

Newsletter Highlights

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- Challenges of the Future
- G.B. Gunlogson Student Design Competition
- Meeting Registration - Complete & Send

ASABE WISCONSIN SECTION

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



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

October 2008

2008-2009 Editor: Bill Bassett
email:

bill.bassett@kuhnnorthamerica.com

www.wiasabe.org

Published Three Times Per Year

ASABE WI Section 2008-2009

Chair

Randy Clark
RCI Engineering LLC
(920) 583-3590

2007-2008 Past Chair

Scott Sanford
UW-Madison
(608) 262-5062

Vice Chair Program (Chair-Elect)

Neal Stoffel
Kondex Corporation
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Vice Chair Membership

Damion Babler
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Vice Chair Public Relations

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Vice Chair Career Development

Garritt Boettcher
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(920) 485-5792

Secretary and Treasurer

Matthew Digman
USDA-ARS
(680) 890-1320

WISCONSIN SECTION MEETING WEDNESDAY, OCTOBER 1ST, 2008 WORLD DAIRY EXPO

The ASABE Wisconsin Section meeting will be held on Wednesday, October 1st in conjunction with the World Dairy Expo Show. The show is held every year at the Alliant Energy Center in Madison. The show runs from September 30th – October 3rd, with exhibits open from 9:00am to 5:00pm.

The show features modern dairy equipment and the newest dairy technology and innovations, including animal health supplies, milking systems, feeding products, forage handling and manure equipment plus embryos, semen and genetic research. It also has North America's top dairy cattle competing for honors in seven breed shows.

At 3:30, there will be a tour of the new dairy facility at the Arlington Agricultural Research Station in Arlington (see map) followed by a social time and buffet style dinner including honey glazed ham and sliced roasted turkey breast with gravy at the Rodeside Grill in Windsor (see map). At 6:00, William A. Johnson, Manager of Biofuels Development at Alliant Energy will speak about Biomass – An Asset for Rural America.

A brief meeting to discuss any new business will follow.

DO YOU WANT FREE GAS? Read the newsletter to see how you could win.

Schedule of Events/Information

World Dairy Expo

The Alliant Energy Center, Madison, WI

Exhibit Hours: 9:00am-5:00pm

Show and Judging Hours: See www.worlddairyexpo.com for specific times

Arlington Agricultural Research Station Tour

N695 Hopkins Rd. Arlington, WI 53911

Tour: 3:30-4:30

Dinner / ASABE Dinner / Presentation / Business Meeting

Rodeside Grill 6317 Rostad Dr. Windsor, WI 53598

Social time: 4:45 – 5:30 pm

Dinner: 5:30 – 6:00 pm

Program Speaker: 6:00 – 6:45pm

William A. Johnson - Manager, Biofuels Development at Alliant Energy

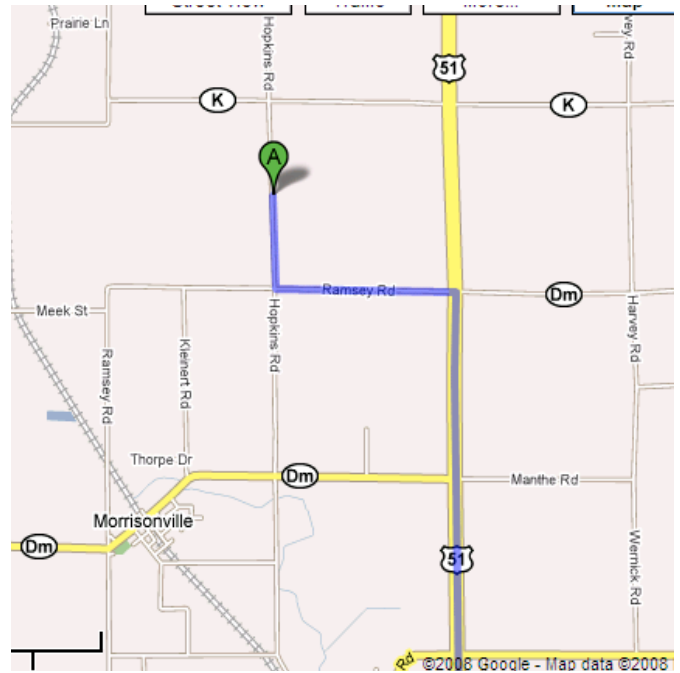
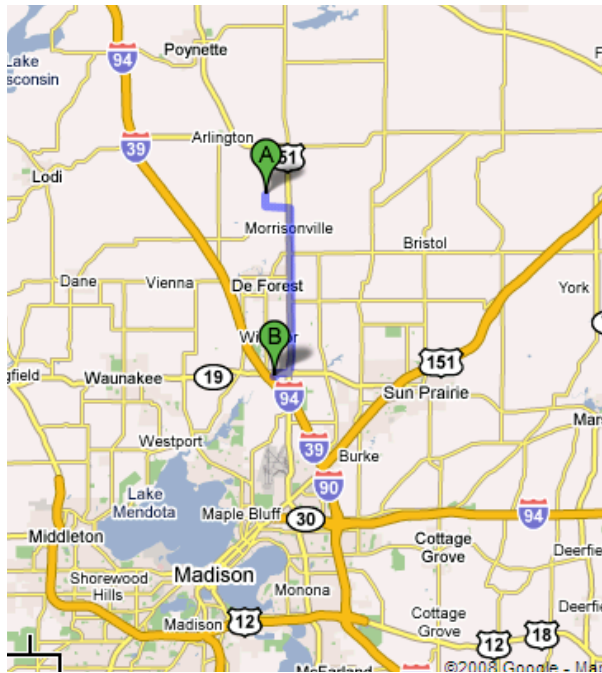
Topic: **Biomass – An Asset for Rural America**

Business Meeting: 5:30 pm

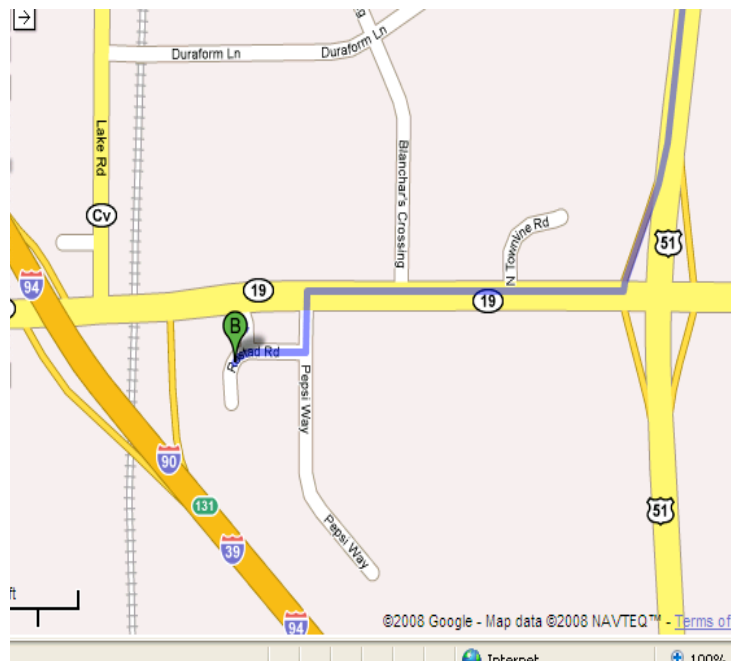
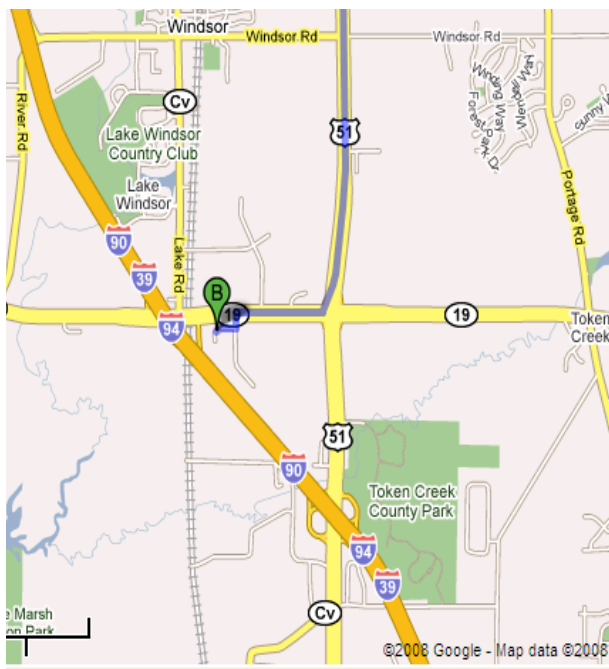
YOU COULD WIN FREE GAS: Everyone knows how the price of gas has impacted traveling. In an effort to help, (2) lucky people will receive a \$25 gas card to be drawn following the section meeting. To qualify, simply attend the October 1st section presentation and meeting.

Adjourn

Directions to the Arlington Research Farm (A on Map)



Directions to the Rodeside Grill (B on Map)



Secretary's Report

03 September 2008

The summer meeting of the ASABE Wisconsin Section was held on July 16, 2008 in conjunction with Wisconsin Farm Technology Days (Greenleaf, WI). The business meeting and dinner were hosted in cooperation with the WALSAA picnic at the Wayside Dairy Farm (Greenleaf, WI). Inclement weather resulted in early closure of the farm show; however, approximately twenty members were able to attend the tour at Holsum-Elm Dairy (Hilbert, Wisconsin) and ASABE business meeting.

1. Wisconsin ASABE Section Chair, Randy Clark called the meeting to order at approximately 6:00 PM.
2. Neal Stoffel, vice chair – program, and Matthew Digman, secretary/treasurer gave reports for their respective offices.
3. Randy Clark announced that ten new members were added to the Wisconsin Section.

Bradley Brooks	University of Wisconsin – Madison
Sam Clements	University of Wisconsin – Platteville
Jeffery Duncan	University of Wisconsin – Madison
Richard Hasselman	GDS Associates, Inc.
Joseph Keene	University of Wisconsin – Madison
Kyle Kress	University of Wisconsin – Platteville
Mohd Fadzri Musa	University of Wisconsin – Madison
Lisa Schiller	Shawano, WI
Darrin Sherstad	University of Wisconsin – Madison
Douglas Wilcox	MSA Professional Services

4. A check from headquarters was issued for the new membership.
5. Revision to the By-laws to add the ASABE name (previously ASAE) and Webmaster officer position were presented and unanimously approved.
6. Meeting was adjourned.

A tour of the Wayside dairy farm followed the meeting. The tour focused on their new manure separation facility.

Respectfully Submitted,

Matthew Digman
ASABE Wisconsin Section Secretary 2008-2009

Treasurer's Report

03 September 2008**Opening Balance****\$6,248.23****Revenue:**

Date	From	Memo	Amount
09/12/2008	ASABE Hq.	Check #53896	\$560.50
09/12/2008	ASABE Hq.	Membership Check #54226	\$320.00
09/12/2008	ASABE Hq.	WI Farm Tech Meeting Dues	\$230.00

Total: \$1,110.50**Expenses:**

Date	To	Memo	Check #	Amount
08/10/2008	Matthew Digman	8/10 Officer Meeting Dinner	563	\$124.92*
08/10/2008	Matthew Digman	wiasabe.org Domain Fee	564	\$10.00*
07/16/2008	WALSAA	WI FTD Joint Meeting	565	\$190.00*

*Check is outstanding (has not posted on our account).

Total: \$324.92**Closing Balance****\$7,358.73**

Respectfully Submitted,

Matthew Digman

ASABE Wisconsin Section Treasurer 2008-2009

Challenges of the Future

What is the American Society of Agricultural and Biological Engineers – ASABE? Who are its members? What do they face in the future of their profession? .

ASABE is a global organization that includes members from more than 100 nations. We strive for a global contribution to the advancement of engineering education, professional practice, and technical communication. ASABE is the leader in the development of standards in the agricultural and biological profession. It also hosts technical conferences around the world. It strives to achieve open communication and the sharing of ideas to aid in the solving of world issues.

Upon the initial investigation of our organization, one must dive into the profession of its members and take a look at their diversity. How does one summarize our profession? Our members cover a full breadth of interests and focuses in their careers. They have regard for mechanical, structural, natural resource, and food technology design. They work on a local, regional, national, and global level solving problems and furthering the productivity of the profession through ingenuity, tenacity, and labor. We are made up of individuals involved in industry and research that continue to enhance and improve the world around us.

The challenges that lay ahead of us in the future will revolve around the conservation of energy, the production of food to feed the world, and enhancing the quality of our drinking water. We will need to protect and preserve the environment we live in by reducing our carbon footprint. This will challenge our members to further enhance their skills, implement new technology in designs, and be creative in the quest to meet these global needs. As former president Bill Clinton mentioned at the 2007 ASABE Annual International Meeting, “The challenges facing the world are an engineer’s dream!”

Respectfully submitted,
Damion Babler
Vice Chair Membership – ASABE WI Section

G.B. Gunlogson Environmental Student Design Competition

The purpose of the G.B Gunlogson Environmental Student Design Competition is to encourage undergraduate students to participate in the design of a relevant engineering project and to provide an arena of professional competition for environmentally and biologically related design projects. The competition consists of a design report, which is judged by an expert panel, and participation by the three teams earning the highest report scores in a presentation competition at the ASABE Annual International Meeting.

Joseph Hanson, Mohd Fadzri Musa and Darrin Sherstad, seniors from BSE, competed in the Open Competition this year. They traveled to Providence, RI to present their project titled Arbor Hills Greenway Stormwater Infiltration System Design and received 1st place.

REGISTRATION
WORLD DAIRY EXPO
October 1st, 2008

	<u>Number Attending</u>	<u>Cost</u>	<u>Total</u>
Arlington Agricultural Research Station Farm Tour – 3 :30pm	_____		
Dinner – 5:30 pm (social time starts at 4:45 pm)	_____	\$20.00/person students free	\$ _____

Information:

Name(s): _____

Address: _____

City/Town: _____ State/Zip _____

Telephone: (____) _____ - _____ FAX: (____) _____ - _____

e-mail: _____

Return completed form and send by **September 24th** to:

Neal Stoffel

ASABE Wisconsin Section Program Chair
Kondex Corporation
1500 Technology Drive
Lomira, WI 53048
P: 920-269-7932
F: 920-269-7091
nstoffel@kondex.com

Newsletter Highlights

- Spring Meeting
- Schedule of Events
- Directions
- Call for NAE Award Nominations
- Secretary/Treasurer's Report
- Officer Ballot - Complete & Send
- Call for Section Award Nominations
- Meeting Registration - Complete & Send

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Randy Clark
RCI Engineering LLC
(920) 387-9804

Vice Chair Awards

Bob Satori
Manitowoc Cranes
(920) 683-6329

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

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Jeff Marggi
Kuhn North America, Inc.
(608) 897-2131

Secretary and Treasurer

Matt Digman
USDA-ARS
(680) 890-1320

WISCONSIN SECTION MEETING WEDNESDAY, APRIL 2ND WISCONSIN PUBLIC SERVICE FARM SHOW

**The ASABE Wisconsin Section meeting will be held on
Wednesday, April 2nd in conjunction with the Wisconsin
Public Service Farm Show.**

**The 48th annual Farm Show runs from April 1st to the 3rd
and will be held at the EAA (Experimental Aviation
Association) grounds in Oshkosh. The show will have
more than 350 vendors covering over 700 booths. The
show is expected to draw visitors from throughout the
Midwest to see the latest in Agriculture Technologies.**

**Following the show, there will be a tour of Kondex
Corporation at 5:00 followed by a dinner at 6:30. This will
be followed by a meeting to discuss any new section
business and present section awards.**

Schedule of Events/Information

Wisconsin Public Service Farm Show:

EAA Grounds, Oshkosh, WI 54901

www.wisconsinpublicservice.com/farm/farmshow.aspx

Farm Show: 9:00am – 4:00pm Tuesday/Wednesday
9:00am – 3:00pm Thursday

Admission is free. Parking costs \$2/vehicle

Kondex Corporation Tour and Dinner:

1500 Technology Drive, Lomira, WI 53010

www.kondex.com

Meet at Kondex: 4:30-5:00 pm
Tour: 5:00 pm
Refreshments: 6:00 pm
Dinner: 6:30 pm

Kondex Corporation, a privately owned company founded in 1974, is a manufacturer of engineered cutting parts for the agricultural and commercial lawn & turf care markets. These include sickle sections for combines and sickle mowers, disc mower blades, aerator tines, and sod cutter blades. The tour will be of the company's new, larger manufacturing facility they have recently built and moved into.

Kondex has graciously offered to cover the cost of the dinner and refreshments. No alcohol will be served as company policy does not allow alcohol in the facility.

Business Meeting and Awards Presentation

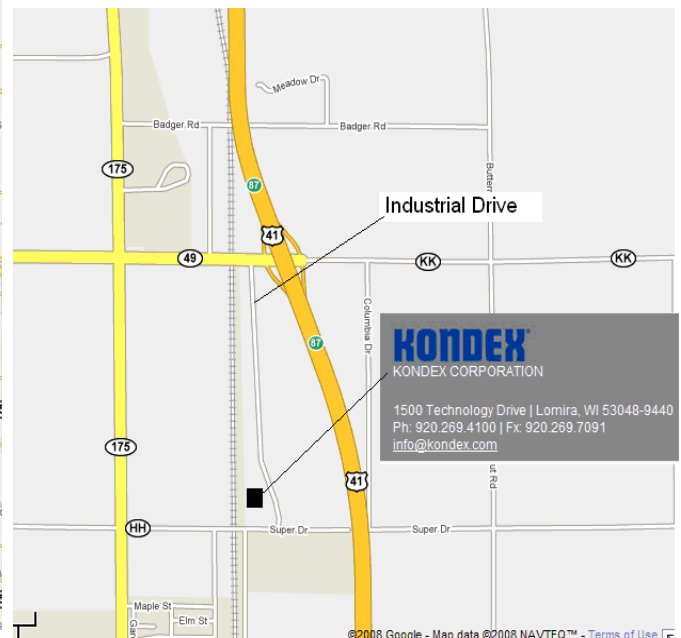
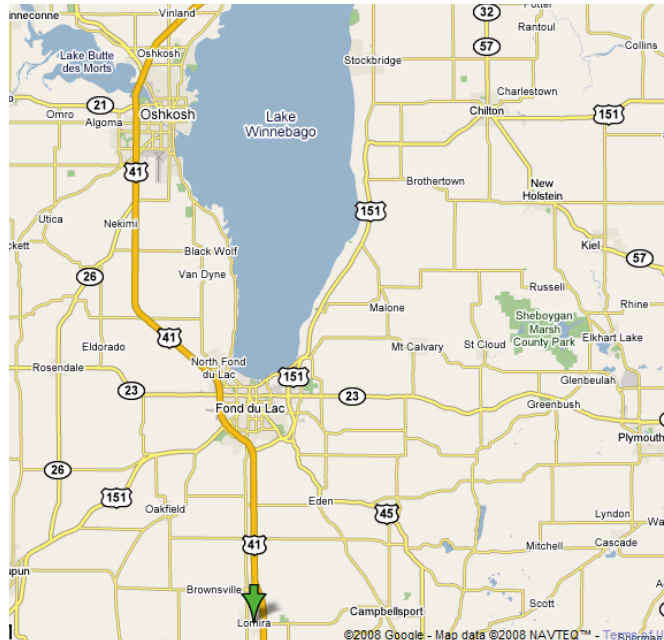
7:00 pm

Adjourn

Directions to Kondex Corporation

From Oshkosh: Highway 41 south to Highway 49 in Lomira. Go west on overpass. Take first left onto Industrial Drive. Take right onto Technology Drive. It is about a 20 minute drive from the EAA grounds to the Kondex facility.

From Milwaukee: Highway 41 north to Highway 49 in Lomira. Go west on overpass. Take first left onto Industrial Drive. Take right onto Technology Drive.



National Academy of Engineering (NAE) Call for Nominations

There is a Call for Nominations for the National Academy of Engineering's five awards. These awards are the Charles Stark Draper Prize, Fritz J. and Dolores H. Russ Prize, Bernard M. Gordon Prize, Founders Award, and the Bernard M. Bueche Award. You may contact the NAE Awards Office at (202) 334-1266 for further information, or visit the NAE website, www.nae.edu/awards to learn more about these prizes and to download nomination forms.

If you want to nominate someone for one of these awards, nominations are due at NAE by April 4, 2008.

Secretary's Report

22 February 2008

The fall meeting of the ASABE Wisconsin Section was held on 24 October at the Fredrick Center located in Madison, WI. A tour of Agrecol's Rock Prairie Ethanol Facility and Native Plant Center and a presentation by ASABE president Don Erbach titled "Bioenergy Specialty Crops and More" preceded the meeting.

1. Scott Sanford called the meeting to order at 7:30 PM; students and guests were introduced.
2. The treasurer's report was presented and approved as printed in the newsletter.
3. The secretary's report was presented and approved as printed in the newsletter.
4. Neal Stoffel of Kondex offered to host the next ASABE meeting and tour. This meeting would be held in conjunction with the WPS farm show.

The meeting closed after a few words from ASABE president Don Erbach and a question and answer session regarding:

- ASABE and international involvement
- CIGR and other society interactions
- ASABE structure including: nominating committee, board of trustees
- Need for a searchable title/abstract for ASABE database was recognized
- High school outreach including high school competitions

Respectfully Submitted,
Matthew Digman
ASABE Wisconsin Section Secretary 2007-2008

Treasurer's Report

22 February 2008

Opening Balance	\$8463.14
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Revenue:

<u>Date</u>	<u>From</u>	<u>Memo</u>	<u>Amount</u>
10/24/2008	Fall Meeting	Meeting Dues	\$620.00

Total: \$620.00

Expenses:

<u>Date</u>	<u>To</u>	<u>Memo</u>	<u>Check #</u>	<u>Amount</u>
11/21/2007	WALSAA	Joint Meeting – FTD	554	\$400.00
11/27/2007	Scott Sanford	Officer Meeting Dinner	556	\$38.33
11/27/2007	UW Extension	Meeting – Fredrick Center	558	\$930.00

Total: \$1368.33

Closing Balance	\$7,714.81
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2008 ASABE Nominations for WI Section Officers

Vice Chair-Program (Chair Elect)
(vote for one)

_____ Neal Stoffel

Career Development Committee
(vote for three)

_____ Garritt Boettcher (Chair)
_____ Nathan Ryan
_____ John Panuska

Secretary/Treasurer
(vote for one)

_____ Matt Digman

Vice Chair-Awards
(vote for one)

_____ Jeff Marggi

Vice Chair-Membership
(vote for one)

_____ Damion Babler

Vice Chair-Public Relations
(vote for one)

_____ Bill Bassett

Nomination Committee
(vote for two)

_____ Kevin Klubertanz
_____ Naomi Ulenhake

Please fill out this ballot and return by Friday March 28th, by email or to the address below.
Officers will be announced at the Section Meeting on Wednesday, April 2nd.

Randy Clark

ASAE Wisconsin Section, Program Chair

RCI Engineering LLC

970 Metalcraft Drive

Mayville, WI 53050

P: 920-387-9804

P: 888-472-4552 (Toll Free)

F: 920-387-9806

clark@rciengineering.com

www.rciengineering.com

“Call for Section Award Nominations”

Contact: Bob Satori

Each year the Wisconsin Section of the ASABE recognizes outstanding achievement during award presentations at its spring meeting. Wisconsin Section awards scheduled to be given in 2008 include the Agricultural and Biological Systems Engineering Young Engineer Award, the Agricultural Engineering Student of the Year, the Agricultural Mechanization/Engineering Technology Student of the Year, the Agricultural Engineering Graduate Student of the Year, and the Wayne G. Russell Award.

Although deadline for nomination of these awards is **March 14th**, now is the time to begin submitting nominations. Please realize that without your recommendations and assistance, those most deserving of our awards may go unrecognized.

The purpose, eligibility and nomination procedures for each award follow. All nominations/suggestions should be forwarded to Bob Satori, this year's Vice Chair of Awards.

Bob Satori
Manitowoc Crane Group
PO Box 70
Manitowoc, WI 54221-0070
920-683-6329
Robert.Satori@manitowoc.com

WISCONSIN SECTION OF ASABE

AGRICULTURAL AND BIOLOGICAL SYSTEMS ENGINEERING

YOUNG ENGINEER AWARD

Purpose: This award is to honor a young Wisconsin Section member for outstanding contributions to the advancement of the Agricultural and Biological Systems Engineering profession. The selection will be based on a candidates' total accomplishments as an engineer and not just on their activities during the past year.

Eligibility: The recipient must be a member of the Wisconsin Section of the ASABE in good standing and under the age of 40 as of January 1st of the year in which the award is presented.

Nomination Procedures: Nominations can be made by an individual (member or nonmember), group, company, or organization. Suggested data and areas of activity to be considered in preparing a nomination include:

1. Candidate's name, address and phone number.
2. Employment history including titles and duties.
3. Activities in ASABE. Offices held, committee activity, special awards, special duties, Section activities, etc.
4. Activities and membership in other professional and scientific societies or organizations. Membership, offices held, committee activities, special awards, special assignments, etc.
5. International professional activities.
6. Registration as a professional engineer.
7. Accomplishments. Patents held, research development, methods and procedures developed, responsibilities in the development of equipment, structural systems, conservation methods, food processes, etc.
8. Publications, lectures, addresses, professional and scientific papers, books, bulletins, industrial publications and magazine articles.
9. Other desirable qualifications not included in the above suggestions.

A cover letter from the nominator, not to exceed 400 words, should be added to the above information summarizing the reasons for the nomination.

WISCONSIN SECTION OF ASABE AGRICULTURAL ENGINEERING STUDENT OF THE YEAR

Purpose: To honor an undergraduate Agricultural Engineering student for achievement in preparation for a career in the profession. \$150 monetary award is included in addition to the recognition.

Eligibility: The recipient must be enrolled in an Agricultural Engineering program, must be a member of an authorized ASABE Student Branch, a national member (student or otherwise) of the ASABE, and must be making satisfactory progress toward a Bachelor's degree (as determined by the Student Branch faculty advisor). Students who have graduated prior to January 1st of the year in which the award is to be made are not eligible.

Nomination Procedures: To be considered for this award, the candidate must submit a maximum of a one page typewritten summary describing the following:

1. ASABE Student Branch activities,
2. Campus wide activities and community service,
3. Scholastic achievement, and
4. Career goals.

The four areas within the summary will be equally weighted by the selection committee.

WISCONSIN SECTION OF ASABE AGRICULTURAL MECHANIZATION/ENGINEERING TECHNOLOGY STUDENT OF THE YEAR

Purpose: To honor an undergraduate student enrolled in an Agricultural Engineering Technology, Agricultural Mechanization, or Agricultural Mechanization and Management program for achievement in preparation for a career in the profession. \$150 monetary award is included in addition to the recognition.

Eligibility: The recipient must be enrolled in an Agricultural Engineering Technology, Agricultural Mechanization, or Agricultural Mechanization and Management program, must be a member of an authorized ASABE Student Branch, a national member (student or otherwise) of the ASABE, and must be making satisfactory progress toward a Bachelor's degree (as determined by the Student Branch faculty advisor). Students who have graduated prior to January 1st of the year in which the award is to be made are not eligible.

Nomination Procedures: To be considered for this award, the candidate must submit a maximum of a one page typewritten summary describing the following:

1. ASABE Student Branch activities,
2. Campus wide activities and community service,
3. Scholastic achievement, and
4. Career goals.

The four areas within the summary will be equally weighted by the selection committee.

WISCONSIN SECTION OF ASABE AGRICULTURAL ENGINEERING GRADUATE STUDENT OF THE YEAR

Purpose: To recognize an Agricultural Engineering graduate student for singular achievement in developing and/or advancing the technology of engineering for food and agriculture. \$150 monetary award is included in addition to the recognition.

Eligibility: The recipient must be a national ASABE member (student or otherwise) and must be making satisfactory progress toward a Masters or Ph.D. degree, or have recently completed said degree requirements. Students who have graduated prior to July 1 of the year previous to the year in which the award is to be made are not eligible.

Nomination Procedures: To be considered for this award, candidates must submit a two page type written summary.

The first page should contain the following data:

1. Candidate's Name, Address, and Current Position,
2. (10%) Professional Activities (summary of candidates involvement in ASABE and other professional activities at a local, state, national, and/or international level),
3. (15%) Scholastic Achievement,
4. (10%) Publications and Presentations (list of lectures, addresses, professional and scientific papers, bulletins, magazine articles, etc.), and
5. (5%) Career Goals.

The second page, entitled "Research Description" should contain:

1. (10%) The Nature of the Problem (an introduction to the research and description of the problem(s) to be solved)
2. (25%) Solution Procedures (a description of: experimental procedures, methods used, and/or approaches taken to solve the problem(s))
3. (25%) Research Conclusions and Significance of the Results.

Pages 1 and 2 of the written summary will be weighted by the selection committee according to the percentages given in the parentheses.

Wisconsin Section of ASABE WAYNE G. RUSSELL AWARD

Purpose: To recognize an individual or organization demonstrating exceptional commitment to helping the Wisconsin agriculture industry adopt new electric technology, farmstead mechanization and farm equipment. The award is named after the late Wayne G. Russell, former Rural Promotion Manager for Wisconsin Power & Light, who formulated the idea for the Electric Power and Equipment Farm Show in the late 1950's. Through Mr. Russell's efforts, the show has grown to become one of the most successful indoor farm equipment shows in the country. The award is co-sponsored by Wisconsin Power & Light and the Midwest Farm Equipment Association.

Eligibility: There are no specific eligibility requirements.

Nomination Procedures: Nominations can be made by an individual (ASABE member or nonmember), group, company, or organization. All nominations should be accompanied by a type written summary (maximum length of two pages) describing the candidates major contributions to Wisconsin's agricultural industry.

REGISTRATION
WISCONSIN PUBLIC SERVICE FARM SHOW
April 2, 2008

	<u>Number Attending</u>	<u>Cost</u>
Kondex Tour – 5:00 pm	_____	
Dinner – 6:30 pm	_____	Free

Information:

Name(s): _____

Address: _____

City/Town: _____ State/Zip _____

Telephone: (____) _____ - _____ FAX: (____) _____ - _____

e-mail: _____

Return completed form and send by **March 26th** to:

Randy Clark

ASAE Wisconsin Section, Program Chair

RCI Engineering LLC

970 Metalcraft Drive

Mayville, WI 53050

P: 920-387-9804

P: 888-472-4552 (Toll Free)

F: 920-387-9806

clark@rciengineering.com

www.rciengineering.com

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- PE License for Agriculture
- Meeting Registration - Complete & Send
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WISCONSIN SECTION MEETING WEDNESDAY, JULY 16TH WISCONSIN FARM TECHNOLOGY DAYS

The ASAE Wisconsin Section meeting will be held on **Wednesday, July 16th**, in conjunction with Wisconsin Farm Technology Days. The show is being held this year on **Country Aire Farms in Brown County near Greenleaf** (see map). The show will run from **July 15-17th**, with gate hours being from **8:30am to 4:30pm**.

Wisconsin Farm Technology Days is the state's largest outdoor agricultural show, with a history dating back to 1954. The annual three-day event showcases the latest improvements in production agriculture, including practical applications of recent research findings and technological developments. Country Aire Farms, the host of the event, is a state of the art dairy farm owned and operated by Budd and Ione Gerrits, along with their sons and spouses, Tom and Anne, and Mike and Cindy.

At 2:30pm, there will be a tour of the Holsum-Elm Dairy in Hilbert (see map) followed by a social time and picnic in conjunction with WALSAA (see map). This will be followed by a brief meeting to discuss any new business.

Schedule of Events/Information

Wisconsin Farm Technology Days:

Country Aire Farms, 1440 Lamers Clancy Road, Greenleaf, WI
www.wifarmtechnologydays.com

Farm Show: 8:30am – 4:30pm

Admission is \$5/person. Parking is free.

E. Budd Gerrits started farming on his own with 12 cows and three heifers bought with a loan from his local banker. A year later, he added 60 acres of land and from there he just kept expanding. Country Aire Farms, now operated by Budd and his two sons, Tom and Mike, comprises 3,600 acres of crops and more than 1,800 dairy cows milked in a 40-cow carousel parlor.

Getting started

Budd's story of farming success began in 1965 when he convinced a Greenleaf banker to lend him the money to buy his starter dairy herd. He bought his first land the following year with a unique arrangement with his father. "My wages for the year were, dad planted corn in the fields and I got the money," he says. "In two years I had the 60 acres paid for."

In 1968, Budd and his wife, Ione, bought his dad's 80 cows and the farm machinery and five years later they were able to buy the 160-acre home farm. Year by year, they continued to expand, building a free stall barn and milking parlor in 1974 and enlarging to 125 cows, adding a machine shed in '76 and a beef facility in '77.

"We were also buying land as we went along," Budd points out. By 1982 they had added another free stall barn to double the herd size. In the mid-'80s, as Budd and Ione's sons joined the operation, the herd was increased by another 200 cows, utilizing what had been housing for Holstein steers. Around that time, Ione began working off the farm. She's currently the head clerk at Arla Foods Cheese Store.

"In 1994 we talked about more cows," Budd says, "and we decided to sell the cows to the boys. We agreed to split the milk checks and I took over the crops and harvesting." Tom is in charge of the milking herd and Mike handles feeding and heifers. The farm has 16 full time employees plus additional part time workers in the summer. Budd is pleased that a couple of grandsons are helping out.

The two sons have partnership agreements. "I wanted them to handle the checkbook," Budd says. "It's coming time for them to take the whole thing over. That'll be down the road, I guess, in a couple-three years." Budd earlier had established Country Aire Farms as an LLC and recently formed Country Aire Harvesting as a second LLC. Through Country Aire Harvesting, Budd does custom harvest work.

In 1998 it was expansion time again - to the current 1,128-cow herd. "Instead of putting more money into the old milking facilities," Budd says, "we started from scratch across the road." They built the carousel milking parlor and a 100- by 700-foot freestall barn. At the same time, they saw milk production jump from 22,000 pounds per cow to 28,300. In 2004, they put up a 700-heifer barn and moved their heifers - 850 of them - to the home farm after a period of using a custom raiser.

They're not done growing. In the past year they added 350 acres of land and are building another 700-cow free stall barn. "I don't know what figure (of cow numbers) we'll settle on - 1,600 to 1,800," Budd says. "We hope we can grow 50% from within. But we will be buying. We're looking already."

Giving back

Budd also has a wide range of off-farm interests. He says he farms by day and takes part in his activities at night. "Most of my off-farm activities are done in the evening hours," he says, "so there's time during the day to farm. I do work with my guys, from early in the morning to the wee hours." Off the farm, Budd has been a member and president of the Wrightstown School Board; is a member and former president of the Wrightstown Lions Club and has been a Lions zone chairman; served his church in numerous ways, including 22 years as a trustee and 17 as choir director; is chairman of his town zoning board; and is a lead singer with the Green Bay Barbershoppers. He's often called on to sing at weddings and funerals. He's also a Farm Bureau member, crop equipment adviser for John Deere, a former 4-H leader and FFA Alumni member, chairman of the local high school ag advisory group, a past DHIA officer and served on U.S. Sen. Herb Kohl's ag advisory board. It's pretty obvious he doesn't let grass grow under his feet.

Holsum-Elm Dairy Tour

N6206 Elm Road, Hilbert, WI 54129

Tour: 2:30-4:00

Holsum-Elm Dairy, along with its sister dairy, Holsum Dairies, are home to almost 8000 dairy cows. Both farms, located in Calumet County are managed by Kenn Buelow and employee more than 60 employees. The farms are supported by local farmers utilizing more than 4000 acres of farmland surrounding the farms to supply the operations with feed and land to spread manure. Both farms have state of the art facilities including anaerobic digesters which help to control odors and yield a total of almost 1900kW of electricity.

WALSAA Picnic / ASABE Business Meeting

Wayside Dairy Farm Inc. 3603 Wayside Road, Greenleaf, WI 54126

Social time/Dinner: 4:00 – 5:30 pm (Tour group will arrive at approx. 4:30 pm)

Business Meeting: 5:30 pm

Adjourn

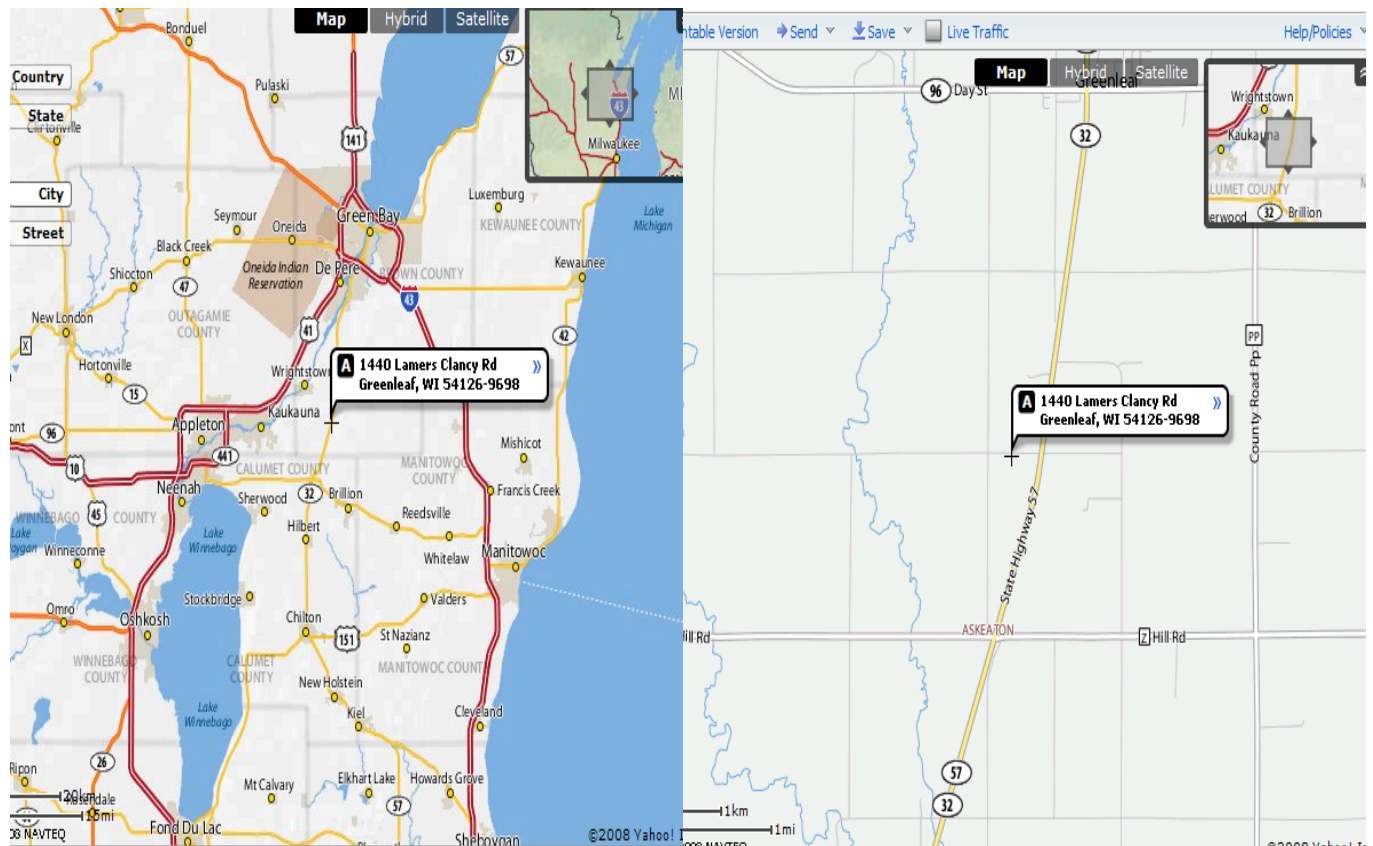
Directions to Wisconsin Farm Technology Days

From the NORTH and WEST: Hwy. 29 East to Hwy. 41 South to Cty. U (Exit 154) South to Hwy. 96 East to Cty. D South to Lamers-Clancy Road East to site

From the SOUTH and SOUTHEAST: Hwy. 10 West to Hwy. 57 North to Cty. Z West to Old Hwy. 57 North to site

From the SOUTHWEST: Hwy. 41 North to Cty. U (Exit 154) South to Hwy. 96 East to Cty. D South to Lamer's-Clancy Road East to site

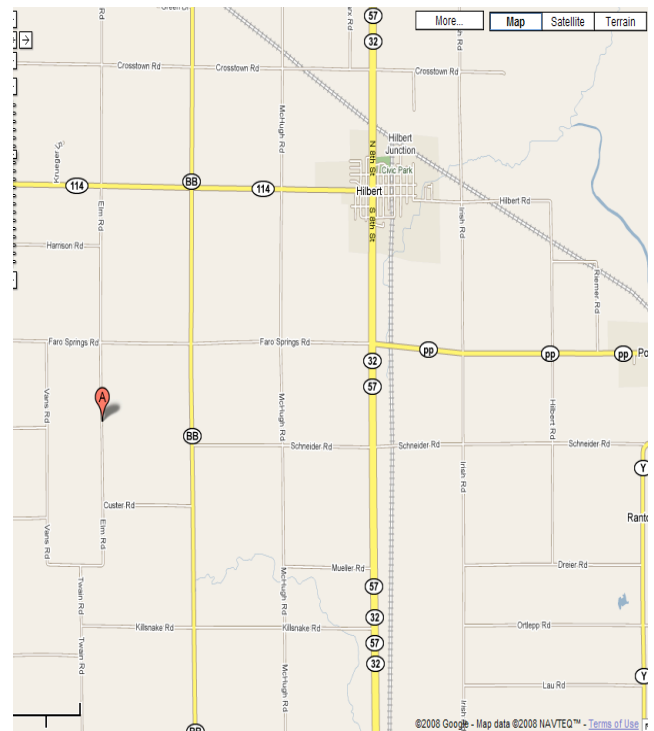
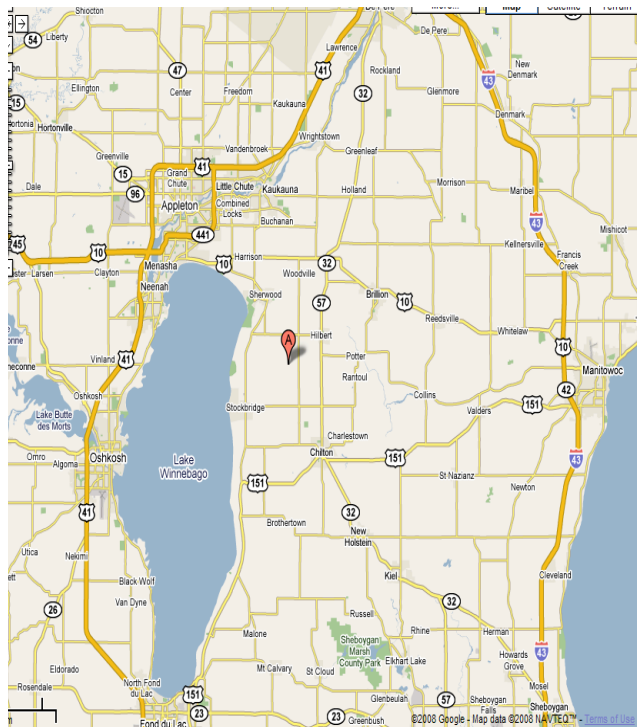
From the EAST: Hwy. 96 West to Cty. PP South to Cty. Z West to Old Hwy. 57 North to site



Directions to Holsum-Elm Dairy

The farm is located at N6206 Elm Rd, Hilbert, WI. 54129.

From the Wisconsin Farm Technology Days site: take HWY 32/57 South to Hilbert. Go Right (West) on Hwy 114 to Elm Road. Take a left onto Elm Rd (South).

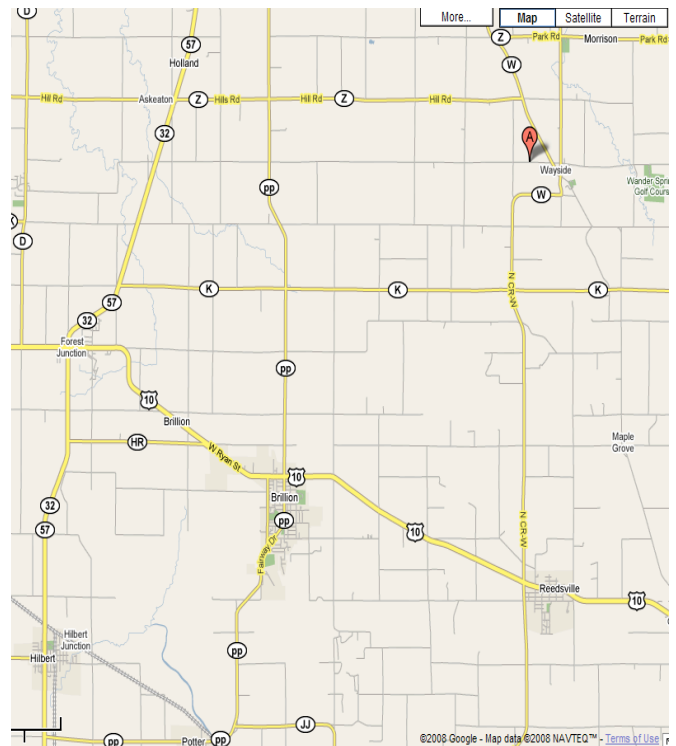
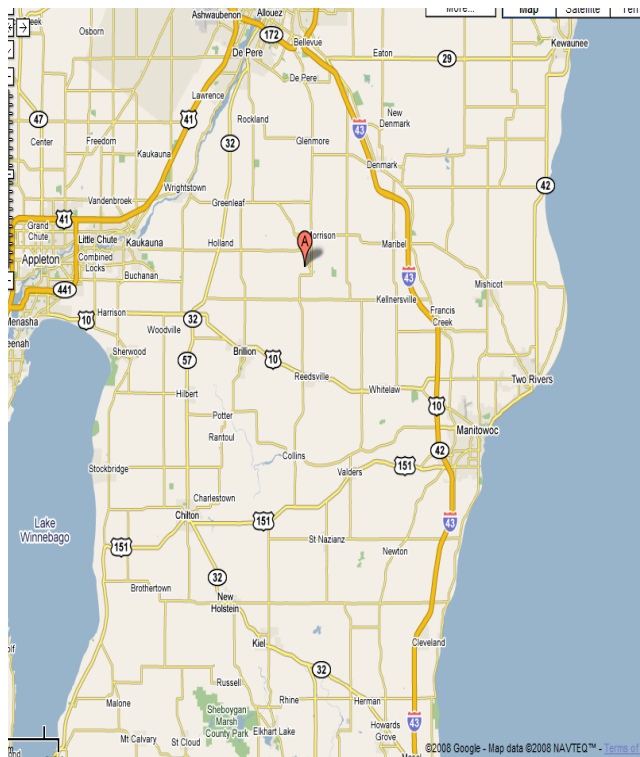


Directions to WALSAA Picnic / ASABE Section Meeting

The picnic and section meeting will be held at Wayside Dairy Farm Inc. 3603 Wayside Rd., Greenleaf, WI 54126

From the Wisconsin Farm Technology Days site: take HWY 32/57 South to Wayside Rd. Go Left (East) on Wayside Rd.

From the Holsum-Elm Dairy site: take Elm Rd. to HWY 114. Go Right (East) on HWY 114 to HWY 32/57. Go Left (North) on HWY 32/57 to Wayside Rd. Go Right (East) on Wayside Rd.



Secretary's Report

24 June 2008

The spring meeting of the ASABE Wisconsin Section was held on April 2nd, 2008 in conjunction with the WPS Farm Show. The business meeting and dinner were hosted by Kondex Corporation (Lomira, WI). Neal Stoffel gave a presentation detailing the company's history, mission and product offerings. Mr. Stoeffel's group then hosted tours of their new, highly automated facility.

1. The business meeting was called to order at 6:00 PM by Scott Sanford.

2. The following awards were presented:

Agricultural Engineering Technology Student of the Year:	Derek Husmoen
Biological Systems Engineering Student of the Year:	Shane Williams
Biological Systems Engineering Graduate Student of the Year:	Tim Radatz
Agricultural Engineering Young Engineer Award:	Bob Loehr
Career Achievement Award	Ron Schuler

3. The following new officers were installed at the conclusion of the meeting

Chair	Randy Clark	RCI Engineering, LLC
Vice Chair – Program	Neal Stoffel	Kondex Corporation
Vice Chair – Awards	Jeff Marggi	Kuhn North America, Inc.
Vice Chair – Membership	Damion Babler	Kuhn North America, Inc.
Vice Chair – Career Development	Garritt Boettcher	John Deere
Vice Chair – Public Relations	Bill Bassett	Kuhn North America, Inc.
Secretary-Treasurer	Matthew Digman	USDA – ARS
Past Chair	Scott Sanford	UW – Madison
Webmaster	Adam Steen	UW – Madison

4. The meeting was adjourned by 8:00pm.

Respectfully Submitted,

Matthew Digman
ASABE Wisconsin Section Secretary 2008-2009

Treasurer's Report

24 June 2008

Opening Balance

\$7,714.81

Revenue:

<u>Date</u>	<u>From</u>	<u>Memo</u>	<u>Amount</u>
02/19/2008	ASABE Hq.	1011000022	\$1,100.00

Total: \$1,100.00

Expenses:

<u>Date</u>	<u>To</u>	<u>Memo</u>	<u>Check #</u>	<u>Amount</u>
03/12/2008	UW-Madison ASABE	MWRR	559	\$2,000.00
04/07/2008	Bob Satori	Award Engraving	562	\$116.58
04/09/2008	Tim Radatz	Grad Stud Award	561	\$150.00
04/015/2008	Shane Williams	Undergrad Stud Award	560	\$150.00
04/09/2008	Derek Husmoen	Undergrad Stud Award	567	\$150.00

Total: \$2566.58

Closing Balance

\$6,248.23

Respectfully Submitted,

Matthew Digman
ASABE Wisconsin Section Treasurer 2008-2009

ASABE WI Section Awards Given at 2008 Spring Meeting

The following awards were given out at the April 2nd, 2008 American Society of Agricultural and Biological Engineers Wisconsin Section Meeting.

Agricultural Engineering Technology Student of the Year: Derek Husmoen

Derek is a senior majoring in Agricultural Engineering Technology with an emphasis in Environmental Engineering and a minor in Soil Science at the University of Wisconsin River Falls. He plans to pursue a Masters degree in Agricultural and Biological Systems Engineering after graduating in December 2008. He has been very active on campus including:

- Soils judging team
- Alpha Zeta (Honorary Agricultural fraternity)
- Campus tour guide (3years)
- Crops and Soils Club (President two years)
- Alpha Gamma Rho Fraternity (President)

Derek was also selected as a Ronald E McNair Scholar which gave him the opportunity to conduct research during the summer of 2007 at the University of Minnesota. His research focused on ammonia and hydrogen sulfide emissions from mixtures of dairy manure with loamy sand and silt loam soils. This experience has confirmed his passion to pursue a career in manure management systems and to continue to study manure and soils.

Biological Systems Engineering Student of the Year: Shane Williams

Shane is a senior majoring in Biological Systems Engineering with an emphasis in Power and Machinery at the University of Wisconsin Madison. He has been active in the ASABE Student branch including Public Relations Chair, Agricultural Student Council Representative, Lawn Mower Clinic and 1/4-scale tractor team. Last year he assisted in the restoration of the 1998 Tractor and this year is leading the modification efforts on the X-Team Tractor. He is a member of Babcock house and has served as the house Secretary and Agricultural Student Council Representative. This summer Shane will be working as an intern at Kuhn North America. After graduation in May, 2009 Shane hopes to use his experience and education to work for a major equipment manufacturer to “design, build, evaluate and support the change that the future needs to see.”

Biological Systems Engineering Graduate Student of the Year: Tim Radatz

Tim is currently pursuing his Masters degree in Biological Systems Engineering with an emphasis in Natural Resources at the University of Wisconsin Madison and expects to complete his degree in December 2008. He completed his Bachelors degree in BioSystems and Agricultural Engineering with an Environmental emphasis in December, 2006 at the University of Minnesota-Twin Cities. Tim is currently an Engineer in Training having successfully completed the Fundamentals of Engineering exam, and was a student intern for the University of Wisconsin Discovery Farms program from 2004 to 2006. Tim presented a paper at the 2008 USDA-CSREES National Water conference on Nutrient and Sediment Losses from Overwintering Areas in Grazing Systems in Wisconsin. The objective of Tim's research is to determine the effects of antecedent soil moisture on the runoff response of select agricultural watersheds in Wisconsin and investigate whether a Critical Condition Index (CCI) for surface runoff generation exists. A method to predict the likelihood of high risk runoff periods can aid in the development of good on-farm management decisions, particularly those that may be environmentally sensitive, such as when and where to spread manure. After completing his Masters degree Tim's career goals are to pursue a position involved with water quality issues as related to agricultural settings. In his application he stated "My background in agriculture and strong family history in conservation will allow me to relate to both the agricultural and environmental community and hopefully bridge the gap between the two on water quality issues."

Agricultural Engineering Young Engineer Award: Bob Loehr

Presented to Bob by Dave Holm, Director of Engineering, John Deere
Nominated by Linda Wells, Program Manager, EZtrak, John Deere

Bob has been a design engineer for the John Deere Horicon Works for twelve years, working on walk-behind snowblowers, lawn tractors, garden tractors, and the EZtrak consumer zero-turn mower. He has accumulated a wealth of experience on the development and implementation of engines, including cooling and exhaust systems, and hydraulic components, in tractors and Z's. He has spearheaded an effort to simulate the build-up of lawn debris (grass, leaves, etc) on riding lawn equipment, to understand and mitigate the fire hazard. He was a recipient of the 2006 John Deere Commercial and Consumer Equipment Division Innovation Award.

Bob's patents include U.S. Patents 6,578,292 and 6,662,477 for snowblower controls.

Bob has been a member of the Outdoor Power Equipment Institute Exhaust Systems Advisory Group, and has been an active member of the ASABE Wisconsin Section, including holding the following positions:

2001-2002 Vice Chair Public Relations

2002-2003 Vice Chair Awards

2005-2006 Vice Chair Program

2006-2007 Chair

He has been very involved in efforts to recruit and retain engineers for John Deere – he has led interviewing and diversity-related efforts at the University of Wisconsin-Madison, and organized social activities such as a trap shoot for employees. He is an excellent mentor to less experienced engineers, and a great team player in our extended product development team. Bob is highly regarded for his professionalism, positive attitude, high energy, and communication skills. He continues the Deere traditions of innovation, quality, and teamwork.

Wayne G. Russell Award: Ron Schuler

Presented to Ron by Robert Fick, Alliant Energy

Nominated by Richard Straub, Chair, and Biological Systems Engineering Dept. UW Madison

Dr. Ronald T. Schuler has been an integral part of the University of Wisconsin-Madison's Department of Biological Systems Engineering since 1984, providing leadership for the Machinery Extension program for the State of Wisconsin. Ron recently retired from his faculty position at the University of Wisconsin—Madison after providing over 26 years of service to agriculture in Wisconsin and to the UW System, both at Madison and at Platteville. After returning to Wisconsin from faculty positions at North Dakota State University and the University of Minnesota, Ron has taught thousands of students, educated tens of thousands of clients through his Extension/outreach efforts, and demonstrated new mechanization and farm equipment to literally hundreds of thousands of individuals through his Farm Technology Days (formerly Farm Progress Days) efforts.

Ron has taught courses covering such topics as “Farm Electric Power Application”, “Measurements and Instrumentation”, “Agricultural Machinery”, “Tractors”, “Precision Agriculture” and Agricultural Safety and Health” at both the University of Wisconsin-Madison and the University of Wisconsin-Platteville. He also served as Department Chair at both Madison and Platteville.

The breadth of Ron's research has been equally impressive. He conducted research in conservation tillage, soil compaction, precision agriculture and agricultural safety. His work resulted in over 60 papers and publications and helped train many students.

Ron has worked tirelessly to insure that Farm Technology Days runs smoothly each year. This includes first helping to choose the sites and mentor the participating farmers on what to expect, to helping organize the scores of volunteers that assist with his field demonstrations, and to the time in the field during those demonstrations where every year tens of thousands learn about new machinery and emerging technology.

Ron has also conducted dozens of Extension programs annually on mechanization, farm machinery and the management of these technologies. Materials developed to support this work have resulted in 12 ASABE Blue Ribbon Awards for Ron. He has been recognized by his peers and by his constituents with numerous awards including the prestigious Second Mile Award, the Extension Career Award, and the Cooperative Extension Leadership Award.

Youth programming is another area that has always been an important part of Ron's Extension and service commitment. He has served as superintendent of the Wisconsin FFA Ag Mechanics contest for many years, and provided leadership for the 4-H Tractor and Small Engines projects from 1984 until his retirement. He also provided leadership to 4-H in the broad Mechanical Sciences area. These contributions were recognized with the Honorary Wisconsin FFA Degree and with the 4-H Agent's Meritorious Service Award. This youth work has been a tremendous help in recruiting students to the University with interests related to agricultural/biological systems engineering and agricultural mechanization.

One of Ron's greatest attributes over his career has been his willingness to lead and to help, in whatever way required, to meet the needs of his Department and our State. In addition to his leadership as department Chairs, he has been willing to step in and fill voids left by professors retiring or taking sabbaticals, and even provided safety programming, and leadership of the AgrAbility program—a program to help farmers with disabilities continue to farm. His service to ASABE has also been substantial and was recognized with the ASABE Fellow Award. This willingness to serve similarly carries over into Ron's non-professional activities where he has been extremely active, including leadership, in such organizations as Kiwanis and Alpha Gamma Rho.

(Note: the above comments regarding Ron Schuler are an edited version of the nomination papers that were submitted to the award committee on his behalf).

Recognition of Member with Milestone Membership Anniversaries

The following members were recognized for their commitment to the organization:

<u>Name</u>	<u>Years of Membership</u>
Mark J. Wegner	25
Alan Calvin Geisthardt	25
Richard G. Koegel	40
Peter P Konyha	50

Becoming a Licensed Engineer in Agriculture

Why get licensed?

Licensure is one way of demonstrating to employers, colleagues, and clients that you have gained experience in the field and the respect of fellow engineers. It shows potential employers and clients that you are serious about your career and what may lie ahead. The passing of an engineering licensure exam demonstrates a minimum level of competence as set forth by exam writers. Every engineer seeking a PE in Agricultural Engineering must demonstrate that 1) they have completed a qualified program of study in an ABET accredited program, 2) have gained the required number of years of experience working under a licensed Agricultural Engineer, and 3) are considered, by their peers, to be satisfactorily prepared to sit for the exam.

Many employers will ask about your registration status – whether you are an EIT or PE. Companies are often willing to offer a higher salary for engineers that have the authority to certify designs. Having a license gives you the opportunity to be the lead engineer on a project in responsible charge with sign-off responsibility. Additionally, a license is something that, once you have it, can be transferred to any of the United States as long as you obey the comity or reciprocity laws set by your State Board.

Agricultural and Biological Engineering is a diverse, unique, and interesting field. As you know, ASABE is an organization made up of competent, skilled, and ethical professional agricultural and biological engineers that find solutions to the problems facing the agricultural industry. Each time you pass your business card along to a client, colleague, or employer; they will read “Registered Agricultural Engineer” and know that you understand the circumstances and challenges facing their operation. The resulting examples of excellent work by ASABE members increases demand for our services and appreciation of our discipline. (*NSPE, Jan 2006, www.nspe.org/ethics/Code-2006-Jan.pdf*)

How to get licensed

The rules, application information, dates, and details for obtaining your license are available at your state board website at www.ncees.org/licensure/licensing_boards/. The Ag. PE exam specifications can be found at www.ncees.org/exams/professional/pe_agricultural_exam_specs.pdf. Additional information can be found at <http://www.asabe.org/pei/index.html>. Check out the webinar series as a great tool for preparation at <http://www.bae.ncsu.edu/www3/pe/index.htm>. The pass rate for first time takers in 2007 for the Ag. Engr. PE was 72%.

The next Agricultural Engineering Professional Engineers’ (PE) exam will be given October 24, 2008.

REGISTRATION
WISCONSIN FARM TECHNOLOGY DAYS
July 16th, 2008

	<u>Number Attending</u>	<u>Cost</u>	<u>Total</u>
Holsum-Elm Dairy Tour – 2 :30pm	_____		
Dinner – 4:00 – 5:30 pm (Tour group will arrive at approx. 4:30)	_____	\$10.00/person students free	\$_____

Information:

Name(s): _____

Address: _____

City/Town: _____ State/Zip _____

Telephone: (____) _____ - _____ FAX: (____) _____ - _____

e-mail: _____

Return completed form and send by **July 9th** to:

Neal Stoffel

ASABE Wisconsin Section Program Chair
Kondex Corporation
1500 Technology Drive
Lomira, WI 53048
P: 920-269-7932
F: 920-269-7091
nstoffel@kondex.com