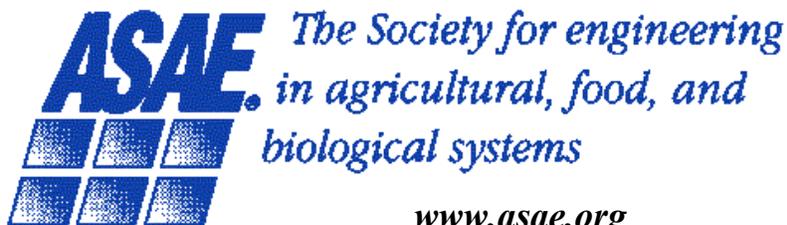


Newsletter Highlights

- Winter Meeting Info / Next Meeting Date
- Directions
- Message from the Chair
- Secretary / Treasurer's report
- Call for Award Nominations
- Meeting Enrollment Form

ASAE WISCONSIN SECTION



www.asae.org

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the American Society of Agricultural
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Wisconsin Section Meeting Wednesday, 5 December Tinedale Farms & Alliant Energy

The 2001 Winter Wisconsin Section ASAE meeting will be held Wednesday, 5 December at Liberty Hall in Kimberly, WI. Prior to the meeting there will be a tour of Tinedale Farms, which will start at 3:00 pm. The meeting will include a 5:00 pm dinner, followed by our Wisconsin Section business meeting, and concluded by a presentation by Robert Fick of Alliant Energy. Mr. Fick's presentation will focus on the integration of energy buyback from external sources. Meeting information and directions to the restaurant are included on the following pages.

Tinedale Farms, located just north of Wrightstown, features electricity generation made possible by methane gas produced from manure, making it a rather unique set-up. Carl and Sharon Theunis are the owners of Tinedale Farms and have been farming in Brown County since 1978, after taking the farm over from Carl's parents. They currently farm about 4100 acres, which includes alfalfa, corn, soybeans, wheat and barley. Their dairy operation includes 1800 dairy cows and 700 dairy heifers. They have been producing electricity for several months, and are currently installing a manure separation system that allows the solids to be utilized as dry bedding.

The fundamental process for methane production from manure is anaerobic digestion. The feasibility of this process is currently being studied due to the recent countrywide energy demands, as well as the emphasis on pollution regulations concerning odors. While in theory this process seems to be a win-win, it is very *Continued...*

capital intensive, and requires detailed management.

After the manure is used for methane production, the remaining waste can be separated (liquid / solid) and the liquid portion can be used for crop fertilizer, while the solid portion can serve as commercial compost or can be dried and used again as bedding. One major benefit of this process is that it can reduce odor and greenhouse gas emissions, which are both of heightened concern due to suburban sprawl and major increases in farm size.

For more information, the websites below pertain to using manure to generate electricity, or related articles:

www.inform.umd.edu/EdRes/Topic/AgrEnv/ndd/watermgt/GENERATING_METHANE_GAS_FROM_MANURE.html

www.bae.umn.edu/extens/ennotes/enspr01/fuel.html

www.exnet.iastate.edu/Pages/communications/EPC/ONM/F99/methane.html

http://res2.agr.ca/initiatives/manurenet/en/man_digesters.html

Spring Meeting / Officer Nominations

The Wisconsin Section Spring Meeting will be held Wednesday, 13 Mar 02 in conjunction with Ag Expo in Madison, WI. Officer nominations will be accepted by Damion Babler (dbabler@gehl.com) or Brian Hitt (hittbrianj@johndeere.com) for all positions except Chairman. Please submit your nominations to Damion or Brian by 10Feb02.

Directions to Tinedale Farms

If you are using Mapquest.com, the address is: Carl Thuenis 2768 Poplar St., Kaukauna, WI 54130

Directions from Highway 41 include:

Exit Highway 41 at Highway U (also called County Line Road) North of Wrightstown, which is East of Appleton, go North about 1/4 mi to Highway DD (also Steffins St), turn East onto Poplar Street. Tinedale will be on West side of Poplar before you enter Wrightstown from the North

Alternate Route

Exit Highway 41 at Highway U North of Wrightstown which is East of Appleton South on Highway U (Highway U is also called County Line Road) East on Broadway or Wrightstown Road North on Poplar in Wrightstown

Directions to Liberty Hall from Hwy 41:

If you are using Mapquest.com, the address is: Liberty Hall/Incredible Edibles 800 Eisenhower Drive, Kimberly WI 54136

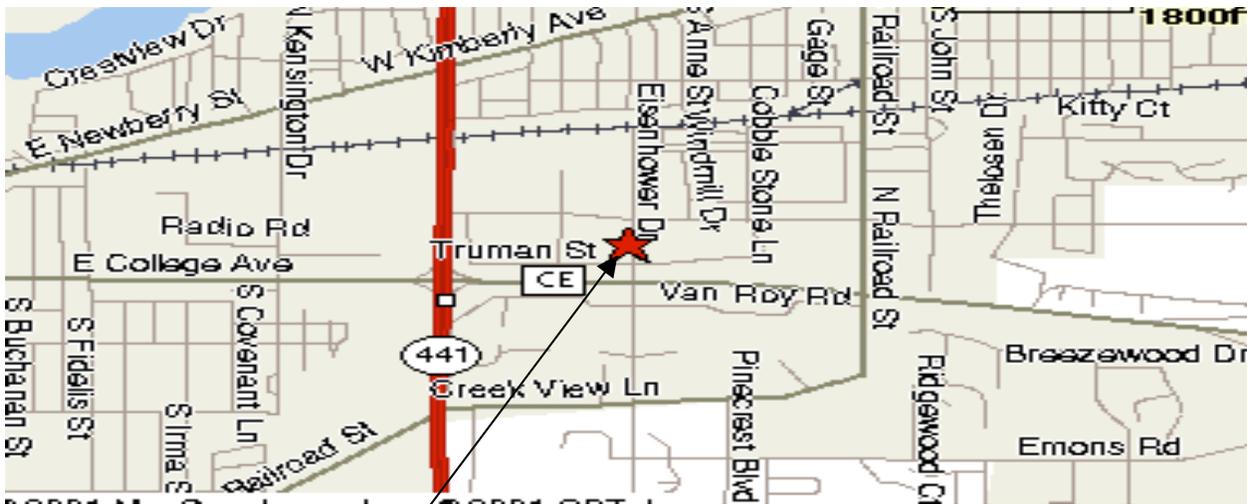
From South (Milwaukee/Madison):

Hwy 41 North to Hwy 441 (Menasha/Appleton area-exit 134), right (East) on to Hwy 441 for about 7 miles to the CE/College Ave exit, exit right and go East one block to the first set of lights (Eisenhower Dr), turn left on Eisenhower and then left again into the first driveway. Driveway is shared with Hilton and McDonalds. 800 Eisenhower Drive

From North (Tinedale Farms or Green Bay):

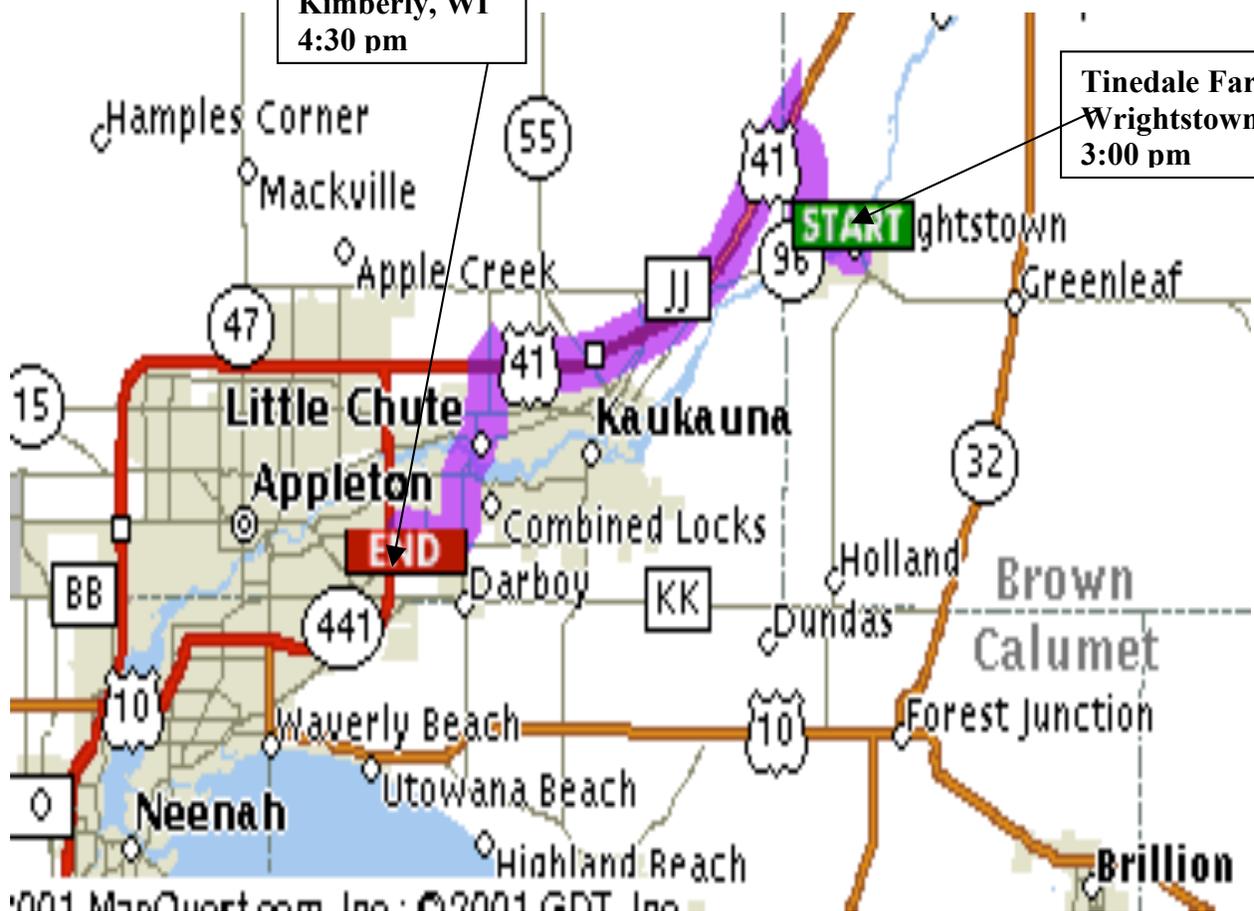
Hwy 41 South to Hwy 441 (Kaukauna/Kimberly area-exit 145), left (South) on Hwy 441 for approx. 2 miles to the CE/College Ave. exit. Turn left on CE/College

Ave and go east for one block to the stoplight (Eisenhower Dr), turn left on Eisenhower and then left again into the first driveway. Driveway is shared with Hilton and McDonalds. 800 Eisenhower Drive.



Liberty Hall
Kimberly, WI
4:30 pm

Tinedale Farms
Wrightstown, WI
3:00 pm



Message from the Chair, Bill Nelson

Over the last few months, we have all grown to appreciate the resources that we enjoy while the threat of evil looms heavy in all our minds. We now understand that terrorism can take its toll in many ways.

Now there are heightened fears that U.S. food sources, especially the nation's farms, are vulnerable as targets of terror. In fact, a Congressional report finds the food supply extremely vulnerable. The vulnerability could be in the form of tampered food products or the introduction of an organism that would jeopardize the health of agricultural plants and animals.

We may be able to detect a contamination of the US food supply quickly, but many believe the real devastation would be on the farm economy. "We have ignored agriculture in the strategy to protect the United States from further international terrorist attacks," warned Joseph W. Foxwell, a biological weapons specialist for New York City, according to Dow Jones. U.S. livestock and crops share "an enormous vulnerability" to sabotage by germs and blight, Foxwell told an international conference on weapons of mass destruction in Washington D.C.

It will be difficult to protect the 2 million farms nationwide, including 931 million acres, 13 million cattle and 99 million hogs. The challenge to all of us as ASAE members and ambassadors to the agricultural community is to do our part in establishing the USA as a safer place to live. We should not be fearful of what could happen, but be aware of how we can reduce the damage of a terrorist attack.

Secretary's Report-September 24, 2001

Wisconsin Section ASAE

The fall meeting of the Wisconsin Section ASAE was held on September 19, 2001 in Janesville, WI. The meeting was held in conjunction with the Wisconsin Farm Progress Days. Unfortunately, on Wednesday (9/19), Wisconsin Farm Progress Days was cancelled due to weather.

69 people attended the meeting, which included a record number of 28 students. (This was the first meeting that students were free if they pre-registered.)

Bill Nelson called the meeting to order at 5:50 p.m.

1. The upcoming section meetings were announced:

Winter Meeting – December 5, 2001 Appleton, WI
Tour: "Tinedale Farms- On Sight Manure Digester"

Spring Meeting – March 13, 2002 Madison, WI
"Annual Awards Night – Wisconsin Power and Electric Show"

2. All nominations/suggestions for the section awards should be forwarded to Derek Whitelock. Nominations are due January 30, 2002. The Wisconsin Section ASAE sponsors the following awards: Wayne G. Russell Award, Young Engineer Award, Agricultural Engineering Graduate Student of the Year, Agricultural Engineering Student Of The Year, and the Agricultural Engineering Technology Student of the Year.

Note: The Career Achievement Award will not be given at the 2002 Spring Wisconsin Section meeting. The Career Achievement and the Young Engineer Awards are given in alternate years. Since the Career Achievement Award was given at the 2001 Spring Meeting, the Young Engineer Award will be given at the 2002 Spring Meeting.

3. Treasurer's Report – Current balance \$6615.31 – August 7, 2001
4. It was suggested that for future meetings a more realistic registration cost be looked at since the section is financially well off.

The meeting was adjourned at 6:10 p.m.

The meeting continued with a presentation from Alan VanHahmen – Product Support Manager for Caterpillar's Lexion combine.

Respectfully Submitted,
Todd England
WI Section ASAE Secretary 2001/2002

Treasurer's Report (August 7 – November 2, 2001)

Opening Balance – August 7, 2001 **\$6615.31**

Inflows (Income):

- 10/1/2001 Deposit-September 2001 Meeting \$852.00

(Total: \$852.00)

Outflows (Expenses):

- 8/30/2001 Bank Fee-return checks \$-2.00
- Draft #477 Fort Community Credit Union –Cash for Sept. meeting \$-60.00
- Draft # 478 Hhffrrggh Inn – Food bill Sept. meeting \$-986.41
- Draft# 479 Todd England – Speaker gifts (Sears gift certificates) \$-50.00
- 9/29/2001 Bank Fee-return checks \$-2.00

(Total: \$-1100.41)

Balance- November 2, 2001 **\$6366.90**

Respectfully Submitted,
Todd England
WI Section ASAE Treasurer 2001/2002

***** Do not forget to keep your information up to date with ASAE headquarters (ASAE.com) to ensure that notices can get to you on time. If you have email, make sure this information is provided also. *****

Nominate A Deserving Colleague For an ASAE Fellow

Nominations Due: April 15, 2002

Election to Fellow is one of the highest distinctions an ASAE member can achieve. Fellows are elected annually by the ASAE Board of Directors, and they are chosen for their unusual professional distinction and extraordinary qualifications. A minimum of 20 years active practice of engineering or teaching of engineering with demonstrated distinction in performance for at least five of those years is required for nomination.

Nomination information can be found by accessing the ASAE Web Site at the following address <http://www.asae.org/awards/fellow/index.html>. All Fellow nominations and support letters are due into ASAE headquarters by April 15, 2002 for selection of the 2003 Fellows.

Request for Wisconsin Section Award Nominations Contact: Derek Whitelock

Each year the Wisconsin Section of the ASAE recognizes outstanding achievement during award presentations at its spring meeting. Wisconsin Section awards scheduled to be given in 2001 include the Agricultural 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 **30 January, 2002**, 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 **Derek Whitelock**, this year's Vice Chair of Awards.

Derek P. Whitelock, Assistant Professor
Agricultural Engineering Technology
University of Wisconsin - River Falls
410 S. 3rd Street
River Falls, WI 54022
(715)425-3985 phone
(715)425-3785 fax
derek.whitelock@uwrif

Wisconsin Section of the ASAE AGRICULTURAL ENGINEERING YOUNG ENGINEER AWARD

Purpose

To honor a young Wisconsin Section member for outstanding contributions to the advancement of the Agricultural Engineering profession. The selection will be based on a candidate's 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 ASAE 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.
3. Activities in ASAE. 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 the ASAE AGRICULTURAL ENGINEERING STUDENT OF THE YEAR

Purpose: To honor an undergraduate Agricultural Engineering student for achievement in preparation for a career in the profession.

Eligibility: The recipient must be enrolled in an Agricultural Engineering program, must be a member of an authorized ASAE Student Branch, a national member (student or otherwise) of the ASAE, 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 1 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. ASAE 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 the ASAE 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.

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 ASAE Student Branch, a national member (student or otherwise) of the ASAE, 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 1 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. ASAE 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 the ASAE 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.

Eligibility: The recipient must be a national ASAE 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 ASAE 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.

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 (ASAE 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 Form
Wisconsin Section ASAE Meeting
5 December, 2001 --- Kimberly, WI

Tour: 3-4pm *Tinedale Farms*
Happy Hour: 4:30-5pm *Liberty Hall*
Dinner: 5-6 pm *Chicken Breast, Tenderloin tips, Vegetables, etc.*
Business Mtg: 6-6:30 pm *Open issues, Next meeting, nominations*
Presentation: 6:30-adjourn *Alliant Energy, Mr. Fick*

Price is \$15.00 per member/guest and no cost for students if they pre-register by 30Nov01. If students do not meet the 30 Nov 01 registration deadline the cost will be \$15.00
Mail or fax this form, or reply by e-mail, by Friday, 30 Nov2001 to:

Todd England
 J-Star Industries, Inc.
 801 Janesville Ave.
 Fort Atkinson, WI 53538

Phone: 920-563-5521
 Fax: 920-563-2494
 Email: todd.england@jsimail.com

<i>Name</i>	<i>Organization</i>	<i>Phone</i>

Please fill in blanks and enclose payment. Checks payable to *Wisconsin Section ASAE*.

Members/guests: _____ x \$15.00 each = \$_____

Students: _____ x \$0.00 each (Only if pre-registered by deadline)

If Students are not pre-registered, the fee will be \$15.00.

Total Attending: _____ Total Enclosed = \$_____