

The Nebraska Civil

Engineer



Official Publication of the Nebraska Section of the American Society of Civil Engineers

Calendar of Events:

March:

- 17 - Environmental Group Meeting, Lincoln
- 23 - Steering Committee Meeting for The World Environmental and Water Resources Congress 2006, Contact Dale Jacobson at jacobson@jhcinc.com for more information.
- 30 - YMG & UNO Student Informal Discussion Panel, Peter Kiewit Institute, UNO, 12 PM to 1 PM

April:

- 15 - P.E. Exam
- 22 - Happy Hour & Networking, 5 PM, DJ's Dugout, Miracle Hills, Omaha
- 27 - Transportation Conference, Scott Conference Center, UNO, Omaha
- 28 - Transportation Group Meeting, Omaha

May:

- 19 - Annual Meeting, The Champions Club, Omaha

Become next year's Newsletter Editor

Contact Peggy Meyers at: editor@neasce.org to find out how.

Be a part of the 1st Annual
Transportation Conference.
Wednesday, April 27th.
See the attached flyer.

The Environmental Group Presents:

"Remediation of Lead-Impacted Soil at the Cornhusker Army Ammunition Plant Firing Range" Thursday, March 17th

The Cornhusker Army Ammunition Plant, CHAAP, located west of Grand Island Nebraska, produced munitions from 1942 until 1973. A small arms firing range was constructed on the Site for security guards and later other law enforcement agencies to practice their marksmanship.

The U. S. Army Corps of Engineers, COE, performed numerous environmental assessments at the CHAAP facility and established a remediation goal for total lead of 400 mg/kg in the soil. Under the direction of the Nebraska Department of Environmental Quality, NDEQ, U. S. Environmental Protection Agency, and the COE, Jacobson Helgoth Consultants performed extensive soil sampling and analysis to characterize lead impacts at the face of the berm and adjacent areas. The majority of the soil samples contained less than 400 mg/kg total lead and no remediation was required in those areas. Approximately 114 tons of soil did exceed 400 mg/kg total lead, but were below the hazardous waste classification threshold value of 5 mg/l of lead by the toxicity characteristic leaching procedure, TCLP. This soil was disposed of as special waste at the Grand Island landfill.

An additional 168 tons of soil contained lead levels exceeding both 400 mg/kg and 5 mg/l for lead by TCLP. This soil met criteria for classification as hazardous waste; however, this hazardous waste was recycled to a beneficial use as a commercial substitute for silica in a commercial lead-smelting operation.

After confirmation sampling indicated that soil greater than 400 mg/kg had been removed from the berm, the NDEQ issued a "No Further Action" letter for the Site. The COE then sold the land back to a local farmer for crop production. This is an example of a successful Brownfield's Project in a rural area. The project was completed within a reasonable budget and schedule while achieving cleanup goals.
-Steve Jorgensen, P.E.

Featuring: Steve Jorgensen, P.G., P.E.

Location: Misty's Steakhouse and Lounge
6235 Havelock Ave., Lincoln

Times:	Social Hour	6:00
	Dinner/Announcements	6:30
	Presentation	7:30

Menu: Misty's Prime Rib, Chicken of Chardonnay

Spouses and guests welcome
\$25 with a meal; \$10 without a meal.
RSVP by 11 AM Monday, March 14th
TO CRYSTAL 402.496.2498 OR
VP@NEASCE.ORG SUBJECT LINE: ASCE RSVP
Prices include tax and gratuity.

From the President

- Loras A Klostermann, P.E.



Loras Klostermann, P.E.
NE-ASCE President

Another E-Week has come and gone. Thanks to all the ASCE members that participated in this yearly event created to educate the public about our wonderful profession of engineering.

The Balsa Wood Tress Contest was held on February 26, 2005 at Westroads Mall in Omaha. **Bruce Harris** and his group did another fine job in setting this program up. First place was awarded to a team from Gross High School. Second and third places went to teams from Omaha North High School. Thanks to all of you that planned, assisted and attended to make this event a continued success.

The E-Week banquet was well attended. For those of you who have never attended this event, it is an excellent opportunity for young engineers to speak with members of the whole spectrum of engineering specialties available in this area. For older engineers, it is an opportunity to speak with engineers that you may have not worked with in a while and to catch up with friends. An informative presentation into the development and planning of Omaha's new Holland Performing Arts Center followed the meal. **Bruce Carpenter**, Senior Vice President of HDR Architecture, Inc. and **Susan Morris**, President of Heritage Services provided insights into project development and design. Apparently the design of this type of structure allows some very impressive activities, such as traveling overseas to have tours of existing performing arts facilities throughout the world. Thanks to the design team for providing such a state of the art building in the Omaha area.

The Nebraska Section is planning to have **Randy Perkinson**, District 16 Director, visit our section within the next two months. At this time, the April section meeting appears to be the most favorable time that will fit into his schedule. I will be updating the section next month concerning Randy's visit. I expect that he will wish to make a short presentation during the meeting before the scheduled monthly presentation. Please attend and get to know our national representatives.

Be sure to read the February ASCE News for articles on the five OCEA finalists and OPAL lifetime achievement recipients. I always enjoy reading the means and methods used by others and hope that I may use similar insightfulness on my own projects.

Have a safe and prosperous month.

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Younger Members at the Zone III Leadership Conference.

-Marie Maly, E.I.

On Friday, February 25, 2005, approximately 220 ASCE members descended upon St. Louis for the Zone III Leadership Conference. The annual conference includes the Workshop for Section & Branch Leaders, the Younger Member Council, and the Workshop for Student Chapter Leaders, and is also attended by ASCE staff and members of the Board.

Friday, the three groups met in a joint session to hear from ASCE President Bill Henry, meet each other, learn about ASCE, and discuss both infrastructure security concerns and the academic prerequisites for licensure and professional practice. A reception sponsored by the St. Louis Section followed. Saturday, the majority of the sessions were held independently by each group. Section & Branch Leaders attended breakout sessions on a variety of topics.

Younger Members shared ideas, learned about dealing with difficult people, and mentoring from excellent speakers. They also had roundtable discussions on membership retention, outreach, and starting your own business. A joint lunch included the awards presentation where the NE Section received the Outstanding Section/Branch Website Award (in the Small Section category).

The Younger Members held their business meeting in the afternoon. Two resolutions were passed by the Younger Member Council; one regarding the location of the 2007 Zone III Leadership Conference, the other requesting additional time for Younger Member & Student joint sessions next year in Houston.

The day's activities concluded with interaction between each delegate and their respective district (NE is District 16). The St. Louis Section Younger Member Group found sponsors to subsidize shuttle service from the hotel to downtown St. Louis on Saturday night for any of the conference attendees. Options included the St. Louis City Museum and Laclede's Landing.

Sunday morning began bright and early with an Order of the Engineer ceremony. After a presentation on the regional implementation of the new governance structure (adopted by the membership last summer), President Henry, President-Elect Dennis Martenson, and Executive Director Pat Natale wrapped up the weekend by hosting a Q&A session.

If you have any questions about the Younger Member activities, or would like to get involved, contact **Marie Maly** at webmaster@neasce.org.

House Members Object to Blending Proposal

A bipartisan group of members of the House of Representatives wrote to the EPA last week urging the agency to end consideration of a controversial policy to expand the use of "blending", where partially untreated sewage is diluted with fully treated sewage during unusually wet periods to lower the concentration of bacteria before being discharged.

The 135 Representatives, including 25 Republicans, argued that this practice would result in more pollution making its way into U.S. surface waters. Instead, the letter states that EPA should enforce current regulations under the Clean Water Act and seek more funding for the Clean Water State Revolving Loan Fund, which provides loans and grants to states to finance wastewater treatment facility construction and upgrades.

A similar letter was sent to the EPA last December by a group of Senate Democrats.

Copies of the letters will be available shortly on the ASCE website at <http://www.asce.org/govrel>.

-Article taken from www.asce.org

Discussion Panel with UNO Students

-Marie Maly, E.I.

The Younger Members are hosting an informal panel discussion / Q&A with the UNO Student Chapter, Wednesday, March 30, from 12 to 1 PM.

We, the Younger Member Group, will need three to six volunteers willing to share a little bit about their experiences and answer some questions from the students. Lunch will be provided by the YMG. If you would like to help email Marie at ygm@neasce.org.



February Meeting Hosted by the Geotechnical Group

-Loras Klostermann, P.E., Ed Prost, P.E.

Thanks to **Ed Prost** and **Joe Waxse** for hosting a great meeting.

James Mitchell gave a very interesting presentation on his and the geotechnical community's involvement in the Apollo Space program. The slide presentation provided an informative glance at work he was involved with during the NASA Apollo moon landing and exploration missions, including rudimentary determination of soil properties based on behavior from video and photos as well as experiments developed for later missions that actually provided in-situ testing of the engineering properties of the lunar soil.



Chuck Dowding of Northwestern University offered an optional presentation on the complex blasting and reinforcement required for the work done thus far on the monument and described the many future challenges ahead that may require altering the final shape of the monument.



Dennis Martenson, ASCE President-Elect

During the monthly meeting on February 17, **Dennis Martenson, President-Elect of National ASCE** addressed Nebraska Section members. Dennis shared with us his vision for the future on ASCE and his agenda for the next year. For the most part, Dennis will focus on continuing the several initiatives stated by his predecessors. The change in the ASCE governance and the evolution of Policy Statement 465 (Academic Prerequisites for Licensure and Professional Practice) were among the several topics he presented on this year's ASCE National agenda.

National President-Elect Tours Omaha

-Loras Klostermann, P.E., Section President

ASCE offers numerous continuing education and informational conferences each year. Unfortunately, these conferences are usually held in large coastal cities or one of the few large metropolitan cities within the central United States. Omaha has previously not been considered. On February



From left to right: Loras Klostermann, Joe Waxse, Mayor Mike Fahey, Stephen Wright, and Dennis Martenson

17, 2005, **Dennis Martenson, President-Elect**, and **Stephen Wright**, representing ASCE National, toured the City of Omaha for purposes of reviewing the potential of having Omaha host national ASCE conferences. **Joe Waxse** of the Nebraska Section was our tour host, showing these gentlemen the sites of Omaha and specifically the amenities that Omaha can offer for regional ASCE conferences. Together with Nebraska Section President, **Loras Klostermann**, these gentlemen toured the Qwest Center and met with Omaha **Mayor Mike Fahey**. **Kathy Schultheiss**, Vice President for Convention Center Sales and Marketing, conducted our tour of the Qwest Center. Although the process of selecting venues for hosting new conferences takes from three to five years, this tour is a start in making our elected ASCE National officials aware of the excellent conference center Omaha has to offer.

The names listed below can be considered official documentation of attendance at the February meeting worth 1 PDH credit.

Maria Ambert	Jim Byrnes	Fred Hooper	James Landrum	Jim Musilek	Lok Sharma
Dave Anderson	Brad Chambers	Susan Jorgenson	Steve Levorson	Joe Oetken	Lyle Simonton
Scott Anderson	John Christian	Steve Jorgenson	Marie Malyh	Andrew Phillips	Tom Strauss
William Arneson	Chuck Dowding	Ed Keating	Tom Marnik	Shoshindra Pradhan	Ed Thiele
Dan Barnett	Todd Duyer	Sandi Keehn	Dennis Martenson	Ed Prost	Amelia Toellner
Kole Berg	Scott Gilliland	Loras Klostermann	Dave McIvor	Lance Roberts	Larry Trouman
Corey Bergman	Bill Gonzalez	Jeff Kortan	Jim Mitchell	Troy Rohret	Joe Waxse
Steve Bottum	John Hill	Matt Kralik	Ray Moore	Binod Sapkota	Steve Wright
Helen Bottum	Pat Hillyer	Heidi Kramer	Randy Mosey	Steven Says	John Zey

Help ASCE and Your Colleagues: 2005 "Member-Get-A-Member Drive"

ASCE counts on our members to help us grow every year by actively participating in the Member-Get-A-Member Drive. The Drive is vital to ASCE...in fact it's one of the most effective ways to bring in new members for ASCE. But it does more than just help ASCE. Our members tell us that they enjoy helping their colleagues discover the professional benefits of ASCE membership. It gives members the opportunity to get involved with ASCE and contribute to their colleague's success.

This year, the Member-Get-A-Member Drive offers participants more opportunities than ever to win prizes. Drawings will be held at the end of every quarter to award prizes to members who have sponsored colleagues during that quarter. With prizes changing quarterly, and ranging from cash awards to gift cards, there will be something to please everyone throughout the year.

For more information about the Member-Get-A-Member Drive and rewards, visit the special Web site at www.ascedrive.org.

PE Exam Help

Both P.E.'s and F.E.'s are encouraged to participate

The Younger Members are compiling a list of future test-takers and "experts" (licensed engineers) to be used as a help reference. A study group may also be set up, depending on interest.

If you would like help, or are willing to occasionally answer questions, please e-mail your name, phone number, e-mail address, license status, and area of experience to **Marie Maly** at yimg@neasce.org. The list will be compiled and provided to those participating.



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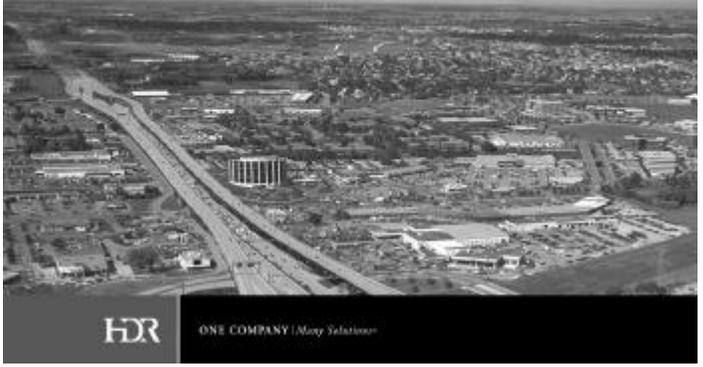
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