

# NCWSS • News

North Central Weed Science Society

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North Central  
Weed Science Society

**Please send your articles for the Summer NCWSS Newsletter to Harlene Hatterman-Valenti by May 15th**  
**Electronic Submission is preferred, send articles to [h.hatterman.valenti@ndsu.edu](mailto:h.hatterman.valenti@ndsu.edu)**

## 2007 President's Letter - "A History of NCWSS Members" - Adrian Mosses

Wow... It's 2007 already. Don't miss the opportunity to capture your weed history. Have you ever been in a book? Here's a chance to jot down your experiences (including walking to school in the snow, uphill both ways!) and paste it into our weed science memoirs. Please include some personal history about yourself and how you became interested in weed science/NCWSS. Need another reason to take some time now to submit your personal stories to the NCWSS histories?--- let's get them in print *while we can still remember them!* Our award winning colleague from Purdue, Glenn Nice, is working on a submission form on our NCWSS website. The index for logging in your stories will probably gather info like this:

| Name        | School/Location/<br>Company | Relative Dates | Title   |
|-------------|-----------------------------|----------------|---|
| Jess        | University of NE            | 1980-2007      | Weed Contest..  |
| Johnnie Rep | ISU                         | 1980-2007      | Cultivation on a Minneapolis Moline or Why I left the farm... |
| Miller      | Wyoming?                    | 1995-2007      | Why I am in ...   |



**Adrian Mosses, 2007  
NCWSS President**

The history will only be accessible to NCWSS members. It will be kept on a database, compiled, and sent out to members as a publication in the future. It may show up as a booklet at one of our banquets. I am hopeful this may be as interesting a read as the Sherlock Holmes I just finished.

### 2006 conference reflection

What a meeting in Milwaukee. How can we thank everyone enough. I would like to recognize past-president Steve Miller, Charlie Slack, and JD Green for their outstanding contributions this past year. We owe much gratitude to the board members; symposia organizers and participants; Glenn Nice; Bob Schmidt; and section chairs for an excellent job of or-

ganizing and promoting the event. Mick Holm and the WI local arrangements team were outstanding and flexed with the ever-surging enrollment as we over-flowed into three additional hotels.

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There were 373 full registrations and 261 attendees to the invasive meetings. We also had 251 people at Wednesday's banquet. The "What's New in the Industry" session was popular again and all symposia were well attended. The Tuesday night mixer was a success, thanks to the local arrangements team and all in industry who donated.

I appreciate very much that many of you volunteered for committees this year. If you aren't on a committee yet, other chances to be involved include the summer contest which will be in Iowa 2007 and Illinois 2008 (go Illini). Next year our meeting will be in St Louis with opportunities for judging posters and papers.

#### Where is the society headed?

Bill Johnson will be feverishly launching the plans for the 2007 meeting in St Louis. We are still in the process of aligning our annual meeting program to the

needs of the membership. We are also developing communication and alliance strategies with other organizations to make our meetings strong. We have reduced the number of sections in the program and there will probably be more symposia in our future meetings.

We welcome Christy Sprague, our new secretary treasurer; Karen Renner, our new CAST representative; and thank the outgoing officers, JD Green and Kassim Al-Khatib, for their leadership and organization.

It is an honor to serve as your NCWSS president. Many of the changes you called for in our surveys have already been implemented by the board and committees, including a permanent long-range planning committee. We welcome more of your suggestions to keep our society strong and relevant. ♦

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## **2006 Presidential Address: Weed Science The Changing Scene - Steven Miller**



**2006 NCWSS President - Steven Miller**

I've been honored to have served as NCWSS President over the past year and I owe a great many thanks to those of you serving as fellow officers and on the various committees that make our society work. I am especially indebted to J.D. Green, our Secretary/Treasurer who kept the society running smoothly and made

sure I did not miss any important deadlines. I also want to thank Program Chair Adrian Moses, Local Arrangements Chair Mick Holm, and the staff of the Hyatt Regency for their work to ensure a successful meeting. We also owe our corporate sponsors and sustaining members a big thank you; for without their continued support none of this would be possible.

I want to remind everyone to participate in the society mixer and Poster Session II tonight at 5:00-7:00 pm. It is a great way for the society to interact with each other and the poster presenters. Please take time to look at the poster put together by Jess Spotsanski on the 2006 NCWSS Summer Weed Contest.

Jess and Midwest Research Inc. put on an excellent contest and all student participants came away winners. For the first time we had more undergraduate than graduate student participants. Our corporate membership again stepped forward in large numbers to assist with the contest.

Besides the many excellent volunteer paper and poster presentations, the program includes four symposia: Invasive Plants of the Midwest, Mechanisms and Genetics of Glyphosate Resistance, Enhancing Weed Control through Adjuvant Technology, and What Makes a Resistant Weed Resistant.

Through the efforts of Kevin Gibson and Jerry Doll, the Midwest Invasive Plant Network (MIPN) again has associated with the NCWSS along with the Invasive Plant Association of Wisconsin (IPAW) for the symposium, paper, and workshop sessions on Wednesday and Thursday. Be sure and make them all feel welcome at our meeting.

I assumed the role of Associate Dean and Director of the Wyoming Agricultural Experiment Station a little over a year and one-half ago. Many times I neglected my North Central duties, but people like Adrian Moses, J.D. green, and Glenn Nice always bailed me out. Thanks for all your support.

Briefly, I want to discuss with you the status of our society. We currently have 497 members with approximately 65% attending this meeting. I hope

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everyone knows that anyone can be a member of our society even without attending the annual meeting each year. For only \$30 you get access to the newsletter and e-mail notices regarding events and activities of interest to you. Since 2003 we have seen a decrease in membership of over 20%. The good news is our 2006 membership exceeded that of 2005 so hopefully, we have stopped the bleeding. The current membership is comprised of 44% with academic affiliation and 56% with industry affiliation. The overall financial health of the Society remains strong.

That brings me to my topic for today, “Weed Science the Changing Scene.” I am not sure why I chose this title, but it sure sounded good when Adrian asked for it in early October. This topic has made me think about the Society, where it started, and where it is headed. Jerry Doll put together a poster on the History of NCWSS last year for the 50<sup>th</sup> Anniversary Celebration of WSSA. This year marks the 61<sup>st</sup> meeting of the NCWSS. The Society first met in Omaha, NE in 1944. Robert Anderson in his book, *The North Central Weed Control Conference: Origin and Evolution*, stated the Society was born of desperation and thrived because of necessity. The Society grew from 91 members in 1944 to over 900 members in the 90s. The early focus of the Society was on invasive deep rooted noxious weeds particularly field bindweed, Canada thistle, leafy spurge, perennial pepperweed, and quackgrass and how to integrate herbicides into management programs. Today the focus is still on invasive weeds, but we have added biotechnology and herbicide tolerant crops in the scenario.

How did we get to where we are today? It was because of the efforts of voluntary leaders who provided the time, knowledge, insight, and dedication to the Society. These members did not think of themselves as doing anything extraordinary just doing what needed to be done. Here is an incomplete list of those who have contributed to the success of the NCWSS:

|                 |                 |                  |
|-----------------|-----------------|------------------|
| Ted Yost        | Ellery Knake    | Gordon Harvey    |
| E.P. Sylvester  | William Meggitt | Alex Martin      |
| C.J. Willard    | O.C. Burnside   | Loyd Wax         |
| F.W. Slife      | J.W. DiVall     | Earl Chamberlain |
| L.G. Holm       | Will Carpenter  | Dallas Petersen  |
| J.D. Furrer     | John Nalewaja   | Alan Dexter      |
| Richard Behrens | Robert Anderson | Jerry Doll       |

I know that many in this audience will be put on the list in the next 10 to 20 years. Most importantly, you should remember that each of these individuals stepped forward when called upon. The diversity of the NCWSS is its greatest strength.

What were the original objectives of the NCWSS when they first met in 1944?

- Foster cooperation between regulatory, research, extension, and commercial interests on weed issues in the North Central states.
- Function as a clearing house for weed related information
- Assist in the development of legislation governing weeds in the North Central states
- Formulate plans for organized weed control programs

Over the years the objectives have changed little; however, the ways we try and accomplish them have changed dramatically. We have a better understanding of our science than our early predecessors and the techniques we use are more sophisticated, but we still need diversity to solve the complex problems related to weeds.

- GIS and GPS mapping
- Biotechnology
- Herbicide tolerant crops
- Precision herbicide applications
- Biological control
- Low rate applications
- Communication and teaching methods
- Weed resistance

What the future scene holds for Weed Science will be determined by you the membership. You are the future and can build on past mistakes and successes. Thank you for your attention and I hope everyone has a successful and enjoyable meeting. ◇

## New NCWSS Vice President - Mick Holm

Mick Holm was elected as the new NCWSS Vice President at the 2006 annual meeting. Mick grew up in Atwater, Minnesota and obtained a B.A. degree from Gustavus Adolphus College and a M.S. from South Dakota State University. He worked for Shell Chemical Co. in Fargo, N.D. from 1976 – 1984 and Shell Development Co. in Eden Prairie, Mn. from 1984 – 1986. He has worked for DuPont Crop Protection since 1986. He currently is a Field Development Rep for DuPont and he lives in Waukegan, Wi. He is responsible for DuPont's R & D activities in Wisconsin and Minnesota. Mick has been an active member of the NCWSS for over 20 years. He has served as a state director and was the Chairman of local arrangements for the 2006 meeting in Milwaukee.

## Extended Thanks And Congratulations

A special thank you to several individuals who have completed their term on the Board of Directors including Tom Peters (complete the Presidential rotation), JD Green (Secretary/Treasurer), Kassim Al-Khatib (CAST Rep.), Lizabeth Stahl (Extension), Christopher Schuster (Graduate Students), Brent Peterson (Industry) Jeff Stachler (Resident Education), Michael Crostser (Research and Publications), and Brien Henry, Dennis Belcher, Helen Flanigan, Dave Vos, and Glen Murphy (State Directors).

Congratulations to newly elected officers including Mick Holm (Vice President), Christy Sprague (Secretary/Treasurer), Karen Renner (CAST Rep.), Kevin Bradley (Extension), Joe Armstrong (Graduate Students), Dave Nicolai (Resident Education), John Hinz (Industry), and Michael Edwards, Reid Smeda, Bruce Maddy, Terence Carmody, and Joseph Masabni (State Directors).

## Announcing the Location For the 2007 Weed Science Contest

Dave Bennett of Bennett Ag Research Corp. will be hosting the 2007 NCWSS Weed Science Contest. The contest will be on Thursday, July 19, 2007 with arrival and orientation on Wednesday July 18, 2007. Bennett Ag is located in the southeast corner of Iowa near the town of Richland in Keokuk County. Information will be available on the Weed Contest link of the [ncwss.org](http://ncwss.org) web-site as it becomes available. Contact Tate Castillo of Bennett Ag Research Corp. for other questions:



## NCWSS Weed Contest 2006 Farmer Problems

Here is a brief synopsis of each of the farmer problems used during the contest. There were two problems created for the first round of the contest; one for graduate students and one for undergraduates. Two additional problems were utilized for the finalist round to determine the winners of each the graduate and undergraduate divisions.

### **Graduate Problem**

**Scenario:** Corn field with some rows of stunted corn.

**Background:** Corn is currently 24-26 inches tall and had been sprayed with Steadfast at 0.75 oz/a about 10 days prior. The farmer began to notice occasional rows of stunted corn appearing in the field and is blaming the Steadfast for injuring his corn. There are also some pigweed escapes that are about 8-10" tall. The farmer had planted rootworm Bt corn in this field.

**Cause:** Farmer had been using Counter 20CR in a previous corn field for an in-furrow rootworm control and failed to shut off one row of his 8 row planter. The interaction of the Steadfast and Counter shows classic SU-OP symptomology. The escaped pigweeds are possible ALS resistant as they survived a full dose of the Steadfast.

**Recommendation:** Corn plants may grow out of injury but will probably have some yield reduction. Next year the farmer needs to make sure no OP insecticide is applied where he wants to use an SU herbicide. To control the pigweeds he should come back with a post product that is non-ALS or could use cultivation.



**Graduate Problem: Interaction of Steadfast and Counter**

### **Undergraduate Problem:**

**Scenario:** Grain sorghum field with poor weed control. Weeds include foxtails, pigweeds and velvetleaf and are all about 4-6" tall.

**Background:** Sorghum is about 10-12 inches tall and about 3 weeks after planting. Aatrex 4L at 1.5 qt/a was applied on April 1 in anticipation of planting corn on or about April 15. Due to excessive rainfall, corn planting became delayed and eventually was abandoned in June when he switched to planting sorghum. Farmer blames Aatrex for being a weak herbicide.

**Cause:** The herbicide ran out of "gas" and no longer could control emerging weeds.

**Recommendation:** The farmer could use a post herbicide product such as Paramount + atrazine either by itself or in combination with cultivation.



**Undergraduate Problem: Poor Control in Sorghum**

### **Graduate Problem-Finalist Round**

**Scenario:** Sugarbeet field with poor stand.

**Background:** Sugarbeets are about four inches tall. Grower had applied Dual II Magnum at 1.1 pts/a while planting and believes this is what is causing the poor stand of beets. Previous crop was soybeans.

**Cause:** Farmer had applied Authority to the previous soybean crop but to only half of the field. The area where the beets are thin is where the Authority was applied. Authority has an 18 month rotation restriction when planting sugarbeets.

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## NCWSS Weed Contest 2006 Farmer Problems

**Recommendation:** Farmer should leave field as is but will realize a yield loss and he needs to control the emerged weeds. Next time he needs to be more aware of rotation restrictions when planting sugarbeets.



**Graduate Problem Finalist Round: Spartan Carryover in Sugarbeets**

**Cause:** The Liberty should have been applied at a higher rate due to the weed size at application. The farmer also did not put any additives in the tank, such as AMS, which would increase control of velvetleaf. The dy-



**Undergraduate Problem - Finalist Round: Poor Control in Sorghum**

### **Undergraduate Problem-Finalist Round**

**Scenario:** Corn field with poor velvetleaf control and some dead corn.

**Background:** Corn is about 24 inches tall and velvetleaf is about 12-14 inches tall. Grower applied Liberty at 28 oz/a about 14 days prior. The velvetleaf is showing signs of herbicide activity but mostly growing out of it. Grower is concerned that so much of his corn is dying because of the Liberty and isn't happy with the weed control.

ing corn is from the natural selection Liberty exerts in LL corn.

**Recommendation:** The farmer could use cultivation to control weed escapes or try another post product that would be good on velvetleaf as soon as possible. The dead corn was only about 1-2% of the field which is the normal tolerance for Liberty. This amount is much less than the farmer had thought, so he can stop worrying. Next year he needs to pay closer attention to the product label to ensure adequate weed control.

**For a list of teams participating and awards in 2006 see the 2006 NCWSS Fall Newsletter at [www.ncwss.org](http://www.ncwss.org)**





**Lee Van Wychen, Director of Science Policy**

### **DEMOCRAT TAKEOVER IN HOUSE AND SENATE WILL INFLUENCE AGRICULTURE, ENVIRONMENT, AND SCIENCE AGENDA DURING THE 110TH CONGRESS**

The November elections brought forth the largest “power shift” in DC in over a decade. The Democrats gained 30 House seats for a total of 233 compared to 202 seats for the Republicans. The Senate Democrats gained 6 seats, counting two Independents who will caucus with the party, giving the Democrats a 51-49 edge. Like the 1994 Republican’s “Contract With America,” the Democrats have outlined their “first 100 hours” agenda, which includes priorities like raising the minimum wage, cutting interest rates on student loans, and increasing energy efficiency and renewable fuels production. In their first week of the 110<sup>th</sup> Congress, the House Democrats have already managed to pass bills to raise the minimum wage and lifting the ban on stem cell research. Still, the Democrats’ capacity to get legislation enacted will remain limited, owing both to the procedural rules of the Senate (e.g., the filibuster),

and to the president’s veto power. Thus, the Democrats’ greatest leverage will come through their control of committees, where they will have the power to conduct any hearings or investigations they wish, whether focused on legislative priorities or oversight.

For weed scientists, that will mean dealing with a combination of some old faces returning to key committees and new ones taking the reins. And although all these politicians have track records, even the pundits admit that it's too early to predict which issues will dominate the next 2 years, let alone how successful the Democrats will be in working with President Bush. One thing is for certain, Chairman and committee staff in both the House and Senate have changed.

#### **Senate Agriculture Committee:**

Tom Harkin (D-IA) has taken over the committee gavel from Saxby Chambliss (R-GA). Sen. Harkin is more interested in trying to strike a balance between competing demands from commodity groups that want continued government subsidies and environmentalists who want more money for conservation and renewable energy incentives. It will be the second time Harkin has been chairman during a reauthorization of the Farm Bill.

In Harkin’s Iowa, corn and soybean production rule, and he will continue to support commodity crop subsidies. At the same time, Harkin is the creator of the Conservation Security Program (CSP) in the 2002 Farm Bill which pays farmers for following specific land and water conservation practices. The WSSA will advocate for more stringent standards regarding noxious weed control requirements

within many of the federal conservation programs such as CRP and CSP.

There are three new members of the Senate Ag Committee with all three being newly elected Democratic senators - Sherrod Brown of **Ohio**, Bob Casey of **Pennsylvania** and Amy Klobuchar of **Minnesota**. The 18 other Senators on the Ag Committee continue as committee members in the 110<sup>th</sup> Congress. Democrats are Tom Harkin, **Iowa** (Chairman); Patrick J. Leahy, **Vermont**; Kent Conrad, **North Dakota**; Max Baucus, **Montana**; Blanche Lincoln, **Arkansas**; Debbie Stabenow, **Michigan**; Ben Nelson, **Nebraska**; and Ken Salazar, **Colorado**. Republicans are Saxby Chambliss, **Georgia**; Richard G. Lugar, **Indiana**; Thad Cochran, **Mississippi**; Mitch McConnell, **Kentucky**; Pat Roberts, **Kansas**; Lindsey Graham, **South Carolina**; Norm Coleman, **Minnesota**; Michael D. Crapo, **Idaho**; John Thune, **South Dakota**; and Charles E. Grassley, **Iowa**.

#### **House Agriculture Committee:**

Collin C. Peterson (D-MN) will lead the House Agriculture Committee through next year’s rewrite of the 2002 Farm Bill. In the past year, Peterson’s initial plan was to seek a simple extension of the 2002 law. After the November elections and a meeting with USDA Secretary Johanns, the Minnesotan now says some parts are worth revamping such as increasing support for the energy and renewable fuels Title in the 2002 law and adding a disaster relief Title.

The 'Blue Dog' Democrat says energy independence will be the most important aspect of the new Farm Bill which will also allow the Farm Bill writers to build new coalitions

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with urban members. This is akin to the food stamp and nutrition assistance programs used to sell past farm bills to urban Congressional members. Since renewable fuels research will be a hot topic for years, if not decades to come, it may be time for weed scientists to take a serious look at the feasibility of using weed biomass for cellulosic ethanol production.

As for ag research funding, the proposal for the National Institute of Food and Agriculture (**NIFA**) lost two major supporters to the election with the defeat of Rep. Gil Gutknecht (R-MN) and Sen. Jim Talent (R-MO). NIFA would increase funds available for food and agriculture (ag, consistent throughout newsletter) research in addition to the current available resources at USDA-ARS and CSREES through a competitively awarded grant program similar to that conducted through the National Institute of Health (NIH) and the National Science Foundation (NSF). You'll be hearing much more about this and the **CREATE-21** proposal in upcoming newsletters. CREATE-21 is an acronym for Creating Research, Extension, and Teaching Excellence for the 21st Century and is a proposal being advocated for by the National Association of State Universities and Land-Grant Colleges (NASULGC). The CREATE-21 proposal calls for the reorganization of USDA's Research, Education, and Economics (REE) program area (and Forest Service R&D) within a new National Institute in order to enhance the integration, efficiency, and flexibility of programmatic efforts. Some people within the DC Beltway refer to CREATE-21 as "**NIFA +**" because CREATE-21 contains all the major elements of the NIFA proposal + the reorganization of USDA-REE and if fully funded would shift the ratio of ag

research "Capacity/Competitive" funding from 90/10 to 58/42 over 7 years while also increasing "Capacity" funding by 29% during that same time frame.

While the House Committee assignments have not been finalized, Rep. Peterson has indicated that a reorganization of the current five subcommittees under the House Ag Committee might be coming to provide more oversight of USDA programs and activities. As of January 11, we know of at least four newly elected Representatives that will serve on the House Ag Committee. They are Tim Walz (D) **Minnesota**; Adrian Smith (R) **Nebraska**; Kevin McCarthy (R) **California**; and Tim Walberg (R) **Michigan**.

### **Senate Environment and Public Works Committee:**

Few panels would see a more drastic change of focus. With the retirement of James M. Jeffords (I-VT), Barbara Boxer (D-CA) would take the gavel from James Inhofe (R-OK). Boxer and Inhofe have been known to "disagree" on many issues under the Committee's jurisdiction. At oversight hearings, Inhofe has strongly supported the Bush Administration's approach to pollution control while Boxer has felt that the Bush administration has made efforts to roll back bedrock environmental safeguards.

Prior to the Thanksgiving break, Boxer named the chairmen of the panel's six subcommittees and laid out an ambitious agenda with a focus on global warming. Under Boxer's direction, the committee is expected to undergo a sharp change in both substance and style. Earlier in November, outgoing chairman Inhofe published "A skeptic's guide to debunking global warming alarmism," a compen-

dium of his Senate speeches and press releases titled "Hot and Cold Media Spin Cycle: a challenge to journalists who cover global warming." Meanwhile, Boxer's state is leading the nation in efforts to combat global warming, enacting a law in August calling for a 25 percent reduction in state CO2 emissions by 2020.

The new Senate Environment and Public Works (EPW) subcommittee lineup underlines Boxer's focus on global warming. She will chair a newly named panel on Public Sector Solutions to Global Warming, Oversight, Children's Health Protection and Nuclear Safety. Meanwhile, Sen. Lieberman (D-CT), recently re-elected as an independent, will chair a subcommittee on Private Sector and Consumer Solutions to Global Warming and Wildlife Protection.

Regardless of your political persuasion on global warming, Sen. Boxer has been a strong supporter of invasive species management and research in the past, particularly aquatic invasive species. She has supported legislation such as the Ballast Water Management Act of 2005 that amends the Nonindigenous Aquatic Invasive Species Prevention and Control Act of 1990 to revise certain aquatic invasive species prevention requirements and set forth protocols for the early detection and monitoring of recently established aquatic invasive species in U.S. waters. Boxer's home state of California has also been a leader on invasive plant management initiatives. There should be many opportunities for WSSA members from California to build and cultivate a stronger relationship with Sen. Boxer and her staff.

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There will be 4 new Senators on the 19 member EPW Committee, all newly Democrats. They are Benjamin L. Cardin, **Maryland**; Amy Klobuchar, **Minnesota**; Sheldon Whitehouse, **Rhode Island**; and Bernard Sanders, **Vermont** (Independent).

### **House Natural Resources Committee (Formerly House Resources):**

Incoming House Natural Resources Chairman Nick J. Rahall (WV) has received official approval for his committee's new moniker, which was the name used under the last Democratic chairman, Rep. George Miller of California. The return of the word "Natural" to the committee title became official on January 4 when the House adopted its initial rules package.

At a December press conference, Rahall said he planned to recombine the National Parks Subcommittee with the Forests and Forest Health Subcommittee — re-creating the National Parks, Forests and Public Lands Subcommittee as it had functioned under previous Democratic chairmen.

He also plans to create a separate Insular Affairs panel, and according to the committee's newly launched Web site, "Wildlife" will be back in the title of another panel: the Subcommittee on Fisheries, Wildlife, and Oceans. When the panel recently was renamed Fisheries and Oceans, many observers considered it a slap at then-Subcommittee Chairman Wayne T. Gilchrest of Maryland. Gilchrest was often at odds with former full committee Chairman Richard W. Pombo on endangered species issues.

Rahall's agenda will probably be a dramatic departure from that of

Pombo, a California rancher who fought to loosen environmental laws and protect private property rights. Pombo tried repeatedly to rewrite the Endangered Species Act, where he fought to ease its mandates by guiding the Threatened and Endangered Species Recovery Act (TESRA) through the House in 2005 before it stalled in the Senate. Rahall argues that more money is needed for federal agencies to fulfill their responsibilities under the law, but he does not favor a complete overhaul.

Likewise, Pombo and other critics of the National Environmental Policy Act (NEPA), which requires federal agencies to assess and minimize environmental impacts of major projects, have characterized that law as burdensome and antiquated. Rahall, however, says the law might need some "tinkering around the edges" but generally has been effective.

While the Democratic Steering and Policy Committee has not yet filled the majority roster for the House Natural Resources Committee, the Republican Conference Committee has ratified panel membership for 3 newly elected members. They are Dean Heller, **Nevada**; Bill Sali, **Idaho**, and Doug Lamborn, **Colorado**. There are also 2 incumbent Republicans new to the House Natural Resources Committee: Bill Shuster, **Pennsylvania** and Tom Cole, **Oklahoma**.

### **House Science and Technology Committee:**

Chairman Bart Gordon (D-TN) began his tenure as a House Committee Chairman with the announcement of a new name for the Committee, a new website and an overview of action areas that will comprise an ambitious agenda for the 110th Congress. The House Rules

Package (H.Res. 6) passed on January 4<sup>th</sup> changes the Committee's name from the Committee on Science to the Committee on Science and Technology. This name change brings the Committee back to its roots to more accurately reflect its broad jurisdiction in the areas of science, research and technology.

Gordon shares many of the same interests as his predecessor, retiring Rep. Sherwood Boehlert (R-NY). That list includes increasing spending on science, improving U.S. science and math education, developing new energy technologies to reduce the country's dependence on foreign oil, and ensuring that government scientists are free to disseminate their results. Gordon says that legislation to boost U.S. competitiveness will be a priority for Democrats and that he also expects the panel to take up a reauthorization of programs at NSF.

### **House Appropriations Committees:**

The number of House Appropriations subcommittees is expanding from 10 in the 109th Congress to 12, and two former cardinals were defeated Nov. 7 — Republicans Charles H. Taylor of North Carolina, who chaired Interior, and Henry Bonilla of Texas, who chaired Agriculture will mean that those two very important appropriations subcommittees for the weed science societies will have new ranking members on the Republican side.

Rep. David Obey (D) from **Wisconsin** will chair the full House Appropriations Committee and Jerry Lewis (R) from **California** will be the ranking member. The new Chairwoman for the Subcommittee on Agriculture, Rural Devel-

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opment, Food and Drug Administration, and Related Agencies is Rosa L. DeLauro (D) from **Connecticut**. She is likely to make food safety a priority, including improved enforcement of food safety laws and surveillance for bovine spongiform encephalopathy, or mad cow disease. The ranking member of the House Ag Approps Subcommittee is likely to be Jack Kingston (R) from **Georgia**. The House Interior-Environment Appropriations Subcommittee Chairman is Norm Dicks (D) from **Washington** and the ranking member will likely be Todd Tiahrt (R) from **Kansas**. Peter J. Visclosky from Indiana is expected to chair the House Approps Subcommittee on Energy and Water Development with David Hobson (R) from **Ohio** serving as the ranking member. Allan Mollohan (D) from **West Virginia** will chair the House Appropriations Subcommittee for Science and related agencies and Rodney Frelinghuysen (R) from **New Jersey** is expected to be the ranking member.

### Senate Appropriations Committees:

On the Senate side, Robert Byrd (D) from **West Virginia**, the most senior member in the Senate, will take over the chairmanship of the appropriations committee from Thad Cochran (R) **Mississippi**. In addition to serving as the ranking member of the full committee, which he chaired in the 109th Congress, Sen. Cochran will be ranking member of the Homeland Security panel, a slot he had relinquished in the last Congress when the number of subcommittees was reduced from 13 to 12. He will pair with Chairman Byrd on both the full committee and the subcommittee.

Senator Herb Kohl (D) of **Wisconsin** will chair the Senate Ag Appropriations Subcommittee and

Robert F. Bennett (R) of **Utah** is now the ranking member. Diane Fienstein (D) from **California** will chair the Senate Appropriations subcommittee for Interior-Environment and Larry E. Craig (R) of **Idaho**, will be the ranking Republican, filling a vacancy created by the defeat of Conrad Burns from Montana. Craig did not hold a subcommittee gavel last year, but has been a strong supporter of the weed science societies in the past.

Byron L. Dorgan (D) from **North Dakota** will chair the Senate Appropriations Subcommittee on Energy and Water and Pete V. Domenici (R) of **New Mexico** will be the ranking Republican. Finally, Barbara A. Mikulski (D) from **Maryland** will chair the Senate Approps subcommittee for Commerce, Justice and Science and Richard C. Shelby of **Alabama** will take the top GOP slot.

### PRESIDENT BUSH SIGNS SALT CEDAR AND RUSSIAN OLIVE CONTROL BILL IN TO LAW

On October 11, 2006, President Bush signed the Salt Cedar and Russian Olive Control Demonstration Act (**SCROCDA**) into law. Since we are short on acronyms here in DC, **SCROCDA** should be a worthwhile acronym for those of you west of the Mississippi River to get to know.

The bill (**SCROCDA**) directs Interior Secretary Dirk Kempthorne acting through the Commissioner of Reclamation and the Director of the U.S. Geological Survey to disburse \$80 million over 5 years (FY 2006-2010) to carry out a salt cedar (*Tamarix spp*) and Russian olive (*Elaeagnus angustifolia*) assessment and demonstration program. Since FY 2006 is already gone and FY 2007 appropriations

should have been approved by Oct. 1, 2006, only 3 fiscal years of this bill remain in play for all practical purposes. Under **SCROCDA**, FY 2008-2010 are authorized at \$15 million per year.

This legislation has three major components: (1) assess the current extent of the infestation by salt cedar and Russian olive trees in the western United States; (2) demonstrate strategic solutions for the long-term management of such trees and the reestablishment of native vegetation; and (3) assess economic means to dispose of biomass created as a result of removal of tamarisk and Russian olive trees. A majority of the authorized appropriations will be designated for Phase 2, the demonstration and long term management and research projects. This legislation has many proponents and more details will be forthcoming. The National and Regional Weed Science Societies will be circulating a letter of support for **SCROCDA** appropriations in the near future.

### WSSA SUBMITS COMMENTS ON MSMA REREGISTRATION BY EPA

In August 2006, the EPA said it would not reregister the organic arsenical herbicides, in particular MSMA. Many WSSA members feel that MSMA is a critical weed management tool in cotton, turf, roadside weed, and herbicide resistance management, especially in southern cropping systems. The EPA offered a public comment period for concerns and objections that ended on November 11, 2006 and the WSSA submitted the following selected comments:

“The registration of MSMA is critical to maintaining safe and economically viable weed management

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options in cotton and turf production systems. A variety of treatments or techniques must be available for management of weeds in these systems. By eliminating MSMA as a weed management control option, the economic integrity of these production and management situations will be severely degraded. MSMA needs to remain as a critical weed resistance management option, plus it is the only control option for several widespread and problematic grass weeds in turf..... The EPA's primary concern with using organic arsenical herbicides is the potential for applied organic arsenical products to transform to a more toxic inorganic form of arsenic in soil with subsequent transport to drinking water. Yet, the EPA Office of Ground Water and Drinking Water states that arsenic occurs naturally in rocks and soil, water, air, and plants and animals. It can be further released into the environment through natural activities such as volcanic action, erosion of rocks and forest fires, or through human actions. Approximately 90 percent of industrial arsenic in the U.S. is currently used as a wood preservative, but arsenic is also used in paints, dyes, metals, drugs, soaps and semiconductors. High arsenic levels can also come from certain fertilizers and animal feeding operations. The WSSA is not aware of the increased exposure of arsenic to the U.S. population from MSMA derivatives. If EPA has conclusive data indicating otherwise, the WSSA would be very appreciative in learning this..... Given the depth of expertise available with the WSSA, we believe we can help the EPA with all manner of questions relative to assessment of the reregistration of MSMA. This expertise includes understanding the scope of data included in the reregistration packages submitted to EPA, herbicide modes of action, environ-

mental mobility, non-target risks, use limitations, potential persistence and selectivity, and comparative efficacy. Given this expertise we would like to participate in any efforts to develop such a protocol for re-evaluating the reregistration of MSMA.

### **VAN WYCHEN ATTENDS 2006 ANNUAL MEETING OF THE ASSOCIATION OF FISH AND WILDLIFE AGENCIES**

The Association of Fish and Wildlife Agencies (AFWA) annual meeting was held September 17-22 Aspen, CO. AFWA represents all of North America's fish and wildlife agencies - promoting sound management and conservation, speaking with a unified voice on important fish and wildlife issues. My primary goal was to establish and build relationships and identify areas of common interest shared by WSSA and AFWA on invasive plant issues. AFWA considers invasive plants as one of the greatest challenges to wildlife and fisheries management in the 21st century.

In 2005, AFWA established an Invasive Species Committee to provide a national forum for coordinated action among state and federal agencies, and provide a foundation for development of a strategic AFWA invasive species plan. Federal land management agencies commit millions of dollars to fighting invasive species challenges, and strategic coordination among state and federal agencies is critical to the conservation and expansion of existing wildlife and fisheries habitat. The WSSA plans to continue this initiative during National Invasive Weed Awareness Week by helping coordinate a joint session between the Federal Interagency Committee for the Management of Noxious and Exotic Weeds and

AFWA. For more information about the AFWA Invasives Species Committee or to become a member, please contact Amber Pairis at 202-624-7890 or [apairis@fishwildlife.org](mailto:apairis@fishwildlife.org).

### **GLYPHOSATE-RESISTANT MARESTAIL CONFIRMED IN NEBRASKA**

WSSA members Alex Martin and Stevan Knezevic with the University of Nebraska confirmed the first glyphosate-resistant weed species in Nebraska - marestail, also known as horseweed. They first suspected resistance had developed almost a year ago, but it took tests and growing plants from last year's seeds to confirm it. Prior to the introduction of glyphosate-tolerant crops only a few weed species (e.g. ryegrass and goosegrass) had developed resistance to glyphosate worldwide. However, the number of glyphosate-resistant weeds tripled in just over eight years of repeated glyphosate use over a large land area (over 50 million acres). Current examples of glyphosate-resistant weeds in the U.S. include waterhemp, lambsquarters, giant ragweed, common ragweed, palmer amaranth and marestail (horseweed).

### **EPA ISSUES FINAL RULE ON AQUATIC PESTICIDE APPLI- CATIONS**

On November 21, 2006, the EPA issued a final rule clarifying two specific circumstances in which a Clean Water Act (CWA) permit is not required before pesticides are applied. This rule represents efforts by EPA over the past five years through consultations with numerous stakeholders and two public comment periods. The final

*Continued on Next Page*

rule states that CWA permits are not required to apply pesticides directly to water to control pests, including mosquito larvae, aquatic weeds and other pests in the water nor when pesticides are applied to control pests that are present over or near water where a portion of the pesticide will unavoidably be deposited to the water in order to target the pests effectively.

The rule reinforces and clarifies the authority set forth in the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). Before a herbicide is registered, it must undergo extensive study and review to help ensure that it does not cause unreasonable adverse effects on human health and the environment, which includes herbicide applications directly to or near a body of water. The final rule will become effective on January 26, 2007. However, the implications of the rule on pending Region IX circuit court cases are unknown at this time. For more information: [http://cfpub.epa.gov/npdes/home.cfm?program\\_id=41#water\\_transfer](http://cfpub.epa.gov/npdes/home.cfm?program_id=41#water_transfer)

### GUIDANCE ON PESTICIDE PRODUCT WARRANTY STATEMENTS AVAILABLE

Most, if not all, pesticide labels contain some type of warranty disclaimer language. EPA's Office of Pesticide Programs (OPP) has posted on its Web site a document that provides a discussion and examples of warranty statements for pesticide products that the agency considers either acceptable or unacceptable. OPP is aware that some warranty disclaimer statements may contain potentially false or misleading language, or words and phrases that are in some way objectionable. Additionally, OPP is frequently asked by applicants/registrants about warranty disclaimer language they wish to place

on pesticide labels. Therefore, OPP is posting on its web site the agency's guidance on warranty statements.

There are four types of label language associated with warranty disclaimers, and statements of limitations of liability that the Agency has found to be unacceptable under statutory and regulatory standards. It is important to recognize that these statements must be assessed on a case-by-case basis. Following are examples of statements that have been found unacceptable:

- Overly broad statements negating or detracting from the Directions for Use or other label language (including precautionary statements and directions for use). For instance, the warranty statement that the product may not work would negate Directions for Use that explained how the product was to be used.
- Label language asserting that the buyer has accepted the manufacturer's statement of his/her respective rights (e.g., manufacturer states buyer's rights are extremely limited or require a specific process to be realized). Because these statements are almost always incomplete (in terms of fully explaining a buyer's rights in the jurisdiction (state) of purchaser and because they can mislead buyers into thinking that they have no legal remedy, they may constitute "misbranding" under FIFRA.
- Overly broad language implying the buyer has no legal right to recover damages from manufacturer (e.g., "all such risks shall be assumed by the buyer").

- Because Experimental Use Permit (EUP) labels must be used in strict accordance with the EUP program, the warranty on EUP labels may not disclaim control over use.

For more information: <http://www.epa.gov/pesticides/regulating/labels/warranty.pdf>

### USDA-APHIS LISTS SOUTH AFRICAN RAGWORT AND MADAGASCAR RAGWORT AS NOXIOUS WEEDS

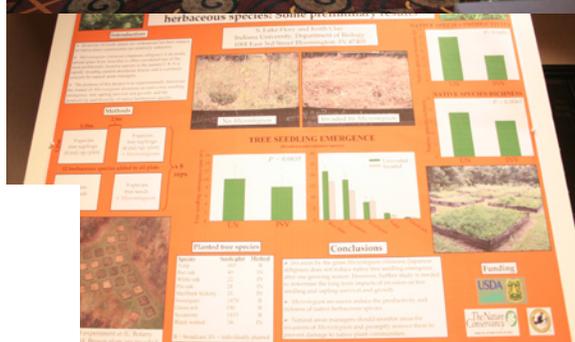
The USDA Animal and Plant Health Inspection Service (APHIS) has amended the noxious weed and imported seed regulations by adding South African ragwort (*Senecio inaequidens DC.*) and Madagascar ragwort (*Senecio madagascariensis Poir.*) to the list of terrestrial noxious weeds and to the list of seeds with no tolerances applicable to their introduction. The final rule was adopted on October 5, 2006 and was necessary to prevent the artificial spread of these noxious weeds into the U.S. For more information, contact WSSA member Dr. Al Tasker, Noxious Weeds Program Coordinator, Invasive Species and Pest Management, at 301-734-5225.

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# 2006 Annual Meeting



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## NCWSS 2007 Officers

- From Left to Right:
- Christy Sprague - Secretary / Treasurer
  - Harlene Hatterman-Valenti -  
Electronic Communications Editor
  - Steven Miller - Past President
  - Adrian Mosses - President
  - Bill Johnson - President Elect
  - Anita Dillie - WSSA Rep.
  - Karen Renner - CAST Rep.
  - Robert Schmidt - Executive Secretary
  - Mick Holm - Vice President (missing)
  - Robert Hartzler - Editor Proceedings  
(missing)
  - Lee Van Wychen - Dir. Science Policy  
(missing)



## Distinguished Service Awards

**Award for Service** requires outstanding and creative contribution in service or leadership in activities that bring significant, important change to weed science.

**Glenn Nice** has served the discipline of weed science by developing and maintaining various electronic media for visualizing content. Glenn received his B.S. degree in biology from the University of Winnipeg and a M.S. degree in agronomy specializing in weed science from Mississippi State University. Glenn has been employed as a Weed Science Extension Specialist at Purdue University since 2001. Glenn is responsible for several weed science extension activities including maintenance of the Purdue Weed Science Webpage, annual updates to the Weed Control Guide for Ohio and Indiana, WebSOFT and Indiana Select-A-Herb, development of weed science extension publications and newsletters, presentations and identification of plant and herbicide injury samples.

Glenn has been responsible for collecting presentations at the annual conference and building the individual programs for each section on CD for the section chairs to use during the program and working with the local arrangements committee to provide computer support during the conference. Glenn was instrumental in

the development and maintenance of the NCWSS ListServ. Glenn worked with local computer support at Purdue University to develop the technique for committee and members to communicate electronically. He continually maintains the listserv by updating the committee and member lists. Glenn has also influenced design and improvement of the NCWSS webpage, layout of the newsletter, electronic submission of titles and online registration.

**Education** recognizes outstanding educational achievements in weed science. Principal criteria

include innovative or unique approaches that result in learning, ability to clearly communicate ideas, motivation of the intended audience and recognition of accomplishments by peers and the intended audience.

**Richard Zollinger** completed his B.S and M.S. degrees from Utah State University and his Ph.D. from Michigan State University. Rich was weed science trainer, lecturer and development specialist with Agri-Growth Research, Inc. from 1989 to 1990. He has been an extension weed scientist at North Dakota State University since 1990; he was promoted to Associate Professor in 1997 and was recently promoted to Professor.

Dr. Zollinger is widely respected for his expertise in many aspects of weed management systems. His insight and advice are sought by a diverse clientele to whom he communicates useful, cutting-edge information on herbicide performance, herbicide-

resistant crop and weeds, herbicide injury diagnostics, integrated weed management strategies, environmental impacts of weed management and weed biology and ecology. In the past eight years, Richard has made on average 116 presentations that have reached nearly 24,100 ag-professional and growers. He has been prolific in written work and media development; since



**Achievement Awards: From Left to Right, Glenn Nice, Dean Riechers, Christy Shropshire, John Hinz, and Richard Zollinger.**

1988 Rich has authored or co-authored six journal articles, two book chapters, 74 professional abstracts or proceedings, 74 professional research report articles, 477 research reports for the North Dakota research report and 50 extension circulators or bulletins. Finally, Rich has contributed to 267 magazine articles.

What are the other attributes of a good educator? Nominator Hatterman-Valenti suggested those who successfully work towards accomplishing the mission of the land grant institution. That is, individuals who work with people in their communities to solve problems and improve their lives.

## Distinguished Service Awards

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Harlene indicated that this typifies Zollinger's work with growers in North Dakota. Zollinger accomplishes this mission through his use of leadership and communication skills that enable him to facilitate and to network. He is open and receptive to new ideas/approaches. He quickly adjusts to changing situations and demands and can handle a multitude of tasks simultaneously. Rich has embraced the use of computer technology to enhance his ability to reach his audiences and to expand the arsenal of teaching tools to address the varied learning styles represented in an audience.

Dr. Zollinger has a strong record of professional service. He has served on numerous committees in NCWSS, WSWS and WSSA. He is a consistent contributor to the NCWSS annual meeting. Rich was symposium chair and moderator in 2003 and has been judge for the paper contest and Master of Ceremonies for the banquet on numerous occasions. Rich's professional accomplishments have led to numerous awards. In 2001, he received the WSSA Outstanding Extension Award.

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**Industry Achievement Award** recipients must meet the basic guidelines in the education, research or service categories and have made significant contributions to weed science within the industry.

**John Hinz** completed his M.S. and Ph.D. degrees from Iowa State University. John accepted a Field Development Specialist position with Bayer CropScience in Iowa in 1998 after working two years as Assistant Professor, Weed Science at West Virginia University. John's performance has met and exceeded the criteria for a service award. As a scientist, John has a reputation for precise and accurate field research. As a representative of his company, John conducts himself in a highly credible manner.

John is highly respected within the Bayer CropScience, at universities and by related agricultural industries. John's insights, dedication to excellence and analytical abilities have helped keep Bayer CropSciences' development processes on track. John looks at new products from the practical standpoint of how they will be used by a grower, analyzes the data deficiencies and asks the important questions that need to be answered before a product reaches the marketplace.

John has been active in the North Central Weed Science Society both as a graduate student and in his current position with Bayer CropScience. John has presented scientific papers at numerous meetings. In addition to serving on several society committees, John has been an active volunteer with the Summer Collegiate Weed Science Contest.

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**Professional Staff** Award recognizes outstanding and sustained contributions in support of weed science activities in the North Central region.

**Christy Shropshire** completed her B.S. degree in biology from McMaster University and her M.S. degree in Crop Science from the University of Guelph. She has been employed by the University of Guelph as Weed Management Technician since 1998. Christy conducts a large field program on weed management in corn, soybean and dry bean. She also developed and helps maintain the University of Guelph, Ridgetown Campus weed science web-page.

Christy is instrumental to the success of the field program at Ridgetown Campus. Christy is highly regarded by her co-workers and industry cooperators for her ability to conduct a large field research program and disseminate results in a timely manner. Christy is involved in every aspect of the research program including review of protocols, development of spray and data collection schedules, entry of data in the appropriate data analysis software and preparation of the final report. In addition, Christy is responsible for land preparation, application of fertilizer, planting and appropriate pest management.

Chemical company and other cooperators from allied industries report that adherence to a protocol is the most important component of a successful project. Christy has demonstrated the ability to ask questions, conduct the trial and deliver the results on time, according to protocol.

Christy is coauthor of 28 manuscripts that have been published or are in various stages of review, coauthor of five popular press articles and coauthor of 11 posters that have been presented at various conferences.

## Distinguished Service Awards

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**Young Scientist Award** is given to members who fulfill the requirements to qualify for the education, research or service award categories and have received their terminal degree no more than ten years before receiving this award.

**Dr. Dean Riechers** completed his M.S. degree at the University of Illinois and his Ph.D. at Washington State University. Dean has been a Weed Physiologist at the University of Illinois since 1999; he was promoted to Associate Professor in 2005. Dean is one of the few weed scientists left whose research program is focused on herbicide physiology. With industry consolidation and few new herbicides entering the market, this is an area where it is increasingly difficult to generate funding and sustain a viable research program. Nevertheless, using his creativity and knowledge, Dean has managed to build not just a viable program, but a thriving research program in this area.

**Research.** Dean has an innovative program investigating glutathione-s-transferases in plants and the influences herbicide safeners have in triggering certain GST genes that function to safen plant responses to herbicides. This research has involved molecular and biochemical approaches and has led to new information regarding GSTs in plants. The impact of Dean's research involving molecular and biochemical approaches for addressing weed and crop responses to herbicides and safeners has been significant. Dean clearly is a leader in this important area of research. His resume is impressive with 26 papers published, a book chapter and numerous invited lectures. Dean has been principle or co-principle investigator on grants totaling nearly two million dollars.

**Education.** Dean is a dedicated and gifted instructor. He is routinely among the teachers rated as excellent by their students and has received numerous teaching awards. He received the University of Illinois 'College Faculty Award for Teaching Excellence' which is presented to only one faculty member each year. Dean instills upon his students his attention to detail and scientific scrutiny. He has trained two MS and four PhD weed science students at the University of Illinois. Although he does not hold a formal extension appointment, Dean enthusiastically welcomes opportunities to extend his basic research findings to his agricultural clientele.

**Service.** Dr. Riechers has been a faithful and

ardent supporter of professional societies including the NCWSS, WSSA and WSWS. Dean routinely presents his results at these forums. In addition, he has chaired several sections in national and regional meetings, has been a judge for the NCWSS paper and poster contest. Dean currently is chair of the WSSA Research committee. This committee is vital to the WSSA and the regional societies because it deals with the future research needs in weed science and in how to fund that research. ♦

## NCWSS Fellows

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**Fellows Bernard H. Zandstra (left) and Jim Martin (right)**

Recipients have made significant contributions to the North Central Weed Science Society and the Weed Science discipline.

### **James R. Martin**

Dr. James R. Martin attended Ohio State University where he received his B.S. and M.S. degrees. He obtained his Ph.D. degree in 1978 from the University of Kentucky and began his professional

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## Fellows

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career at Virginia Tech. Dr. Martin has been an Extension Professor at the University of Kentucky's West Kentucky Research and Education Center since 1979. Jim has had a productive career evaluating and discussing weed management problems that impact crop producers in Kentucky and surrounding states. His research has focused on weed control in no-till crop production systems for corn, soybeans, and wheat including problem weeds such as Italian ryegrass, marehail, johnsongrass, and burcucumber. He was honored in 1998 with the M.D. Whiteker Award for Excellence in Extension, which is the highest honor presented to Kentucky's extension faculty, and the NCWSS presented him with the Distinguished Achievement Award for Service.

Dr. Martin has been a member of the NCWSS for 30 years and has been elected twice to serve on the NCWSS Board of Directors as a state representative for Kentucky, one term to represent the society's Extension special interest group, and elected to serve 3-years (2001-2003) as the NCWSS Representative to CAST. Jim has served on various NCWSS committees including Extension, Program, Legislative Information, Weed Loss Data, Honorary Membership, Local Arrangements, Constitution and Operating Procedures, Computer, Regional Publications, and Publicity and Public Relations. He has supported the NCWSS graduate student activities by participating as a judge for the graduate student paper and poster contests. One of Dr. Martin's most significant professional contributions was his service to weed science and the other pest management disciplines when he was elected to a 3-year term (2004-2006) on the CAST Executive Board to represent the Plant Protection Science Workgroup. Jim has also been active in both the Southern Weed Science Society and Weed Science Society of America serving on committees and as an associate editor for *Weed Technology*. He has authored or coauthored 97 abstracts and proceedings, published 24 extension bulletins, and written numerous other research reports, bulletins, newsletters, and popular press articles.

### **Bernard H. Zandstra**

Dr. Zandstra attended University of Hawaii where he received his M.S. degree in 1972 and his Ph.D. degree in 1976. He Worked as a senior fellow for 1 year at the 'East West Center' in Honolulu before joining the faculty at Michigan State University in 1977. Dr. Zandstra has a 75% extension, 25% re-

search responsibility in the department of Horticulture in the field of weed science. Dr. Zandstra's extension activities include working as an advisor, a coordinator, and a planner of education programs to industry groups and organizations, such as: Michigan Vegetable Council, Michigan Food Processors Association, Michigan Agri-Business Association, Michigan Carrot Committee. His extension activities also include statewide responsibility for weed control in vegetable crops, statewide responsibility for vegetable production on organic soils, with carrot, celery, and onion as major crops, responsibility for production recommendations for other vegetable crops, including, pickling cucumbers, pumpkin, squash, cabbage and other cole crops, asparagus, and root crops, and also responsibility for weed control recommendations for small and tree fruit crops.

His research activities include weed control in vegetable with studies geared to obtain registrations on vegetables and to develop weed control strategies for vegetable crops, herbicide resistance in weeds, control of yellow nutsedge in vegetable crops, weed control in fruit trees and small fruits, weed control in ornamentals and Christmas trees, and alternatives to methyl bromide for weed control in ornamentals. In addition, Dr. Zandstra is a field research director for IR-4 Research Center at Michigan State University, where he conducts 20-25 residue projects each year to support registration of fungicides, herbicides, and insecticides.

Dr. Zandstra's involvement with NCWSS is extensive. He has participated in almost all the societies' committees including: site selection, program, fellow, distinguished achievement award, and legislative information committees. He also served as the local arrangements chair in 1994 and was the Horticulture Section chair, and a paper and poster judge for several terms. Dr. Zandstra has also been active in Weed Science Society of America serving as Horticulture Section Chair and as Chair for Herbicides for Minor Use Committee. He was also involved with the program committee and the Weed Technology committee, and is a reviewer for Weed Science and Weed Technology. He has written 35 articles (9 in HortScience and HortTechnology; 9 in Weed Science and WeedTechnology), of which he is the primary author on 10. He has written 77 extension bulletins, and 38 research reports serving the fruit, small fruit, and vegetable growers. He has also presented a total of 87 papers, of which 40 were presented at NCWSS, 20 at WSSA, and 10 at ASHS meetings. ◊

## NCWSS—Student Paper Awards

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### **Group I - Agronomic Crops I; Forestry, Industrial & Range; Weed Biology, Ecology & Management.**

**1st Place** - Management of Problematic Populations of Common Lambsquarters in Glyphosate-Resistant Soybean. Andrew M. Westhoven\*, William G. Johnson, Mark M. Loux, and Jeff M. Stachler, Purdue University and The Ohio State University

**2nd Place** - Control of Winter Annual Weed Affect Summer Annual Weed Growth and Management. Jared S. Webb\* and Bryan G. Young, Southern Illinois University and William G. Johnson, J. Earl Creech, Purdue University.

### **Group II - Agronomic Crops II; Weed Biology, Ecology & Management II; Herbicide Physiology.**

**1st Place** - Response to Two Common Lambsquarters Biotypes to Glyphosate. Andrew R. Kniss\* and Stephen Miller, University of Wyoming, Robert G. Wilson, University of Nebraska, and Philip H. Westra, Colorado State University.



**Left to Right: Jared S. Webb and Andrew M. Westhoven**



**Left to Right: Andrew R. Kniss and Nicholas H. Monnig**



**Left to Right: J. Earl Creech and Molly E. Marple**

**2nd Place** - Influence of Fall and Early Spring Herbicide Application on Soil Conditions and Insect Injury in No-Till Corn. Nicholas H. Monnig\* Travis R. Legleiter, Kevin W. Bradley, University of Missouri.

### **Group III - Horticulture Crops, Invasive Weeds and Management, Agronomic Crops III**

**1st Place** - Crop Rotation and Winter Weed Management Effects on the Weed Seedbank and Soybean Cyst Nematode Density. J. Earl Creech\*, Valerie A. Moch, William G. Johnson, Virginia R. Farris, Jamal Faghihi and Andreas Westphal, Purdue University

**2nd Place** - Cotton Yield and Fiber Quality as Affected By Simulated Herbicide Drift. Molly E. Marple\*, Kassim Al-Khatib and Dallas E. Peterson, Kansas State University.

## NCWSS—Student Poster Awards

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### Group I - Invasive Weeds and Management, Agronomic Crops and Horticulture

**1st Place** - Using Spectral Vegetation Indices for Weed Detection in Mint. Mary Gumz\* and Stephen C. Weller, Purdue University

**2nd Place** - Accuracy of WeedSoft for Predicting Early-Season Competitive Loads following Residual Herbicides in Glyphosate-Resistant Corn. Daniel D. Schnitker\*, Bryan G. Young, Southern Illinois University, William G. Johnson, Purdue University, and Mark M. Loux, The Ohio State University.



Left to Right: Daniel D. Schnitker and Mary Gumz

### Group II - Weed Biology, Ecology and Management, And Herbicide Physiology

**1st Place** - The Relationship of Soybean Cyst Nematode and Purple Deadnettle Management in Microplots. Jared S. Webb\*, Edward C. Luschei and Chris M. Boerboom, University of Wisconsin.

**2nd Place** - Susceptibility of Common Lambsquarters to Glyphosate is Influenced by Parental Exposure. Andrew R. Kniss\* and Stephen D. Miller, University of Wyoming, Philip H. Westra, Colorado State University, and Robert G. Wilson, University of Nebraska.



Left to Right: Andrew Kniss and Jared S. Webb

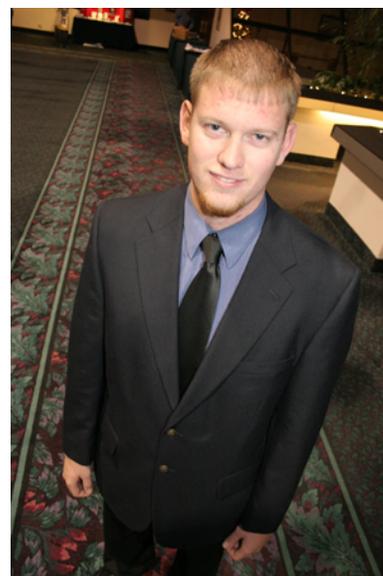
## NCWSS—Undergraduate Poster Awards

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**1st Place** - Sensitivity of Teff (*Eragrostis tef*) to Various Herbicides. Scott A. Feldt\*, Christopher L Schuster, Brian L.S. Olson, and J. Anita Dille, Kansas State University. No Image Available.

**2nd Place** - Herbicide Efficacy and Forage Quality of Spring Seeded Glyphosate-Resistant Alfalfa. Daniel K. Tiedemann\*, Bryan G. Young, Ronald F. Krausz, and Joseph L. Matthews, Southern Illinois University.

Daniel K. Tiedemann



# NCWSS Resolutions for 2006, Resolutions and Necrology Committee - Brent Petersen , Chair

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- 1. RESOLUTION ON:** The Hotel Meeting Facility for the 61st Annual Meeting of the North Central Weed Science Society.

**WHEREAS** the North Central Weed Science Society requires adequate facilities and lodging in order to conduct the business and program of the Society at the Annual Meeting; and

**WHEREAS** the meeting rooms and facilities of the Hyatt Regency of Milwaukee, WI provided an excellent and spacious meeting environment; and

**WHEREAS** the staff and management of the Hyatt Regency of Milwaukee, WI were helpful and cooperative in fulfilling the needs of the Society for a successful Annual Meeting;

**THEREFORE BE IT RESOLVED** that the North Central Weed Society in session at Milwaukee, WI, December 11-14, 2006 for the 61st Annual Meeting commends the Hyatt Regency management and staff team for their outstanding efforts in providing the Society with excellent meeting facilities and arrangements.
  
- 2. RESOLUTION ON:** Local Arrangements Committee for the 61st Annual Meeting of the North Central Weed Science Society.

**WHEREAS** the North Central Weed Science Society relies upon the effort and diligence of the Local Arrangements Committee for arranging suitable facilities for the Annual Meeting; and

**WHEREAS** a diligent and well organized Local Arrangements Committee is crucial to the conduct of a successful Annual meeting; and

**WHEREAS** Chair Mick Holm and other members of the Local Arrangements Committee have fulfilled all their responsibilities in an exemplary manner;

**THEREFORE BE IT RESOLVED** that the North Central Weed Society in session at Milwaukee, WI, December 11-14, 2006 for the 61st Annual Meeting commends Mick Holm and the Local Arrangements Committee for their outstanding efforts in providing the Society with the excellent meeting facilities and arrangements.
  
- 3. RESOLUTION ON:** Graduate Student Paper and Poster Contest Judges for the 61st Annual Meeting of the North Central Weed Science Society.

**WHEREAS** the North Central Weed Science Society relies on voluntary contribution of time, effort, and expertise of its members selected to judge the Graduate Student Paper and Poster Contests; and

**WHEREAS** the judges selected for the Graduate Student Paper and Poster Contests for the 61st Annual Meeting fulfilled their obligations and responsibilities with dedication and commitment;

**THEREFORE BE IT RESOLVED** that the North Central Weed Society in session at Milwaukee, WI, December 11-14, 2006 for the 61st Annual Meeting commends the judges of the Graduate Student Paper and Poster Contests for their inputs of time, labor, and cooperation in providing the Society with well run, successful contests at this Annual Meeting.
  
- 4. RESOLUTION ON:** The North Central Collegiate Weed Science Contest.

**WHEREAS** the North Central Collegiate Weed Science Contest requires adequate facilities in order to conduct the contest in an orderly and educational manner; and

**WHEREAS** the facilities at Midwest Research Inc., York, NE provided an excellent environment; and

**WHEREAS** the Summer Contest Host Jess Spotanski and the staff of Midwest Research Inc, met the needs of the Society and had dedication for a successful North Central Collegiate Weed Contest;

**THEREFORE BE IT RESOLVED** that the North Central Weed Society in session at Milwaukee, WI, December 11-14, 2006 for the 61st Annual Meeting commends Jess Spotanski and Midwest Research Inc. for their outstanding efforts and hard work in providing the Society with an excellent facility and a well run and educational Weed Science Contest.
  
- 5. RESOLUTION ON:** The joint meeting of Invasive Plants Association of Wisconsin with the North Central Weed Science Society.

**WHEREAS** the success of a joint programming venture with two organizations requires great planning, diplomacy and foresight; and

**WHEREAS** the efforts to include and highlight Invasive Plants as part of the 2006 NCWSS annual meeting in cooperation with the Invasive Plants Association of Wisconsin were successful; and

**WHEREAS** the contributions of the persons involved in this combined effort stand out as worthy of recognition,

**THEREFORE BE IT RESOLVED** the North Central Weed Society in session at Milwaukee, WI, December 11-14, 2006 for the 61st Annual Meeting, sincerely thanks and commends Kelly Kearns of the Wisconsin Department of Natural Resources, Jerry Doll, and Kevin Gibson for their dedicated and laudable contributions to both the NCWSS and IPAW which has borne great fruit at this annual conference.

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# NCWSS Resolutions for 2006, Resolutions and Necrology Committee

## Marvin M. Schreiber

Marvin M. Schreiber passed away at 11:15 am Friday, April 14, 2006 due to complications following heart surgery at the age of 80. He was a Navy veteran and served our country from 1944 to 1946.

Dr. Schreiber received his bachelor's degree from the University of Massachusetts, a master's degree from the University of Arizona, and his Ph.D. in botany and plant pathology from Cornell University.

Dr. Schreiber spent his entire career of over 40 years with the USDA-ARS, and 35 of those years as an Adjunct professor of weed science at Purdue University. During his career, he advised 20 graduate students and served on numerous graduate students and served on numerous graduate student committees. Although Dr. Schreiber had no teaching appointment, he guest lectured for courses covering topics in weed science, forage crops, crop physiology, and soils.

Dr. Schreiber was the lead scientist and project coordinator of a long term multidisciplinary research program designed to assess the interaction for crop rotation and tillage management on diseases, nematodes, viruses, insects and weeds on overall crop production. This program involved 17 scientists from the USDA-ARS and Purdue Agricultural Experiment station. Other research activities included the efficacy and environmental fate of starch encapsulated herbicides and general weed biology and ecology including taxonomic work with *Setaria* species. He was a leader in the establishment of programs at

the Water Quality Field Station at the Purdue Agronomy Research and Education Center. His research resulted in over 100 research articles, book chapters, fact sheets, and abstracts.

Over his career, Dr. Schreiber was a member of several professional organizations

- Weed Science Society of America
- International Weed Science Society
- North Central Weed Science Society
- American Society of Agronomy
- Crop Science Society of America
- American Association for the Advancement of Science
- Indiana Academy of Science
- Sigma XI
- Council for Agricultural Science and Technology
- European Weed Science Society
- The New York Academy of Sciences

In addition to membership in these societies, Dr. Schreiber was named a fellow of the Weed Science Society of America, American Society of Agronomy, and the American Society of Agricultural Engineers. He was recognized with a certificate of merit from the United States Department of Agriculture for sustained performance as research leader of the Insect and Weed Control Research Unit in West Lafayette, Indiana. In addition to these accomplishments, Dr. Schreiber was the President of the International Weed Science Society from 1979-1981.



## Invasive Plants Symposium and Workshops

13th and 14th of December 2006, Milwaukee, WI



The third consecutive NCWSS invasive plant program was held during our 2006 annual meeting in Milwaukee. Judging by the comments received it was a huge success. Nearly 300

people, many of them attending our conference for the first time, squeezed into the Lakeshore Ballroom on Wednesday to listen to a full day of talks on subjects that ranged from the impact of invasive earthworms on plant invasions to the management of Amur honeysuckle. On Thursday, participants chose from two concurrent sessions featuring roundtable discussions on the role of herbicides in invasive plant management, ways to improve communication among researchers, land managers, and extension personnel and alternatives to herbicides. Participants could also choose among workshops on herbicide use, invasive plant management plans, new invaders, and on multiflora rose, garlic mustard, and buckthorn. Numerous posters and an excellent tool exhibit were also on display.

Kevin Gibson and Jerry Doll

## NCWSS - People and Places

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### Graduations:

**Greta G. Gramig**

Ph.D. in Agronomy, December 2006, University of Wisconsin-Madison

Advisor: Dave Stoltenberg

Thesis: Weed Photosynthetic and Morphological Responses to Heterogeneous Canopy Light Environments

Current Position: Post-Doctoral Researcher, USDA-ARS, Stoneville, MS

**Earl Creech**

Ph.D. in Agronomy, December 2006, Purdue University

Advisor: Bill Johnson

Dissertation: Biology, management, and interactions of winter annual weeds and soybean cyst nematode.

Current Position: Extension Faculty University of Nevada.

## Position Announcements

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### **Monsanto Technology Development Jerseyville, IL**

**REFERENCE NUMBER:** mons-00006163

**TITLE:** Research Associate

**POSITION DESCRIPTION:** This person will be working out of Jerseyville IL. Looking for a motivated individual that has experience with equipment and has the ability and knowledge to collect data in soybean plots. The successful candidate will need to be able to hit the ground running this season.

**APPLICATION PROCESS:** Apply through Monsanto Human Resources Web Site.  
<http://www.monsanto.com/monsanto/layout/careers/jobs.asp>

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### **University of Missouri-Columbia Weed Science Research Specialist**

**REFERENCE NUMBER:** 1005292

**RESPONSIBILITIES:** The primary responsibility of this position will be to assist with the management of a weed science field research program conducted under the direction of Dr. Kevin Bradley in the Division of Plant Sciences at the University of Missouri. This will require the candidate to be responsible for the entry of research protocols, collection and entry of data associated with approximately 80 to 100 research trials each year, and generation of summaries and annual research reports for industry cooperators, academic colleagues, and professional societies. Additionally, the candidate will be expected to conduct standard agricultural field maintenance practices such as land preparation, planting, spraying, and harvesting of corn, soybean, wheat, grain sorghum, and forages in areas that will be utilized for small-plot research.

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## Position Announcements

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The candidate will also be expected to work independently and cooperatively with other staff, graduate students, and faculty in the weed science program and Division of Plant Sciences.

**QUALIFICATIONS:** B.S. in biological or agricultural sciences, M. S. preferred. Experience in applied weed science and/or crop production field and greenhouse research is preferred, as well as experience with agricultural research management and other data analysis software. Pesticide applicator and commercial driver's license also preferred, but not required. Consideration will be given to candidates with an equivalent combination of related education or work experience.

**SALARY AND BENEFITS:** Salary will be commensurate with qualifications and experience. Full MU Healthcare benefits are available with this position.

**CLOSING DATE:** Open until filled and available immediately.

**CONTACT:** Interested candidates must apply online at <http://www.mujobs.missouri.edu/application/>. Refer to vacancy number 1005292. Please submit a resume, letter of application explaining fit with qualifications sought, academic transcripts, and names, addresses and phone numbers of at least 3 references. Other questions pertaining to the job may be directed to: Dr. Kevin Bradley, Assistant Professor, Division of Plant Sciences, University of Missouri, 206A Waters Hall, Columbia, MO 65211; 573-882-4039; bradleyke@missouri.edu.

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### Syngenta Herbicide Technical Leader Jealott's Hill, Bracknell, Berkshire

**REFERENCE NUMBER: JHB&L11**

**DESCRIPTION:** Syngenta is a world-leading agribusiness committed to sustainable agriculture through innovative research and technology. We are a leader in crop protection and rank third in the high-value commercial seeds market – our sales in 2005 were US\$8.1 billion. This is your chance to join a team of more than 19,000 people in over 90 countries, all committed to helping farmers feed the world today and tomorrow. Come and help us grow.

**RESPONCIBILITIES:** Syngenta is one of the few major companies investing in weed control research. This is a rare opportunity to become directly involved by providing a major input into the discovery of new technologies to control weeds. You will provide a sound knowledge of weed science, herbicide technical leadership and a creative input to the discovery and invention of new lead areas. Always thinking ahead of the game, you'll not only deliver market expectations but also create them by working within a multidisciplinary team to champion new approaches. As well as a solid technical background, you'll need to be passionate about your work and demonstrate the ability to innovate and communicate. The person entrusted with this pivotal role should have the confidence to lead and inspire, and the creativity to initiate the next major project in weed science.

**COMPENSATION: £32k-£40k**

**CONTACT:** If you're ready to go beyond the tried and tested, please send a full CV to HR Central Support, Syngenta, Jealott's Hill International Research Centre, Bracknell, Berkshire RG42 6EY, quoting ref: JHB&L11 or email [uk.recruitment@syngenta.com](mailto:uk.recruitment@syngenta.com)

**CLOSING DATE:** 23rd February 2007.

**North Central Weed Science Society  
Board and Committee Members 2007**

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**I. NCWSS Board of Directors**

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**Officers**

|                           |                            |                        |                                   |
|---------------------------|----------------------------|------------------------|-----------------------------------|
| Adrian Moses              | President                  | 515-689-7451           | adrian.moses@syngenta.com         |
| Bill Johnson              | President Elect            | 765-494-4656           | wgi@purdue.edu                    |
| Mick Holm                 | Vice President             | 608-231-9961           | mick.f.holm@usa.dupont.com        |
| Stephen Miller            | Past President             | 307-766-3667           | sdmiller@uwyo.edu                 |
| Christy Sprague           | Secretary/Treasurer        | 517-355-0271 ext. 224  | sprague1@msu.edu                  |
| Robert Hartzler           | Editor Proceedings         | 515-294-1923           | hartzler@iastate.edu              |
| Harlene Hatterman-Valenti | Editor Communications      | 701-231-8536           | h.hatterman.valenti@ndsu.edu      |
| Anita Dille               | WSSA Rep (2008)            | 785-532-7240           | dieleman@ksu.edu                  |
| Karen Renner              | CAST Rep (2009)            | 517-355-0271 Ext. 1233 | renner@msu.edu                    |
| Robert Schmidt            | Exec. Secretary (ex of.)   | 217-352-4212           | raschwssa@aol.com                 |
| Lee Van Wychen            | Dir.Science Policy(ex of.) | 202-408-5388           | lee.vanwychen@weedscienceorgs.com |

**State Directors**

|                 |                     |              |                                  |
|-----------------|---------------------|--------------|----------------------------------|
| Michael Edwards | Colorado (2009)     | 303-280-3830 | michael.t.edwards@usa.dupont.com |
| Patrick Tranel  | Illinois (2008)     | 217-333-1531 | tranel@uiuc.edu                  |
| Bruce Maddy     | Indiana (2009)      | 317-877-3100 | bemaddy@dow.com                  |
| Leslie Lloyd    | Iowa (2008)         | 515-967-0058 | leslie.lloyd@usa.dupont.com      |
| Doug Nord       | Kansas (2007)       | 620-285-3380 | dwnord@gbta.net                  |
| Joseph Masabni  | Kentucky (2009)     |              | jmasabni@uky.edu                 |
| Andy Chomas     | Michigan (2007)     | 517-432-1521 | chomas@msu.edu                   |
| Brett Miller    | Minnesota (2008)    | 320-848-2034 | brett.miller@syngenta.com        |
| Reid Smeda      | Missouri (2009)     | 573-882-1329 | smedar@missouri.edu              |
| Jess Spotanski  | Nebraska (2007)     | 402-643-9709 | jess_spotanski@mainstaycomm.net  |
| Brian Kuehl     | North Dakota (2008) | 701-271-0407 | bkuehl@westcentralinc.com        |
| Jeff Taylor     | Ohio (2007)         | 937-884-7435 | jeffrey.b.taylor@monsanto.com    |
| Darren Robinson | Ontario (2008)      | 519-674-1604 | drobinson@ridgetownc.uoguelph.ca |
| Terence Carmody | South Dakota (2009) | 605-371-9683 | terence.carmody@syngent.com      |
| Stephen Sanborn | Wisconsin (2007)    | 608-695-9622 | stephen.sanborn@syngenta.com     |
| Andrew Kniss    | Wyoming (2008)      | 307-766-3949 | akniss@uwyo.edu                  |

**Directors at Large**

|               |                    |              |                                |
|---------------|--------------------|--------------|--------------------------------|
| Kevin Bradley | Extension          | 573-882-4039 | bradleyke@missouri.edu         |
| Joe Armstrong | Graduate Students  | 517-355-0231 | armst200@msu.edu               |
| John Hinz     | Industry           | 515-733-9250 | john.hinz@bayercropscience.com |
| Dave Nicolai  | Resident Education | 320-583-3182 | nico0071@unm.edu               |

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**II. NCWSS Interest Group Committees**

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**Extension**

|                |            |              |                              |
|----------------|------------|--------------|------------------------------|
| Kevin Bradley  | Chair      | 573-882-4039 | bradleyke@missouri.edu       |
| Mike Moechnig  | Vice Chair | 605-688-4591 | michael.moechnig@sdstate.edu |
| Lizabeth Stahl | Past Chair | 507-372-3900 | stah0012@unm.edu             |

## Graduate Students

|                      |                  |              |                            |
|----------------------|------------------|--------------|----------------------------|
| Joe Armstrong        | Chair            | 517-355-0231 | armst200@msu.edu           |
| Valerie Mock         | Vice Chair       | 574-453-4969 | vmock@purdue.edu           |
| Christopher Schuster | Past Chair       | 785-532-6104 | cls@ksu.edu                |
| Mark A. Waddington   | Committee member | 207-825-7382 | markw@siu.edu              |
| Angela J Kamierczak  | Committee member | 701-367-6422 | angela.kamierczak@ndsu.edu |
| John Lindquist       | Committee member | 402-472-2771 | lindquest1@unl.edu         |

## Industry

|                   |            |              |                                      |
|-------------------|------------|--------------|--------------------------------------|
| John Hinz         | Chair      | 515-733-9250 | john.hinz@bayercropscience.com       |
| Mark Myers        | Vice Chair | 608-274-5349 | mark.myers@syngenta.com              |
| Pete Porpiglia    |            | 914-682-8934 | peter@kicheam-usa.com                |
| Mark Peterson     |            | 765-463-2788 | mapeterson@dow.com                   |
| Kip Sander        |            | 612-239-1916 | ks.cointegrity@charter.net           |
| Fritz Koppatschek |            | 317-415-0553 | fkoppatschek@abgaservices.com        |
| Brent Petersen    | Past Chair | 320-230-4081 | brent.petersen@arystalifescience.com |

## Resident Education

|                |                            |              |                                 |
|----------------|----------------------------|--------------|---------------------------------|
| Dave Nicolai   | Resident Education chair   | 320-583-3182 | nico0071@unm.edu                |
| Jess Spotanski | 1st Vice Chair             | 402-643-9709 | jess_spotanski@mainstaycomm.net |
| John Hinz      | 2 <sup>nd</sup> Vice Chair | 515-733-9250 | john.hinz@bayercropscience.com  |
| Anita Dille    |                            | 785-532-7240 | dieleman@ksu.edu                |
| Jeff Stachler  | Past Chair                 | 614-292-1393 | stachler.1@osu.edu              |

## Contest Rules Subcommittee of Res. Ed.

|                |                            |              |                                 |
|----------------|----------------------------|--------------|---------------------------------|
| Anita Dille    | Chair                      | 785-532-7240 | dieleman@ksu.edu                |
| Jess Spotanski | 1st Vice Chair             | 402-643-9709 | jess_spotanski@mainstaycomm.net |
| John Hinz      | 2 <sup>nd</sup> Vice Chair | 515-733-9250 | john.hinz@bayercropscience.com  |
| Dave Nicolai   |                            | 320-583-3182 | nico0071@unm.edu                |
| Jeff Stachler  | Past Chair                 | 614-292-1393 | stachler.1@osu.edu              |

## Summer Contest Subcommittee of Res. Ed.

|                    |                                    |              |   |
|--------------------|------------------------------------|--------------|---|
| Tate Castillo      | Co-Chair 07 Contest                | 641-456-3516 | barc_tate@iowatelecom.net                 |
| Anita Dille        | Co-Chair 07                        | 785-532-7240 | dieleman@ksu.edu                          |
| David Bennett      | Host 07 Contest                    | 641-456-3516 | barc@iowatelecom.net                      |
| Jess Spotanski     | Host 06 contest                    | 402-643-9709 | jess_spotanski@mainstaycomm.net           |
| Dave Nicolai Res.  | Ed Chair                           | 320-583-3182 | nico0071@unm.edu                          |
| John Hinz Industry |                                    | 515-733-9250 | john.hinz@bayercropscience.com            |
| Joe Armstrong      | Grad. Student Chair                | 517-355-0231 | armst200@msu.edu                          |
| Kirk Howatt        | Summer contest                     | 701-231-7209 | kirk.howatt@ndsu.edu                      |
| Gordon Roskamp     | Summer Contest                     | 309-298-1569 | GK-Roskamp@wiu.edu                        |
| Bill Tarter        | 08 Illinois Contest Host–<br>Chair | 618-594-7645 | bill.tarter@alveyagriculturalresearch.com |

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### III. NCWSS Standing Committees

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#### Distinguished Achievement Award

|                   |            |              |                              |
|-------------------|------------|--------------|------------------------------|
| Steve Miller      | Chair      | 307-766-3667 | sdmiller@uwyo.edu            |
| Adrian Moses      | Vice Chair | 515-689-7451 | adrian.moses@syngenta.com    |
| Tom Peters        | Past Chair | 636-737-7679 | tom.j.peters@monsanto.com    |
| Leroy Cobia       |            | 712-328-1928 | lrcobia@msn.com              |
| Jan Michael       |            | 517-655-6219 | morecatnip@yahoo.com         |
| Richard Zollinger | 2007       | 701-237-8157 | rzolling@ndsu.edu            |
| Troy Klingman     | 2007       | 217-687-4806 | klingatd@basf.com            |
| Mark Wrucke       | 2008       | 651-463-3365 | mark.wrucke@bayercropsci.com |
| Charles Slack     | 2008       | 859-259-1914 | cslack@uky.edu               |

#### Electronic Communications Committee

|                           |            |              |                                 |
|---------------------------|------------|--------------|---------------------------------|
| Glenn Nice                | Chair      | 765-496-2121 | gnice@purdue.edu                |
| Harlene Hatterman-Valenti | Vice Chair | 701-231-8536 | h.hatterman.valenti@ndsu.edu    |
| Kevin Adam                |            | 309-726-1876 | kevin.adam@bayercropscience.com |
| Eric Spandl               |            | 651-451-5383 | epspandl@agriliance.com         |
| Vince Davis               |            | 765-496-6690 | davisv@purdue.edu               |
| Andrew Kniss              |            | 307-766-3949 | akniss@uwyo.edu                 |
| Brian Jenks               |            | 701-857-7677 | brian.jenks@ndsu.edu            |

#### Fellow Committee

|                  |            |              |                                      |
|------------------|------------|--------------|--------------------------------------|
| Steve Weller     | Chair      | 765-494-1333 | weller@purdue.edu                    |
| Aaron Hager      |            | 217-333-4424 | hager@uiuc.edu                       |
| Phil Stahlman    |            | 785-625-3405 | stahlman@ksu.edu                     |
| Kassim Al-Khatib |            | 785-532-5155 | khatib@ksu.edu                       |
| J.D. Green       |            | 859-257-4898 | jdgreen@uky.edu                      |
| Brent Petersen   |            | 320-230-4081 | brent.petersen@arystalifescience.com |
| Mark Wrucke      |            | 651-463-3365 | mark.wrucke@bayercropscience.com     |
| Dain Bruns       |            | 614-767-0236 | dain.bruns@syngenta.com              |
| Leroy Cobia      | Past chair | 712-328-1928 | cobial@cox.net                       |

#### Finance Steering and Policy Committee

|                           |            |              |                              |
|---------------------------|------------|--------------|------------------------------|
| Christy Sprague           | Chair 2008 | 517-353-0271 | sprague1@msu.edu             |
| Harlene Hatterman-Valenti | Vice Chair | 701-231-8536 | h.hatterman.valenti@ndsu.edu |
| J.D. Green                | Chair      | 859-257-4898 | jdgreen@uky.edu              |
| Mark Wood                 |            | 316-755-7760 | mark.l.wood@monsanto.com     |
| Craig Alford              |            | 402-486-4970 | craig.alford@usa.dupont.com  |
| Robert Schmidt            | Ex Of.     | 217-352-4212 | raschwssa@aol.com            |
| Stephen Miller            | Ex Of.     | 307-766-3667 | sdmiller@uwyo.edu            |

#### Future Site Selection Committee

|               |                       |              |                                  |
|---------------|-----------------------|--------------|----------------------------------|
| Charles Slack | Chair                 | 859-259-1914 | cslack@uky.edu                   |
| Mick Holm     | LAC Chair             | 608-231-9961 | mick.f.holm@usa.dupont.com       |
| John Wollam   | K.C, LAC, Co-chair    | 816-242-0361 | john.wollam@bayercropscience.com |
| Greg Elmore   | St. Louis, LAC, Chair | 314-694-4379 | greg.a.elmore@monsanto.com       |
| Tom Peters    | Past President        | 636-737-7679 | tom.j.peters@monsanto.com        |
| Dawn Nordby   | Member at large       | 217-244-7497 | dnordby@uiuc.edu                 |
| Kirk Howatt   | Member at large       | 701-231-7209 | kirk.howatt@ndsu.edu             |

## Legislation Regulatory & Public Policy Committee

|                 |               |              |                                      |
|-----------------|---------------|--------------|--------------------------------------|
| Lee Van Wychen  | DPS, Co-Chair | 202-408-5388 | lee.vanwychen@weedscienceorgs.com    |
| Mick Holm       | Co- Chair     | 608-231-9961 | mick.f.holm@usa.dupont.com           |
| Bill Johnson    | Past chair    | 765-494-4656 | wgj@purdue.edu                       |
| W.W. Witt       |               | 859-333-3131 | wwitt@uky.edu                        |
| Kelly Nelson    |               | 660-739-4410 | nelsonke@missour.edu                 |
| Michael Horak   |               | 314-694-3476 | michael.j.horak@monsanto.com         |
| Kevin Thorsness |               | 701-293-0653 | kevin.thorsness@bayercropscience.com |
| Walt Fick       |               | 785-532-7223 | whfick@ksu.edu                       |
| Jim Harbour     |               | 701-476-0676 | james.d.harbour@usa.dupont.com       |
| Adrian Moses    | Past Chair    | 515-689-7451 | adrian.moses@syngenta.com            |

## Local Arrangements: 2006-Hyatt Hotel, Milwaukee, WI

|                 |                       |                       |                            |
|-----------------|-----------------------|-----------------------|----------------------------|
| Greg Elmore     | St. Louis, LAC, Chair | 314-694-4379          | greg.a.elmore@monsanto.com |
| Mick Holm       | Milwaukee Past Chair  | 608-231-9961          | mick.f.holm@usa.dupont.com |
| Dave Nicolai    | Resident Education    | 320-583-3182          | nico0071@unm.edu           |
| Bill Johnson    | Program Chair         | 765-494-4656          | wgj@purdue.edu             |
| Charlie Slack   | Future Site Selection | 859-259-1914          | cslack@uky.edu             |
| Christy Sprague | Secretary/Treasurer   | 517-355-0271 ext. 224 | sprague1@msu.edu           |
| Robert Schmidt  | Executive Secretary   | 217-352-4212          | raschwssa@aol.com          |

## Membership Committee

|                   |            |              |                                 |
|-------------------|------------|--------------|---------------------------------|
| Kelly Nelson      | Chair      | 660-739-4410 | nelsonke@missour.edu            |
| Michael De Felice | Vice Chair | 515-334-6705 | michael.defelice@pioneer.com    |
| Frank Forcella    |            | 320-589-3441 | forcella@morris.ars.usda.gov    |
| Tony White        |            | 573-248-2909 | tony.d.white@monsanto.com       |
| Ken Carlson       |            | 402-489-9131 | carsok@basf.com                 |
| Mick Holm         |            | 608-231-9961 | mick.f.holm@usa.dupont.com      |
| Lizabeth Stahl    |            | 507-372-3900 | stah0012@umn.edu                |
| Peter Sikkema     |            | 519-674-1603 | psikkema@ridgetownc.uoguelph.ca |
| Paul Vassalotti   |            | 608-798-4311 | paul.vassalotti@basf.com        |

## Nominating Committee

|                  |            |              |                                 |
|------------------|------------|--------------|---------------------------------|
| Kirk Howatt      | Chair      | 701-231-7209 | khowatt@ndsu.edu                |
| Patrick McMullan | Vice Chair | 901-757-2730 | agrobio@earthlink.net           |
| Joe Masabni      |            | 270-365-7541 | jmasabni@uky.edu                |
| Jeff Gunsolus    |            | 612-625-8130 | gunso001@umn.edu                |
| Peter Sikkema    |            | 519-674-1603 | psikkema@ridgetownc.uoguelph.ca |
| Gary Finn        |            | 317-337-4781 | gafinn@dow.com                  |
| Bryan Young      |            | 618-453-7679 | bgyoung@siu.edu                 |
| Dallas Peterson  |            | 785-532-5776 | dpeterson@ksu.edu               |

## Program Committee

|                         |                         |                       |                                |
|-------------------------|-------------------------|-----------------------|--------------------------------|
| Bill Johnson            | Chair                   | 765-494-4656          | wgj@purdue.edu                 |
| Mick Holm               | Vice Chair              | 608-231-9961          | mick.f.holm@usa.dupont.com     |
| Greg Elmore             | LAC, Chair              | 314-694-4379          | greg.a.elmore@monsanto.com     |
| Michael Crotser         | Research & Publications | 715-425-3345          | michael.crotser@uwrf.edu       |
| Christy Sprague         | Secretary/Treasurer     | 517-355-0271 ext. 224 | sprague1@msu.edu               |
| Kevin Bradley Extension |                         | 573-882-4039          | bradleyke@missouri.edu         |
| Joe Armstrong           | Grad. Student           | 517-355-0231          | armst200@msu.edu               |
| John Hinz Industryr     |                         | 515-733-9250          | john.hinz@bayercropscience.com |
| Michael Crotser         | Research and Pub        | 715-425-3345          | michael.crotser@uwrf.edu       |
| Adrian Moses            | Ex Of.                  | 515-689-7451          | adrian.moses@syngenta.com      |

## Publicity and Public Relations

|                           |            |              |                              |
|---------------------------|------------|--------------|------------------------------|
| Mick Holm                 | Chair      | 608-231-9961 | mick.f.holm@usa.dupont.com   |
| Bill Johnson              | Past Chair | 765-494-4656 | wgj@purdue.edu               |
| Jeff Stachler             |            | 614-292-1393 | stachler.1@osu.edu           |
| Harlene-Hatterman-Valenti |            | 701-231-8536 | h.hatterman.valenti@ndsu.edu |
| Wayne Fithian             |            | 402-289-0265 | wfithian@jcro.com            |

## Resolutions and Necrology Committee

|                |            |              |                                      |
|----------------|------------|--------------|--------------------------------------|
| John Frihauf   | Chair      | 785-625-3425 | jfrihauf@ksu.edu                     |
| Patrick Tranel | Vice Chair | 217-333-1531 | tranel@uiuc.edu                      |
| Richard Proost |            | 608-262-7845 | rproost@wisc.edu                     |
| Patrick Geier  |            | 785-625-3425 | pgeier@ksu.edu                       |
| Brent Petersen | Past Chair | 320-230-4081 | brent.petersen@arystalifescience.com |

## Long Range Planning and Organizational Affairs Committee

|                 |            |              |                                 |
|-----------------|------------|--------------|---------------------------------|
| Dirk Drost      | Chair      | 336-632-7510 | dirk.drost@syngenta.com         |
| Bryan Young     | Vice Chair | 618-453-7679 | bgyoung@siu.edu                 |
| Mike Owen       |            | 515-294-1923 | mdowen@iastate.edu              |
| Helen Flanigan  |            | 317-862-0578 | helen.a.flanigan@usa.dupont.com |
| Jeff Stachler   |            | 614-292-1393 | stachler.1@osu.edu              |
| Curt Thompson   |            | 620-275-9164 | cthompson@ksu.edu               |
| Darren Robinson |            | 519-674-1604 | drobinso@ridgetownc.uoguelph.ca |

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## IV. Section Program Chairs

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### General Program

|              |               |              |                |
|--------------|---------------|--------------|----------------|
| Bill Johnson | Program Chair | 765-494-4656 | wgj@purdue.edu |
|--------------|---------------|--------------|----------------|

### Paper Session

|                   |            |              |                                 |
|-------------------|------------|--------------|---------------------------------|
| Bill Johnson      | Chair      | 765-494-4656 | wgj@purdue.edu                  |
| Jerry Hora        |            | 563-652-5013 | jerry.hora@bayercropscience.com |
| Fritz Koppatschek |            | 317-415-0553 | fkoppatschek@abgaservices.com   |
| Brian Canaday     |            | 573-522-4115 | brian.canaday@mdc.mo.gov        |
| Jeff Stachler     | Past Chair | 614-292-1393 | stachler.1@osu.edu              |

### Graduate Student Paper Awards

|                |  |              |                                 |
|----------------|--|--------------|---------------------------------|
| Jess Spotanski | Chair (1 <sup>ST</sup> Vice chair Re. Ed.) | 402-643-9709 | jess_spotanski@mainstaycomm.net |
| Brett Miller   | Past Chair                                 | 320-848-2034 | brett.miller@syngenta.com       |

### Graduate Student Poster Awards

|              |  |              |                                |
|--------------|--|--------------|--------------------------------|
| John Hinz    | Chair (2 <sup>nd</sup> Vice Chair of Res. Ed.) | 515-733-9250 | john.hinz@bayercropscience.com |
| Dave Nicolai | Past chair                                     | 320-583-3182 | nico0071@unm.edu               |

### Agronomic Crops I (Cereals, Sugar Beets, Dry Beans)

|               |            |              |                                  |
|---------------|------------|--------------|----------------------------------|
| Mike Edwards  | Chair      | 303-280-3830 | michael.t.edwards@usa.dupont.com |
| Patrick Geier | Vice Chair | 785-625-3425 | pgeier@ksu.edu                   |
| Rick Schmenk  |            | 734-828-7048 | weedklln@aol.com                 |
| Kirk Howatt   | Past Chair | 701-231-7209 | khowatt@ndsu.edu                 |

### **Aronomics Crops II (Corn , Sorghum)**

|                |            |              |                             |
|----------------|------------|--------------|-----------------------------|
| Tony Dobbels   | Chair      | 614-292-1393 | dobbels.1@osu.edu           |
| Troy Klingaman | Vice-Chair | 217-586-6498 | troy.klingaman@basf.com     |
| Jim Martin     |            | 207-365-7541 | jamartin@uky.edu            |
| Leslie Lloyd   | Past Chair | 515-334-7012 | leslie.lloyd@usa.dupont.com |

### **Agronomic Crops III (Soybeans)**

|                |            |              |                                 |
|----------------|------------|--------------|---------------------------------|
| Jeff Bunting   | Chair      | 309-557-6315 | jbunting@growmark.com           |
| Kevin Bradley  | Vice Chair | 573-882-4039 | bradleyke@missouri.edu          |
| Helen Flanigan | Past Chair | 317-862-0578 | helen.a.flanigan@usa.dupont.com |

### **Equipment and Application Methods**

|                |            |              |                         |
|----------------|------------|--------------|-------------------------|
| Teague Lottman | Chair      | 800-642-8572 | tlottman@coopmutual.com |
| Robert Klein   | Vice Chair | 308-696-6705 | rklein1@unl.edu         |
| Gregory Dahl   |            | 651-451-4942 | gkdahl@agriliance.com   |
| Leroy Cobia    | Past Chair | 712-328-1928 | cobia1@coxnet           |

### **Extension**

|                |            |              |                              |
|----------------|------------|--------------|------------------------------|
| Kevin Bradley  | Chair      | 573-882-4039 | bradleyke@missouri.edu       |
| Mike Moechnig  | Vice Chair | 605-688-4591 | michael.moechnig@sdstate.edu |
| Lizabeth Stahl | Past Chair | 507-372-3900 | stah0012@umn.edu             |

### **Herbicide Physiology**

|               |            |              |                                |
|---------------|------------|--------------|--------------------------------|
| Jeff Bunting  | Chair      | 309-557-6315 | jbunting@growmark.com          |
| Dan Volenberg | Vice Chair | 217-333-4723 | dsvolenb@uiuc.edu              |
| John Hinz     | Past Chair | 515-733-9250 | john.hinz@bayercropscience.com |

### **Invasive Weeds**

|              |            |              |                    |
|--------------|------------|--------------|--------------------|
| Marc Renz    | Chair      |              | mrenz@wisc.edu     |
| Bob Masters  | Vice Chair | 402-488-1157 | ramasters@dow.com  |
| Kevin Gibson | Past Chair | 765-496-2161 | kgibson@purdue.edu |

### **Forestry, Industrial, and Aquatics**

|               |            |              |                   |
|---------------|------------|--------------|-------------------|
| Mike Marshall | Chair      | 517-335-5191 | mmarshall@msu.edu |
| Byron Sleugh  | Vice Chair | 515-226-2165 | bbsleuh@dow.com   |
| Joe Masabni   | Past Chair | 270-365-7544 | jmasabni@uky.edu  |

### **Horticulture, Turf and Ornamentals**

|                 |            |              |                                 |
|-----------------|------------|--------------|---------------------------------|
| Darren Robinson | Chair      | 519-674-1604 | drobinso@ridgetownc.uoguelph.ca |
| Jed Colquhoun   | Vice Chair | 608-890-0980 | colquhoun@wisc.edu              |
| Martin Williams | Past Chair | 217-244-5476 | mmwilliams@uiuc.edu             |

### **Weed Biology, Ecology and Management**

|            |            |                       |                    |
|------------|------------|-----------------------|--------------------|
| Ed Luschei | Chair      | 608-263-7436          | ecluschei@wisc.edu |
| Erin Hill  | Vice Chair | 517-355-0271 Ext. 233 | hiller12@msu.edu   |
| Adam Davis | Past Chair | 217-333-9654          | acdavis1@uiuc.edu  |