



November 1999

Milwaukee Section
www.milwaukeesae.org

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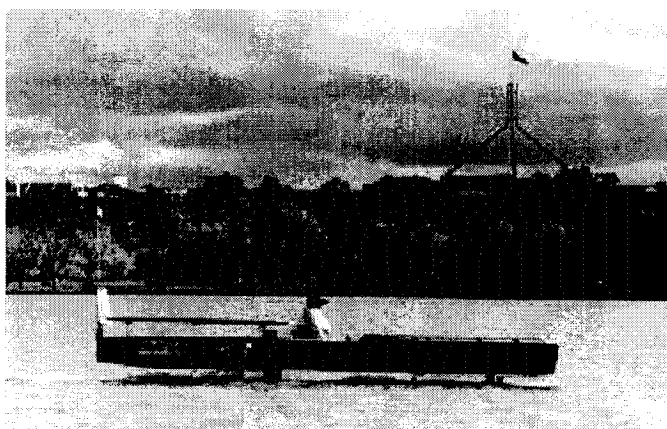
NOVEMBER SAE/ASME DINNER MEETING

 Wednesday, November 10, 1999

MEETING AGENDA

TOPIC: Student Competitions

Presentations by the Milwaukee School of Engineering (MSOE) on their 1999 Aero Design[®] competition and by Marquette University (MU) on their 1999 Solar Splash competition.



Marquette University's *Shadow* Solar Boat



MSOE Demonstrates Wing Strength

Meeting: Bluemound Gardens Banquet Center
(Formerly Christy's Restaurant)
11703 West Bluemound Road
Wauwatosa (Southwest corner of Bluemound Road & Homewood Avenue - 117th Street)
Enter from the lower parking lot off of Homewood Avenue.

Social: 5:00 pm
Dinner: 6:00 pm
Presentation: 7:00 pm

MENU: Choice of - Stuffed pork chop or Chicken breast / Orange Roughy combination plate

Both entrees include tossed salad, vegetable, potato, rolls, beverage, and a brownie dessert.

Meal will include bread, coffee, tea or milk

Dinner Costs:

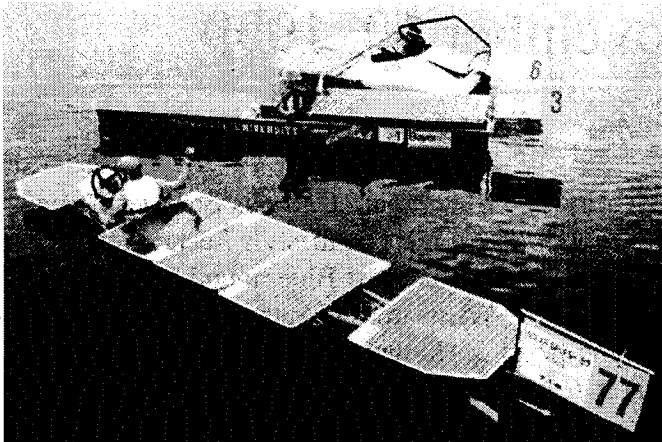
Members & Spouses:	\$18.00
Guests:	\$19.00
Students:	\$ 9.00

Registration Info:

Please register for the dinner by contacting Kim Kellen at 414-616-1374 **no later than 10:00 AM on Monday, November 8th**. No shows with reservations will be billed. Attendance during presentation only is welcome at no charge. Fifty year members are entitled to one free meal per year.

Marquette University

Marquette University's *Shadow* is the first and only American built, solar powered hydrofoil. The MU racing team traveled to Australia last spring and won the International Class at the Bayer Solar and Advanced Technology Boat Race in Canberra on May 1. In June, twelve teams from eleven schools took part in the annual Solar Splash competition at Milwaukee's lake front this year. Marquette's *Shadow* took second place in the slalom race, was the third fastest qualifier, was third in the endurance event, and finished fifth overall. The *Shadow* will be displayed at the meeting.



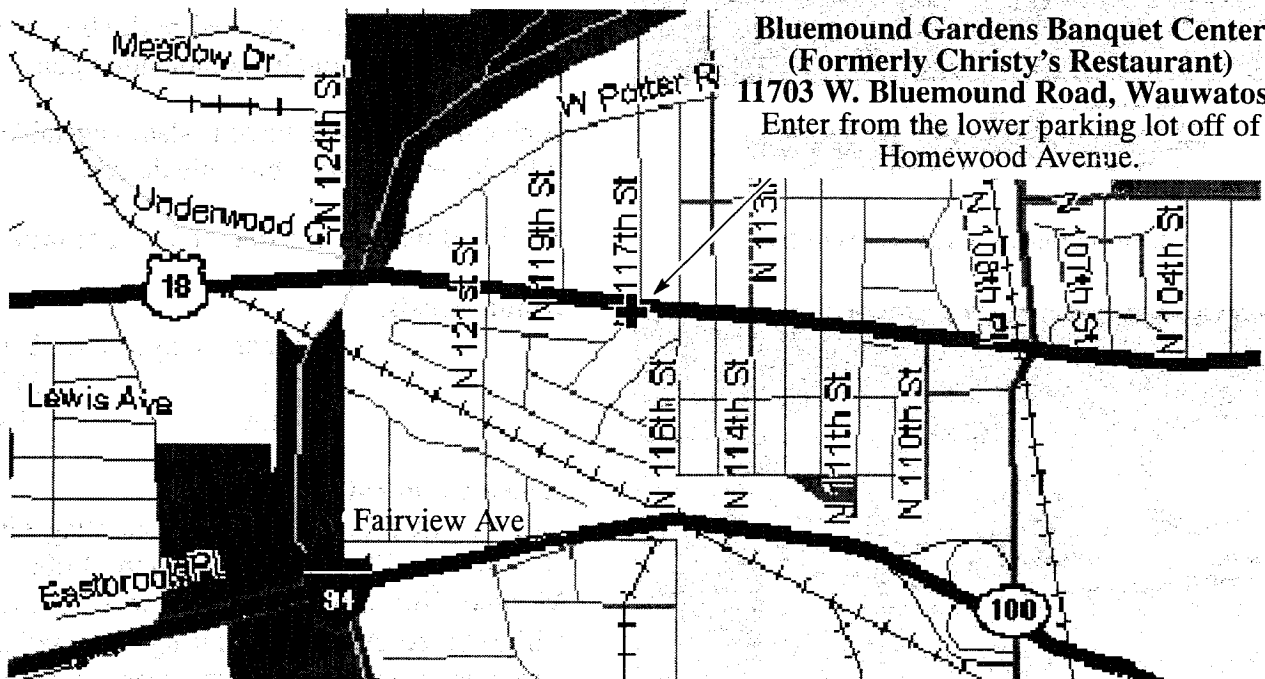
Cederville College, Marquette University And Tech Prep boats get ready for the Endurance event

Milwaukee School Of Engineering Aero Design®

The Challenge: 130 lbs of cargo, a 40 lb plane, takeoff in 200 ft., circle and land all on 3 oz. of fuel. MSOE prevailed amidst flying wings and canards with a high aspect ratio, high lift, composite wing, and determination. Taking the best aspects of the heavy lifting C5A and the fuel economy of a hummingbird, MSOE was able to set the standards for the SAE Aero Competition for the last two years. The team will be presenting airfoil construction, aerodynamic strategy, and videos of the successes and pitfalls of past competitions.



MSOE Open Class Winning Airplane And Crew



Bluemound Gardens Banquet Center
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Enter from the lower parking lot off of
Homewood Avenue.

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From Your Chairman:

On behalf of the Milwaukee Section Governing Board, I invite you to our second dinner meeting of the 1999-2000 Section Year. This month's meeting features student competitions, particularly the Aero Design and Solar Splash competitions. You will be impressed by the high quality work generated by these competitions. If your organization needs good engineers with practical design experience, you may want to recruit at this meeting.

Speaking of recruiting, we are also continuing to recruit volunteers for the 2000 SAE Midwest Mini-Baja[®]. Volunteers are needed for judging, timing, scoring and flagging. If you are able to donate some time during a weekend next June, please contact Alicia Muszynski via e-mail at alicia_muszynski@harley-davidson.com or by telephone at 414-616-1348. Thank you for your consideration.

Jerry Fellows
1999-2000 Chairman
Milwaukee Section SAE

Additional Displays:

Additional displays by the winners of the 1999 Southeastern Wisconsin Science & Engineering Fair winners.

Senior Division: Mr. Nikolas Bohne

12th grade, Nicolet High School

Subject: Acoustic Resonance Spectroscopy

Junior Division: Mr. Charles Bauer

8th grade, Lake Shore Middle School

Subject: Effects of Wind Change on the Output of a Wind Generator



SAE Milwaukee Section



Special Day!

👉 **Wednesday, November 10** 👈
Joint **SAE/ASME** Dinner Meeting
Collegiate Design Competitions
Meeting Sponsorship

We would like to thank the following organizations for their continued support of the Milwaukee Section:

Waukesha Engine, Harley-Davidson

For more information on becoming a sponsor, please contact: Jerry Fellows 414-225-8265