



The Newsletter of the Wisconsin Section of  
the American Society of Agricultural and  
Biological Engineers

WI ASABE SECTION  
[www.wiasabe.org](http://www.wiasabe.org)



The Society  
for  
engineering  
in  
agricultural,  
food, and  
biological  
systems

### Save the Date:

Farm  
Technology  
Days & the  
WALSAA Picnic

Wednesday,  
August 13<sup>th</sup>

Farm Tech in  
Stevens Point

Picnic at  
Hancock ARS

**Wednesday - May 21, 2014**

## WI Section Meeting

Chippewa Falls, Wisconsin

### Schedule of Events

#### Tour:

**Jacob Leinenkugel® Brewing Company 3:00 pm**

Join us for a tour followed by a special Q&A with the brew master!

#### Meeting:

{at Avalon Hotel & Conference Center- Clearwater Meeting Room}

4:30 pm: Social ¾ Hour

5:15 pm – Speaker: Lynn Thompson, “Utility Scale Solar Energy”  
President and CEO of the Eau Claire Energy Cooperative

5:45 pm: Dinner

Followed by a short business meeting

#### Buffet Dinner includes:

Chicken Fried Steak, BBQ Pork Ribs, Baked White Fish, Baked Potato,  
Sweet Potato, Glazed Baby Carrots, Broccoli Salad, Three Bean Salad,  
Tossed Salad Bar and Biscuits with Honey.

### To Attend the Tour and/or the Dinner Meeting

**Please REGISTER by May 16<sup>th</sup> (Friday)**

**Registration by this date allows for an accurate dinner reservation!**

#### INSIDE THIS ISSUE

- May Meeting Schedule of Events
- Secretary/Treasurer’s Report
- Award Results
- Directions
- Registration – **New: Multi-Person Registration!**
- Officer Contact Information

## May 21st Meeting Details

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### **Tour:**

Jacob Leinenkugel® Brewing Co.  
124 East Elm Street,  
Chippewa Falls, WI 54729

### **Speaker and Meeting:**

Avalon Hotel & Conference Center  
Bridgewater Restaurant & Pub  
{in the Clearwater Meeting Room}  
1009 West Park Avenue  
Chippewa Falls, Wisconsin 54729

- 3:00pm            Brewery Tour followed by Question and Answer session with the Brew Master.
- 4:30 pm            Social ¾ Hour
- 5:15 pm            Speaker: Lynn Thompson, *President and CEO of the Eau Claire Energy Cooperative* will discuss “Utility Scale Solar Energy” which will include a presentation concerning the proposal of the Eau Claire Energy Cooperative’s “solar garden”
- 5:45 pm            Dinner with Business Meeting to follow
- Buffet Dinner includes:  
                      Chicken Fried Steak, BBQ Pork Ribs, Baked White Fish,  
                      Baked Potato, Sweet Potato, Glazed Baby Carrots, Broccoli  
                      Salad, Three Bean Salad, Tossed Salad Bar and Biscuits &  
                      Honey.

----- Dinner is \$25 per person {students free} -----

**Register Online at:** <http://www.asabe.org/meetings-events/2014/05/wisconsin-asabe-section-meeting.aspx>

MAPS AND REGISTRATION PAGE AT THE END OF THIS NEWSLETTER.

REGISTER ONLINE AND SAVE A STAMP!!!!!!

## Secretary's Report

**01 April 2014**

The March 26<sup>th</sup>, 2014 ASABE Wisconsin Section Meeting and Annual Awards Banquet was held in conjunction with the WPS Farm Show in Oshkosh with the meeting and banquet at La Sure's Banquet Hall following the show. Prior to the meeting many members attended the Farm Show.

Prior to a buffet style dinner Doug Reinemann, UW-Madison, Biological Systems Engineering Chair, gave a great update on the current state of the Agricultural and Biological Systems Engineering department, along with an idea of what aspirations the department has for the future.

A short business meeting was held. Officer reports and old business were quickly reviewed and no new business items were discussed other than the announcement of the 2014-2015 officer team. Following the meal and business items the meeting concluded with the announcement and honoring of the 2014 Section award winners. The Milestone anniversaries were also announced. Below in this newsletter is a summary of all awards and new officers. Also visit the Wisconsin section website ([www.wiasabe.org](http://www.wiasabe.org)) for pictures and details.

Respectfully Submitted,

Garritt Boettcher  
ASABE Wisconsin Section Secretary 2014-2015

# Treasurer's Report

**01 Feb 2014**

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**Opening Balance****\$6837.68****Revenue:**

<b>Date</b>	<b>From</b>	<b>Memo</b>	<b>Amount</b>
01/17/2014	Membership Dues	2 <sup>nd</sup> Reimbursement from National	\$300.00
03/27/2014	Meeting Revenue	Pay at Door (26March2014)	\$500.00
04/01/2014	Meeting Revenue	Pre-Pay (26March2014)	\$375.00

**Total: \$1175.00****Expenses:**

<b>Date</b>	<b>To</b>	<b>Memo</b>	<b>Check #</b>	<b>Amount</b>
3/13/2014	Zong Liu	Graduate Student Award	642	\$150.00
3/13/2014	Brenna Stow	Undergraduate Student Award	643	\$150.00
3/13/2014	Miles Erickson	Eng. Tech Award	644	\$150.00
3/26/2014	Data, LLC	Website Domain Renewal	645	\$27.14
3/26/2014	La Sure's Hall	Meeting and Meal	646	\$972.36
4/8/2014	Troy Runge	Reimbursement for Awards	647	\$201.46

**Total: \$1650.96****Closing Balance****\$6361.72**

Respectfully Submitted,

Garritt Boettcher  
ASABE Wisconsin Section Treasurer 2014-2015

## **2014 WISCONSIN SECTION AWARD RESULTS**

**Robert Pofahl is the recipient of the 2013 Career Achievement Award.** The purpose of this award is to honor a Wisconsin Section member who has made outstanding contributions to Agricultural and Biological Engineering through work in research, education, design, and/or extension. The selection is based on the candidate's lifetime accomplishments as an engineer.



For the past 35 years, Robert J. Pofahl has improved the environment via soil and water engineering, waste-water reclamation, land-use planning and remediating sites contaminated by agrichemicals and petroleum products and has provided designs to help prevent these kinds of contamination. Since 1987 he has led Resource Engineering Associates in Middleton, a consulting firm which focuses on environmental considerations of business development, including site selection, water resources and waste management.

He has worked on developing plans and design reports for many new and expanded dairies, including barn and parlor siting and grading plans, manure handling, treatment and storage systems, stormwater management and erosion control plans.

His primary project emphasis has been in the Midwest and have included expansions and modernization of small family dairies, and large dairies including Central Sands Dairy in Juneau County, Nehls Brothers Dairy in Juneau, Blue Star Dairy in Arlington, Crave Brothers Dairy in Waterloo, Tag Lane Farm in Ixonia, Cottonwood Farm in Wiota, Doerfer Farm in Fitchburg, Blue Star Dairy, Dane and Columbia County, and Williams Brothers in Broadhead, Wisconsin, Hidden Valley Farm, Lafayette County.

Beyond his involvement in Agriculture and ASABE, Bob is involved in the community as well. He is a member of the Middleton Chamber of Commerce's Economic Development Committee, is a regular voice at city council meetings, and is a volunteer in school and recreational activities.

Bob can be deservedly proud of his career work to date, and has a long list of professionals in the agricultural industry that he has helped. I know that all of us in the Wisconsin Section are very proud of his accomplishments and congratulate him on winning the Wisconsin Section ASABE 2014 Career Achievement Award.

**Amanda Crowe is the recipient of the 2013 Young Engineer Award.** The purpose of this award is to recognize young Wisconsin Section members for their outstanding contributions to the advancement of the Agricultural and Biological Systems Engineering profession.



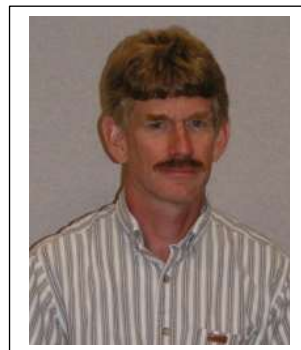
Amanda is an exemplary young professional who has done an outstanding job in her NRCS position where she provides technical assistance and guidance to individuals and groups of landowners or operators in the area of natural resources by designing components and/or systems to meet the landowner and agency goals. She also has responsibility to review other technician's designs and inspect contractor's work.

Equally important are Amanda's efforts to support her profession, ASABE, and women in engineering. Amanda has also assisted the UW-Madison Biological Systems Engineering Senior Design course with team advising on several occasions, and she independently created an "Engineering Week" competition for Wisconsin NRCS Engineers that promotes the engineering profession and that has been an annual event since 2009.

Amanda serves as a role model for women in engineering and was recognized in 2011 with the Wisconsin Federal Women's Program Award, recognizing her "leadership and dedication as well as being an exemplary role model". She was also honored with an ASABE New Face of Engineering Award in 2012. Within the Wisconsin ASABE Section, she has been an officer for the past five years serving as Vice Chair-Award (2009-2012), a role in which she has selflessly helped promote and recognize the accomplishments of others. More recently she has served as Vice Chair-Public Relations from 2012 to present.

In summary, Amanda's numerous accomplishments and selfless contributions represent the Wisconsin Section well as the 2014 recipient of the Young Engineer Award. Congratulations, Amanda!

**Scott Sanford has been selected as the recipient for the Wayne G. Russell Award.** The purpose of this award is to recognize an individual demonstrating exceptional commitment to helping the Wisconsin agricultural industry adopt new electric technology, farmstead mechanization, and farm equipment.



Scott's career in farm energy issues started during his studies at Cornell University as a graduate student of Professor David Ludington. Dr. Ludington was a long-time supporter of agricultural energy programs in New York State and established one of the leading extension programs on rural energy issues in the country in the 1980's. With this groundwork, Scott went to work for several milking machine manufactures and maintained an intimate connection to agriculture and the energy aspects of efficient milking and milk cooling.

Scott joined the University of Wisconsin department of Biological Systems Engineering in 2003 as an outreach specialist. He has done an outstanding job at establishing a strong extension program in agricultural energy management working with on projects funded by USDA's Natural Resource Conservation Service, the Sustainable Agriculture Research and Education (SARE) program and other public and private agencies. Scott's efforts to develop and energy efficiency web site with on-line calculator have established the UW as the leading ag-energy extension program in the country. Scott has produced dozens of extension publications on agricultural energy management, developed a strong working relationship with county agents and also started a new agricultural energy management course for the UW's Farm and Industry Short Course. He also coordinates the energy displays in the Applied Technology Center tent at the WI Farm Technology Days show.

Scott was the program leader for a regional professional development program that recently ended to educate extension agents, NRCS personnel and other educator on energy efficiency for key agricultural enterprises. This group also developed an on-line curriculum entitled On-Farm Energy Conservation & Efficiency Series to aid in educating others about different efficiency measures. The modules include field operations, dairy farm efficiency, grain drying, irrigation, animal housing and greenhouses.

Scott is frequently asked for advice and to make presentations on energy efficiency both within Wisconsin and outside. He was awarded the 2009 Rural Electricity Resource Council Electric Technology Award for his energy work and his series of five factsheets on greenhouse energy efficiency was awarded an ASABE Blue Ribbon for educational aids in 2012. He has a long list of his publications in the rural energy area and is responsible for making the UW a national leader in this area. He has made enormous contributions to agriculture and specifically energy issues in agriculture and is most deserving of this award. Alliant and all of us at ASABE would like to congratulate Scott, our 2014 Wayne G. Russell award recipient.



**Brenna Stow of UW-Madison is the recipient of the Biological Systems Engineering Student of the Year Award.** The purpose of this award is to recognize an undergraduate student in preparation for a career in the profession.

Brenna has been involved with the UW-Madison chapter of ASABE for three years now, and currently serves as the student chapter Vice President. Previously, she compiled the AEM report for the chapter. The club received third place in the national competition for this document. Other ASABE activities she has been involved with include industry tours, last year's Midwest Regional Rally, and volunteer opportunities. Finally through ASABE, she recently organized an activity for the Wisconsin Science Olympiad Invitational for middle and high school students.



Brenna is also very active in the UW Band. Although, the band and ASABE clubs keeps her pretty busy outside of class, Brenna also finds time to help mentoring students and volunteering for environmental projects and has helped remove invasive plant species through a program at the UW Arboretum.

After graduation Brenna plans to travel and continue her study of water management and ecological issues in graduate school. Congratulations Brenna, on a successful college career thus far, we know you will continue to do well!

**Miles Erickson of UW-River Falls is the recipient of the Engineering Technology Student of the Year Award.** The purpose of this award is to recognize an undergraduate enrolled in an Agricultural Engineering Technology, Agricultural Mechanization, or Agricultural Mechanization and Management program for achievement in preparation for a career in the profession.



Miles is a sophomore majoring in Agricultural Engineering Technology at the University of Wisconsin-River Falls. He is involved with Quarter Scale Tractor Club also, is the President of the Ag. Industries Club on campus. Back at home, he volunteers with his church during winter and summer break, and is always willing to help out family and neighbors on their farms. Additionally during the winter break this year I volunteered to help run the high school Science Olympiad hosted by UWRF.

Miles is very involved in the Ag Engineering Technology department and all the organizations he is involved with. Upon graduation, Miles would like to pursue a career as a test engineer. With Mile's can-do attitude and already long list of accomplishments, we are sure he has a bright future ahead of him.

Congratulations to Miles!



**Zong Liu is the recipient of the Biological Systems Engineering Graduate Student of the Year Award.** The purpose of this award is to recognize a graduate student enrolled in a Biological System Engineering program for singular achievement in developing and or advancing the technology of engineering for food and agriculture.

Zong became involved in ASABE when he came to UW as a Ph.D. student in BSE. He has a broad research interests including horticulture to protein biochemistry to bacteriology. He has applied this wide range of expertise to a research project where is investigating means to separate manure to allow improved nutrient, carbohydrate, and protein utilization. In this project he regularly works at both lab scale and on-farms working performing compositional and microbiological assays, easily shifting from engineering to biology to biochemistry. He has already published portions of his research as both conferences proceedings and agricultural journals.



Zong is active in ASABE having served as student chapter webmaster, volunteer for fund-raising events, and active presenter and participant at both National and State ASABE meetings. Upon graduation, Zong's goal is to be a professional who is not only involved in academic research but also closely connected with industry where he can apply his ideas to solve environmental concerns such as animal waste treatment and renewable energy production. Congratulations Zong!

### **Milestone Membership Anniversaries**

#### **25 Years**

Donald Marty

#### **40 Years**

Brian Holmes

Larry Dawson

#### **50 Years**

Richard Koegel

#### **60 Years**

Kenneth Fiske

#### **63 Years**

Frederick Buelow

## May 21<sup>st</sup> Meeting Location

### Tour (3pm)

Jacob Leinenkugel® Brewing Co.  
124 East Elm Street,  
Chippewa Falls, WI 54729  
715-723-5557



### Directions from the South

1. Travel on **I-94 W** toward **Eau Claire**

71.7  
mi
2. Take exit **70** for **US-53 N** toward **Eau Claire**

0.6 mi
3. Slight right onto **US-53 N**

9.3 mi
4. Take exit **95A** to merge onto **WI-29 E/WI-29 Trunk E** toward **Green Bay**

3.2 mi
5. Take exit **79** toward **Chippewa Falls/WI-29 BUS/WI-178**

0.3 mi
6. Turn left onto **WI-29 BUS W/Seymour Cray Sr Blvd**  
Continue to follow WI-29 BUS W

0.7 mi
7. Slight right toward **WI-124 N** (signs for **Wisconsin 124 N/Wisconsin 29 Business/Chippewa Falls/Downtown**)

0.4 mi
8. Continue straight onto **WI-124 N**

0.8 mi
9. Slight right onto **Rushman Dr**

0.4 mi
10. Slight right onto **E Columbia St**

108 ft
11. Continue onto **N High St**

0.3 mi
12. Turn right onto **E Elm St**  
Destination will be on the left

## **Bridgewater Restaurant & Pub {at the Avalon Hotel and Conference Center}**

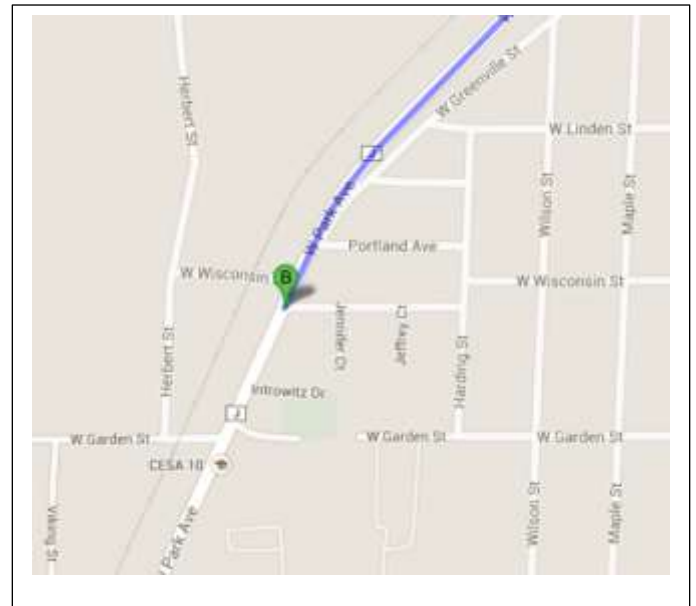
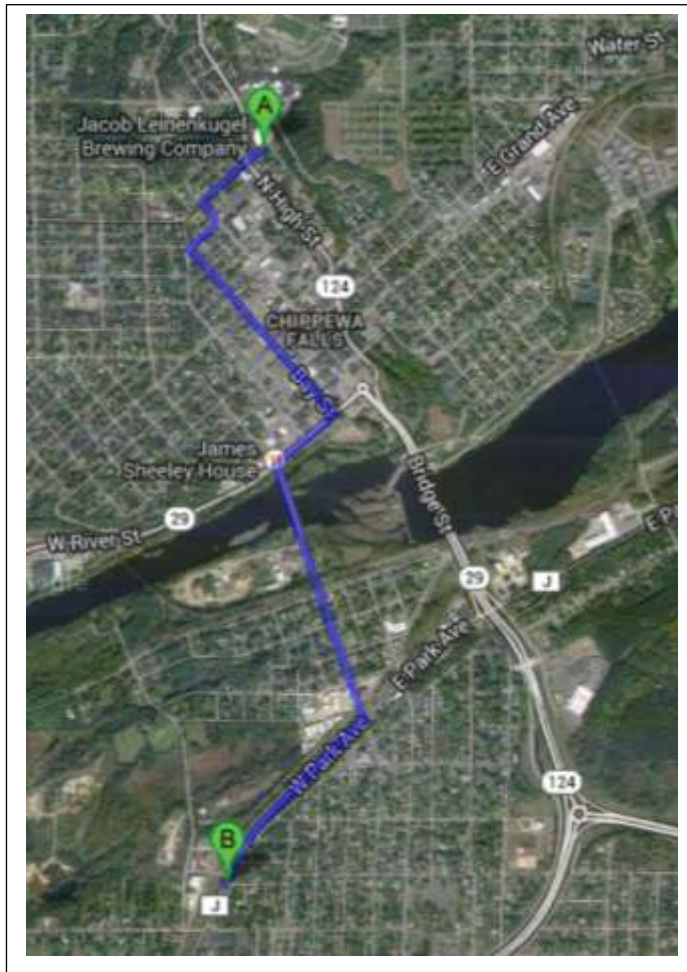
1009 West Park Avenue

Chippewa Falls, Wisconsin 54729

Phone (715) 723-2281

### **Directions from Leinenkugel's to Bridgewater:**

1.	Head <b>southwest</b> on <b>E Elm St</b> toward <b>N High St</b>	0.2 mi
2.	Turn <b>left</b> onto <b>N Bridge St</b>	354 ft
3.	Turn <b>right</b> onto <b>W Cedar St</b>	400 ft
4.	Turn <b>left</b> onto <b>Bay St</b>	0.5 mi
5.	Turn <b>right</b> onto <b>W River St</b>	0.2 mi
6.	Take the 1st <b>left</b> onto <b>Main St</b>	0.6 mi
7.	Turn <b>right</b> onto <b>W Park Ave</b>	0.5 mi



## REGISTRATION PROCESS – WITH ONLINE PAYMENT!!!!

1. Go to this link to register: <http://www.asabe.org/meetings-events/2014/05/wisconsin-asabe-section-meeting.aspx>

**Meetings & Events**

**Wisconsin ASABE Section Meeting**

Date: May 21, 2014  
Location: Chicago, IL, US

The Wisconsin ASABE Section Meeting will be held on Wednesday, May 21, 2014. A tour is scheduled at the Jacob Leventhal/Henry Company at 8:00 pm. The Specialty Tour will be followed by a Question and Answer session with the Show Master.

Aviation Hotel and Conference Center, Chicago, IL, US

5:00 PM – Time  
4:30 PM – Social Hour (cash bar)

10:15 PM – Reception followed by dinner and meeting

COST: \$20 members and non-members. Free for students.

Registration deadline: Friday, May 30

[To Register click HERE](#)

**Online Event Registration**

In order to receive the member rate, you must login with your ASABE member ID and password. If you are not a member, you can create a new account during the registration process. If you are a non-member, but have been given an ASABE login name and password, please follow the "Member Login" link; you will be charged non-member rates for any events.

May 13-16, 2014: 2014 ASABE Annual International Meeting  
\*\*\* Member Login or Create a Non-member Account

June 18-21, 2014: 2014 ASABE Florida Section Meeting  
\*\*\* Member Login or Create a Non-member Account

July 27-30, 2014: 2014 ASABE Hawaii Meeting  
\*\*\* Member Login or Create a Non-member Account

May 21, 2014: Wisconsin ASABE Section Meeting  
\*\*\* Member Login or Create a Non-member Account

2. If you are a member-log in, if you are not a member create a non-member account.

3. Once you are logged in you will be taken to a page where you can:
  - a. Update your contact information if needed
  - b. Click on "Start Registration Process"

Don't forget the default password is your 4 digit birth year + 2 digit birth month

4. The Registration process will take you through the following steps:

- a. Page 1: Change your personal information if needed
- b. Page 2:
  - i. Members and Guests, choose the Dinner Buffet for \$25
  - ii. Students, choose the student option for \$0
- c. Page 3:
  - i. Choose if you are attending: JUST the dinner and meeting --OR-- the TOUR, Dinner and Meeting.
- d. Page 4:
  - i. You can add additional people to your registration
  - ii. Click "Finished Adding People" if you do not need to add anyone to your registration.
- e. Page 5:
  - i. Members and Guests can enter their credit card or chose "pay at the door"
  - ii. Students just click the "finish" button to register

If you need to change your registration just log back in... you can change or cancel your registration online! Refunds will be given for cancelations before Friday May 16<sup>th</sup> 2014.

## REGISTER ONLINE AT:

<http://www.asabe.org/meetings-events/2014/05/wisconsin-asabe-section-meeting.aspx>

### REGISTRATION SECTION MEETING Tuesday, May 21st 2014

	Number Attending	Cost	Total
Tour at Leinie's (3pm)	_____	NO COST	-----
Dinner @ Avalon Hotel and Conference Center/Bridgewater Restaurant	_____	\$25/person students free	\$_____

#### Information:

Name(s): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
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 \_\_\_\_\_  
 \_\_\_\_\_

Address: \_\_\_\_\_  
 City/Town: \_\_\_\_\_ State/Zip \_\_\_\_\_  
 Telephone: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ FAX: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_  
 e-mail: \_\_\_\_\_

Be sure to mail out a few days before **Friday May 16<sup>th</sup>, 2014** so that it arrives on time to:

Bryan Rowntree  
 304 2nd Street  
 Brodhead, WI 53520

## ***Wisconsin Section ASABE 2014-2015 Officer Team***

**Chair**

Richard Straub  
UW-Madison  
(608) 262-3311

**Past Chair**

Richard Straub  
UW-Madison  
(608) 262-3311

**Vice Chair Program (Chair-Elect)**

Bryan Rowntree  
Kuhn North America  
(608) 897-2131

**Vice Chair Awards**

Chris Tamm  
Landoll  
(785) 562-4601

**Vice Chair Membership**

Shane Williams  
Kuhn North America  
(608) 897-2131

**Vice Chair Public Relations**

Amanda Crowe  
USDA-NRCS  
(608) 576-7651

**Secretary and Treasurer**

Garritt Boettcher  
John Deere Horicon Works  
(920) 485-5792

**Webmaster**

Nate Dudenhoeffer  
Dudenhoeffer Agricultural Technology  
(608) 432-5617

**Career Development Committee**

Rod Zimmerman  
Kuhn North America, Inc.  
(608) 897-2131

Tom Hoffman  
Kuhn North America  
608-897-2131

Chris Horton  
Digi-Star  
(920) 568-6258

**Nomination Committee**

Bill Bassett  
Kuhn North America, Inc.  
(608) 897-2131

Troy Runge  
UW-Madison  
608-890-3143