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ASAE WISCONSIN SECTION



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

November 2001

2001-2002 Editor: Bob Loehr
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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

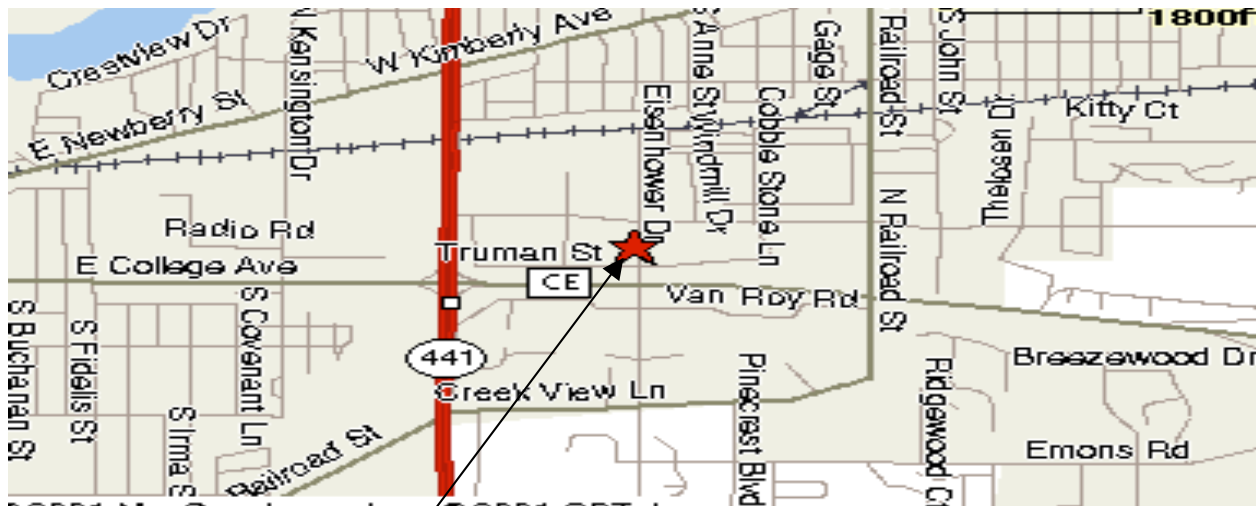
From South (Milwaukee/Madison):

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

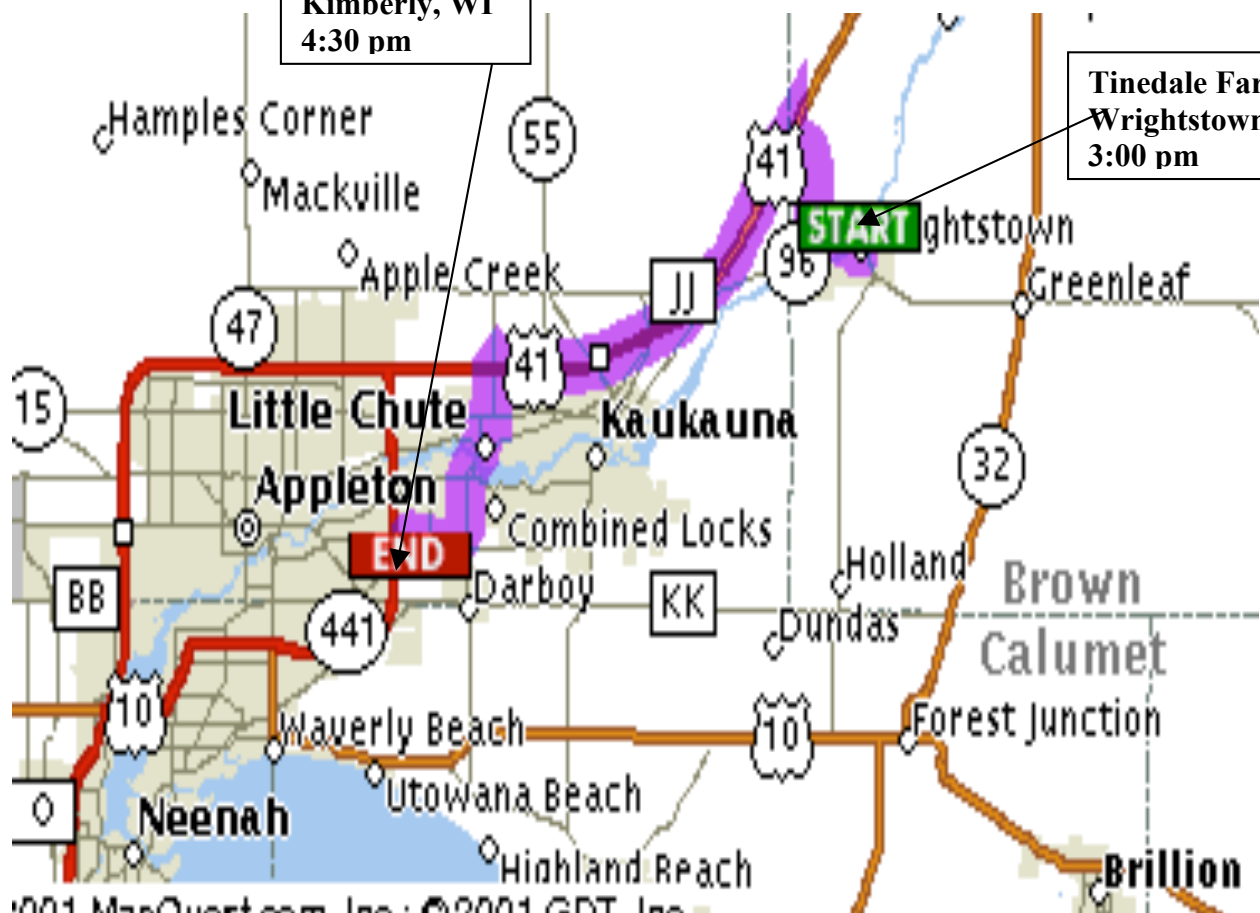
From North (Tinedale Farms or Green Bay):

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



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@uwrf

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

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>
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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 = \$_____

Newsletter Highlights

- Fall Meeting @FPD and Info
- Directions
- Message from the Chair
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Secretary and Treasurer

Todd England
J-Star Industries, Inc
(920)-563-5521
toddengland@jsimail.com

Wisconsin Section Meeting Wednesday, 19 September with Wisconsin Farm Progress Days



The 2001 Fall Wisconsin Section ASAE meeting will be held Wednesday, 19 September in conjunction with Wisconsin Farm Progress Days. The meeting will include a 5:00 pm dinner at the Hhffrrrgh Inn in Janesville, followed by a presentation on Caterpillar's Lexion combine start-up by Product Support Manager, Alan VanNahmen from Omaha, NE. The ASAE business meeting will follow and wrap up the evening. The Illinois ASAE section is also invited to join us for the meeting. Meeting information and directions to the restaurant are included on the following pages.

Rock County's Venable Farms will host Farm Progress Days, which is Wisconsin's largest agricultural event featuring crop production demonstrations with over 700 vendors and running from 18-20 September. Over 90% of Rock County's land is suitable for agriculture, accounting for over 20% of the county's economic base. Rock County ranks 1st in Wisconsin in soybean acreage, 2nd in corn, 8th in hogs, 9th in sweet corn, 11th in green peas, 27th in cattle and 38 in milk cows. *Continued...*

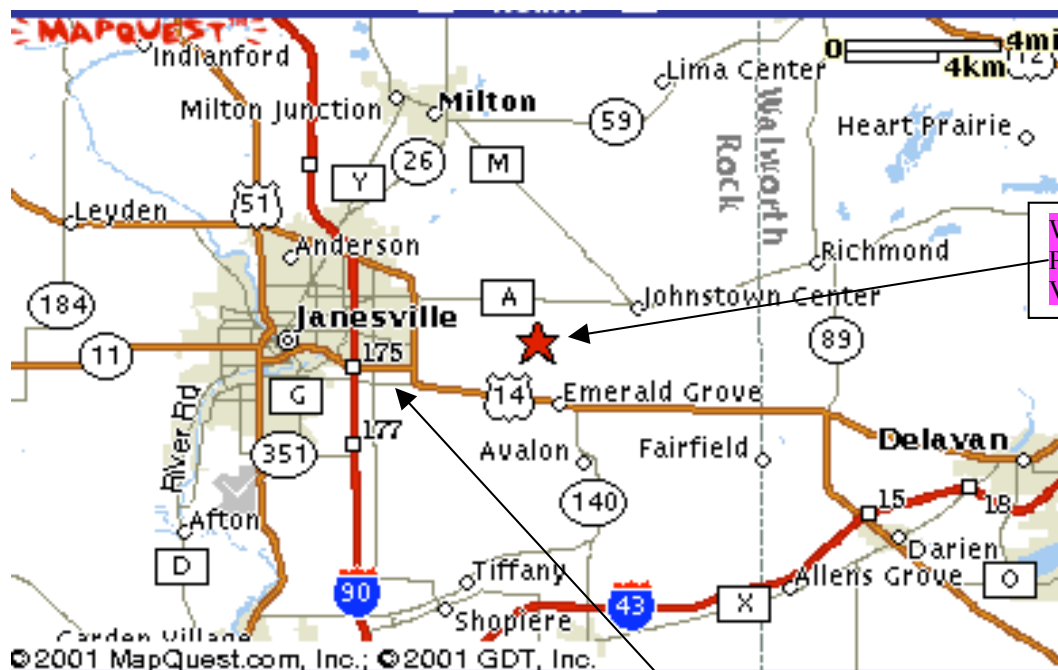
Bob and Virgie Venable have owned and operated their family farm since 1957. Their son Tom joined the operation in 1976 after graduating from UW-Madison. In 1993, Tom lost a battle with cancer and his wife Sue assumed the role of farm manager. Currently the farm is managed and operated by family members and 2 full time hired employees.

The Venables currently cash crop 2,000 acres of corn and soybeans while minimizing off-farm inputs. Manure from their 3000 head of cattle is injected into the ground, and utilized in their corn/bean rotation. Insecticide applications are kept to a minimum.

For more information on the Hosts of 2001 Wisconsin Farm Progress Days visit the website:

www.wifarmprogressdays.com

Map to 2001 Wisconsin FPD & ASAE meeting in Janesville, WI area



Directions to Farm Progress Days:

From Madison area take Interstate 90 East to Hwy 14. Take Hwy 14 East to Emerald Grove Road. Turn left or North on Emerald Grove Rd to MM. Left on MM to farm.

From Milwaukee/Chicago/Illinois area take Int. 90 West to Hwy 14. Take Hwy 14 East to Emerald Grove Rd. Turn left or North on Emerald Grove Rd to MM. Left on MM to farm.

Directions from Farm Progress Days to Hhffrrrggh Inn, Janesville:

Emerald Bay Rd. South to Hwy 14, turn right (west) on Hwy 14 and head into Janesville. Where 14 and 11 split, turn left on Hwy 11 and follow to South Wurthing Hills. Turn left on S. Wurthing Hills to 731 S. Wurthing Hills.

Hhffrrrggh Inn info: 731 South Wurthing Hills, Janesville, WI 53546 (608)-741-8833

Directions to Hhffrrrggh Inn, Janesville:

Interstate 90 to Hwy 11. East on Hwy 11 to South Wurthing Hills. South to 731 S. Wurthing Hills.

Hhffrrrggh Inn info: 731 South Wurthing Hills, Janesville, WI 53546 (608)-741-8833

For more detailed driving directions use Mapquest.com.

Message from the Chair, Bill Nelson
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Attending the ASAE International Meeting in Sacramento reaffirmed my belief that ASAE plays an important role in our industry. Both at the National and Section level, ASAE helps to create unity among the industry, academia, and public service disciplines. This interaction is so valuable in helping to stimulate growth in agricultural, food, and biological systems.

The Wisconsin Section Officers met in June to plan this year's meeting schedule and to establish section goals. I would encourage everyone to stay involved in ASAE and help out with meeting these goals. If you have any questions or comments, please feel free to contact me or any of the section officers.

For myself, I feel honored to help guide the Wisconsin Section for the upcoming year.

2001-2002 Goals

- **Section Web Site:** The development of a Section web site was encouraged to provide continuity within the group. The primary function of the site would be to maintain records such as past officers, award winners and newsletters. It could also include the awards descriptions, section by-laws and officer duties to help facilitate continuity during officer changes. The Home page could provide a quick reference to upcoming meetings. It is envisioned that the maintenance of the site will be kept to a minimum and be the responsibility of the Secretary-Treasurer in the future.
- **Membership:** The focus will be to encourage student participation by subsidizing their meeting registration in hopes that they will become active members in the section.
- **Career Development:** The Career Development Committee is encouraged to meet with the Student Branches within the State to determine areas where the Section can facilitate career planning. An additional activity that could be considered is to develop ways to encourage Section professionals to attend high school and extension college orientations.

***** 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. *****

Treasurer's Report Addendum (November 29, 2000- February 28, 2001)

Opening Balance – November 29,1999**\$3999.51****Inflows (Income):**

- 2/20/2001 Deposit-National ASAE Dues \$1740.00
- 2/20/2001 Deposit-January Meeting \$863.00

(Total: \$2603.00)**Outflows (Expenses):**

- Draft# 469 Cash on Hand for meeting \$-60.00
- Draft # 470 Silver Spring Country Club –Jan. 2001 Meeting \$-672.67
- 1/30/2001 Bank Fee – return checks \$-2.00

(Total: \$-734.67)**Balance- February 28, 2001****\$5867.84**

Respectfully Submitted

Todd England, Treasurer

Nominate A Deserving Colleague For One of ASAE's Major Award**Nominations Due: OCTOBER 31**

You know the ones we're talking about – the teacher who inspires greatness, the designer whose products are many cuts above average, the researcher whose work is the foundation for later developments. Those often-unsung heroes and heroines in the engineering profession. It's time to give them the recognition they deserve. For details on how to nominate a colleague for one of the ASAE awards listed below, please refer to the ASAE web page at <http://asae.org/awards/> for instructions on how to prepare nominations of candidates. For further information, please contact Carol Flautt at flautt@asae.org or telephone (616) 428-6336.

CYRUS HALL McCORMICK-JEROME INCREASE CASE GOLD MEDAL: Honors exceptional and meritorious engineering achievement in agriculture that has resulted in new concepts, products, processes or methods that advanced the development of agriculture.

JOHN DEERE GOLD MEDAL: Honors achievement through engineering for improved manipulation, use and conservation of soil-water resource, and that has resulted in applications of a new concept, product, art or science that advanced the development of agriculture.

MASSEY-FERGUSON EDUCATIONAL GOLD MEDAL: Honors those whose dedication to the spirit of learning and teaching in the field of agricultural engineering that has advanced our agricultural knowledge and practice and whose efforts serve as an inspiration to others.

HENRY GIESE STRUCTURES AND ENVIRONMENT AWARD: Honors distinguished service in advancing the knowledge and science of agricultural structures and environment.

HANCOR SOIL AND WATER ENGINEERING AWARD: Honors contributions to advancement of soil and water engineering. Contributions may be in teaching, research, planning, design, construction, management or development of materials.

G. B. GUNLOGSON COUNTRYSIDE ENGINEERING AWARD: Honors outstanding engineering contributions to the development and improvement of the countryside.

ASAE KISHIDA INTERNATIONAL AWARD: Honors outstanding contributions to engineering-mechanization-technological programs of education, research, development, consultation or technology transfer that have resulted in significant improvements outside the United States.

NAMIC ENGINEERING SAFETY AWARD: Honors outstanding contributions to research, design, education or promotion that have advanced agricultural safety engineering.

IAFIS FOUNDATION-FPEI FOOD ENGINEERING AWARD: Award alternating between recognizing a "Distinguished" Food Engineer in odd-numbered years and an "Emerging" Food Engineer (with less than 10 years' practice) in even-numbered years. Honors original contributions in research, development or design, or in the management of food processing equipment or techniques of significant economic value to the food industry and the consumer. Award presented during the IAFIS Foundation Annual Conference in the spring with re-presentation at the ASAE Annual International Meeting which follows.

SUNKIST YOUNG DESIGNER AWARD: Award to an individual who is less than 40 years old at time of selection. Honors development or creation of a technical plan that is materially influencing agricultural engineering progress as evidenced by use in the field.

YOUNG EXTENSION WORKER AWARD: Award to an individual who is less than 40 years old at time of selection. Honors dedicated use of scientific methodology to seek out facts or principles significant to agricultural engineering.

A. W. FARRALL YOUNG EDUCATOR AWARD: Award to an individual who is less than 40 years old at time of selection. Honors outstanding success motivating the application of engineering principles to problems of agricultural engineering.

NEW HOLLAND YOUNG RESEARCHER AWARD: Award to an individual who is less than 40 years old at time of selection. Honors dedicated use of scientific methodology to seek out facts or principles significant to agricultural engineering.

MAYFIELD COTTON ENGINEERING AWARD: Honors outstanding contributions to the cotton industry.

NATIONAL FOOD AND ENERGY COUNCIL ELECTRIC TECHNOLOGY AWARD: Honors contributions to use of electrical energy in the production and processing of agricultural products and to emphasize the unique role of agricultural engineering.

ROBERT E. STEWART ENGINEERING HUMANITIES AWARD: Honors a graduate or undergraduate student who is a Student Member of ASAE at time of nomination for outstanding contributions to the profession and the humanities.

RAIN BIRD ENGINEERING CONCEPT OF THE YEAR AWARD: Honors an engineer or engineering team for unique contributions to development or advancement of a new engineering concept.

AWARD FOR THE ADVANCEMENT OF SURFACE IRRIGATION: Seeks to recognize and publicize those efforts that enhance the acceptance and efficient use of surface irrigation methods.

EVELYN E. ROSENTERER STANDARDS AWARD: Recognizes individuals who have given exceptional contributions toward the generation, maintenance and administration of ASAE standards.

<p style="text-align: center;">Request for Wisconsin Section Award Nominations Contact: Derek Whitelock</p>

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 Career Achievement 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 next **January 30th**, 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@uwrf

Wisconsin Section of the ASAE

AGRICULTURAL ENGINEERING CAREER ACHIEVEMENT AWARD

Purpose: To honor a Wisconsin Section member who has made outstanding contributions to Agricultural Engineering through work in research, education, design, and/or extension. Selection will be based on the candidates lifetime accomplishments as an engineer.

Eligibility: The recipient must be a member of the Wisconsin Section of the ASAE in good standing. The award is intended for an individual approaching the twilight of their career or an individual who has recently retired.

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 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
19 September, 2001 --- Janesville, WI

Happy Hour: 4-5pm *Upstairs Bar at Hhffrrrggh Inn*

Dinner: 5-6 pm *Beef, Chicken, Potatoes, Vegetables, Salad, Rolls*

Presentation: 6-7 pm *Caterpillar's Lexion Combine*

Business Mtg: 7pm -adjourn

Price is \$22.00 per member/guest and no cost for students if they pre-register by 10 Sept01. If students do not meet the 10 Sept registration deadline the cost will be \$15.00

Mail or fax this form, or reply by e-mail, by Monday, 10September2001 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

Name

Organization

Phone

Name	Organization	Phone

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

Members/guests: x \$22.00 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 = \$_____

Newsletter Highlights

- Spring Meeting Info
- Message From the Chair
- New ASAE Members
- Award Recipients
- Officer Nominations
- News From ASAE Headquarters

ASAE WISCONSIN SECTION



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

March 2001

2000-2001 Editor: Brad Igl
email: IglBradleyR@JohnDeere.com

Published Three Times Per Year

ASAE WI Section 2000-2001

Chair

Mark Purschwitz
University of Wisconsin-Madison
(608) 262-1180

1998-1999 Past Chair

Al Geisthardt
Jack Walters and Sons, Corp.
(414) 629-5521

Vice Chair Program (Chair-Elect)

Bill Nelson
Bou-Matic
(608) 222-3484

Vice Chair Awards

Dave Bohnhoff
University of Wisconsin-Madison
(608) 262-9546

Vice Chair Membership

Brian Holmes
University of Wisconsin-Madison
(608) 262-0096

Vice Chair Public Relations

Brad Igl
John Deere Horicon Works
(920) 485-5320

Vice Chair Career Development

Rod Zimmerman
Miller-St Nazianz Inc
(920) 773-2121

Secretary and Treasurer

Patrick Pritzl
John Deere Horicon Works
(920) 485-5185

WISCONSIN SECTION MEETING WEDNESDAY, MARCH 14 MIDWEST AG EXPO

The Spring ASAE Wisconsin Section Meeting will be held on Wednesday, March 14 in conjunction with the Midwest Ag Expo. The meeting will be held at Jingles' at the Coliseum.

At 4:00, Scott Neitzel of MG&E will discuss the unprecedented run-up of natural gas prices and the underlying causes that led to the run-up. Scott is the Vice President of Business Development and Fuels for MG&E.

Following the technical session there will be time for socializing with dinner to start at 5:30.

During the business meeting that follows, we will announce our newly elected officers and present the section awards.

Meeting Schedule:

**4:00 Technical Speaker – Scott Neitzel
4:45 Social ¾ Hour
5:30 Dinner
6:15 Business Meeting and Awards Presentations
7:00 Adjourn**

Directions to Jingles' (232 East Olin Avenue)

Jingles is located on the North side of the Alliant Energy Center (formerly Dane County Coliseum) just West of John Nolan Avenue on Olin Avenue. From the Westbound Madison Beltline (HWY 12/18) take the John Nolan exit. At the second stop light turn left onto Olin Avenue. Jingles' is on the right side. See next page for a detailed map.

We encourage everyone to visit the Midwest Ag Expo at the Alliant Energy Center prior to the meeting. The show hours are as follows:

Dates: March 13, 14 and 15

Location: Dane County Exposition Center
Madison, Wisconsin

Show Hours: March 13 - 9:00 am - 3:30 pm
March 14 - 9:00 am - 3:30 pm
March 15 - 9:00 am - 2:30 pm

Message From The Chair, Mark Purschwitz

The ASAE Wisconsin Section meeting on March 14 is an important event in itself, since we will be giving out our annual awards, but combining it with the Midwest Ag Expo makes it even better. Do you know how fortunate we are in Wisconsin to have such an event?

Even if your specialty is not machinery, this is a show you will find interesting just because it tells us a lot about what is happening technologically on Wisconsin farms. I have lived in several states, but none had an event that featured anywhere near as much farmstead-related equipment as this show. Many states have some sort of machinery show, and we of course have our annual Wisconsin Farm Progress Days. But to have a show that includes so much dairy, feeding, manure handling, general livestock, and other such equipment in one location is a great thing, one that we probably take for granted.

When I was at Clemson University in South Carolina, there were no machinery shows of any size in the state, and we had to drive way down into southern Georgia for the Sunbelt Expo. Indiana, where I went to college, only hosts the Farm Progress Show every third year. Both of these shows are excellent, as is our Farm Progress Days, but none of these offer nearly as much as our Midwest Ag Expo in terms of farmstead equipment.

I have the impression there is a trend, at least among the major machinery manufacturers, of deemphasizing shows, probably due to the declining return on their show costs as the numbers of farmers decrease. Some companies apparently are starting to target larger farmers or more specialized markets and not just be one of many displays at a show. I have no statistical evidence to back this up -- it is just my impression -- and I do not know if smaller companies or makers of dairy and other farmstead equipment are taking a similar look at shows. But I do feel that someday these large shows will be much fewer in number, just like the great machinery displays at county and state fairs are pretty much a thing of the past.

So take this opportunity to enjoy the Midwest Ag Expo and then follow it with a pleasant evening at the Section meeting paying tribute to our award winners. I hope to see you there.

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

Wednesday, March 14

Spring Meeting of the WI Section of ASAE at Midwest Ag Expo



Secretary's Report**February 28, 2001*****WI Section ASAE***

The winter meeting of the Wisconsin Section ASAE was held on January 18, 2001 in Sussex, WI. Participants toured the QTI and Quad Graphics in Sussex. The tour started with the QTI operation, which designs and manufactures the press, image processing and bindery control equipment for the printing industry. Then the tour continued across the street to the Quad Graphics Sussex Plant that performs the printing, finishing and distribution of their product.

33 people attended the tour and meeting which included 11 students.

The meeting was called to order by Mark Purschwitz at 6:45 p.m.

The items of discussion were to submit the award and officer nominations, and a proposal to help students with meeting and dinner cost.

The meeting was adjourned at 7:10 p.m.

Respectfully Submitted,

Patrick Pritzl

WI Section ASAE Secretary 2000/2001

Treasurer's Report**February 28, 2001*****WI Section ASAE*****Account Activity November 29, 2000 – February 28, 2001**

Beginning Balance

November 29, 1999

\$3,999.51

Revenue

▫ 02/20/01 deposit from National ASAE

\$1,740.00

▫ 02/20/01 deposit from January meeting

\$863.00

Expenditures

▫ 01/18/01 January meeting , (Silver Spring Country Club) Ck# 470

\$672.37

▫ 01/28/01 Cash on Hand

\$64.00

Ending Balance

February 28, 2001

\$5994.14

Respectfully Submitted,

Patrick Pritzl

WI Section ASAE Treasurer 2000/2001

2001 ASAE WI Section Award Recipients

LARRY JOHNSON TO RECEIVE CAREER ACHIEVEMENT AWARD

Larry Johnson, Vice-President of Engineering and Manufacturing for J-Star Industries, has been selected the 2001 recipient of the Agricultural Engineering Career Achievement Award. This biannual award is presented by the Wisconsin Section of ASAE to honor a member who has made outstanding contributions to the profession through work in research, education, design, and/or extension. Selection is based on a candidate's lifetime accomplishments as an engineer.

Larry began his professional career in 1970 as product engineer for Ford Motor Tractor Operations in Troy, Michigan. While at Ford, Larry was a construction equipment design team leader and also supervised world wide quality control audit systems. He also obtained his professional engineer's license. In 1982, he relocated to Fort Atkinson, Wisconsin, to begin work as Manager of Product Development for the Jamesway Division of Butler Manufacturing (now J-Star Industries) – a company widely known for its quality feed and waste handling equipment. In 1987 he became Vice-President of Engineering for J-STAR Industries. While in this capacity, Larry continued to direct the development of new and refined products; he implemented a company safety program, and conceived, implemented and progressively upgraded a company wide CAD and documentation system. Larry's responsibilities significantly expanded during 1999 when he became Vice President of Engineering and Manufacturing – a move that placed the operation of 300,000 square feet of manufacturing facilities under his direct supervision.

Throughout his professional career, Larry has remained an active member of both ASAE and EMI (Equipment Manufacturers Institute). ASAE committees of which he is currently a member include: Finance (E-20), Standards (T-01), International Standardization (T-13), Ergonomics, Safety and Health (T-15), and Standards for Power and Machinery (PM-03). Larry was Chair of the Wisconsin Section of ASAE in 1995-96 and Vice-Chair of Program in 1994-95. As a member of EMI, Larry served on the Technical Council, Farmstead Equipment Association Council, and Executive Committee. In 1987, he was selected Engineer of the Year by EMI. Larry is also an active member of the UW-Madison Biological Systems Engineering Advisory Committee, and he recently received the Distinguished Service Award from the UW-Madison College of Engineering.

In his spare time, Larry has enjoyed serving his community. He has been involved with the Administrative Board of the Fort Atkinson Science Fair, and has been a judge of the event for several years. As a member of the Fort Atkinson Pilots Association and Airport Committee, he has worked on airport upgrading including the installation of an FAA instrument approach system. Larry remains active in his local church where he has been a Sunday school teacher, Christian School Board President, Building Committee member, a member of the Board of Elders, and an active participant in youth and music programs.

Larry and his wife Lenore have two sons: Greg, a sophomore at Taylor University, and Aaron, a senior at Fort Atkinson high school.

PAUL THOMPSON TO RECEIVE WAYNE G. RUSSELL AWARD

Dr. Paul Thompson has been selected the 2001 recipient of the Wayne G. Russell Award. Dr. Thompson has had a distinguished career in the field of machine milking, milk cooling and milk storage. Paul has been involved in the application of engineering knowledge to a wide variety of problems ranging from basic bioengineering research on machine-cow interactions during milking to the management of a multinational production and marketing firm.

Paul's wide range of interests are reflected in his membership in numerous professional societies including American Society of Agricultural Engineers, IEEE, American Solar Energy Society, American Institute of Ultrasound in Medicine, American Dairy Science Association, the National Mastitis Council and the Human Factors Society. He has been widely published with over 100 technical publications on ultrasonic, milking machines, mastitis and solar energy. He holds several US and foreign patents on milking related devices including Bou-Matic's "Flow-Star" milking machine claw and liners.

During his tenure as a research scientist with the USDA Agricultural Research service, Paul managed dairy farm applications of solar energy and energy conservation research. In his role as President of Dairy Equipment Company he continues to be at the forefront of issues relating to electrical energy use on dairy farms. DEC is the largest manufacturer of milk cooling and storage equipment in the US and was the first company to commercialize energy saving adjustable speed drives on both milk pumps and vacuum pumps.

Dr. Thompson has served on numerous technical advisory committees related to the dairy industry. He has been the recipient of numerous professional honors and awards. Paul has demonstrated a life-long commitment to the safe and efficient use of electrical energy on the dairy farms of the world and is universally respected by his peers.

The Wayne G. Russell Award will be presented during the March 14th Wisconsin Section meeting. The award is named after the late Wayne G. Russell who was a career employee of Wisconsin Power and Light Company (now Alliant Energy) who was instrumental in founding the Midwest Ag Expo (formerly called Electric Power & Equipment Show).

New ASAE Members

Wisconsin Section of ASAE would like to welcome the following new members:

Reinstated Members:

Sara E. Brantmeier
John J. DeRosia

Hoard's Dairyman

hoards@hoards.com
john@johnnderosia.com

Student Members:

Jeffrey T. Osterhaus
Laura J. Delaney
Timothy M. Dittrich
Julie L. Graham
Richard M. Burrack
Daniel E. Everett
Shaun T. Van Deurzen
Russell K. Herschleb

Univ. of Wisconsin
Univ. of Wisconsin
Univ. of Wisconsin
Univ. of Wisconsin
Univ. of Wisconsin
Univ. of Wisconsin
Univ. of Wisconsin
Univ. of Wisconsin

osterjeff@yahoo.com
ljdelaney@students.wisc.edu
Juliegraham@students.wisc.edu
Rmburrack@students.wisc.edu

News From ASAE Headquarters

Member-Get-A-Member Campaign

Thanks to the diligence of our membership, 76 new members joined the Society through the May 2000 Member-Get-A-Member Campaign. We will be publishing the names of the members who successfully referred new ASAE members in the January 2001 issue of Resource thanking them for their coercive efforts. All new members will continue to be welcomed in Resource. Remember, for every paid new member (non-student) you recruit who joins and references your name, you will receive a \$20.00 ASAE gift certificate and a \$3.00/member rebate for your section. Gift certificates may be used for anything you purchase from ASAE including member dues, publications and meeting and conference registration.

ASAE Gift & Recognition Items

Did you know that ASAE has a full line of gift and recognition items complete with ASAE logo for sale? We have everything from polo shirts and hats to leather portfolios and watches. These items are perfect for holiday gift giving and special recognition of outstanding section officers and members. Please see attached file for a complete list of items for sale. For further information or to place an order, please contact Carol Flautt at flautt@asae.org or 800/371-2723.

Competitions Held During The ASAE Annual Meeting

Student Mile Award - travelling trophy

Micro-Mini Tractor Pull

Preprofessionals Design Projects Poster Session - cash prizes

Environmental Student Design Competition - cash prizes New in 20

Preprofessional/Student Scholarships, Awards and Competitions Deadlines

ASAE is pleased to offer the following scholarships, awards and competitions. For a complete description of each award and entry rules, please see the ASAE Web site at <http://asae.org/membership/index.html> or contact Carol Flautt at flautt@asae.org or 616/428-6336.

-Adams Scholarship - \$1,000 grant

Entry Deadline: 4/15/01

-K.K. Barnes Student Paper Award - cash prizes

Entry Deadline: 4/15/01

(Oral portion of the competition held during the Annual Meeting)

-EMI Trophy Competition - plaque

-National Student Design Competition - cash prizes

Entry Deadline: 5/15/01

(Oral portion of the competition held during the Annual Meeting)

-Student Honor Award - certificate and key chain medallion

Entry Deadline: 5/15/01

-Robert E. Stewart Engineering Humanities Award - plaque

Entry Deadline: 10/31/01

Web Site Hosting

We are offering to host a simple Web site for any section to be maintained by ASAE. It would be your responsibility to provide us with the information and updates you would like posted such as section officers, newsletters, meeting/event announcements, meeting minutes, etc. There would then be a link from the Sections page of the ASAE Web site at <http://asae.org/sections/>. Please let me know if you would like us to put something together for you.

New Member Benefit!! Electronic Access to ASAE

We are pleased to announce an outstanding new member benefit – electronic access to ASAE. With the development of electronic access, members will be able to access a database of all ASAE technical publications produced during 2001 including journals, proceedings, monographs, technical papers, standards, reference books and textbooks. The site will be fully operational by January 1, 2001 with a demonstration site available this October.

The ASAE Member Roster is now available electronically, allowing you to find content information anytime of the day or night from anywhere in the world. To access the database, go to <http://asae.org/> and click on the Membership Access Site link. Once you have logged in, you will be able to access your member record and search the member database using a wide range of parameters. In addition, you will soon be able to register for meetings and conferences on-line. And the most exciting part - electronic access is a benefit of membership.

Industry Outreach Program

ASAE is currently developing an Industry Outreach Program which will be funded by the ASAE Foundation. The program's goals are to build industry relationships; strengthen industry member participation in ASAE; foster understanding of ASAE missions, products and services; increase industry membership; and provide feedback from industry. In the beginning, one trip per quarter will be taken by retired ASAE staff in which multiple companies will be visited within the same geographic area. We see this as a great opportunity to expand membership from industry.

Web Site Revision

The revision of the ASAE Web site is well underway at <http://asae.org/>. Thanks to the dedication of our webmaster, the site is more user-friendly and logically navigable. The complete revision will be finished by the first week of the new year.

2001 ASAE Nominations for WI Section Officers

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

☐ Doug Reinemann
☐ Brian Holmes
☐ _____

Career Development Committee

☐ John Roll
☐ _____

Secretary/Treasurer
(vote for one)

☐ Tom Giles
☐ Todd England
☐ _____

Vice Chair-Awards

☐ Derek Whitelock
☐ _____

Vice Chair-Membership

☐ Daryl Jaeger
☐ _____

Vice Chair-Public Relations

☐ Bob Loehr
☐ _____

Nomination Committee
(vote for two)

☐ Brian Hitt
☐ Damion Babler

Please fill out this ballot and return it to the address below by **Thursday, March 8**.
Officers will be announced at the Section Meeting on Wednesday, March 14.

Patrick Pritzl
John Deere Horicon Works
300 North Vine Street
Horicon, WI 53032
Fax: 920-485-5735
E-mail: PritzlPatrickJ@JohnDeere.com

Registration Form
Wisconsin Section ASAE Meeting
Wednesday, March 14th
Ag Expo

Mail or fax this form, or reply by e-mail, by Thursday, March 8 2001.

Price is \$24.00 per member/guest and \$18.00 per student.

Patrick Pritzl
John Deere Horicon Works
300 North Vine Street
Horicon, WI 53032

Phone: 980-485-5185
Fax: 920-485-5735
E-mail: PritzlPatrickJ@JohnDeere.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 \$24.00 each = \$ _____

Sponsor a Student*: _____ x \$6.00 = \$ _____

Students: _____ x \$18.00 each = \$ _____

Total Attending: _____ Total Enclosed = \$ _____

*** Money collected from additional donations from members will be given to student sections to help offset student registration fees and to promote student activity in the section. Your contributions will be greatly appreciated and put to good use.**

**** If you make a reservation but cannot attend the meeting, you will still be responsible for the registration fee since we need to give the restaurant an attendance amount prior to the day of the meeting. ****

Newsletter Highlights

- Winter Meeting Tour and Info
- Message From the Chair
- New ASAE Members
- Call for Award Nominations
- Secretary and Treasurer's Report
- News From ASAE Headquarters

ASAE WISCONSIN SECTION



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

January 2001

2000-2001 Editor: Brad Igl
email: IglBradleyR@JohnDeere.com

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ASAE WI Section 2000-2001

Chair

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(608) 262-1180

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(608) 262-9546

Vice Chair Membership

Brian Holmes
University of Wisconsin-Madison
(608) 262-0096

Vice Chair Public Relations

Brad Igl
John Deere Horicon Works
(920) 485-5320

Vice Chair Career Development

Rod Zimmerman
Miller-St Nazianz Inc
(920)773-2121

Secretary and Treasurer

Patrick Pritzl
John Deere Horicon Works
(920) 485-xxxx

Wisconsin Section Meeting Thursday January 18 at Quad Graphics

The Winter ASAE Wisconsin Section Meeting will be held on Thursday, January 18 and will include a tour of Quad Graphics and a dinner meeting at the Silver Spring Country Club.

Two divisions of Quad Graphics will be toured, starting with QTI at 2:30. QTI is recognized as a leader and innovator in the press and bindery control industry. Their state-of-the-art headquarters in Sussex, Wisconsin, is a complete engineering, manufacturing and training facility. QTI's resources range from software programming and computer-aided design to the manufacture of heavy machinery. QTI has specialists in optics, control systems, mechanical and electrical engineering, image processing, and network systems who are working on the problems of tomorrow-today.

Then, we will tour the Sussex Plant at 3:30. The Sussex Plant is 1.3 million square feet in size and offers enormous printing and production-related capabilities, some of which are digital imaging, web offset printing, finishing (perfect binding and saddle stitching) and distribution. Strategically located in the center of their Midwest manufacturing network, the Sussex plant serves as a hub for product consolidation and distribution.

Following the tours, we will meet at the Silver Springs Country Club for socializing and a dinner meeting. The social hour will be from 4:45 – 5:30, dinner from 5:30 to 6:30 and the business meeting will start at 6:30.

Meeting Schedule

2:30 – 3:15 Tour of QTI
3:30 – 4:15 Tour of Sussex Printing Plant
4:45 – 5:30 Social Hour (Silver Springs Country Club)
5:30 – 6:30 Dinner
6:30 - Business Meeting

Directions to Silver Spring Country Club:

From Hwy. 45 take the Silver Spring Exit, go West 6 miles, they are located on the North Side of the Road.



Message from the Chair Mark Purschwitz

Time marches on, and things change. We completed a long and tedious election process and will have a new president as well as a 50-50 split in the US Senate. The leaders of North and South Korea met for the first time. The human genome has been decoded. The Israeli prime minister announced his resignation amidst turmoil but will run for reelection. Case announced the closing of an historic tractor plant in Racine. A robot now milks cows on a farm in Wisconsin. A baseball player signed a contract for a quarter *billion* dollars. The Packers defeated the Vikings in the Metrodome.

One thing that never changes, though, is that the world still needs food and clothing, now more than ever. And that is where we as agricultural engineers come in. Like many other areas of society, we are being asked to do more with less – in our case, feed more people using fewer resources and giving off fewer pollutants – and we are doing it well. We should each take a moment from our hectic day to reflect on what we do and the important roles we individually and collectively play in society.

We should be proud of what we do, and also be proud of the fact that we as a profession are very versatile. We design machines, buildings, and other structures; process commodities and food products; efficiently use and protect our natural resources including air, soil, water, and energy; and ultimately provide for many people a better quality of life.

Getting together at an ASAE Section meeting is more than just learning something new or conducting business. It is also a time to relax and take satisfaction in the fact we belong to a great and important profession. On behalf of the officers of the Wisconsin Section, we cordially invite you to come join your fellow ASAE members at the upcoming section meeting detailed in this newsletter. We hope to see you there.

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

Call for Section Award Nominations

David Bohnhoff

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 Career Achievement 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 next **January 30th**, 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 **Dave Bohnhoff**, this year's Vice Chair of Awards. Dave's work address is **460 Henry Mall, Madison, WI 53706**. He can be reached by phone **(608-262-9546)**, fax **(608-262-1228)** or E-mail bohnhoff@facstaff.wisc.edu.

Wisconsin Section of the ASAE

AGRICULTURAL ENGINEERING CAREER ACHIEVEMENT AWARD

Purpose: To honor a Wisconsin Section member who has made outstanding contributions to Agricultural Engineering through work in research, education, design, and/or extension. Selection will be based on the candidates lifetime accomplishments as an engineer.

Eligibility: The recipient must be a member of the Wisconsin Section of the ASAE in good standing. The award is intended for an individual approaching the twilight of their career or an individual who has recently retired.

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 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.

Secretary's Report**December 28, 2000****WI Section ASAE**

The fall meeting of the Wisconsin Section ASAE was held on October 12, 2000 in DeKalb, IL. This meeting was a joint tour with the Central Illinois, Chicago and Wisconsin Sections. Participants toured the Caterpillar Agricultural Products plant in DeKalb, IL. A thank you goes out to Mark Tronc from Caterpillar for his work in organizing the tour.

The tour started at 4 p.m. The plant was not operating at the time. Dinner was brought on site and we ate in the plant's cafeteria. There were 112 people in the tour. Of that 112, 64 were from the Wisconsin Section and 25 were students. There were a few logistical problems in which all of the people that had registered from the Wisconsin Section were submitted to the Caterpillar personal. They in turn had every body, including the Wisconsin attendees, listed as registering under the Chicago Section. Plus there were a few late registrants that were not accounted for until the time of the meeting. We had 55 people sign up, but 64 showed up under the Wisconsin Section.

The meeting was called to order by Mark Purschwitz at 6:30 p.m. Introductions of section officers and all individuals, who attended the meeting, were completed.

There was a reminder to read the newsletter, especially for the award nomination requirements.

The secretary and treasurer's reports were not published at the time of the meeting.

ASAE President Harmon Towne spoke, giving us the status of ASAE.

The meeting was adjourned at 6:52 p.m.

Respectfully Submitted,

Patrick Pritzl

WI Section ASAE Secretary 2000/2001

Treasurer's Report**December 28, 2000****WI Section ASAE****Account Activity May 30, 2000 – November 29, 2000****Beginning Balance**

May 30, 2000	\$4,016.51
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Revenue

▫ 07/21/00 deposit	\$100.00
▫ 11/15/00 deposit	\$605.00

Expenditures

▫ 10/19/00 October meeting expense, ASAE Chicago Sec. (check 468)	\$720.00
▫ 11/29/00 Service Charge	\$2.00

Ending Balance

November 29, 1999	\$3,999.51
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Not Yet Deposited

November 29, 1999	\$105.00
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Respectfully Submitted,

Patrick Pritzl

WI Section ASAE Treasurer 2000/2001

NEW ASAE MEMBERS

Wisconsin Section of ASAE would like to Welcome the Following New Members:

Reinstated Members:

Mr Jason M. Martin	Case Corporation	jason.martin@cnh.com
Dr K G. Karthikeyan	Univ of Wisconsin	kkarthikeyan@facstaff.wisc.edu

Student Members:

Mr Andrew E. Briggs	Univ of Wisconsin Platteville	briggsa@uwplatt.edu
Mr Chad P. Anacker	Univ of Wisconsin River Falls	
Mr Eric D. Wehling	Univ of Wisconsin River Falls	eric.d.wehling@uwrf.edu
Mr Jared D. Matzek	Univ of Wisconsin River Falls	jared.d.matzek@uwrf.edu
Mr Jesse S. Keene	Univ of Wisconsin River Falls	jesse.s.keene@uwrf.edu
Mr Justin S. Storlie	Univ of Wisconsin River Falls	justin.l.storlie@uwrf.edu
Mr Kraig L. Knapp	Univ of Wisconsin Platteville	kraigknapp@hotmail.com
Mr Lee W. Schomberg	Univ of Wisconsin River Falls	lee.w.schomberg@uwrf.edu
Ms Lisa L. Ellis	Univ of Wisconsin River Falls	le18@uwrf.edu
Mr Lucas B. Young	Univ of Wisconsin River Falls	lucas.b.young@uwrf.edu
Mr Nicholas J. Jeffries	Univ of Wisconsin River Falls	nicholas.j.jeffries@uwrf.edu
Mr Paul M. King	Univ of Wisconsin River Falls	paul.m.king@uwrf.edu
Mr Spencer P. Beaulieu	Univ of Wisconsin	
Mr Ted M. Weinzirl	Univ of Wisconsin	ted.m.weinzirl@uwrf.edu
Mr Travis R. Nonn	University of Wisconsin	trnonn@students.wisc.edu

NEWS FROM ASAE HEADQUARTERS

Member-Get-A-Member Campaign

Thanks to the diligence of our membership, 76 new members joined the Society through the May 2000 Member-Get-A-Member campaign. We will be publishing the names of the members who successfully referred new ASAE members in the January 2001 issue of Resource thanking them for their coercive efforts. All new members will continue to be welcomed in Resource. Remember, for every paid new member (non-student) you recruit who joins and references your name, you will receive a \$20.00 ASAE gift certificate and a \$3.00/member rebate for your section. Gift certificates may be used for anything you purchase from ASAE including member dues, publications and meeting and conference registration.

ASAE Gift & Recognition Items

Did you know that ASAE has a full line of gift & recognition items complete with ASAE logo for sale? We have everything from polo shirts and hats to leather portfolios and watches. These items are perfect for holiday gift giving and special recognition of outstanding section officers and members. Please see attached file for a complete list of items for sale. For further information or to place an order, please contact Carol Flautt at flautt@asae.org or 800/371-2723.

Competitions Held During the ASAE Annual Meeting

Student Mile Award - travelling trophy
 Micro-Mini Tractor Pull
 Preprofessionals Design Projects Poster Session - cash prizes
 Environmental Student Design Competition - cash prizes New in 20

Preprofessional/Student Scholarships, Awards & Competitions Deadlines

ASAE is pleased to offer the following scholarships, awards and competitions. For a complete description of each award and entry rules, please see the ASAE Web site at <http://asae.org/membership/index.html> or contact Carol Flautt at flautt@asae.org or 616/428-6336.

- Student Engineer of the Year Scholarship** - \$1,000 grant Entry deadline: 2/15/01 (notice: this deadline has been changed from years previous)
- Adams Scholarship** - \$1,000 grant Entry deadline: 4/15/01
- K.K. Barnes Student Paper Award** - cash prizes Entry Deadline: 4/15/01 (Oral portion of the competition held during the Annual Meeting)
- EMI Trophy Competition** - Plaque Entry deadline: 4/15/01
- National Student Design Competition** - cash prizes Entry Deadline: 5/15/01 (Oral portion of the competition held during the Annual Meeting)
- Student Honor Award** - certificate and key chain medallion Entry deadline: 5/15/01
- Robert E. Stewart Engineering Humanities Award** - plaque Entry deadline: 10/31/01

New Member Benefit!! Electronic Access to ASAE

We are pleased to announce an outstanding new member benefit - electronic access to ASAE. With the development of electronic access, members will be able to access a database of all ASAE technical publications produced during 2001 including journals, proceedings, monographs, technical papers, standards, reference books and textbooks. The site will be fully operational by January 1, 2001 with a demonstration site available this October. The ASAE Member Roster is now available electronically, allowing you to find content information anytime of the day or night from anywhere in the world. To access the database, go to <http://asae.org/> and click on the Membership Access Site link. Once you have logged in, you will be able to access your member record and search the member database using a wide range of parameters. In addition, you will soon be able to register for meetings and conferences on-line. And the most exciting part - electronic access is a benefit of membership.

Industry Outreach Program

ASAE is currently developing an Industry Outreach Program which will be funded by the ASAE Foundation. The program's goals are to build industry relationships; strengthen industry member participation in ASAE; foster understanding of ASAE missions, products and services; increase industry membership; and provide feedback from industry. In the beginning, one trip per quarter will be taken by retired ASAE staff in which multiple companies will be visited within the same geographic area. We see this as a great opportunity to expand membership from industry.

Web Site Revision

The revision of the ASAE Web site is well underway at <http://asae.org/>. Thanks to the dedication of our webmaster, the site is much more user-friendly and logically navigable. The complete revision will be finished by the first week of the new year.

Web Site Hosting

We are offering to host a simple Web site for any section to be maintained by ASAE. It would be your responsibility to provide us with the information and updates you would like posted such as section officers, newsletters, meeting/event announcements, meeting minutes, etc... There would then be a link from the Sections page of the ASAE Web site at <http://asae.org/sections/>. Please let me know if you would like us to put something together for you.

**Registration Form
Wisconsin Section ASAE Meeting
January 18, 2001
Quad Graphics**

***Mail or fax this form, or reply by e-mail, by Monday, January 15 2001.
Price is \$24.00 per member/guest and \$18.00 per student.***

Patrick Pritzl
John Deere Horicon Works
300 North Vine Street
Horicon, WI 53032

Phone: 980-485-xxxx
Fax: 920-485-5735
E-mail: PritzlPatrickJ@JohnDeere.com

Name

Organization

Phone

Name	Organization	Phone

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

Members/guests: _____ x \$24.00 each = \$_____

Students: _____ x \$18.00 each = \$_____

Total Attending: _____ Total Enclosed = \$_____

**** If you make a reservation, but cannot attend the meeting, you will still be responsible for the registration fee since we need to give the restaurant an attendance amount prior to the day of the meeting. ****