



**NCWSS Board Meeting Agenda
December 3, 2018
Hyatt Regency, Milwaukee, WI
Vue East Room (21st Floor)
1:00 to 5:00 PM**

Conference call information:

1-989-633-1166 **Access #:** 714 896 422

1. Call to Order (President): Christy Sprague
2. Roll Call (Secretary-Treasurer): David Simpson
3. President Report: Christy Sprague
4. President-Elect/Program Chair: Aaron Hager
5. Local Arrangement Richard Proost/Tim Trower
6. Executive Secretary Report: Kelly Mazur
7. Past President Report: Greg Dahl
8. Vice President Report: Stott Howard
9. Secretary-Treasurer Report: David Simpson
10. Proceedings Editor Report: Greg Kruger
11. Communications Editor Report: Vince Davis
12. Resident Education Rena Neha
13. WSSA Representative: Greg Elmore
14. CAST Representative: Lowell Sandell
15. Strategic Planning Committee Dawn Refsell
16. Extension Debalin Sarangi
17. Industry Andy Kendig
18. Graduate Student Marcelo Zimmer
19. Director of Science Policy: Lee VanWychen
20. Old Business:
21. New Business:
22. Adjourn

ROLL CALL December 3, 2018 Board Meeting

Roll call [11 Quorum]

Officers	Names	Dec 3
President	Christy Sprague	yes
President Elect	Aaron Hager	yes
Vice President	Stott Howard	yes
Secretary-Treasurer	David Simpson	yes
Editor-NCWSS Proceedings	Greg Kruger	Arrived 2:43 pm
Editor-Newsletter	Vince Davis	absent
WSSA Representative	Greg Elmore	Yes
CAST Representative	Lowell Sandell	Yes
Past President	Greg Dahl	yes
Executive Secretary	Kelley Mazur	yes
Director of Science Policy	Lee Van Wychen	

Directors at Large	Names	Dec 3
Strategic Planning	Dawn Refsell	yes
Extension	Debalin Sarangi	no
Industry	Andy Kendig	yes
Resident Education	Rena Neha	ye
Graduate Student	Marcelo Zimmer	no
Central Region	Tim Trower	yes
Western Region	Brady Kappler/Phil Westra	Yes
Eastern Region	Kelly Barnett	No

Start time 1:08 pm

Summary of Motions:

Moved by Greg Dahl and second by Dawn to accept the site selection committee recommendation of Amway Grand Plaza in Grand Rapids, MI for 2021 meeting. Motion passed. The dates will be Dec 6 to 9th.

Dawn moved to adjourn. Tim second. Motion passed.

Minutes:

Start time 1:08 pm

Officers provided reports to the board as reported below.

Summary of Discussions

- Concern with getting pool of volunteers in serving on board and committees. Suggestion that we provide an opportunity to include a selection for members to volunteer for various board and committee members. Board recognized the challenge of rotating industry and academic presidents going forward. Will need to consider foregoing this practice if candidates are not available.
- Should there be a section on molecular biology/genetics. Discussion on whether Herbicide Physiology should be renamed. Recommend that the Program Committee review the options.
- Deadline for presentations to be loaded into the system by Friday night at midnight before the meeting. The Resident Education committee should consider deducting points for late submissions.
- Sustaining membership fees. Board discussed that with consolidation whether there is a negative impact to income. Board recommendation to hold the dues at current cost structure.
- Discussion on reduced fee for retired fellows. To be discussed at summer board meeting.

Meeting ended at 4:19 pm

NCWSS Committee and Officer Reports

President - Christy Sprague

Date of Preparation November 29, 2018

Officer/committee Activities during the Year:

It has been my pleasure to serve as the North Central Weed Science Society President. Thank you for the opportunity. My main responsibilities this year have been to represent the North Central Weed Science Society on the Weed Science Society of America Science Policy Committee and to working with various NCWSS committees.

There are several people that I would like to thank for their help during my term as President. First I would like to thank Greg Dahl for his support and encouragement as the Past President and David Simpson as Secretary Treasurer for making sure we are in line with the MOP and doing an excellent job with the agenda's and minutes. I would also like to thank Aaron Hager for all his hard work and dedication in planning the 2018 NCWSS Annual Meeting Program. A special thanks goes to Richard Proost, Tim Trower, and their local arrangements committee. They have worked extremely hard in getting the venue and meeting planned. With their guidance it looks like it will be an extremely successful meeting. I would also like to thank Kelley Mazur, as our Executive Secretary, she has been extremely valuable in the annual meeting planning.

Highlights of Activities throughout the Year:

- Completed committee assignments and updated Chairpersons for NCWSS committees that are posted on the NCWSS website.
- Represented the North Central Weed Science Society at the WSSA President's Breakfast meeting in Arlington, VA in late January.
- Provided the NCWSS President's Message for the NCWSS Spring and Fall 2018 Newsletters.
- Endorsed letter on behalf of the NCWSS with approval from the Executive Board on urging the Senate to reauthorize Pesticide Registration Improvement Act (PRIA) on January 24, 2018.
- Conducted a NCWSS Board of Directors conference call meeting on April 11, 2018 to help facilitate the transition of the Executive Secretary role from Tara Steinke to Kelley Mazur from IMI Group. The transition has gone smoothly and the NCWSS would like to welcome Kelley and thank Tara for each of their efforts. Tara's last day was April 13.
- Participated as a volunteer for the 2018 NCWSS Weed Science Contest. Thanks to Brian Olson, Greg Kruger and all of the Contest Committee for hosting and conducting this important event.
- Met with Richard Proost and Tim Trower (Local Arrangements Co-Chairs), Aaron Hager (Program Chair), and Kelley Mazur (Executive Secretary) and hotel representatives on August 22 at the Hyatt Milwaukee in Wisconsin for a site visit to pant for the 2018 NCWSS Annual Meeting.
- Interacted with many of the committees and their leaders. My thanks to the Committee Chairs for their service to NCWSS.

- Attended several conference calls for NCWSS Communications Working Group. I would like to commend Renee Adler, graduate student at the University of Missouri, for her leadership on this working group. I would also like to thank Dawn Refsell for her contributions to this group. I would also like to thank Kelley Mazur for actively tweeting NCWSS news.
- Interacted with Mark Loux site selection chair on possible future meeting sites.
- Contacted and Congratulated NCWSS Distinguished Achievement Award Winners, NCWSS Fellow Awardees, and NCWSS Graduate Student Award Winner. Contacted and congratulated NCWSS candidates for Vice President, Proceedings Chair, and CAST Representative elected by the society. Contacted and notified candidates not elected, thanked them for running and their service to the NCWSS.

Discussion Points:

- It is important that we work with the Strategic Planning Committee and Communications group to get a proposal through on the how to handle the Newsletter Editor Role and position on the NCWSS Executive Committee.
- There are concerns that not everyone may not be receiving all of the emails from the NCWSS. I have heard this also from members who were not able to attend the previous year's meeting. We need to make sure that these previous members are still on the NCWSS contact lists.
- Nominations for new NCWSS Board positions. This last year it was difficult for the Nominations Committee to find volunteers for the 2018 ballot. There was some concern about how important the industry-university rotation is for the Vice President role and if this is really needed.

President Elect – Aaron Hager

Date of Preparation November 30, 2018

Officer/committee Activities during the Year:

Much of my activities after the summer Board of Directors meeting in Nebraska has focused on planning the program for the 73rd annual meeting. I owe a great deal of thanks to Executive Secretary Kelley Mazur, President Christy Sprague, and Past President Greg Dahl for their tireless assistance and sage counsel.

There were a total of 226 posters and papers submitted for the meeting as of October 26 when the program was submitted to the Executive Secretary. The total included 113 posters and 113 papers (including General Session and symposia papers). Since the program was submitted, two papers and one poster have been withdrawn.

All paper and poster titles and abstracts were submitted through the Weed Science Society of America abstract submission site. I extend my sincere thanks to Joyce Lancaster and David Krueger of Apex WebStudio for their assistance with the myriad questions I posed. After the title submission deadline had passed, I reviewed all titles and highlighted any title submitted by a graduate student who had indicated they were not entering the contest. I emailed each of these students to verify they were not participating in the contest, hoping to reduce requests to change their participation selection as the meeting date approached.

We did experience at least one unexpected challenge with the abstract submission site. Titles of posters submitted for the undergraduate student contest were designated with the symbol for graduate student posters in the printed program. After this was discovered, I went to the abstract submission site and entered a title for the undergraduate student poster contest, and upon printing the “new” program verified the incorrect symbol had been placed by the title. I forwarded this information to Apex WebStudio and printed a list of all poster presentations with undergraduate poster contest entries highlighted. This list was then provided to the Chair of the poster contest to help verify posters were assigned their correct status (graduate or undergraduate).

The Local Arrangements committee has done an excellent job in preparing for the annual meeting. The committee, Christy Sprague, Kelly Mazur and I visited the Hyatt Regency in August to review the facility and meet with hotel staff.

The 2018 program will include four symposia. Renee Adler and Kelley Mazur developed a symposium on communication strategies within weed science. David Simpson has organized a symposium that will discuss various factors that influence placement of pesticides during their application. Dawn Refsell will moderate a symposium designed primarily for graduate students on appropriate statistical methods used in distinctive research areas of weed science. Finally, Andy Kendig has coordinated the Industry Update symposium, which will occur Thursday morning. The industry update was moved to Thursday morning during the 2017 annual meeting and its success warranted placement at a similar time for the 2018 program.

The 2018 program is the second consecutive program that does not include paper presentations in the Extension section. Only two titles were submitted for oral presentations in the Extension section, so these were placed in other sections.

I extend my thanks to BASF for sponsoring the graduate student mixer and quiz bowl.

Executive Secretary Report – Kelley Mazur

Date of Preparation: November 29, 2018

Officer/committee Activities during the Year:

Annual Meeting:

Pre-registration as of November 30, 2018 at 12:30pm is 462 (18 Fellows, 89 Students, 325 Regular Members). For the Industry Breakfast 76 Regular Members have paid (\$45.00 x 76=\$3420.00) and 71 Students have signed up. We are trending down on registrations but I anticipate at least 50 more onsite registration, based on past numbers. Stott Howard with Syngenta donated \$4500.00 this year (2018) for 100 Students to attend the Industry Breakfast. The Women in Weed Science Breakfast has 49 people pre-registered to attend. Local Arrangements has done a phenomenal job and a huge thank you to Richard Proost and Tim Trower; the committee has been extremely helpful to me.

Below is a summary of past meeting preregistration:

	<i>Milwaukee</i>	<i>St. Louis</i>	<i>Des Moines</i>	<i>Indianapolis</i>	<i>Minneapolis</i>	<i>Columbus</i>	<i>St. Louis</i>
	<i>2018</i>	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>	<i>2013</i>	<i>2012</i>
Members	257	347	284	273	270	253	272
Students	89	115	107	88	90	78	73
Total	346	462	391	361	360	331	345
Final	TBD	486	426	402	401	375	411

This year:

Much of the focus has been on communication with membership. We moved over to MailChimp for email distribution and increased our online presence with Twitter and Facebook. Thanks to the strategies put forth by the Communications Working Group, we have the proposed job responsibilities for the Communications Editor which will be shown in a separate report.

The current (as of November 30, 2018) net worth of the NCWSS is \$567,372.95 which is an \$32,172.59 increase from this time last year which I suspect is from how the income and expenses fall from the Annual Meeting. Nothing out of the ordinary this year, fiscally we are operating at the same as in the last two years. We have \$213,507.67 in 5 CD's laddered such that one CD matures each year. There is \$109,794.18 invested with RBC. The attached Profit and Loss shows the distribution of income and expenses for the fiscal year 2017-18. The information will be forwarded to our accountant for tax filing (our tax year ended November 30, 2018). The finance committee met earlier this year to discuss investment strategies moving forward and we will continue these conversations for this fiscal year.

As stated last year, determining the profit/loss from the annual meeting is difficult to discern from the financial statements but I intend to provide a final report of income and expenses for the Annual Meeting on it's own after most of the activity has been reconciled.

Past President – Greg Dahl

Date of Preparation: November 29, 2018

Officer/committee Activities during the Year:

My main activity as Past-President was to oversee the solicitation and recommend 5 Distinguished Achievement Awards (DAA) from our membership. I was pleased with the makeup and service of the Distinguished Achievement Award Committee in 2018. The subcommittee that is responsible for decisions on the Outstanding Graduate Student award and the Student Travel Awards was led by Dr. Anita Dille and served admirably.

Announcements requesting nominations for DAA and Outstanding Graduate Student awards were prepared for the summer newsletter, as well as e-mail notification to the membership. Information on how graduate students could apply for the Travel Awards was also included in the newsletter.

The deadline for nominations for NCWSS Distinguished Achievement Awards was September 30, 2018. Nomination packages were received and verified for 10 candidates. The individual committee members and the committee evaluated and ranked the nomination packages. The NCWSS DAA Committee recommended and the NCWSS Board of Directors approved the following nominees to receive Distinguished Achievement Awards: Phil Westra – Research, Kevin Bradley – Education, Peter Sikkema – Education, Carla Yerkes - Industry and Richard Proost – Professional Staff. The other nomination packages will be forwarded for consideration next year.

The deadline for nominations for the NCWSS Outstanding Graduate Student Award was September 30, 2018. Nomination packages were received and verified for six candidates. The DAA Subcommittee, led by Anita Dille, evaluated and ranked the nomination packages. Marshall Hay was selected and recommended by the committee and approved by the NCWSS Board of Directors as the 2018 NCWSS Outstanding Graduate Student.

The deadline for applications for the NCWSS Graduate Student Travel Awards was September 30, 2018. Nine applications were received and evaluated. The DAA Subcommittee, led by Anita Dille evaluated and ranked the applications. The students that were selected to receive the Student travel awards were: Lindsey Gastler (MS), Kansas State University, Jose Henrique Scarparo De Sanctis (MS), University of Nebraska, Adam Leise (undergrad) University of Nebraska, Jasmine Mausbach (undergrad, start MS grad 2019), University of Nebraska, John Schramski (MS), Michigan State University and Sarah Striegel (MS), University of Wisconsin-Madison.

I submitted “Past President” articles for two NCWSS Newsletters (Spring 2018 and Summer 2018).

I also Represented the North Central Weed Science Society at the Weed Science Society of America meeting in Washington, D. C. on January 29 – February 1, 2018. I participated in the Science Policy meeting and other committee meetings at the WSSA meeting. I commend NCWSS President Christy Sprague and NCWSS WSSA Representative Greg Elmore on their

participation and representation of the North Central Weed Science Society at the WSSA annual meeting and various committee meetings. I am pleased that the NCWSS is being represented admirably.

I served on the WSSA Nominations committee, representing the NCWSS. I have been involved in ranking candidates for proposal to the WSSA Board of Directors for the next election.

I also expressed greetings and best wishes of the NCWSS to the North Central Division of the American Phytopathological Society at their meeting in Fargo, ND in June 2018.

I represented the NCWSS at the Canadian Weed Science Society meeting on November 19 – 22, 2018. I commended them on their meeting and invited them to attend the NCWSS meeting in Milwaukee on December 3 - 6, 2018.

Motions/Action Items:

None at this time.

Vice President – Stott Howard

Date of Preparation: November 29, 2018

Officer/committee Activities during the Year:

1. Perform the duties of the President-Elect if he/she is not able to serve.
 - a. No action required.
2. Serve as the NCWSS representative to the WSSA Public Awareness Committee.
 - a. Participated in twice monthly WSSA Public Awareness Committee teleconferences, providing ideas for news releases and supplying information for same. This sure is a lot of calls....
3. Serve as Vice-Chairperson of the Program Committee and assist the Chairperson in developing the program. Attend as many sectional programs as possible and check on session attendance figures to determine where improvements can be made and how well the sections are fulfilling the NCWSS needs. NCWSS MOP (revised 4/30/17) – 10.
 - a. Provided feedback as requested on symposia.
 - b. Offered to help with program, but was not asked to do much here.
4. Provide the names for the elected NCWSS Committee Vice-Chairpersons to the President-Elect
 - a. No action taken.....I understood the newly elected vice-chair information was supplied to the BOD via committee reports and I am not clear whether this is supposed to be completed during the year elected to office or the year following.
5. Evaluate the composition and activities of all NCWSS committees.
 - a. Industry. Just checking....I thought the recommendation was to have the membership be comprised of one person per sustaining membership.
 - b. Nominations. Only half of the members are active in the committee. Suggest deleting those that rarely or never participate (this is probably true for a few of the committees.
 - c. A few committees have very high membership (Strategic Planning & Resident Education) and there are some members on many committees. I propose we discuss the functionality of this....is this effective, are members engaged in their committees and would we do better with fewer committee assignments with better engagement.
6. Perform other duties delegated by the President or the Board of Directors.
 - a. Nothing requested.
7. Prepare a document containing a list of responsibilities, specific details of activities, and relevant correspondence to be passed on to the successor who fills the position.
 - a. Will prepare something by year's end.

Secretary/Treasurer - David Simpson

Date of Preparation: November 29, 2018

Officer/committee Activities during the Year:

Oversaw the board approved changes to the MOP in accordance with the MOP requirements for changes.

MOP changes approved at the summer board meeting were made to the MOP.

- 1) state director years of selection table was updated as approved by the board in July to read:

2016/2019/2022/2025	KS, MI, NE, OH, WI
2017/2020/2023/2026	IL, IA, MN, ND, ONT, WY
2018/2021/2024/2027	IN, KY, MO, SD, CO

- 2) Edits to the approved MOP changes for the Strategic Planning Committee terms updated. It now reads as follows “The Chairperson of this committee will be elected from within the Strategic Planning Committee membership for a term of three-years. If the Chair’s term of service as state director is scheduled to expire prior to the Chairperson term, then their state director’s term will automatically extend on the Strategic Planning Committee.”

Completed Electronic votes for changes in MOP that required 60 day notice an 2/3 vote by the board.

- 1) The board approved changes to Regional Director Term years. The MOP table now reads

2017/2020/2023/2026	Western region (CO, KS, NE, ND, SD, WY)
2018/2021/2024/2027	Central region (IL, IA, MN, MO, WI)
2019/2022/2025/2028	Eastern region (IN, MI, ON, OH, KY)

- 2) Limits on the number of papers and posters by a primary author.
 - a. President Elect Duties were edited to read: Review the titles submissions to ensure alignment with NCWSS principles and limit primary authors to a maximum of 2 for papers, 2 posters or one paper and one poster. Authors may present an additional invited symposium paper.
 - b. Program committee duties were expanded to include: Review titles of papers and posters that President-Elect have identified as not being aligned with NCWSS purpose or exceed limits for number of titles submitted by one primary author.

Record of the Electronic Vote of Changes to the MOP.

Officers	Names	MOP Change to Regional Director Term years	MOP Change to Limits on papers and posters
		13-Sep	15-Sep
President	Christy Sprague	yes	yes
President Elect	Aaron Hager	yes	yes
Vice President	Stott Howard	Yes	No
Secretary-Treasurer	David Simpson	yes	yes

Editor-NCWSS Proceedings	Greg Kruger	yes	Yes
Editor-Newsletter	Vince Davis	yes	yes
WSSA Representative	Greg Elmore	yes	yes
CAST Representative	Lowell Sandell	yes	yes
Past President	Greg Dahl	yes	yes
Directors at Large	Names		
Strategic Planning	Dawn Refsell	yes	yes
Extension	Debalin Sarangi		
Industry	Andy Kendig		yes
Resident Education	Rena Neha		yes
Graduate Student	Marcelo Zimmer	yes	yes
Central Region	Tim Trower	yes	
Western Region	Brady Kappler		
Eastern Region	Kelly Barnett	Yes	Yes
Votes in Favor of MOP Change		13	13
Votes in Against MOP Change		0	1
Required vote to pass		12	12

Newsletter Editor Report – Vince Davis

Date of Preparation: November 29, 2018

Officer/committee Activities during the Year:

Vince recognized the board for the opportunity to server as Newsletter Editor as he is stepping down when a new editor is selected in January.

Resident Education Committee Report – Rena Neha

Date of Preparation: November 29, 2018

Officer/committee Activities during the Year:

- Set-up and attended a webex call with weed contest hosts Brian Olson and Greg Kruger in March 2018. Another follow-up was coordinated in April/May 2018 to discuss progress.
- The rubrics of the oral score sheet for graduate and undergraduate paper/poster contest has been added to the NCWSS website in October to help students familiarize themselves with the score sheets well before the contest
- Coordinated with Kelly Mazur the call for judges for the graduate paper/poster contest and undergraduate poster contest to the NCWSS members.
- The judging assignments are ongoing. In 2018 there are 39 graduate students participating in the poster contest, 23 undergraduate students participating in the undergraduate poster contest and 40 graduate students participating in the oral paper contest.
- Reviewed the contest rules for the National Weed Science Contest to be held in Seymour, IL in 2019. Sent the final draft to the Resident Education Committee to review. This will be up for discussion at the Resident Education and Summer weed contest joint meeting on Dec 4th.
- 2018 NCWSS Weed Contest was a great success. Hosts: Brian Olson and Greg Kruger. 82 students divided into three sections: NCWSS Grad with 34 students, WSWS Grad with 18, and NCWSS Undergraduates with 30. The graduate students from K-State and NDSU competed in the West and their undergrads competed in the North Central undergrad section as there are no undergraduates from the West. There were approximately 60 volunteers at the Gothenburg site to help the day of the contest. List of the universities that competed in the contest include:
 - University of Wyoming
 - Montana State University
 - University of Illinois
 - Purdue University
 - University of Missouri
 - UC Davis
 - University of Wisconsin-Madison
 - Kansas State University
 - Michigan State University
 - Iowa State University
 - North Dakota State University
 - Western Illinois University
- 2018 NCWSS Weed Contest rules document updated.
 - Items more geared towards the host and not important to the students were deleted from the document.

- Added wild oats to the weed list as burcucumber was listed twice.
 - The site of action of Warrant and Zidua was updated from mitosis inhibitor to VLCFA in the contest rules.
- 5 spray booms and headers to along with the booms were bought for the weed contest as agreed in the NCWSS board meeting in December 2017.

WSSA Representative Report – Greg Elmore

Date of Preparation: November 29, 2018

Officer/committee Activities during the Year:

WSSA votes via email:

- Confirming award recipients to be presented at annual meeting
- 2018 annual meeting symposia proposal
- Confirm Dr. Jim Kells for the NIFA Fellow position
- Recognition of Sid Abel on retirement from APHIS
- Annual meeting locations
 - o 2021 San Antonio, TX
 - o 2023 Arlington, VA

Reviewed WSSA draft letter regarding USDA's plans to relocate NIFA outside of the National Capitol Region

Attended Science Policy calls:

- Provided link to glyphosate information on Bayer website

CAST Representative Report – Lowell Sandell

Date of Preparation: November 29, 2018

Officer/committee Activities during the Year:

As a reminder, the objective of CAST is to communicate good science to the public and policy makers. If you have ideas for proposals, please communicate these ideas to the cast representative. There are three work groups within CAST; Plant Science, Animal Science, and Food Science. NCWSS rep's time is devoted to the Plant Science work group.

- Participated in the scheduled plant working group phone conferences.
 - o Nov. 26, 2018
 - o Sept. 25, 2018
 - o Aug. 31, 2018
 - o July 26, 2018
 - o June 27, 2018
 - o May 29, 2018
 - o Apr. 27, 2018
 - o Mar. 29, 2018
 - o Feb. 28, 2018

Dr. Reid Smeda has been selected as the new CAST representative for NCWSS, and will start in that role at the 2018 NCWSS annual meeting.

The annual CAST Board Meeting was held on Oct. 23-25 in Sacramento, CA.

- CAST is continuing to focus on serving its members via:
 - o Friday notes email service.
 - o Focusing on a more active approach to social media, particularly blogging, Facebook and Twitter. Please consider following or “liking” on these platforms.
- The new chair of the Plant Working Group for 2018 is Sally Fils

CAST publications in 2018:

- Food Loss and Waste. September 2018.
- Impact of Free-Range Poultry Production Systems on Animal Health, Productivity, Environment, Food Safety, and Animal Welfare Issues. July 2018.
- Genome Editing in Agriculture: Methods, Application, and Governance. July 2018.
- Omega-3 Fatty Acids: Health Benefits and Dietary Recommendations. May 2018.
- Scientific, Ethical, and Economic Aspects of Farm Animal Welfare. April 2018.
- Regulatory Barriers to the Development of Innovative Agricultural Biotechnology by Small Business and Universities. March 2018.

Strategic Planning Committee- Dawn Refsell

Date of Preparation: November 29, 2018

Officer/committee Activities during the Year:

Committee was involved with organizing two symposiums for the 2018 meeting. One on communications and one on statistical analysis.

Communication working group worked on symposium.

Extension Report - Debalin Sarangi

Date of Preparation: November 29, 2018

Officer/committee Activities during the Year:

- Most of my activities started in October. We sent out emails requesting videos for the student video contest and received six outstanding videos. They were evaluated by 5 judges. The videos were submitted into two categories (Research and Extension; three in each). Now we need to decide how many awards will be given to the participants in each category. As I can remember, in 2017, awards were given to the first and second place winners.
- We are planning to display those videos during the poster presentation.

No symposium/presentations this year in Extension section at the NCWSS meeting.

Industry Report - Andy Kendig

Date of Preparation: November 29, 2018

Officer/committee Activities during the Year:

Below is the sustaining membership report. These results are not complete as of 11/30/2018. **This information should not be distributed.** As expected, the two mergers reduced the number of members from major herbicide manufacturers- and a decrease in funding.

ORGANIZATION	Paid in 2017	Pledged in 2018
ABG Ag Services	500	600
ADAMA	500	600
Agpro Partners Midwest	500	
Aker Technologies, Inc.	500	
Albaugh, LLC	500	
AMVAC Chemical Corp	500	
BASF Corporation	3000	3500
Bayer CropScience	3000	3500
Bellspray Inc dba R&D Sprayers	500	
Blue River Technology	500	600
CapstanAG	500	
Chemorse		600
Clariant Chemical Corporation	500	
Croda Inc.	3000	
Dow Agrosiences	1500	
DuPont Crop Protection - Corteva	1000	3500
FMC Corporation	1500	1750
Greenleaf Technologies	500	600
Gylling Data Management Inc	500	
Helena	1000	1250
Huntsman Performance Products	500	
Midwest research	500	500
Midwest research		600
Monsanto Company	3000	
Pentair Hypro	500	600
Precision Laboratories, Inc	500	
Syngenta Crop Protection	3000	3500
TeeJet Technologies	500	600
The Scotts		1250
UPI	500	1250
Valent USA Corp	3000	1250
Willmar Fabrication, LLC	500	600
Winfield United	3000	3000

Total	35500	29650
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The Industry breakfast and updates are a major part of the Thursday AM schedule at NCWSS. In 2017 attendance seemed good.

Graduate Student Report - Marcelo Zimmer

Date of Preparation: November 29, 2018

Officer/committee Activities during the Year:

- Organized the Graduate Student Luncheon in collaboration with Kristin Rosenbaum (Corteva).
- Organized the Graduate Student Tour of Miller Brewery facility.
- Participated in the NCWSS Communications Working Group.
- Managed the NCWSS LinkedIn group.

Director of Science Policy - Lee VanWychen

Date of Preparation: November 29, 2018

Officer/committee Activities during the Year:

Farm Bill Agreement Reached: A Farm Bill compromise was announced on Nov. 29. The target is for votes to be held as soon as next week. But first a conference report must be completed. They are waiting on cost estimates from Congressional Budget Office (CBO) and staff is working to finalize legal language. Senate Ag Chairman Pat Roberts (R-KS) cautioned that the process may take four or five days, meaning the actual bill may not be released until next week. Details of the deal's key provisions are sparse as of now. I do know that Senate Majority Leader Mitch McConnell's (R-KY) bid to legalize the commercial cultivation and sale of hemp made it into the final deal. The bill will remove industrial hemp from the federal list of controlled substances, and hemp growers will be able to apply for USDA programs.

Congress Still Must Pass 7 of 12 Spending Bills by Dec. 7: There are still seven unfinished FY 2019 appropriations bills: 1) **Agriculture**; 2) Commerce, Justice, and Science; 3) Financial Services; 4) Homeland Security; 5) **Interior and Environment**; 6) State and Foreign Operations; and 7) Transportation and Housing and Urban Development (T-HUD). A major sticking point in spending talks has been disputes over President Trump's proposed border wall; the president has threatened to veto legislation that does not include funding for the wall. If lawmakers are unable to reach a deal before the current continuing resolution expires on Friday, **December 7**, another stop-gap extension will be needed for those agencies that have not yet received final decisions. I anticipate a partial gov't shutdown at some point in the near future.

EPA Re-Registers Dicamba Through 2020: On Oct. 31, EPA extended the registration for two years for over-the-top use of dicamba in dicamba-tolerant cotton and soybean. The registration will automatically expire on December 20, 2020, unless EPA further extends the registration. Click [HERE](#) for details.

2019 – 2020 Dicamba Product labels: [Xtendimax with Vaporgrip](#) (Updated since Nov. 1, 2018), [Engenia](#), & [Fexapan](#).

Dicamba federal register documents: EPA has also posted several documents on the regulations.gov website pertaining to dicamba: <https://www.regulations.gov/docket?D=EPA-HQ-OPP-2016-0187>. Under "Supporting Documents" there are two documents: 1) **Dicamba Pesticide Use Limitation Areas - County list**; and 2) **The Scientific Basis for Understanding the Off-Target Movement Potential of Xtendimax**, which is a 46 pg document from Monsanto that tries to explain why (a) vapor drift occurring due to volatilization should not result in impacts off the treated field; and (b) spray drift will not occur past the label's required buffer distances in amounts that would have an adverse effect on plant height. Also, under the "Comments Section", there is a post from Oct. 31, 2018 titled "**Dicamba 2018 Comments**", which is 553 pages of documents that EPA received from stakeholders asking them to re-register, not re-register, etc. Pages 293-550 are just 1,000s of opposition signatures from the Pesticide Action Network (PAN) and Center for Biological Diversity (CBD).

Discussion of the Section 24(c) process. States have used the Section 24(c) process to get both emergency uses of pesticides and to pass more restrictive state regulations of certain pesticides. However, this summer there has been political pressure to roll back the Section 24(c) process to its original intent of allowing states only to secure emergency use exemptions of pesticides, but

not to allow states to use the Section 24 (c) process to restrict the use of pesticides (i.e. dicamba). States can still be more restrictive of the federal label, but this takes time and money. If EPA decided to deny the states the use of the Section 24(c) process to make their own determinations about the safe use of dicamba, it would be basically pulling the rug out from under the states since it would be impossible for states to go through their legislative process in time before the next growing season. At the same time, there are legitimate concerns about the use of the Section 24 (c) process from the aquatic plant management side of things where there have been unnecessary use restrictions added by states for aquatic weed control. Thoughts?

Dicamba lawsuit. The National Family Farm Coalition, Center for Food Safety, Center for Biological Diversity (CBD) and Pesticide Action Network (PAN) North America filed a lawsuit against EPA in 2017 claiming that the 2016 registration of the 3 new dicamba herbicides violated the Endangered Species Act and FIFRA. See “[Ninth Circuit Dicamba Battle](#)” for more details. If the Ninth Circuit Court of Appeals rules in favor of the plaintiffs, EPA would have to suspend the registration of the 3 new dicamba products. A decision may not occur until Feb. 2019, but could happen in the coming weeks.

Glyphosate: the WSSA Public Awareness Committee is working to put together a Fact Sheet on glyphosate safety and non-carcinogenicity. Will Bayer have a settlement of glyphosate lawsuits?

Atrazine: Ongoing registration review. Human health risk assessment comments were due Nov. 23. We will continue to work with the EPA to refine their environmental risk assessment.

EPA Liaison: Greg Kruger. Recap of the EPA staff tour of Nebraska and Iowa, Jul. 30-Aug. 3.

NIFA Fellow: Jim Kells was selected to replace Donn Shilling. Jim worked with WSSA Research and Competitive grants committee chair Steve Fennimore to submit [weed science research priorities](#) to USDA-NIFA on Nov. 28. There was funding available for a weed genomics research conference in last year’s AFRI foundational grants RFA, but no one applied.

Weed Genomics: There is a strong interest in funding for weed genomics work. The Foundation for Food and Agricultural Research (FFAR) has approached me about developing a project proposal that would receive matching funding from FFAR and private sources. For example, a better understanding of dioecy in certain weed species such as Palmer amaranth and waterhemp could lead to a novel weed control approach in which a gene drive is used to manipulate gender ratios and drive the population to extinction, similar to the sterile insect technique used to eradicate the screwworm from the U.S. I’m also working to get Pat Tranel up to Capitol Hill to present a seminar to House and Senate Ag Committee staff on this concept. This would be part of the National Coalition for Food and Ag Research’s (NCFAR) Lunch-n-Learn seminar series.

New USDA NIFA Director: Dr. J. Scott Angle began his 6 yr term as NIFA Director on Oct. 29. He was most recently President and CEO of the International Fertilizer Development Center (IFDC). He worked for 24 years as a professor of soil science and administrator for the Maryland Agricultural Experiment Station and Maryland Cooperative Extension. He also served as Dean and Director of the College of Agricultural and Environmental Sciences at the University of Georgia for 10 years.

USDA Chief Scientist Clears Nomination Hearing: Dr. Scott Hutchins had his Senate nomination hearing on Nov. 28. He will be confirmed by the full Senate this coming week. He

was the Global Head of Integrated Field Sciences for Corteva and is an entomologist by training. He will oversee the operations of USDA-ARS, NIFA, NASS, and possibly ERS.

USDA-ARS: Rosalind James, the National Program Leader (NPL) overseeing weed science has moved into a different role on Nov. 23. We expect USDA to hire a new NPL to oversee weed science and definitely want this person to be a weed scientist (and not an entomologist). USDA-ARS National Programs 304 and 305 are undergoing review and need weed science input.

Alexandra Dapolito Dunn will get EPA's Top Chemical Safety Spot

Ms. Dunn cleared her Senate confirmation hearing on Nov. 29 to lead EPA's Office of Chemical Safety and Pollution Prevention (OCSPP), which oversees the Office of Pesticide Programs (OPP) that is led by Rick Keigwin. She is an environmental lawyer and law professor specializing in water quality issues. Alexandra was the Regional Administrator for EPA Region 1 (Northeast U.S.) and prior to that, served as executive director and general counsel for the Environmental Council of States (ECOS) as well as the Association of Clean Water Administrators. Also, President Trump said last week that he plans to nominate Andrew Wheeler, acting EPA chief, to permanently lead the agency. He'll have to go through the Senate confirmation process and a vote.

Clean Bean Team: Carroll Moseley, Jill Schroeder, Heather Curlett (USDA-APHIS), Patsy Laird, Shawn Conley and I have been working to get the message out to commodity groups and farmers on recommended best practices for reducing weed seeds in U.S. soybean exports. Weeds and weed seeds are a serious phytosanitary concern and increases in herbicide-resistant weeds may be contributing to more weed seeds in harvested crops. We have a poster on this that will be at all the weed science meetings (including NCWSS). Shawn Conley and I have also put together a symposium on this topic for the WSSA meeting in New Orleans. Aaron Hager will be one of the presenters looking at cultural methods to limit weed seeds at harvest for pigweed and ragweed spp., as well as cocklebur and johnsongrass. Those 4 weed genus and species comprised 80% of the weed seeds found in shipments of soybeans to China.

USDA-NIFA Move from DC: In August, USDA announced that NIFA and ERS would be moving from D.C. While the new location for the agencies has yet to be determined, the timeframe for the move is expected to occur by the end of 2019. USDA's announcement of intent to move the agencies has garnered many concerns from the agricultural research community, including WSSA. However, the Science Policy Committee has not reached a consensus on either to support or oppose the move outright. WSSA did submit a letter to USDA Sec. Perdue with some concerns and questions. In October, USDA received 136 "expressions of interest" from various institutions and cities in 35 states to be the new host location for NIFA and ERS. Even with a Democratic House and Republican Senate, I think the move will likely go forward. My best guess would be for a USDA-NIFA in Kansas City or St. Louis.

WSSA Rep for TAG-BCAW: In June, WSSA selected Dr. John Madsen to be WSSA's new rep for the Technical Advisory Group for Biocontrol Agents of Weeds (TAG-BCAW). However, Dr. Madsen was told from USDA-ARS leadership that he cannot serve in this role. The next highest ranking candidate was Dr. Te-ming Paul Tseng, a weed physiologist at Mississippi State University. Paul was offered and has accepted this role last week. WSSA will re-evaluate this role on Mar. 1, 2020.

Syncing USDA Plants Database with WSSA Composite Lists of Weeds: At the WSSA Summer Board meeting, there was a motion to adopt the USDA Plants Database as the official source of weed nomenclature and taxonomy and discontinue WSSA's Composite List of Weeds. However, there are some issues with USDA's Plants Database that need to be resolved first. The USDA Plants Database gets 50,000 hits a day off the internet and is undergoing a major overhaul of its infrastructure and search capabilities. It's run by the USDA-NRCS out of Greenville, NC. The goal is for WSSA to work with NRCS Plants Database team to get them to adopt the 3,000 plus "official" weed names on WSSA's Composite List as the primary **common** name for that weed species on NRCS's Plants Database. In most cases, they are the same, but notable differences exist. For example the USDA Plants Database primary common name for Palmer amaranth is 'carelessweed'. For waterhemp, its 'roughfruit amaranth'. For giant foxtail, its 'Japanese bristleglass'. USDA is willing to work with the weed science community to get these common names of weeds synced up and good progress is being made.

Science Policy Intern: I need help! WSSA has agreed to put forth \$10K for an intern position to support the Executive Director of Science Policy (EDSP). I will be advertising this position starting next week. The Science Policy Intern (SPI) would likely be an M.S. or Ph.D. candidate in weed science, but terms and conditions will be flexible. The SPI would be reimbursed up to \$1,500 per trip for airfare and hotel for up to three trips (\$4,500 total). Two of those trips would be to Washington DC, and the third trip would be to attend the WSSA annual meeting following completion of the internship to provide a report to the WSSA Board of Directors. The SPI will travel to Washington DC for the first week of the internship for orientation. Following the first week, the SPI will 'telework' from their current location and provide 10 hours of work per week and receive up to \$20 per hour of work for up to 6 months (maximum 25 weeks of work for a total of \$5000). A second week long trip to Washington DC would be recommended during the course of the SPI internship to attend meetings that are of a interest to both the SPI and EDSP.

Weed Bingo proposal: I am finalizing details on a \$10,040 proposal to the WSSA Board to produce 1,000 copies of "Weed Bingo" produced by <http://lucybingogames.com/custom>. Carroll Moseley and Eric Gustafson have been instrumental in helping me put this together. We would be seeking support and input from each of WSSA's affiliated weed science societies: APMS, CWSS, NCWSS, NEWSS, SWSS, and WWS. We would need to select 42 species of weeds (total) and provide photos of each of them, plus provide 40-60 words of descriptive educational background for each species. The goal is to sell each Weed Bingo game for \$14.95 each + S&H, which is the same price as an existing "[Bug Bingo](#)" game.

Recap of UMISC/NAISMA and ASA-CSSA meetings: I attended both the Upper Midwest Invasive Species Coalition (UMISC) - North American Invasive Species Management Association (NAISMA) joint meeting in Rochester, MN and the Agronomy Society of America-Crop Science Society of America (ASA-CSSA) meeting in Baltimore, MD this fall. UMISC-NAISMA had 700+ attendees. Mark Renz was a main organizer. Congrats Mark. Are there opportunities for NCWSS to pair with these groups? At the ASA-CSSA meeting in Baltimore, there were only 3 of us that showed up for the weedy and invasive plants section meeting. However, there was a good showing of weed scientists for the turf section.

"Executive Visits Day" for Weed Science Society Presidents in DC: I need to get the presidents from each of the weed science societies to fly into DC for a couple days and pound the

pavement at USDA, EPA, DOI, etc. as well as on Capitol Hill. This would be a good project for a Science Policy Intern to help coordinate. ;-)

National Invasive Species Awareness Week (NISAW): February 25 – March 1, 2019. This is the 20th year of national invasive species/weeds events occurring. My co-host and organizer for NISAW is Rick Otis with the Reduced Risk for Invasive Species Coalition (RRISC). For the first time, we're looking at 2 additional NISAW events, one in April dealing with policy issues and one in June that will be hands-on in the field awareness. If you're interested in helping, please let me know!

National Survey of Common and Troublesome Weeds: The 2018 survey results for weeds in aquatic and non-crop areas should be posted at <http://wssa.net/wssa/weed/surveys/> by next week. The **2019 weed survey** will focus on weeds in broadleaf crops, fruits and vegetables. I am working with Debalin Sarangi, a post doc at Texas A&M and Muthu Bagavathiannan to analyze and publish the weed survey data for agronomic crops from 2015 through 2017 in *Weed Science*.

Top 10 Most Troublesome Weeds among All 3 Aquatic Area types (93 total survey respondents)

MOST TROUBLESOME

- 1 hydrilla (43)*
- 2 Myriophyllum spp. (41)
- 3 waterhyacinth (28)
- T4 alligatorweed (18)
- T4 crested floatingheart (18)
- T6 Ludwigia spp. (16)
- T6 pondweed spp. (16)
- 8 algae spp. (14)
- 9 giant salvinia (13)
- 10 Tie among 2 species (11)

* number of survey respondents who listed the weed species as one of their top 5 weeds.

- Myriophyllum spp. included Eurasian, variable and hybrid watermilfoil and parrotfeather.
- Ludwigia spp. included creeping, Uruguay, and water primrose and primrose-willow.
- pondweed spp. included curlyleaf, American and variable pondweed.
- algae spp. included Spirogyra, Pithorphora, filamentous and planktonic algae.

Top 10 Most Troublesome Weeds among all 4 Non-crop Area types (146 total survey respondents)

MOST TROUBLESOME

1	cogongrass (26)*
2	Lygodium spp. (24)
T3	Centaurea spp. (19)
T3	Canada thistle (19)
T3	privet spp. (19)
T6	Bromus spp. (17)
T6	Chinese tallowtree (17)
8	leafy spurge (15)
T9	Tie among 3 species (14)

*** number of survey respondents who listed the weed species as one of their top 5 weeds.**

- Lygodium spp. included old world and Japanese climbing fern.
- Centaurea spp. included spotted and diffuse knapweed and yellow starthistle.
- privet spp. included Chinese and Japanese privet.
- Bromus spp. included smooth and downy brome (cheatgrass).

NCWSS Committee and Officer Report

Office or Committee Name: Future Site Selection

Officer or Chairperson Name: Mark Loux

Date of Preparation: 10/22/18

Officer/committee Activities during the Year:

The committee looked at proposals from Kansas City, Omaha, Indianapolis, and Grand Rapids to place the 2021 annual meeting. Kansas City and Omaha did not meet our requirements at this time. We narrowed our selection to the Hyatt Regency and Westin in Indianapolis, and the Amway Grand Plaza in Grand Rapids. The committee chair visited all of these sites, toured the facilities, and met with the sales staff. The Amway Grand Plaza offered the best proposal, and dates that we historically prefer and that result in the highest attendance. The committee recommends the Amway Grand Plaza in Grand Rapids, MI for 2021. Some specifics: room rates - \$144 single/double/triple/quad; no food or beverage minimum; 5% rebate; 35% discount on AV; comp. rooms - 1/40; comp internet everywhere; parking - \$10 self/\$15 valet; undergraduate scholarship winner will include 3 comp. nights with breakfast and parking plus the plaque. The meeting dates will be December 6 to 10, 2021 (Monday to Thursday).

Budget needs: None

Suggestions for future: None

Current Committee members: Mark Loux, Eric Spandl, Charles Slack, Greg Dahl

Suggestions for future committee members: