



MAY MEETING

Thursday, 20-May-2004



PROGRAM:

FAMILY EVENT

Discovery World Museum & SAE AWIM Ramp Races

- ◆ Hear representatives from DW speak about learning opportunities & teacher/classroom science labs
- ◆ Tour the DW exhibits with your family - bring the kids
- ◆ Here's an idea... bring their teacher!
- ◆ What's a "Dodge Van Giraffe" generator? Come to the GAMMEX theatre show and see for yourself!
- ◆ Oh ya! Some great prizes - for the kids... and an *AWIM* race car they will build and run, to win them!
- ◆ Saz's Buffet included at ½ price for kids 3-12yrs... but you won't pay that! Your Milw SAE section will. And then, a generous contribution from Badger Meter was provided to offset the adult cost! Way coo'!

Well, our last meeting of this season should be "real swell! Hey Wally!" Indulge me a bit, but this night should be fun! Discovery World (DW) is in the Milwaukee Museum building. Whether you're designing the prototype of your latest invention, taking apart a household gadget, or creating the

framework for your business, Discovery World does their best to equip you with everything you need to identify and embrace tomorrow's opportunities.

Discovery World's 150 hands-on exhibits, live theatre shows and interactive activities are a combination of science, technology, entrepreneurship and FUN!

Location: Discovery World

The Milwaukee Museum Center
815 N. James Lovell St
Milwaukee, WI 53233
phone: 414-765-9966

--- EVENT AGENDA ---

Registration:	5:00pm
GAMMEX Electric Show	5:15pm
Dinner:	6:00pm
Program & Tour of	
Discovery World Labs:	7:00pm
<i>AWIM</i> Ramp Races:	8:00pm

--- DINNER ---

MENU:

Buffet will be provided - *No selection is required*
SAZ's State House dinner with all the trimmings.

COST:

SAE Members / spouses:	\$10.00
Retirees:	\$10.00
Guests / Non-members:	\$12.00
Children	\$3.00

Registration:

Dinner reservations must be received the week before the event. Only charge card pre-payment can be collected on line, via <http://milwaukee.sae.org> . Email at: milw-sae@wi.rr.com , or

phone: **(414) 465-6420** , then pay at the door. "No-shows" with reservations will be billed.

Registration deadline: 2:00pm – Friday, May 14th

Topics: The History of Discovery World and the New Facility / AWIM
Speakers: <> Paul Krajniak, Executive Director of Discovery World
<> Liz Sutton, Community Education Coordinator of Discovery World

Paul, a Milwaukee native, has championed the James Lovell Museum of Science, Economics and Technology's mission through the development of innovative educational experiences in science, technology, engineering and entrepreneurship. His tenure with the museum began in 1984, serving many of those years as director of exhibits and program development. Before joining Discovery World, Krajniak studied under educational psychology expert Dr. Raymond Wlodkowski, PhD., author of *Motivation and Teaching* and *Eager to Learn*. He has an extensive history of public service as a municipal arts board administrator, artist, and educator and today provides curriculum and project management oversight for all museum programs and activities.

His work with Discovery World has been recognized by ID Magazine and by NBC's *Today Show*, which named Discovery World as one of the Top Five Interactive Museums in the country. Exhibit Builder Magazine, the Association of Science and Technology Centers, the Village Voice and the Milwaukee Journal Sentinel have also recognized his efforts. He has collaborated with internationally acclaimed artists such as Meredith Monk, Ping Chong and music producer Todd Rundgren as well as coordinating 36 spots on the Captain Kangaroo Show. In 1999 Krajniak became the first outside artist to design exhibit space at the Walker Art Center in Minneapolis, MN. The 10,000 square foot exhibit displayed a retrospective on Meredith Monk, Bill T. Jones and Merce Cunningham.

Liz earned her B.S. in Education from UW-Stevens Point, and is certified 1-8 elementary education and 1-9 environmental education. She serves as an Educator at DW, worked with *AWIM* over the past year. Liz has taught at various levels in Southeastern Wisconsin, and began with DW last summer, teaching summer day camps. In August 2003, she began full time work in her current position.

She will be discussing *AWIM* , part of the SAE Foundation, the program at Discovery World, to include professional development, use of the program in classrooms, and how SAE members can get involved.

Driving Directions:

From Green Bay (I-43 South)

Exit at Wells/Civic Center exit, veer left onto Wells. Go four blocks east, passing James Lovell St to 6th St. Turn left onto 6th, left again onto State. Go one block west and turn left onto N. James Lovell St. DW is located just south of State.

From Madison (I-94 East)

Follow I-94 towards I-794, exit at Civic Center/J. Lovell exit (first exit on I-794). At the bottom of the off-ramp, follow the road curving left onto N. James Lovell St. Take N. James Lovell north, turn right onto Wells Street. Merge left immediately, turn left onto 6th. Turn left again onto State Street then one more left onto N. James Lovell. DW is located just south of State.

From Chicago (I-94 West)

Follow I-94 West to I-43 North (Green Bay). Follow I-43 N only briefly and exit at the Civic Center/Kilbourn Avenue exit (through tunnel). Turn left on 6th St and turn left on State St, then go one block west to N. James Lovell, turning left onto N. James Lovell Street. Discovery World is located just south of State Street.

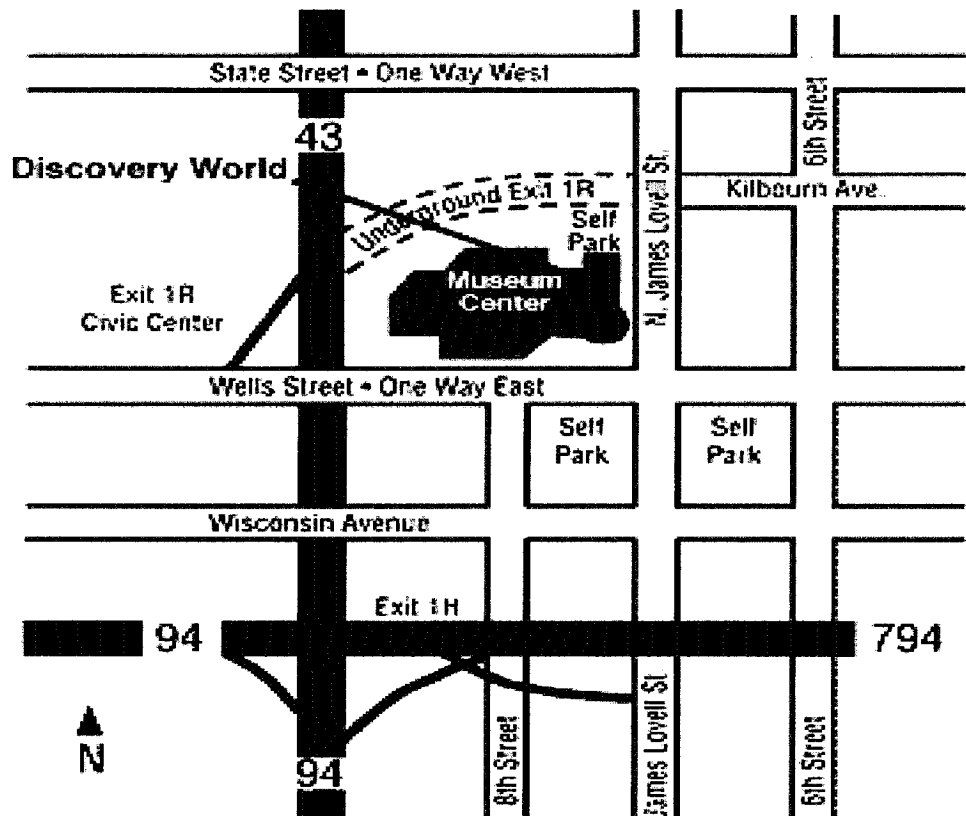
June 3-6, SAE Mini-Baja 2004

S.A.E. Midwest Mini-Baja competition – Jefferson County Fair
Grounds & Aztalan

*Upcoming
Events*

MAP : Discovery World
Milwaukee Museum Ctr
815 N. James Lovell St
Milwaukee, WI 53233
phone: 414-765-9966

You can learn more at
the DW website :
www.discoveryworld.org



Hello Milwaukee Section!

This is Mark DeBattista, Section Event Chair. I'd like to include this message one more time. I need your assistance to check on the coverage of our present email newsletter distribution.

As you know, we have been providing an electronic version of the **SAE Milwaukee Section Newsletter** via email for the last few months. Electronic newsletter distribution saves a good portion of section money, funds that used to be spent on lithography, postage, and kids tickets at DW. This is good! However, I know that some members are still not getting the Milwaukee Section email newsletters that are being sent out.

I need **you** to communicate with me if you are being missed! You can respond to me directly at mark.d@email.sae.org (preferred) or leave a message on the registration number **(414) 465-6420**.

Regards,
Mark

Milwaukee Section 2003-2004 Governing Board

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Work: (414) 427-8080

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Alt SECTION DELEGATE:

Glenn Bower
UW-Madison
Work: (608) 263-7252

- Chairman's Note -

Hi everyone! Spring is a time for renewed activities, like getting outdoors and being around cars. That's some of what we enjoyed at MATC North Campus during our April meeting. MATC had a very impressive tour planned for our attendees, where we saw many of the state-of-the-art diagnostics available in the Ford, and DaimlerChrysler program labs. Included were active CAN systems to watch operational engine parameters, and a nice set of computerized tools using J1850 communication to investigate historic codes in OBDII (On-Board Diagnostics) automotive systems. Their shops were so clean... could make you wonder? (Ha!) Maybe a SAE Student Chapter is next for MATC?!?

It was also an honor to have eight young men and two counselors join us from The Rawhide Boys Ranch, in New London. We were impressive to hear about their successful programs for boys needing some better direction. They even have some competitive, legal, street-racing events in cooperation with the Sheriff's Dept. For more on Rawhide, or donating a vehicle, go to www.rawhide.org.

* It will be a treat to have this month's Family Meeting at Discovery World Museum. This is an opportunity to pass along some of your engineering interests to your kids, through "A World in Motion", at a very fun venue for them. If you have kids 4th grade through 10th grade, please share this event with their teachers.

* Thanks to our Vice-Chair (elect) Joe Sagat for attending SAE's Section Officers Leadership Seminar (SOLS), in Pittsburgh. We'll all gain from his experiences there.

* Congratulation to MSOE's Aero Student Project for another Championship, in the recent Competition. Lead by our Dr. John Lumkes, and Steven Bamicki, the students overcame the Florida elements, complete with duct-tape (not for alligators, but something...) and brought home another Gold.

Great article are available at:

<http://www.msoc.edu/pr/news/article.php?sumTitle=Aero%20design%20team%20recaptures%20its%20gold%20luster%20in%20Florida>

* June 3rd is coming quickly! With 136 teams coming our Mini-Baja is the largest in the world. It includes schools from Canada, Brazil, South Korea, Africa, and Iran. Contribute to the history of our Section by helping out. Many duties are available, and we encourage high-school kids to help, too. Contact Mike Freisleben at 262-513-4549, or <mailto:mikelf@husco.com>.

I'll close this Note, and this year, by thanking the many contributors that shared in this very successful season of events, initiatives, and growth (not just by the numbers, but professionally, and personally). Gratitude goes to the Board members, companies, or schools of

(continued)

Thank You Sponsors!

Badger Metal Tech

Burger Boat

Car Sports

DeltaHawk

Discovery World

Harley-Davidson

Johnson Controls

Modine Manufacturing

MATC

SamNow

And

Summit Group

- Chairman's Note -

(continued)

our Board members. Their families, too, who allowed for their dedication of time and effort:

Thank you, Bill Schultz, Bill Reibe, Don Bercham, Wayne Richter, Glenn Bower – U.W. Madison, Tim Fauser – Comtel, Mark DeBattista – Harley-Davidson, Dr. John Lumkes – MSOE, Dennis Webb – Badger Meter, Joe Sagat – Modine, Bernard Krauska – Borg Indak, and my wife Pat's Professional Engineering Placements, Inc.

See you at Discovery World,

Dale Wiza, Chair

S.A.E. ELECTIONS will be held at this meeting.

The SAE Milwaukee Section Governing Board consists of volunteer members who are willing to spend a few hours per month on section activities. The following is a slate of nominees for the 2004-2005 Milwaukee Section Governing Board's elected positions:

Chairman:	Dale Wiza
Vice-Chair:	Joe Sagat
Secretary:	Bernard Krauska
Treasurer:	Wayne Richter
Vice-Chair Membership:	Tim Fauser
Vice-Chair Student Activities:	John Lumkes
Vice-Chair Math & Science:	Dennis Webb
Delegate:	Glenn Bower
Alt. Delegate:	Dale Wiza

Five or more members in good standing of the Section who are entitled to vote may constitute themselves as a special nominating committee with the same power as the elected nominating committee. If a special nominating committee is formed, it should present its list of consenting candidates to Chairman Dale Wiza on or before April 30th, 2004. All section members, except student members, are eligible to vote on section matters, to hold section office, and serve on section committees. To be eligible to vote and/or hold a section office, a member's dues must be paid in full.

To assist in our new initiatives, our Board will also be forming sub-committees. We welcome your desire to help us serve. Please inform any Board member of your interest

MSOE Student Awards given out by Dr. John, who recognized the following Student Members:

Awardees: Mark Gales and Jon Haggerty

Mark, served as Treasurer over the past three years, while Jon was an officer in various capacities, including events coordinator, vice chair, and he currently is the Student Chair.

Dr. Lukes writes, "Mark and Jon have both been a tremendous asset to SAE at MSOE, and have been involved in nearly every activity that the SAE chapter participated in. They are currently key members of this year's Formula Car team, scheduled to compete this May in Pontiac, MI. Their leadership and energy will be missed upon their graduating this spring."

SAE has established an award program to recognize an outstanding student officer at SAE Collegiate Chapters. This award is given in March of each year to the student officer nominated by the Faculty Advisors for outstanding leadership or contribution to the success of their collegiate chapters.



Special Meeting Sponsorship

We wish to thank, once again, the following organizations for their support of the Milwaukee Section:



Harley-Davidson Motor Co [Milwaukee]



Modine Manufacturing Co [Racine]

For more information on becoming a sponsor, please contact any Section Board member.

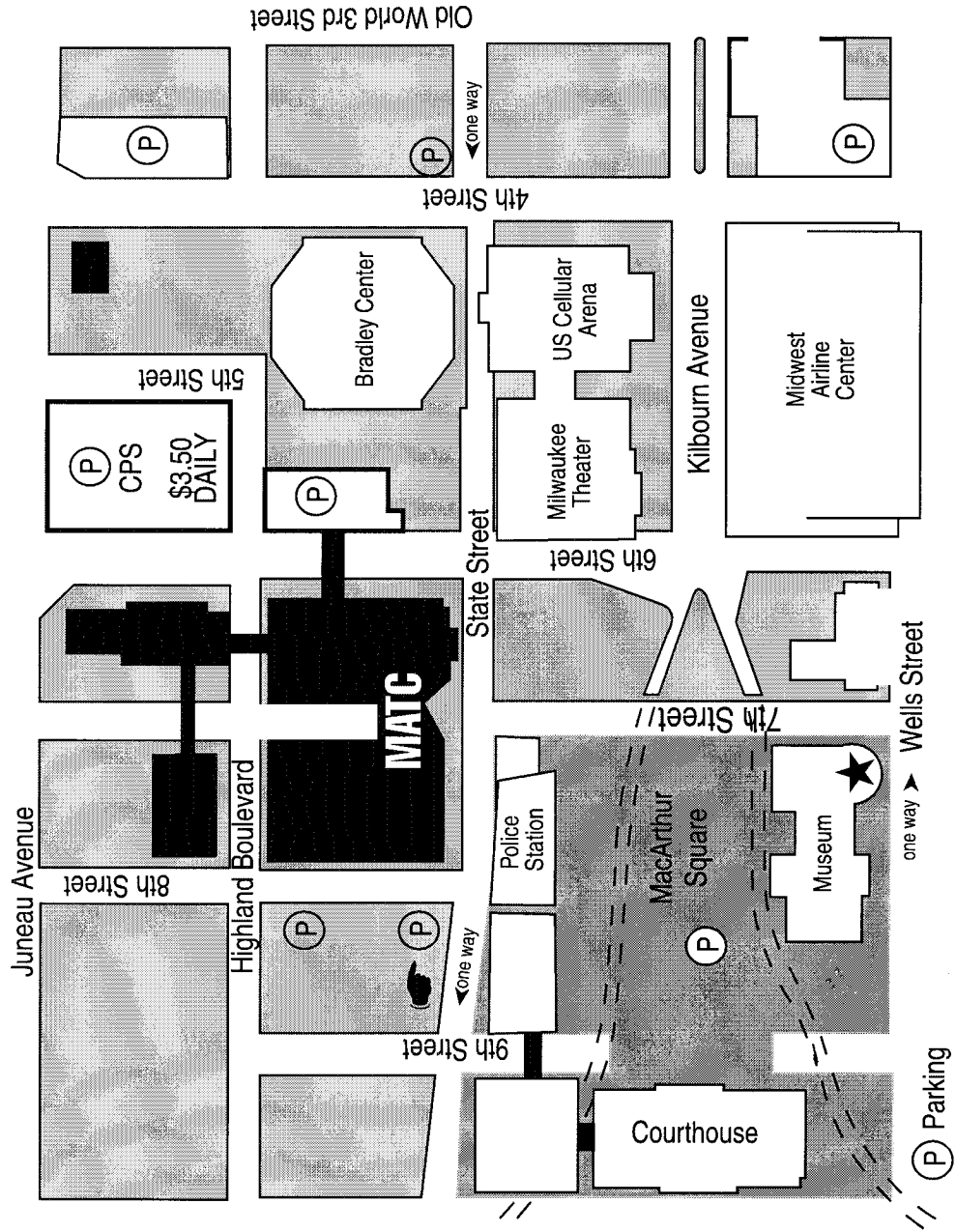
Keep current with us on these SAE web sites:

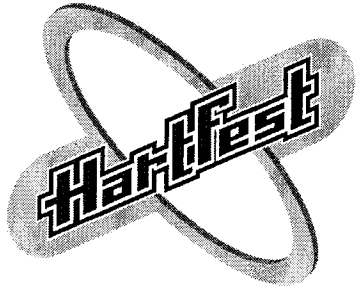
<http://milwaukee.sae.org> for the Milwaukee Section or
the national site at milw-sae@wi.rr.com

For more information on **A World In Motion** call: 724-772-8514, and ask for Darlene Geweth
email: awim@sae.org internet: www.sae.org/foundation/awim

Society of Automotive Engineers Meeting Discovery World Museum - May 20, 2004

- ★ Museum entrance
- 👤 Parking at 8th and State Ramp





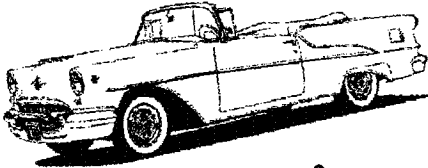
1st Annual HartFest Car & Motorcycle Show

Saturday, May 22nd, 2004

Hart Park, Wauwatosa, WI

(located at 72nd and state in historic downtown Wauwatosa)

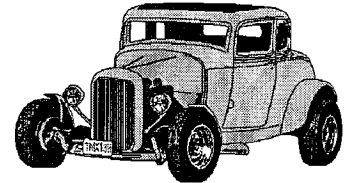
Open to all classes of automobiles & cycles



100 cars maximum
Sign up early!

Fee:
\$5 Advanced
\$6 Day of show

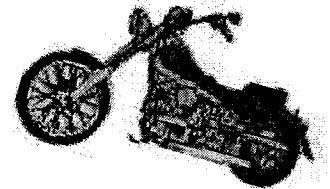
- Free spectator admission
- Paved parking
- Food by Wauwatosa area restaurants and bars



Music
Refreshments

- Participant judging for car:
- *Best Engine • Best Interior • Best Paint*

- Celebrity informal judging for:
- *Best Stock Car • Best Modified Car*
- *Best Cycle Paint • Best Cycle Overall*



1st and 2nd place trophies in each category

Dash plaques for all participants

Registration: 10 a.m. to Noon

Trophy awards: 3 p.m.

Show: Noon to 4 p.m.

Car & Cycle show is
sponsored by:



HartFest is
sponsored by:



Hartfest was started in 1998 with all proceeds going to charities such as Donor Network, Cystic Fibrosis and March of Dimes. For further information call Erin Schulz, 414-964-3484.

Entry Form - Please Print:



Name: _____ Address: _____

City: _____ State: _____ Zip Code: _____ Phone: _____

Make: _____ Model: _____ Year: _____

Please make checks payable to: Hart Fest
Mail to Erin Schulz, 4421 N. Oakland, Milwaukee, WI 53211-1601

In acceptance of this application for the Hart Fest Car & Cycle show, I release and discharge all companies, person and sponsors from any causes, whatsoever that may be suffered while attending this event. I understand each participant will be responsible for their own vehicle and personal property.

Signature of applicant: _____ Date: _____



2004 SAE MIDWEST MINI-BAJA®

Volunteer Form

This year, we're hosting the largest Mini-Baja in the world, with 136 teams from around the globe competing in these events! Please help us in being successful hosts, by assisting with some exciting and fun activities. Vehicle registration, safety inspection, static design judging and dynamic events (top speed, acceleration, braking, maneuverability, & hill climbs) will be held at Jefferson County Fairgrounds June 3rd -5th. Race events of: two 1 hour heats, followed by a 4 hour endurance race will be at Aztalan Raceway, on Sunday, June 6th.

Please provide the following information:

NAME _____

PHONE (Home) _____

PHONE (Work) _____

E-MAIL ADDRESS _____

Please check the areas you would be interested in.

- | | |
|---|---|
| <input type="checkbox"/> Static Judging | <input type="checkbox"/> Timing of Dynamic Events |
| <input type="checkbox"/> Corner Worker/ Flagging | <input type="checkbox"/> Registration/ Set-up/ Care |
| <input type="checkbox"/> Safety Inspections | <input type="checkbox"/> Scoring |
| <input type="checkbox"/> Any of the above or anything else that comes up..... | |

What day(s) could you help?

- | | |
|---|---|
| <input type="checkbox"/> Thursday, June 3 rd | <input type="checkbox"/> Saturday, June 5 th |
| <input type="checkbox"/> Friday, June 4 th | <input type="checkbox"/> Sunday, June 6 th |

Return this form to:

Mike Freisleben
E-mail: mikef@huscointl.com
Phone: (262) 513-4549
Fax: (262) 513-4222