



SOUTHWEST CHAPTER

Wisconsin Society of Professional Engineers

PRESIDENT'S MESSAGE

FEBRUARY 2007

We had a good turnout for our January meeting at Electronic Theatre Controls (ETC). We had a very nice lunch and presentation on what ETC does and their products.

This month's meeting is our Engineer's banquet to celebrate National Engineer's Week. Our meeting will be a joint meeting with ASCE at Fitzgerald's in Middleton. Professor Peter Bosscher, P.E., Ph.D., and his students will be giving the presentation. Please read the article on page 3.

MATHCOUNTS® was held on February 3 and went very well. I would like to thank all the volunteers. They all did a wonderful job. If it wasn't for our volunteers, MATHCOUNTS® would not be possible. We also will need volunteers for our State MATHCOUNTS® Competition on Saturday, March 3. Please contact Norm Arendt if you are interested.

I am looking forward to seeing you at our meetings.

David C. McDermid, P.E.

President of WSPE SW Chapter

<i>Chapter Officers</i>	
<i>President</i>	Dave McDermid, P.E. 608-242-7779 dmcdermid@msa-ps.com
<i>Past President</i>	Matt Richards, P.E. 608-251-4843 matt.richards@strand.com
<i>VP</i>	Brian Kehrli 608-356-2771 bkehrli@msa-ps.com
<i>VP</i>	Norm Arendt, Ph.D. 608-274-2020 narendt@sehinc.com
<i>VP</i>	Tom Pinion, P.E. 608-242-7779 tpinion@msa-ps.com
<i>Secretary</i>	Andy Graham, P.E. 608-826-0532 agra@vierbicher.com
<i>Treasurer</i>	Ron Voss, P.E. 608-356-2771 ronv@msa-ps.com

February Chapter Meeting

<i>Topic</i>	Special Guest Presenters: UW-Madison Chapter of Engineers Without Borders (see article on page 3).
<i>When</i>	February 22, 2007. Social hour at 5:30 PM, dinner at 6:30 PM, scholarship awards and presentation at 7:00 PM.
<i>Where</i>	Fitzgerald's of Middleton, 3112 Parmenter Street in Middleton (608) 831-7107.
<i>Menu</i>	Grilled chicken breast or prime rib slices, mashed potatoes and gravy, corn, dinner salad, fresh bread, and coffee, tea, milk, or soda.
<i>Price</i>	\$25 for members and guests (cocktails not included). \$12.50 for students.
<i>RSVP</i>	Please RSVP to Andy Graham at agra@vierbicher.com or 608-826-0532. RSVP by 4 PM, February 19. Please indicate choice of meal.

<i>State Officers</i>	
<i>President</i>	Robb Peebles, P.E. 608-275-1023x5276 rpeebles@prosoft-technology.com
<i>President Elect</i>	Erika Frable, P.E. 874-270-9531 efrable@baxterwoodman.com
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<i>Executive Director</i>	Nancy Short 414-908-4950x135 wspe@wspe.org

MATHCOUNTS

Another successful chapter competition has been completed. Thanks to all the volunteers and sponsors that made this possible. Velma Hamilton Middle School of Madison walked away with the championship, and two individuals advanced from the individual side of the competition. Thomas Jefferson Middle School was second in the team competition followed by Eagle School of Madison and Bellville Middle School. Joining the six from Hamilton are the team from Jefferson and a student from Spring Harbor advancing to the state competition on March 3 at the Lowell Center. Special thanks to Peter Rafferty of Traffic Engineering at the UW Engineering School for running the scoring room flawlessly. Volunteers are needed for the state competition. If interested, e-mail me ASAP so I can put you on the list.

Norm Arendt (narendt@sehinc.com)

EDITOR'S NOTE

As a Southwest Chapter member, this is your newsletter. If you have any information or articles of interest for the newsletter, please submit them to me. The deadline for all articles is one week after the monthly board meeting to go into the following month's newsletter.

Do you have a write-up on your company? If so, I can include it in our company profile column. Do you know of any special events or accomplishments of a member? Let me know.

I am always looking for input on the newsletter content. Hope to hear from you soon.

Andy Graham 608-826-0532

BOARD MEETING MINUTES-FEBRUARY 6, 2007

The monthly board meeting was held from 7-8 a.m. at Perkins Restaurant. Those present were: Dave McDermid, Andy Graham, Matt Richards, Ron Voss, and Norm Arendt.

Meeting minutes recorded by Andy Graham.

Scholarship Report: We will be presenting one scholarship for \$1,000.

Awards: Nominations and decisions for the awards were discussed at the meeting.

Program Report: Norm will contact EPIC for the March meeting arrangements.

Education Report: MATHCOUNTS® went very well. We had enough volunteers. Those interested in volunteering for the March 3 State competition should contact Norm.

2007 GOVERNOR'S NEW PRODUCT AWARD AND DISCOVERY CONFERENCE

The Wisconsin Society of Professional Engineers is proud to sponsor the 2007 Governor's New Product Awards (GNPA) competition at our upcoming Discovery Conference! Mark your calendars now for April 19, 2007. Both events will be held at the Sheraton Hotel in Brookfield, Wisconsin. Keep watching for additional information!

FEBRUARY 22 JOINT MEETING WITH ASCE

Professor Peter Bosscher, P.E., Ph.D. and special guest presenters from the UW-Madison Chapter of Engineers Without Borders will share their experiences with this important program.

Engineers Without Borders (EWB) USA partners with developing communities to help citizens and communities in developing corners of the world create sustainable public works improvements and improve the quality of life. While training young engineers for work by involving students in each step of the EWB process, the program maximizes their learning and awareness of the social, economic, ethical, environmental, and cultural impacts of engineering projects. Those projects typically focus on clean water systems, renewable energy sources, and improved sanitation systems.

The guest student speakers will present several of their active projects:

Rwanda-Over the past three years, EWB-UW has developed a strong connection within the village of Muramba, Rwanda. Since the initial site assessment in 2004, two implementation teams have traveled to Muramba in an effort to improve water and energy resources. Students have worked intimately with the community to develop appropriate solutions to help Muramba meet its most basic needs. EWB-UW students will be discussing their past, current, and future roles in the development of the Muramba community.

El Salvador-Stagnant pools of wastewater and improper sanitation practices present significant health risks to the community. Raw sewage flows over a playground at the local school. Children walk through the surface-discharged wastewater, and mosquitoes transmit serious diseases. In March 2006, four representatives from EWB-UW traveled to La Granja and Ferrocarril, El Salvador. On this trip, crucial relationships were established with the communities. In addition, the team performed extensive testing of the drinking water and wastewater. Students will be sharing the struggles of developing relationships within the community and the difficulties of designing a large water sanitation project.

Thailand-The Thailand project is set in beautiful northern Thailand in a rural village named Mae Yan Min. In May of 2006, a seven-person team went to the village and constructed a latrine and septic system and aided in the construction of a school for the surrounding villages. The team learned what stress and fast-paced working conditions were all about when one of the septic tanks floated from its position and mangled all of the previously glued piping. Students will be sharing their experiences of on-the-spot engineering and learning how to overcome unforeseen problems and emerge triumphant.

The students will also touch on ways that professionals in the community can get involved in these and other projects through mentoring, technical guidance, and financial assistance.

Chapter Comm. Chairs	
<i>Program</i>	Tom Pinion, P.E. 608-242-7779 tpinion@msa-ps.com
<i>Arrangements</i>	Volunteer Needed!
<i>Newsletter</i>	Andy Graham, P.E. 608-826-0532 agra@vierbicher.com
<i>Membership</i>	Brian Kehrli 608-356-2771 bkehrli@msa-ps.com
<i>Awards</i>	Matt Richards, P.E. 608-251-4843 matt.richards@strand.com
<i>Scholarship</i>	Norm Arendt, Ph.D. 608-274-2020 narendt@sehinc.com
<i>Education</i>	Norm Arendt, Ph.D. 608-274-2020 narendt@sehinc.com
<i>E-Week</i>	Volunteer Needed!
<i>Mathcounts</i>	Norm Arendt, Ph.D. 608-274-2020 narendt@sehinc.com
<i>State Director</i>	Matt Richards, P.E. 608-251-4843 matt.richards@strand.com
<i>Legislative</i>	Joe Dresser, P.E. 608-827-6170 jdpe@charter.net
<i>Platteville Liaison</i>	Lisa Riedle 608-342-1686
<i>Madison Liaison</i>	David Noyce, Ph.D. 608-265-1882 noyce@enr.wisc.edu
<i>Rock River Liaison</i>	Neil Lien, P.E. 608-882-5551 nlien@inwave1.com

*Please volunteer
for the March 3
MATHCOUNTS®
competition.*

*Contact
Norm Arendt to help.*

608-274-2020



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February 2007 Newsletter

SOUTHWEST CHAPTER- WISCONSIN SOCIETY OF PROFESSIONAL ENGINEERS

<i>Chapter Meeting Schedule</i>		<i>Board Meeting Schedule</i>
February 22, 2007	Engineer's Week, Joint with ASCE	April 3, 2007
March 15, 2007	Epic Systems Tour	May 1, 2007
April 2007	Topic and date to be determined	7 AM Tuesdays
May 17, 2007	Topic to be determined	
<i>All Meetings Thursday Unless Otherwise Noted</i>		
<i>Upcoming Events Schedule</i>		
March 3, 2007	MATHCOUNTS® State Competition - Lowell Center, Madison	
April 19, 2007	2007 Discovery Conference at the Sheraton Hotel in Brookfield	