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May 2008 Newsletter

Message from the Chair

April Meeting Recap

First off, **THANKS** to the four section members who have accepted nomination to the Executive Council. It is through these outstanding volunteers that this organization ranks near the top in the nation for available activities and participation. Please show your support for the nominees by casting your on-line vote through the attached link included below.

The April 30th meeting involved a tour of RSI Materials Engineering in Omaha. The 27 attendees (14 students) found interest in learning about RSI's work in failure analysis, materials and components testing, data acquisition/analysis, and finite element modeling. RSI was kind enough to have some nice demonstrations for our group. Their work supports a variety of industries including railroad, power, agriculture, manufacturing, legal, automotive, and medical. Thanks to ASME Executive Council member Matt Dick for setting up this interesting tour.

The OPPD Power Drive Competition took place on May 3rd with North Platte winning the Standard Class and Endurance Rally while Bancroft Rosalie won the Advanced Class. Thanks to all the ASME volunteers for this event as it supports the public image and interest in engineering.

May 22nd brings us a tour of OPPD's Nebraska City Station Unit 2 under construction; see the attached flier for details. The annual joint NSPE golf outing is June 6th at Knolls Golf Course; see the attached flier for details. This will wrap up the activities for this session with planning for next year occurring in June.

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 (completed)
March 12th - PD Course - Mechanical Joints (completed)
April 30th - RSI Materials Engineering Tour (completed)
May 3rd - OPPD Power Drive Competition (completed)
May 22nd - OPPD Nebraska City Unit 2 Tour
June 6th - NSPE Golf Outing

Executive Committee Elections

The Nebraska section executive committee has four positions available and four candidates have graciously offered to serve our section.

Mike Carlson, PE
Hans Iwand, PE
Bill Madden, PE
Dave Stransky, PE

The attached ballot includes a biography for each of the volunteers. The deadline for voting is Sunday, June 1, 2008. Please vote via the on-line ballot through the following link:

<http://sections.asme.org/nebraska/ballot.html>

ASME May 2008 Meeting

“OPPD – Nebraska City 2”

May 22nd 2008 5:00PM

Nebraska City 2 is the 660-megawatt generating unit that OPPD is constructing adjacent to its Nebraska City Station unit 1. The unit will begin commercial production of electricity by May of 2009.

OPPD will use half of the output from Nebraska City 2 for its customer's needs while the remaining half will be used by seven other public power entities who are participating in the project. Those seven participants are Nebraska Public Power District, Nebraska City Utilities, Falls City Utilities, City of Grand Island Utilities Department, City of Independence (Missouri) Power & Light, Missouri Joint Electric Utility Commission, and Central Minnesota Municipal Power Agency.

DIRECTIONS:

[Click here for a Google Maps Link.](#)

At the intersection of HWY 2 and HWY 75 head south about 1 mile to "K" Road there's a sign on the east side of the road. Turn east on "K" Road. Follow it to the end of the road. It ends up at the OPPD main gate. Park in the first asphalt parking lot.

PPE requirements are hard hats, safety glasses, proper shoes (no tennis shoes or sandals), no cut off shirts and no shorts. Fall protection may be required so bring it if you have it.

Dinner- Will be at the Lied Lodge in Nebraska City following the tour. Dinner choices are rainbow trout, garden risotto, prime rib, or pork tenderloin, \$26. Students and retirees \$13.

Registration Information

RSVP for this tour by contacting David Miller @ 402-533-1410 or dave_miller@natureworkslc.com by **Monday, May 19th**. Please include the names of all coming, their employer or school and dinner choice.



2008
NSPE GOLF OUTING
The Knolls Golf Course
11630 Sahler Street



Location: The Knolls Golf Course is one of Omaha's finest 18-hole regulation golf courses. It is located at 11630 Sahler Street near 120th and West Maple Road.

Format: The format of play will be a 4-person Texas Scramble.

Date: Friday June 6, 2008.

Time: 12:00 Noon Shotgun Start. Arrival time is 11:30 for hole assignments and rules. Individual Mulligan's will also be on sale for \$5.00 (or 3/\$10.00). These will be available only until start time.

Registration: Send your registration and payment to NeSPE, c/o Lamp, Rynearson & Associates, 14710 West Dodge Road, Suite 100, Omaha, NE 68154. Please note any preference for team placement on your registration. Registration will be limited to the first 100 players, so get your money in as soon as possible.

For questions or information call Brett or Crystal @(496-2498).

Cost: \$55.00 per person (\$220.00 per team).

Name _____

Phone _____

Name _____

Phone _____

Name _____

Phone _____

Name _____

Phone _____

Team Captain Address _____

Fax # _____

Would you like to be a \$100.00 Hole Sponsor? _____ Yes _____ No

Amount Enclosed _____

ASME Related Nebraska Legislature Update:

Subject: Removing the requirement that the Director of Natural Resources be a Licensed Professional Engineer

Correspondence was received from Senator Tony Fulton alerting us that a memorandum was sent out by Senators Langemeier & Christensen formally advising that **they have decided NOT to pursue this proposal at this time**. They also advise that they will be researching this subject further during the coming interim and look forward to working with interested parties. Senator Fulton noted to Gordon that he wanted the engineers to know that we have bought some time on this and that the engineers will have a seat at the table when the Legislature reviews this matter during the interim.

North Platte Repeats as Power Drive Champions

North Platte High School (car # 17) won the standard class at the Power Drive Championships on Saturday, while Bancroft Rosalie (# 21) took top honors in the advanced class. In the exhibition class, North Platte (# 15) won the endurance rally, the only event slated for that class.



Bancroft-Rosalie junior Derek Muller uses some trusty duct tape to make some last-minute adjustments to the # 20 car, driven by Cody Irwin, also a junior.

- Standard Class**
- 1st: North Platte (# 17)
 - 2nd: Bancroft Rosalie (# 20)
 - 3rd: Cedar Rapids Kennedy (# 30)
 - 4th: Friend (# 13)
 - 5th: Litchfield (# 91)
- Advanced Class**
- 1st: Bancroft Rosalie (# 21)
 - 2nd: Beatrice (# 9)
 - 3rd: Elkhorn (# 5)
 - 4th: Raymond Central (# 57)
 - 5th: Elkhorn (# 51)
- Exhibition Class Endurance**
- 1st: North Platte (# 15)
 - 2nd: Elkhorn (# 1)
 - 3rd: Pomeroy Palmer (# 41)

The championships took place at the Mid-America Motorplex in Pacific Junction, Iowa. Power Drive coordinator Steve Anderson thanks all the volunteers for their efforts in staging this year's rallies and the championships.

“Our volunteers make this program run,” Steve said. “I get a lot of feedback from the students’ instructors and parents, expressing their appreciation for how much effort OPPD puts into Power Drive. The instructors, parents and I greatly appreciate all of the volunteers’ hard work.”

The overall results are shown inset for the top five finishers in the standard and advanced classes at the championships. These take into account the teams’ performance in the braking, maneuverability and endurance events, as well as design/construction and documentation. Also listed are the top three competitors in the exhibition class endurance rally.