Dr. Swanton has been recognized for his contribution to weed science with several awards, including Outstanding Journal Article Award, (Honourable Mention) – Canadian Agricultural Economics and Farm Management Society (1993); the Weed Science Society of America – Outstanding *Weed Science* Paper (1994); Ontario Agricultural College Distinguished Research Award (1996); The Tenth Annual David W. Staniforth Lecturer, Iowa State University (1997); Dow AgroScience Excellence in Weed Science Award for Canada (1997); Invited reviewer of the Cooperative Research Centre for Weed Management Systems in Australia (1999); and the Weed Science Society of America's Outstanding Researcher Award in 2001. Clarence was elected a Fellow of the Canadian Society of Agronomy 2002, and was awarded the University of Guelph Presidential Distinguished Professor Award in 2000 and 2003.



Cooperative Publication Arrangement for WSSA Journals Being Considered

Alliance Communication Group (ACG), the publishing division of Allen Press, has proposed a co-publication arrangement with WSSA for *Weed Technology*, *Weed Science*, and some special publications (books, CD, etc.). An ACG representative made presentations to the Publication Board and the WSSA Board of Directors at our 2005 annual meeting.

ACG would provide publishing expertise through publishing managers, marketing staff, and advertising representatives. ACG would bear all risk of financial loss and we would receive 18% of total revenue (before expenses) as royalty; estimated at \$550,000 over 5 years. ACG would also provide \$15,000/year per journal for editorial stipends. Total revenue would be derived much as before

from institutional subscriptions, author page and reprint charges, revenues from BioOne and JSTOR, and a \$30/member contribution from annual dues, which would be fixed for 5 years. Note that we currently subsidize a portion of journal publication expenses out of membership dues. WSSA would retain ownership of the titles, the copyright, and subscription list and maintain control over journal content, editorial direction, and policies. Members would receive print and/or online access. Our current journal production, web publication, and online submission, review, and tracking services would be folded into the co-publication arrangement. Among other things, ACG proposes to increase subscription price, change our subscription model from print to

complete online access for all institutional subscribers, and increase licensing to expand in new markets and increase our impact.

Based on a positive recommendation by the Publication Board and positive feedback from some societies that co-publish with ACG, the Board of Directors voted to request ACG prepare a contract for consideration at the summer board meeting. Although we do not anticipate any surprises, for due diligence, we plan to compare side-by-side recent journal revenue and expense numbers with numbers in the proposed contract. Comments or questions on the ACG proposal or other publication issues are welcome and encourage.

Mike Foley
Director of Publications

2005 AWARDS SUMMARY and CALL FOR AWARD NOMINATIONS

The September 10, 2005 deadline for award nominations is several months away, but now is the time to begin preparing nominations. If you know of someone whose outstanding work in weed science qualifies them for an award, please visit the WSSA website (www.wssa.net/society/wsinfo.html) for award nomination forms and information.

Many outstanding WSSA members should be recognized, but recognition can only come after nomination. WSSA presents awards for outstanding service each year. These include the Outstanding Teacher, Research, Extension, Industry, Early Career Weed Scientist, Graduate Student and Undergraduate Research Awards. Award recipients will be announced at the annual meeting next February in New York, NY. Nominations are also open for Fellows for 2006 and Honorary Member for 2007. Current members of Award subcommittees are ineligible for rewards from their respective subcommittee. Also, any WSSA member who has won an outstanding service award is not eligible to receive a second one in the same category.

Award winners at the 2005 meeting were:

- Outstanding Research Award
Kevin Vaughn
- Outstanding Extension Award
Dallas Peterson
- Outstanding Teacher Award
Kent Harrison
- Outstanding Industry Award
Susan Rick
- Early Career Outstanding Scientist Award – Eric Webster
- Outstanding Graduate Student Award – William Patzoldt

Fellows named at the 2005 meeting were:

- Doug Buhler, Fellow
- Janis McFarland, Fellow
- Mike Owen, Fellow
- Clarence Swanton, Fellow
- Dr. Aurora Baltazar, University of the Philippines, received the Honorary Member Award.

OUTSTANDING PAPER IN WEED SCIENCE

Steinau, A. N., D. Z. Skinner, and M. Steinau. 2003. Mechanism of extreme genetic recombination in weedy *Amaranthus* hybrids. *Weed Sci.* 51: 696-701.

OUTSTANDING PAPER IN WEED TECHNOLOGY

Donald, W. W. and W. G. Johnson. Interference effects of weed-infested bands in or between crop rows on field corn (*Zea mays*) yield. *Weed Technol.* 17:755-763.

Undergraduate Research Award Recipients for 2005 were:

1. **Hans Spalholz**, Cornell University. Does Soil Origin and Microbial Community Affect Growth and Competitive Outcomes Between the Native Herb - Common Milkweed and Pale Swallowwort - an Invasive Alien Vine?
Sponsor: Antonio DiTommaso
2. **Matthew Pinch**, New Mexico State University. Mutualism or Pathogenicity: An Endophyte's Role in Locoweed Success.
Sponsor: Tracy M. Sterling
3. **Derek R. Drost**, University of Nebraska. Optimization of Degenerate Primers for the Amplification of Acetolactate Synthase (ALS) Resistance Domains and the Molecular Characterization of ALS Resistance in Shattercane (*Sorghum bicolor*).
Sponsor: Don Lee
4. **Vanessa Lee**, University of California, Riverside. Physiological Basis for Invasiveness of Sahara Mustard, *Brassica tournefortii*, in Southwestern Deserts.
Sponsor: Jodie Holt
5. **Maria Lockard**, Washington State University Extension. Flowering and Seed Production of Prickly Lettuce (*Lactuca serriola* L.).
Sponsor: Joseph P. Yenish
6. **Katie Cockburn**, University of

British Columbia. A Comparison of the Weed Control Abilities of Black Polyethylene and Two Polymerized Vegetable Oil Based Agricultural Films When Used as Mulch in a Tomato Crop.

Sponsor: Mahesh Upadhyaya

7. **Aliya Haji**, University of British Columbia. The Replacement of Polyethylene Sheets with a Biodegradable Mulching Material to Improve the Impact and Efficiency of Soil Solarization on the Environment.

Sponsor: Mahesh Upadhyaya

FELLOW AWARD

WSSA members are invited to nominate a member of WSSA who they believe deserves a special recognition because of his/her contribution to WSSA and the field of Weed Science. Up to 0.3 percent of the active membership of WSSA may be elected as Fellows in any one year. Nominees must be members of the WSSA who have been active for at least 10 years. They must have made substantial contributions in more than one of the following areas: (1) professional publications, (2) educational contributions other than publications, (3) development or improvement of weed science programs, practices and products, (4) other professional contributions, (5) service to WSSA or regional conferences, and (6) service to the profession outside the Society. **Jim Barrentine** (jbarren@uark.edu), chair of the Fellows and Honorary Member Awards Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

HONORARY MEMBER AWARD

WSSA members are invited to nominate individuals for election as an Honorary Member of WSSA. The Honorary Membership Award is given to an individual who has performed meritorious service to the field of Weed Science, but who is not

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AWARDS CONTINUED from pg 9

an active, participating member of WSSA. Only one honorary member is selected per year. Nominees may be from the United States, Canada, or other countries. **Jim Barrentine** (jbarren@uark.edu), chair of the Fellows and Honorary Member Awards Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

OUTSTANDING EXTENSION AWARD

A nominee for this award must have been active in extension work 4 out of the past 5 years with a minimum of 75 percent of his/her extension work involved in weed science. The nominee must also be a member of WSSA. **Mark VanGessel** (mjv@udel.edu), chair of the Outstanding Extension Award Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

OUTSTANDING RESEARCH AWARD

This award is for research workers who are members of WSSA and who have demonstrated originality and creativity and whose work has had an impact in the field of weed science. The award is established to recognize outstanding contributions to both applied and basic weed science research. **Lori J. Wiles** (lori.wiles@ars.usda.gov), chair of the Outstanding Research Award Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

OUTSTANDING TEACHER AWARD

To be eligible for this award, the nominee must be a member of WSSA and currently active in teaching weed science. The recipient must have taught a weed science course(s) at least five times or have served as major professor for at least five students who have received advanced degrees and whose research was in weed science. **Rene Van Acker** (rene_van_acker@umanitoba.ca), chair of the Outstanding Teacher Award Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

OUTSTANDING INDUSTRY AWARD

WSSA members are invited to nominate a member of WSSA who they believe deserves special recognition because of his/her contribution to the field of weed science. The nominee must be a member of the WSSA and actively employed in private industry at the time of nomination. The nominee must be actively engaged in weed science activities and weed science should have been a major component of the nominee's job description during his/her career. **Eric Prostko** (eprostko@uga.edu), chair of the Outstanding Industry Award Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

EARLY CAREER OUTSTANDING SCIENTIST AWARD

The recipient of this award must be an active member of WSSA, must have completed a minimum of 5 years of work in weed science in addition to their terminal degree, and not be 41 years of age by January 1, 2003; or have demonstrated no more than 10 years of work after their terminal degree. This award is for young scientists who have demonstrated originality and creativity, have made a notable contribution to weed science and have potential for continued excellence. **Tom Mueller** (tmueller@utk.edu), chair of the Early Career Outstanding Scientist Award Subcommittee, may be contacted for questions on the electronic submission of nomination packages. Note: the title of this Award was formally the Outstanding Young Weed Scientist Award.

OUTSTANDING GRADUATE STUDENT AWARD

The student must be a candidate for the M.S. or Ph.D. degree or have received the degree within the past 12 months at the time the award is presented. The student should have made notable contributions to weed science and should have a good academic record and sound training in weed science. Above all the recipient must be recognizable as a truly outstanding individual with excellent potential for continued development.

The nomination should be initiated by the student's major advisor. **Rene Van Acker** (rene_van_acker@umanitoba.ca), chair of the Outstanding Graduate Student Award Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

UNDERGRADUATE RESEARCH AWARD

The Education Committee of WSSA developed an Undergraduate Student Research Award designed to support undergraduate involvement in agricultural research. Interested faculty members are encouraged to identify potential award candidates and discuss the possibility of sponsoring a research project. Awards may be a stipend for research budget expenses (travel, supplies, etc.), to defer fees, to defray living expenses for summer research, or any combination of these items. **For this Award nominations are due November 1, 2004.** **John J. Jachetta** (jjjachetta@dow.com), chair of the Undergraduate Research Award Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

CHARLES A. BLACK AWARD

The Charles A. Black Award is to be awarded annually to a Food or Agricultural Scientist, actively engaged in research, who has made significant scientific contributions to his/her scientific field, and who is selected on the basis of significant abilities to communicate the importance of his/her work and of agricultural science to layman policy makers and media. These nominees may have demonstrated their ability to communicate either by written material, spoken material, use of television, radio, or other media. They should be recognized by their peers as scientists who have made significant contributions in their professional fields.

Nominations for the Award can be made to the Council for Agricultural Science and Technology, 4420 Lincoln Way, Ames, Iowa 50010. Nominations must be made by September 1, 2004 and should be accompanied by

CONTINUED on pg 11 >>

Call for Symposium Proposals for 2006 Meeting

WSSA members are invited to submit proposals for symposia at the 2006 meeting in New York, NY on February 13–16, 2006. Please complete the following information and send it to Dale Shaner, Vice President, WSSA, USDA-ARS, 2150 Centre Ave. Building D, Suite 320, Fort Collins, CO 80526. Fax: 970-492-7408, E-mail: dale.shaner@ars.usda.gov. Deadline for submission is May 15, 2005.

SYMPOSIUM PROPOSAL 2006 WSSA Meeting, New York, NY

Title:

Organizers: (Designate Contact Person)

Justification and Objectives (approximately 300 words):

Associate Section:

Timeframe:

Proposed Titles and Speakers:

Funding Request:

AWARDS CONTINUED from pg 10

five letters of support, a vita of the individual and a two-page summary prepared by the nominator describing the activities of the nominee and reasons for consideration for the Award. Announcement of the Award will be published in Newscast and circulated to the members and to scientific and agricultural news media.

The Award consists of a commemorative plaque and a \$500 travel allowance for the recipient to receive the Award at the February 2005 CAST Board Meeting.

CAST is solely responsible for the selection of the individual to receive the Award. Evaluation of the nominations will be made by a committee from the CAST Board, appointed by the CAST President. In order for the individual to receive the Award, they must be present to make a short verbal acceptance statement and provide a written copy which may be used by CAST in publicizing the annual winner.

New Book Announcement from Oregon State University Press

Biological Control of Invasive Plants in the United States

Edited by Eric M. Coombs, Janet K. Clark, Gary L. Piper, and Alfred F. Cofrancesco, Jr.

An invaluable reference for land managers, natural resource and weed control specialists, and students of natural resource management, this book provides practical, science-based information needed for understanding and using biological control as part of an integrated invasive-plant management strategy.

In this volume, leading experts review the discipline of biological control of invasive terrestrial and aquatic plants. Topics addressed include ecology, safety testing, nontarget impacts, and the processes of identifying, introducing, distributing, and monitoring biological control agents. The book also describes 39 target plants in the continental U.S. and 94 agents, including their origin, biology, habitat, impacts, and distribution. The book concludes with information about invasive plants targeted for biological control in the future.

476 pages. Full-color photographs. Index. ISBN 0-87071-029-X. Paperback, \$45.00. Toll free phone/fax orders: 1-800-426-3797. Secure online ordering:

<http://oregonstate.edu/dept/press/a-b/BioControl.html>



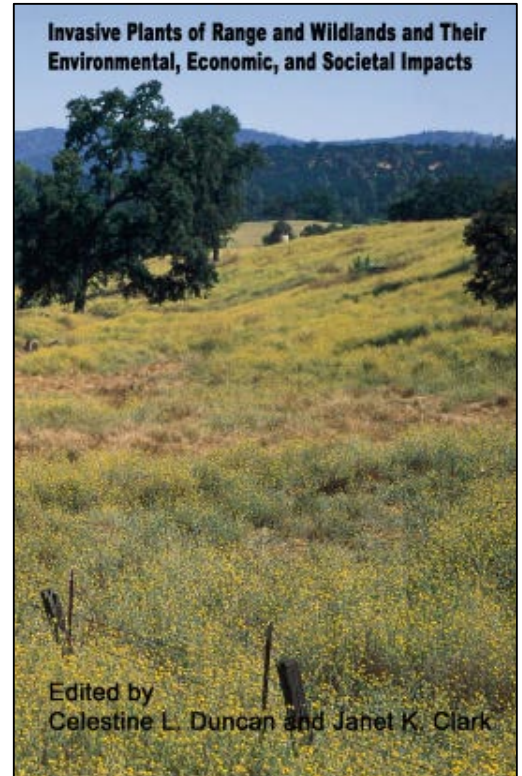
Invasive Plants of Range and Wildlands and Their Environmental, Economic, and Societal Impacts

An invaluable reference for researchers, weed control specialists, and natural resource planners and policymakers, this book provides comprehensive references to scientific studies that quantify the impacts of sixteen invasive plants on our environment, economy, and society. Data also offer evidence of the extent of infestations in the continental United States and the historical spread rate of these species.

Range and wildland species highlighted in this volume are Canada thistle, Dalmatian toadflax, diffuse knapweed, downy brome, hawkweed, leafy spurge, medusa-head, musk thistle, perennial pepperweed, purple loosestrife, Russian knapweed, saltcedar, sericea lespedeza, spotted knapweed, tropical soda apple, and yellow starthistle.

For each species, national databases and scientific literature collections of experts were consulted to uncover historical as well as the most up-to-date impact information. In some cases, a lack of scientific data points to research gaps that deserve immediate attention.

Published by the Weed Science Society of America, this book provides readers succinct summaries and references that will be valuable to prioritizing management programs and formulating consistent and rational land management decisions.



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 810 E. 10th St.
 Lawrence, KS 66044-7050

By Fax:

Weed Science Society of America
 785-843-1274

By Phone:

800-627-0629

Order Your Copy Now of the Most Comprehensive
Weed Identification Reference Ever Produced for North America

1,000 WEEDS OF NORTH AMERICA: An Identification Guide

Students **Consultants** **Instructors**
Researchers **Hobbyists**

Do you need to identify an unknown plant? Do you need a plant identification teaching aid for your weed or plant management course? Do your students need an identification tool for their weed labs? If so, then you'll find this new CD from WSSA to be just what you need! This easy-to-use interactive program contains pictures and identifying characteristics of 1,000 weed species that often cause problems in managed or native landscapes.

The interactive weed ID program on CD contains:

- Description of 140 grass-like and 860 broadleaf weeds
- A helpful tutorial included on the CD
- On-line training video is available at www.wssa.net
- Non-copyrighted color images of each weed may be copied and used for non-commercial instructional or demonstrational materials (please retain attribution).
- Common name, up-to-date scientific name, and synonyms for each species
- Searchable state/province level distribution data and maps
- An illustrated glossary of terminology
- References to 55 weed reference books and articles.

Updates with additional species will sell for a reduced price to registered owners.

System Requirements: Windows 95 or higher, Internet Explorer 5.0 or higher (free download), 700 megabytes of free space on your hard drive. The CD can also run from the CD drive without installation.

To order your copy please call WSSA at 1-800-627-0629 Ext. 297, or go to the WSSA website (<http://www.wssa.net/>), or use the order form at the bottom of this advertisement.

Single CD: The price of a single CD is \$49.95 plus \$5.00 for shipping and handling for a total of \$54.95. The S&H fee for 2-9 CDs mailed to one address is \$5.00.

Bulk Orders and/or Site Licenses: Discounts available for order of 10 or more copies from WSSA (<http://www.wssa.net/> or at 1-800-627-0629 Ext. 297).

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Flora ID Northwest

**CDs Now Available
Through WSSA**

Would you like to have an easy to use interactive key on a compact disc for identifying all the native and naturalized plants in any of 14 western and north central states or British Columbia?

The Weed Science Society of America has teamed-up with Flora ID Northwest, LLC, to make available to you CDs for identifying all the native and naturalized plants in any of the following areas: British Columbia, Washington, Oregon, Idaho, Utah, Montana, Wyoming, Colorado, North Dakota, South Dakota, Nebraska, Kansas, Minnesota, Iowa, or Wisconsin. In addition, there are two regional CDs available, one for the Pacific Northwest Region (B.C., WA, OR, ID, MT, UT, WY and CO) and another for the Great Plains Region (ND, SD, NE, KS, MN, IA, eastern MT, eastern WY and eastern CO).

The keys contain complete descriptive information on the plant species, allowing the use of almost any plant feature to identify it. Most individual state or province CDs contain over 2000 species. Color images are also included for over 99.5% of the species for each state or province. CDs for the individual states or province are available at \$99.95. Region-wide keys are available for the Pacific Northwest (PNW at \$299.95) and for the Great Plains (GP at \$249.95). A \$6.00 S&H fee will be charged on each order (for up to 10 CDs and \$2.00/CD beyond 10). A 10-site license is available for each statewide key at \$330.00, for the PNW key at \$990.00, and for the GP at \$825.00 plus \$6.00 S&H.

TO ORDER, please call WSSA at 1-800-627-0629 Ext. 297, or go to the WSSA website:
<http://www.wssa.net>

THINK NEWSLETTER
Deadline for July issue
June 1, 2005

WASHINGTON REPORT

by Rob Hedberg, Director of Science Policy

PRESIDENT'S BUDGET PROPOSAL

President Bush released the proposed Federal Budget for Fiscal Year (FY) 2006 on February 7 and plans for significant changes in the CSREES budget have sent shock waves through ag-academia. The proposed budget is \$143 million (12%) below estimated FY 2005 expenditures of \$1,184 million. These numbers represent a \$38 million increase in specific CSREES programs and the elimination of \$181 million in Congressional earmarks. Keep in mind, the President proposes funding levels but Congress dispenses them. There has already been an outcry from across the country and you can be assured that many of the earmarks eliminated in the President's budget will be restored before the agricultural appropriations process is complete.

The key highlights are:

- The National Research Initiative (NRI) was increased from \$180 million in FY2005 to \$250 million in FY2006 and its cap on indirect costs will also be eliminated to put the NRI on par with other Federal competitive grant programs.
- A new \$75 million competitive grants program for the State Agricultural Experiment Stations (SAES) was created.
- Among the Formula Fund Programs, the Hatch Act and McIntire Stennis programs were cut by 50% (\$90 million and \$11 million respectively); the Animal Health and Disease Programs were eliminated (\$5 million) and the Evans-Allen Programs increased slightly.
- The 406 programs (\$42 million in Water Quality, Food Safety, Regional Pest Management Centers, Crops at Risk, FQPA Risk Mitigation, Methyl Bromide and Organic Transition) were redirected into the NRI and new SAES competitive grants program.
- The following sources provide

specific details on the proposed budget:

<http://www.csrees.usda.gov/about/offices/budget.html>

<http://www.usda.gov/agency/obpa/Budget-Summary/2006/FY06budsum.pdf>

<http://www.csrees.usda.gov/newsroom/newsletters/update05/021105.html>

In response to the proposed changes the Western Society of Weed Science approved a resolution at their recent annual meeting that concludes with the statement, "be it resolved, that the Western Society of Weed Science supports funding for the Hatch, McIntire-Stennis and Animal Health and Disease Programs at not less than their FY2005 levels." Copies of the complete resolution will be posted on the WSSWS website (<http://www.wsweedscience.org/>). Although the appropriations negotiations will be ongoing through the summer, key dates for contacting your congressional representatives are before April 8 for Congressmen and April 15 for Senators.

NIWAW VI

The sixth National Invasive Weed Awareness Week was held February 27 through March 4 in Washington, DC and judging by the comments received it was a real success. This year 160 people from 35 states and two countries registered for the event, keeping up the steady 20% growth in attendance we have seen every year. What was initiated in 2000 as a relatively small gathering of weed folks from across the country has now grown into a significant annual meeting on many people's calendars. In addition to providing attendees a great opportunity to meet with their congressional delegations and the leaders of many federal agencies, it has also turned into a great opportunity for interaction between a wide variety of public and private organi-

zations that are concerned about weeds. I am certain that this interaction will be invaluable as we look for ways to improve communication, coordination, research and weed management. Now, after several years as the chair of the NIWAW organizing committee I am pleased to pass the helm to Dr. Nelroy Jackson who has been a stalwart contributor from the outset and will certainly do an excellent job leading this activity in further growth.

WSSA PUBLISHES NEW BOOK ON WEED IMPACTS

Copies of a new book published by WSSA, *"Invasive Plants of Range and Wildlands and Their Environmental, Economic and Societal Impacts,"* rolled off the press just in time for the annual meeting in Honolulu. By design, and good fortune, the timing coincided perfectly with the symposium on Economic and Environmental Losses Due to Weeds that was held during the meetings. Together the book and symposium were developed to help document what we currently know about losses due to weeds and to set the stage for further work that will help improve weed management decisions and weed management policies. This information has been identified as a high priority need among many federal agencies working on weed issues.

Many people contributed to this book that was edited by Celestine L. Duncan and Janet K. Clark and supported with a generous grant by Dow Agro Sciences and all deserve a warm thank you from the society for helping to produce and promote this timely new book. Copies of the book are \$20 each and can be ordered through the WSSA website:

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

ECONOMIC RESEARCH SERVICE INVASIVE SPECIES RFA

The USDA Economic Research Ser-

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vice has released a call for applications to the third year of their *“Program of Research on the Economics of Invasive Species Management” (PREISM)*. The deadline for applications is April 29, 2005. Details of the PREISM program can be found at: <http://www.ers.usda.gov/Briefing/InvasiveSpecies/#Feature>.

NEW RULES PROPOSED FOR IMPORTATION OF NURSERY STOCK

USDA-APHIS announced extension of the comment period for their advance notice of proposed rulemaking in order to solicit public comment on whether to/how to amend the regulations that govern the importation of nursery stock. The closing date for comments is now April 11, 2005. In a nutshell, the proposed changes would treat nursery stock more like imported fruit and vegetables which must be approved for importation in contrast to the current regulations that can only deny entry to prohibited items. Details on the proposed changes can be found at:

<http://docket.epa.gov/edkfed/do/EDKStaffCollectionDetailView?objectId=0b0007d4804fb613>

and instructions for submitting comments under the extension can be found at:

<http://www.regulations.gov/fredpdfs/05-04705.pdf>

NATIONAL GEOGRAPHIC AND PBS TEAM UP ON INVASIVE SPECIES

National Geographic Society and the Public Broadcasting Services Network (PBS) have teamed up to produce a mini-series on current environmental issues. The premier broadcast of the *“Strange Days on Planet Earth”* miniseries is on invasive species and will be broadcast the evening of April 20 in conjunction with Earth Day. The documentary and the accompanying feature article in the March issue of National Geographic magazine include some good coverage of weed issues such as water hyacinth in Lake Victoria and miconia in Hawaii.

COMMENTS ON 2,4-D RISK MITIGATION PROPOSALS

On March 14, WSSA submitted comments on EPA’s risk mitigation proposals for 2,4-D that were supportive of continued registration of this herbicide, expressed some minor technical concerns and also encouraged maintaining some of the higher rates that are occasionally used in forest site preparation, right of way and invasive plant management. Copies of the WSSA comments are available on request or on line through the EPA 2,4-D docket:

<http://docket.epa.gov/edkfed/do/EDKStaffCollectionDetailView?objectId=0b0007d4802a593c&docIndex=4>

NEWSS SYMPOSIUMS IN WASHINGTON, DC DRAW ATTENDANCE

The Northeast Weed Science Society (NEWSS) held three symposia at their annual meeting in Washington, DC that helped boost attendance significantly while shedding light on timely issues of national policy concern. NEWSS provided a service to all members of the discipline by holding these symposia just two blocks from the White House and opening the meeting to Washington agency and policy folks. The three symposia were on turf grass, herbicide resistant weeds and the impact of invasive species on endangered species. The Endangered and Invasive Species symposium has already had a noticeable impact on policy discussions at a critical time when amendment of the Endangered Species Act is under serious consideration.

Send Newsletter material to:

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WSSA Newsletter Editor

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Box 9652 • Mississippi State, MS 39762
Telephone (662) 325-9575
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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.

WSSA Contacts at Allen Marketing and Management

For All Contacts:
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NECROLOGY

LEROY (WHITEY) HOLM

LeRoy (Whitey) Holm passed away on November 14, 2004 in Madison, Wisconsin, his home for almost sixty years.

He came to the University of Wisconsin after World War II to pursue a PhD in botany and biochemistry. Graduating in 1949, he began teaching and research in the College of Agriculture where he taught courses in growth regulators, plant propagation, and weed science for 25 years.

Weeds became an avocation and a passion that spanned five decades. Though he worked with farmers and researchers in most of the countries of the world, he would ironically reflect that he never took a course in agriculture. In 1958, Prof. Holm began a 40-year odyssey, circling the world several times to gather information about the biology and distribution of the worst weeds in human affairs.

In the 1950's he was part of a quartet that devised a system by which common names are applied to herbicides in the U.S. In 1963, he was chosen by the National Academy of Sciences as an Exchange Professor to the Soviet Academy of Sciences to survey botanical and agricultural research and training. Upon arrival, he found his liaison had disappeared, his agenda unraveling and in chaos; but he managed over the course of four months to traverse, alone, the Eastern Soviet Union from the Baltic to the Black Sea visiting schools, research facilities and experiment stations. Some that had not seen Westerners in 50 years.

He went to Rome in 1965 to establish the first Weed Officer post for the Food and Agriculture Organization of the United Nations. In his summary report, before returning to Wisconsin, he outlined the task that would engage him for the next thirty years: to describe the worst weeds responsible for most of the losses in major food crops around the globe.

In 1968, Whitey and two colleagues sponsored and arranged the First International Conference on Allelopathy. In 1970, he was appointed a member of the United Nations Secretariat to organize their only International Weed Science Conference, convened at Davis, California by the U.N., the USDA and the WSSA.

Prof. Holm retired from the University of Wisconsin in 1971 and moved to the East-West Center in Hawaii as a Senior Research Fellow to begin composing the first major study of the world's worst weeds and their impact on mankind. From 1977 to 1997 he and his collaborators published, in three volumes, the natural histories and distributions of some 200 weeds responsible for 90 percent of losses in major food crops and compiled the geography and importance, by country, of 8000 other plants reported as weeds.

"The World's Worst Weeds" was published in 1977,

followed two years later by "A Geographical Atlas of World Weeds." The surveys encompassing these two volumes were later used as the foundation for the plant database developed for the first Federal Noxious Weed Act. At age 79, 26 years after he began, the third volume was published in 1997. That same year, "Weeds in World Agricultural: Natural Histories and Distribution" received the award for Excellence in Professional and Scholarly Publishing in the Biological Sciences by the Association of American Publishers.

Throughout his career Whitey was always an enthusiastic and fervent supporter of weed science organizations at all levels. He wore many hats — official and otherwise — in his service to them, both as master and acolyte, believing that communication and collaboration beyond one's own backyard were basic and essential parts of the field's development and vision. He served as president of the North Central Weed Science Society in 1960. Prof. Holm was a Fellow of the WSSA and an Honorary Member of the NCWSS. His global contributions were recognized with the "Award for Outstanding Achievement" from IWSS in 1991.

After publication of the last book, Marian, his wife, secretary, travel companion and nurse, strongly suggested that he find another hobby. Since Whitey liked her cooking, he prudently chose to retire a second time to concentrate on improving his tomato, cucumber and sauerkraut crop with the help of his grandchildren.

Whitey is survived by his wife Marian, three children, and five grandchildren who are all kraut makers and with whom he swapped many stories of amazing adventures.



GAIL WICKS

Gail Wicks, 72, died February 2005, in Hastings, Nebraska, after a serious illness, just one day after the city of North Platte named a street for him. Professor and Extension Weed Specialist, University of Nebraska from 1976. He was located at the West Central Research and Extension Center, North Platte, Nebraska, where he had a 50% Extension and 50% Research appointment. His areas of emphasis and expertise were weed management in conservation tillage systems, especially ridge-till and eco-fallow; sensors used to measure herbicide injury and improve site management; herbicide resistance; and a special interest in the management of jointed goatgrass, downy brome, kochia, sandbur, and field pennycress.

"For years, Wicks served as a volunteer coach for North Platte's youth softball program. In the mid 1980s, he began the North Platte Belles, a summer softball program for youth. Earlier this year, the Platte Valley Softball

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NECROLOGY CONTINUED from pg 17

Association asked to name the street alongside the softball fields for the longtime coach and mentor.

City Mayor G. Keith Richardson, Sen. Don Pederson and some of Wicks' family were on hand Sunday for the naming ceremony.

Wicks' son David unveiled the sign proclaiming the section of road "Gail Wicks Drive." Wicks retired in January after 46 years as a soil scientist at the University of Nebraska West Central Research and Extension Center in North Platte.

Since he began in 1958, he saw many changes, in tillage practices, farm technology, herbicides and irrigation.

Helping local farmers conserve water in a dry climate was crucial for Wicks and other researchers, resulting in the development of no-till and eco-fallow cropping systems. With no-till, farmers do not till the ground when they plant crops, leaving plant residue on the surface to trap soil moisture and reduce soil erosion.

Wicks said erosion used to be a major problem for Nebraska farmers. "Fifty years ago, dust was blowing, and water was eroding the soils, because there was no crop residue," Wicks told *The Telegraph* in January. "We were able to slow up that process, which really made a difference in crop production in Western Nebraska."

Wicks' research took him to Australia in 1981, where he spent six weeks teaching. Over the years, he revisited Australia several times to continue the work. Wicks told *The Telegraph* in January that his work taught him persistence. "If you get an idea, keep plugging away at it," he said. "Try to figure out a way to overcome the obstacles. Lots of people get ideas, and if you can help them, that's a big plus for agriculture."

And, he learned something else. "There are a lot of great people in Nebraska," he said. "There are a lot of farmers who have done a good job and been productive. I have enjoyed their friendship." Sunday's ceremony honoring Wicks was marked by tears, since many people knew Wicks was not doing well. PVSA member Roger Neujahr mentioned Wicks' commitment to his players. "He loved the sport, but he loved more the impact he had on the players' lives," he said. Another man referred to Wicks as "the godfather of softball." And Richardson announced a \$500 softball scholarship in Wicks' name for a senior girl to North Platte Community College or Mid-Nebraska Lutheran College. David Wicks said he was touched by the large turnout to honor his father.

"It meant a lot to us as a family because he worked really hard with the softball program," he said. "It was very touching to see how many people came to pay tribute. We appreciate the community. It's a great community."

Gail Wicks had degrees in a M.S., Agronomy, South Dakota State University, 1959, and a B.S., Agronomy, Agricultural Education, South Dakota State University, 1954.

His previous professional experiences included: Associate Professor in Agronomy, University of Nebraska, 1971 to 1976; Assistant Professor in Agronomy, University of Nebraska, 1963 to 1971; Instructor in Agronomy, University of Nebraska, 1960 to 1963; Assistant in Agronomy, University of Nebraska, 1958 to 1960.

His membership in professional and honorary societies included: the Weed Science Society of America, American Society of Agronomy, North Central Weed Science Society, Crop Science of America, CAST, Soil Science Society of America, Alpha Zeta, and Agriculture Hall of Achievement.

His honors include:

- 1970, Graduate Faculty Fellow;
- 1973, Outstanding Rotarian District 563;
- 1979, educator of the Year – No-Till Farmer Magazine;
- 1981, Excellence in Extension; Programming Award – Team Leader for the eco-fallow program in the winter wheat-sorghum or corn-fallow rotation;
- 1983, Distinguished Extension Specialist Award;
- 1984, USDA's Distinguished Service Award;
- 1984, Honorary Membership in the North Central Weed Control Conference;
- 1986, Gamma Sigma Delta's Extension Award;
- 1986, Soil and Water Conservation Steward Award from Natural Resources District-TwinValley;
- 1990, IANR Team Effort Award (Limited irrigation and eco-fallow);
- 1990, UNL Educational Service Award;
- 1990, Distinguished Achievement Award by North Central Weed Science Society;
- 1991, Excellence in Extension Award by National Association of Wheat Growers;
- 1992, No-Till Tiger Award at the National Association of Conservation Districts;
- 1992, Nebraska Softball Hall of Fame;
- 1994, Nebraska Hall of Agriculture Achievement;
- 2000, Fellow, Weed Science Society of America



News from the NEWSS

The Northeastern Weed Science Society held its 59th Annual Meeting at the Capital Hilton in Washington D.C. on January 3-6, 2005. The theme of the meeting, "Finding Solutions for Managing Today's Weeds," was pillared by three symposia: "Managing Invasive Species while Protecting Endangered Species," "Advances in Annual and Roughstalk Bluegrass Control in Golf Course Turf," and "Status and Future of Herbicide-resistant Weeds." Awards given by the Society for 2004 included Outstanding Researcher (Brad Majek, Rutgers Univ.), Outstanding Educator (Toni DiTomasso, Cornell Univ.), Award of Merit (Tom Watschke, Penn State), and Distinguished Members (David Vitolo, Syngenta and Henry Lohman, NY grower). As in recent years, the Society met jointly with the Northeast Region of the American Society for Horticultural Science.

The NEWSS continues to progress in its efforts to support electronic communication with its membership. A new web site will be launched early in 2005, and electronic publishing of its newsletter has continued since August 2003. For the first time, electronic copies of the NEWSS annual proceedings were made available for purchase at the annual meeting along with the traditional hard-copy format. A newly constructed on-line membership database, integrated within the new web site, will improve both accuracy and functionality of member information. In 2004, under the leadership of out-going president Robin Bellinder, the Society welcomed a new Editor to the Executive Committee (Hilary Sandler, UMASS), boasted a highly successful collegiate weed contest at NC State, and initiated discussion on the first policy statement by a professional weed science society on glyphosate stewardship. The NEWSS Collegiate Weed Contest, with an updated layout for 2005, will be hosted by Penn State in Landisville, PA on July 26, 2005. In-coming president Tim Dutt has arranged to hold the 60th Annual Meeting of the NEWSS (jointly with the Northeast Aquatic Plant Management Society) at the Westin Hotel in Providence, RI in 2006.

Brent Lackey
NEWSS Public Relations

THINK NEWSLETTER

Deadline for July issue is
June 1, 2005.

PEOPLE & PLACES IN THE NEWS

Dr. Raj Prasad doesn't have any broom bush samples in the Pacific Forestry Centre greenhouses anymore. His colleagues tossed them out. The tenacious yellow-flowered pest that invades Garry oak meadows was also invading everyone's potted plants used for other experiments, admits Prasad sheepishly.

"It's nasty," says Prasad of his nemesis, Scottish broom bush and its relative, gorse bush. After 10 years, Prasad and a team of scientists successfully created a natural pesticide for broom bush and gorse, from a fungus they found at Cowichan Lake.

Prasad was recently nominated for a research and development award through the Capital Regional District EcoStar Awards, which recognizes local individuals or businesses committed to the environment. "The recognition was nice," he says.

Scientists can work for years never knowing if something will pan out. He didn't know he would see his research through to a commercial product. Now there is one more tool to fight the invasive species, a fungicide that is natural and environmentally safe.

Prasad gave the patent for his fungicide to MycoLogic, a spin-off company from the University of Victoria's Innovation and Development Corporation. They are selling the fungicide as Chontrol. Five percent of the royalties will go back to the PFC. Chontrol is registered with Canada's Pest Management Regulatory Agencies and, in December, Chontrol was conditionally approved by the U.S. Environmental Protection Agency.

Prasad's interest in broom and gorse began because, besides threatening Garry oak ecosystems, it is a commercial forestry pest. "In the initial stages of planting, Scotch broom takes over plantations and competes with them," he says. Prasad has aerial photos of new Douglas fir plantations – entire mountainsides covered with yellow broom and gorse. The plants can reach 10-feet tall, choking out baby fir.

Prasad also has photos of the lengths that foresters will take to attack broom. One particularly Dr. Seuss-like solution is a machine that pumps steam into trenches dug through the broom thickets to burn the roots – a measure that is only partially successful at killing the tenacious weed. Forestry workers also try to hack it back, cover it with mulch or treat it with chemical herbicide.

Prasad can't help revealing an admiration for the design of broom bush as he talks about what makes it so successful. "It developed all these mechanisms to survive," he says. If you cut the plant back to the root it resprouts multiple shoots, he says. In one and a half years, it will start producing seeds, 18,000 per plant, many of which last in the damp soil for 30 years. The black seeds are sugary, a favorite for ants to disseminate. In other devious adaptations, the plant's stems are green with

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chlorophyll. In other words, they can grow in the winter without any leaves, while other plants lay dormant. "It becomes very difficult to eradicate," Prasad says, clearly an understatement.

Prasad's work started with collecting fungus that was attacking Alders near Cowichan Lake. He isolated two types of fungus. One was so deadly to hardwoods like aspen, poplar, alders and broom and gorse, that it seemed an unlikely candidate. It was more likely to inflict collateral damage to the ecosystem. Prasad instead turned his attention to a relatively more benign mould, *Chonrostereum purpureum*. In a petri plate, it looks friendly enough. It's pink and fuzzy, almost downy, like pink bread mould.

Prasad and his team had to culture the mould, selecting the most potent varieties, then test it to make sure the fungus wouldn't attack other trees, ruin water sources or be unsafe for wildlife and humans. The fungus kills other

fast-growing hard wood trees, also considered to be pests in forestry. It has one downfall: it infects fruit trees. As a result, the fungus is not allowed within 500 meters of an orchard.

To use it, workers cut the broom off at its base, and then spread the fungicide on the cut stem. The fungicide keeps the broom from re-growing altogether, or slows it down to the point that it looks stunted and does not produce seeds for several years.

There are other local species of mould that are potential herbicides, including a variety from Mount Doug. But someone else will have to explore those options. Prasad is through with broom for now. In recent years, funding has favored worse commercial pests.

Prasad recently put bench work aside for an administration role at the PFC.

—Reprinted from the January 19, 2005 Saanich News article by Sheila Potter

CALENDAR OF EVENTS CONTINUED from pg 21

DATE	EVENT	LOCATION	CONTACT
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	

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THINK NEWSLETTER
Deadline for July issue is June 1, 2005.

CALENDAR OF UPCOMING EVENTS

DATE	EVENT	LOCATION	CONTACT
May 10, 2005	57th International Symposium on Crop Protection	Ghent University Ghent, Belgium	Kris De Jonghe Secretary General ICSP Tel: +32 9 264 60 21 kris.dejonghe@ugent.be
June 20-23, 2005	13th Symposium of the European Weed Research Society Symposium	Villa Romanazzi Carducci Hotel Bari, Italy	Paolo Barberi Email: barberi@sss.it Tel: +39-050-883.449 Fax: +39-050-883.215 www.erwr-symposium.com
July 10-13, 2005	45th Annual Meeting of the Aquatic Plant Management Society	Hyatt Regency on the Riverwalk San Antonio, Texas	Jeff Schardt, Program Chair Tel: 850-245-2815 Email: jeff.schardt@dep.state.fl.us www.apms.org
July 12-15, 2005	American Peanut Research and Education Society (APRES) 37th Annual Meeting	Portsmouth, Virginia	
August 7-12, 2005	INTECOL/ESA Meeting Ecology of arable plants: Linking invertebrate and weed population dynamics	Montreal, Canada	http://www.esa.org/montreal/
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 < http://www.asa-cssa-sssa.org/anmeet > 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 http://grec.ifas.ufl.edu/Weed%20Science/Alam/Web%20page/ALAM01.htm
November 27-30, 2005	Canadian Weed Science Society Annual Meeting	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	

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