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January 2008 Newsletter

Message from the Chair

December/January Meeting Recap

There was a great turnout for the annual Christmas play at Mahoney State Park as all tickets were sold. It was good to see the local ASME family enjoying a relaxing time together. The food and play were a nice way to enter the holiday season.

The January meeting involved a tour of the new MUD water plant in west Omaha. This resulted in what might have been the highest meeting attendance in history with 54 attendees including 3 students and one guest. All were excited to slosh through the 'mud' and snow to see a state-of-the-art water treatment facility. Thanks to Bob Bowman for organizing this highly successful tour!

February brings us E-week with the banquet on February 21st; see the attached flier for details. March 12th will offer the second PD course at Mahoney State Park with the topic being Fastening and Joining; see the attached flier for details. Our tentative schedule is published in this newsletter.

We always welcome ideas for a tour, professional development course, or activity; please feel free to let us know. Contact me at millerd7@asme.org.

Sincerely,

David K. Miller
ASME, Nebraska Section Chair.

2007 ASME Nebraska Section planned program is as follows:

September 16th - UNL Tractor Lab Tour (completed)
Sept 5th to Oct 17th - PE Refresher Course (completed)
October 23rd - Great Dane Tour (completed)
November 8th - PD Course - Compressors (completed)
December - Mahoney Christmas Play (completed)
January 9th - MUD Treatment Facility (completed)
February 21st - E-Week Banquet
March 12th - PD Course
April - Case New Holland Tour
May - speaker/social event
June - NSPE Golf Outing; OPPD Power Drive Competition

E-WEEK BANQUET
THURSDAY, FEBRUARY 21, 2008

Sponsored by the Engineer's Roundtable

<http://www.eroundtable.unomaha.edu>

0.1 Continuing Education Units (CEU) or

1.0 Professional Development Hours (PDH) available

"The Power of Using Sketchup and Google Earth"

Ken Patchett is responsible for the Operations Site Management of The Dalles, Oregon Googleplex, and is also assisting in the startup of the Council Bluffs, Iowa and Pryor, Oklahoma, data centers. Ken started his career in a Mechanical Engineering role for a pulp and paper manufacturing company before moving to an IT career with Compaq Computer Corporation. At Compaq, Ken ran the managed service delivery to the Microsoft Data Centers. He then moved to Microsoft as a Data Center manager and subsequently built the Global Network Operations team for MSN. He started with Google in December of 2006.

Banquet Location:

Cascio's Steak House
1620 South 10th Street
South of Downtown Omaha

Dinner Selections & Prices:

Entrée Choices:
Rib Eye Steak \$26.00
Boneless Chicken Breast \$24.00
Grilled Halibut \$28.00
(All dinner selections include a salad, baked potato, bread, vegetable coffee or tea, and choose from 2 cheesecake desserts)

Time:

6:00 PM – Social Hour (Cash Bar)
7:00 PM – Banquet & Speaker

The lead society for this year's national E-Week is The Chinese Institute Of Engineers-USA and the lead company is IBM.

*Please note the this event is a **Thursday evening**. In order to provide a total attendance count to Cascio's Steak House, only advanced reservations will be accepted. Advanced reservations, menu choices, attendee's name and payment must be received by **noon, Tuesday, February 19, 2008** (Monday the 18th is a mail Holiday). Checks should be made payable to the **"E-Week Roundtable."** Please clip the reservation form below (add an additional sheet if required), attach payment and send to the address shown.*

Send to: Elizabeth Hunter, Leo A. Daly Company
8600 Indian Hills Drive, Omaha, NE 68114, (Phone # 402-390-4473)

Attendee's Name(s)	Quantity	Menu Choice	Total Cost
_____	_____	Rib Eye Steak x \$26	_____
_____	_____	Boneless Chicken Breast x \$24	_____
_____	_____	Grilled Halibut x \$28	_____
		Total Cost	_____

Attendee's E-mail address or daytime phone number: _____

PROFESSIONAL DEVELOPMENT COURSE

Mechanical Joint Design

HOSTED BY ASME DISTRICT C - NEBRASKA SECTION

March 12, 2008

8:00 a.m. – 5:00 p.m.

**Mahoney State Park Lodge – Cedar Room
Ashland, NE**

Earn 8 Professional Development Hours

**Cost: \$145 (ASME Members)
 \$170 (Non-ASME Members)
 \$100 (Retirees and Students)**

The course will take a technical look at the subject of joining materials together for an effective trouble free connection that is pressure tight, leak free and resistant to the forces that want to separate the pieces from each other. Course Subjects will include; **Joint Design with traditional and alternative methods being presented**, Chemical Adhesives, Sealants, Gasketing, O-rings, **Fastener Design and Theory**, Fastener selection for type, material and finish, Bolts & Nuts, Screws, Rivets, Grips, Concrete Anchors and Threaded joints. Preventative Maintenance Solutions will be offered up for help in all your application needs. **Keep it together and join us!**

Presented by: Industrial experts in the field applications of Joint Design

George S Dail –Adhesives Technologies Account Manager Henkel-Loctite Corp.

Tim Shantz-Fastener,Gasket& Materials Supplier, Product Manager GT Midwest
(and other Technical Applications Specialists to cover specific topics)

Course fee includes course materials, PDH certificate, continental breakfast, lunch, refreshments, and state park entry permit.

Reservations are required and are due by March 3, 2008.

Contact William Redinger at (402) 636-2482 or wredinger@oppd.com . Make payment to ASME – Nebraska Section and send to William Redinger, Omaha Public Power District, 444 S. 16 St., Omaha, NE 68102.

News From the Government Relations Chair:

Professional Engineers Coalition PEC met January 29, 2008 and covered the following topics and Legislative Bills

- ACEC has dropped out of PEC due to what they feel is a conflict of interest in PEC's lobbyist.
- Signed contract for year 2008 to have Kissel E&S Associates to again act as our lobbyist and bring to our attention any engineering items before the legislation.
- 60 day shortened legislative session will have little chance to get anything done on minor issues as, only the HOT topics will get advanced!
- Old bills will just stay on the agenda and not get advanced.
- **LB 742 Change Licensure provisions relating to engineers educational requirements;** American Society of Civil Engineers ASCE is investing over \$ 40,000 of their national money (w/ lobbyists, etc.) to promote and pass this bill making Nebraska a model state that would then be promoted in other states. Their assumption was that our unicameral and small A&E board would be easy to get legislation passed. The main push is to increase the educational level required to get a Professional Engineers P E license to a Masters Degree in Engineering or Science and 3 years field experience or 30 credit hours of graduate classes and 4 years experience as the minimum requirement, with implementation by 2020 (was proposed for 2015 but could not make that happen). Questions that still exist are 1. How would you license by reciprocity people from other states to do business here if they had a lesser requirement? 2. Would they have to meet the same requirements and pass our exam? this would add costs to projects, limit the engineering companies wanting to do business in Nebraska and add to the costs. 3. Would an MBA be acceptable or and MBA in Engineering be made available? 4. What graduate courses would be acceptable? 5. Would this just drive up the price of engineering services to small municipalities and cities without getting a better value? 6. Would engineering students get any value from there 6 or 7 years of schooling or would it just be an added burden on their cost of education. If you invest 2 or 3 more years in education, you would expect a return similar to that of a doctor or lawyer right? or at least some return on the investment! 7. Since engineers are not in the publics eye as say a doctor or lawyer it might make a hard sell. National Council of Examining Engineers is also promoting this bill along with ASCE. All other state groups like ACEC , NSPE, PEC, UNL Engineering Collage etc. are staying neutral on the subject and waiting to see any outcome. Our lobbyist feels it has issues to resolve and will not advance this session and will require several years to gain momentum.

Hearing testimony is set for February 20 to 27, 2008

- **LB 748 Add Interior Designers to the state Licensure requirements:** PEC opposes this bill and will testify Friday against this bill.
- **LB 846 Change motor fuel taxes:** PEC supports this bill and will testify for it this session as it will give added cash for Hi-way construction work. Likely to pass this session.
- **LB 881 Impose an excise tax on production of ethanol:** Jump on the back of the cash cow and see if it has anything more to give!
- **LB 889 Provide construction alternatives for political subdivisions:** use of Design build arrangements, PEC supports this bill and will write a position statement in favor of it.

ASME – ASME Auxiliary *FIRST* Clark Scholarship



Are you a *FIRST* Robotics volunteer? Did you know that the ASME Foundation and the ASME Auxiliary sponsor a scholarship specifically for HS seniors who are on a *FIRST* Robotics team? If yes, this information is for you!

About the Award

The purpose of the *FIRST* Clark Scholarship is to recognize and reward students whose *FIRST* experience has inspired the pursuit of an engineering career. In 2008, The ASME Foundation and the ASME Auxiliary will award ten (10) \$5,000 scholarships to high school seniors active on *FIRST* teams, who are nominated by ASME members, ASME Auxiliary members, or student members who are also active with *FIRST*. These awards will be for the freshman year of study (non-renewable) in an accredited mechanical engineering or mechanical engineering technology program. The recipients will be announced at the *FIRST* National Championship.

Nomination and Student Eligibility

Members of ASME, including ASME Auxiliary members and student members, may nominate no more than one student each. Students must be:

- Graduating high school seniors active on *FIRST* teams
- Planning to enroll full-time in an ABET-accredited or substantially equivalent mechanical engineering or mechanical engineering technology program, no later than the fall after their senior year in high school.

APPLICATION DEADLINE: MARCH 15, 2008

For more information, on this or other ASME financial aid opportunities, visit our web site at: http://www.asme.org/Education/College/FinancialAid/Auxiliary_FIRST_Clarke.cfm

ASME's IShow Sets Stage for Future Innovators



Celebrating outstanding technological accomplishments and the entrepreneurial spirit, ASME's Center for Engineering Entrepreneurship & Innovation held the inaugural Innovation Showcase - IShow - on Nov. 9 in conjunction with IMECE in Seattle, Wash. Supported by IBM, Boeing, Westinghouse, and Schlumberger, the IShow featured collegiate student teams who presented their innovations to a judging panel of successful entrepreneurs, IP specialists, and industry experts. Teams from Rensselaer Polytechnic Institute and University of Texas at Austin were honored with seed funds and industry recognition for the creativity and commercial feasibility of their invention. For further details on the 2007 IShow and plans for the 2008 competition, contact Patti Jo Snyder, snyderp@asme.org

Deadline Fast Approaching: Act Now! **Old Guard Early Career Engineer Essay Competition**

How has ASME helped you in your transition to engineering practice and in your development as a engineer? Share your story with engineering students and other early career engineers.

Complete details can be found at www.asme.org/Communities/EarlyCareer/Old_Guard_Early_Career.cfm. Submit before the **Feb. 1, 2008 deadline**.

ASME ACCEPTING APPLICATIONS FOR 2008-09 FEDERAL GOVERNMENT FELLOWSHIPS

ASME is currently accepting applications for the following Federal Government Fellowship positions:

Congressional Fellowships

ASME is accepting applications from qualified candidates interested in serving as a 2008-09 Congressional Fellow. The Federal Fellows program enables selected ASME members to spend one year in Washington, D.C. working with the staff of a congressional committee, U.S. senator or U.S. Representative. Federal Government Fellowships provide a valuable public service to the nation while providing engineers with a unique opportunity to participate directly in the policy making process. Congressional Fellows may serve from September 2008 through August 2009 - or January 2009 through December 2009 - at their option. The deadline to submit an application for the Congressional Fellowship is April 1, 2008.

Department of Commerce Fellowship

ASME is also accepting applications from qualified candidates interested in serving a year at the U.S. Department of Commerce in the Manufacturing and Services (MAS) Office of Standards Liaison (OSL). The Fellow will work with U.S. stakeholders involved in the standardization process, including individual companies, industry associations, standards developing organizations, and the American National Standards Institute on trade-related standards issues affecting U.S. competitiveness, innovation and growth. OSL works on issues involving all sectors and in all overseas markets, although there is a greater focus on emerging and technology-related sectors and critical markets such as Europe and China. Applicants for this position must have strong technical, interpersonal, organizational, and oral and written communication skills, as well as substantive knowledge or experience in an industry sector and the standardization process. The start date for the DOC fellowship is flexible.

A stipend of \$55,000 will be awarded to each Fellow for the year. All Fellowship applicants must be a U.S. citizen and an ASME member at the time of application. The following credentials are encouraged: At least five years of professional experience, an advanced engineering degree, professional engineer registration, and some public policy experience. An online application is available at <https://secure.asme.org/fedgovfellows/appform.cfm>

Thinking about your career?

A new year has begun. Have you thinking about making some major career moves, like finding a new job, finding out what you are worth, raising your profile at work or networking with other engineers to expand your career opportunities? Let ASME help you energize your career this year with these member benefits.

- **Look for a job, build your resume or get advice at ASME's Online Career Center:** The only job board dedicated exclusively to Mechanical Engineers. www.asme.org/Jobs/
- **Find out what you're worth by taking the ASME Salary Survey:** Enter your information to get a basic level report on how your salary compares to others in your region, industry, field or experience level. Detailed reports available at special member pricing. https://asme.enetrix.com/pls/flexp/survey_frontend.homepage
- **Be a valued technical resource.** You can access the 75 volume ASME e-Library free 365 days a year 24/7. When a technical problem arises, the e-Library will be there for you. Sign up now at www.asme.org/Membership/Benefits/Professional/eLibrary.cfm