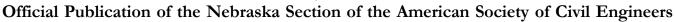
The Nebraska

Civil

Engineer



Calendar of Events:

February:

- 4 Happy Hour at the Upstream, West Omaha
- 17 Geotechnical Group Meeting, 5:30 P.M., Angie's Restaurant, Omaha
- 18 22nd Annual Geotechnical Seminar, Peter Kiewit Conference Center, Omaha
- 23 E-Week Banquet, 6:00 P.M., Georgetowne Club, Omaha
- 25-27 Zone III Leadership Conference, St. Louis
- 26 Truss Bustin' Competition, 1:00 P.M., Westroads Mall, Omaha

March:

24 - Environmental Group Meeting, Lincoln

April:

- 15 P.E. Exam
- 27 Transportation Conference, Scott Conference Center, UNO, Omaha (See Page 3)
- 28 Transportation Group Meeting, Omaha

May:

20 - Annual Meeting, Omaha (Tentative)

Visit www.neasce.org for an update on bills the PEC is reviewing.

The Geotechnical Group Presents:

"Soil on the Moon What is it and how did we learn it?" Thursday, February 17th

"An illustrated look back at what geotechs did 35 years ago during NASA's Apollo manned lunar landing program."

Featuring: Dr. James K. Mitchell

Dr. Mitchell's research activities focused on experimental and analytical studies of soil properties and behavior, admixture stabilization of soils, soil improvement and ground reinforcement, in-situ measurement of soil properties, and mitigation of ground failure risk during earthquakes. He supervised the Ph.D. dissertation research of 72 students, and has authored more than 350 publications, including the book, "Fundamentals of Soil Behavior." During the 1960's and early 1970's he served as the Principal Investigator for the Soil Mechanics Experiment that was a part of the U.S. Apollo Moon landing and exploration program.

Dr. Mitchell is a consultant on geotechnical problems and earthwork projects of many types. Recently these have included the design of liquefaction mitigation options for several existing dams, ground improvement for a major bridge replacement project, a stability review board for large mine waste rockpiles, a seismic safety peer review panel for an urban rapid transit system, and special studies for remediaton of a badly contaminated site.

Location: Angie's Restaurant 1001 Pacific St, Omaha

Times:

Social Hour	5:30
Dinner/Announcements	6:30
Presentation	7:30

Menu: Chicken Parmigian, Club Steak,

or Orange Roughy

Spouses and guests welcome \$24 with a meal; \$10 without a meal. RSVP by 11 AM Monday, February 14th TO CRYSTAL 402.496.2498 OR

VP@NEASCE.ORG SUBJECT LINE: ASCE RSVP

Prices include tax and gratuity. Portions of the meeting costs will go towards hosting our speaker.

The Nebraska
February —

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From the President

- Loras A Klostermann, P.E.

National Engineers Week is a celebration of all engineering disciplines in the United States. This year E-Week is February 20 through 26. A total of 16 local engineering societies and organizations, including ASCE, have come together to form the Engineer's Roundtable in an effort to promote E-Week. The goal of Engineer's Roundtable is to generate interest in engineering by educating the largest possible audience regard-



Loras Klostermann, P.E. NE-ASCE President

ing the function and roles that engineers play in society. Each year, Engineer's Roundtable is involved with educational events at local high schools and grade schools. All engineers, and especially Civil Engineers, are encouraged to assist in E-Week activities.

This year the E-Week Banquet will be held on Wednesday, February 23, 2005 at the Georgetown Club, 2440 South 141st Circle, Omaha, Nebraska. Guest speakers **Bruce Carpenter** from HDR Inc. and **Susan Morris** from Heritage Services will jointly provide a presentation about the development, design, and construction of Omaha's new Holland Performing Arts Center. Only advanced reservations will be accepted to the banquet and must be received by Friday, February 18. Call **Elizabeth Hunter** at 402.390.4473 for details.

Metro area high school student teams have been working on their truss designs for the upcoming Balsa Wood Tress Contest to be held on February 26, 2005 at Westroads Mall, within the area leading to Von Maur. Please attend and see the innovative designs. Your attention will provide encouragement to these future engineers.

The U.S. Department of Homeland Security (DHS) has announced program guidelines for the 2005 competition cycle of DHS Scholarship and Fellowship Program. Complete information is available on-line at http://www.orau.gov/dhsed/. The 2005 competition cycle will provide financial support beginning in fall 2005 for selected Scholars and Fellows. All applicants are expected to apply using the online application. The deadline for submitting an application is February 23, 2005, 11:59 p.m. Eastern Standard Time. Questions regarding the DHS Scholarship and Fellowship Program can be sent via e-mail to dhsed@orau.gov.

The Geotechnical Committee has selected "Soil of the Moon – What is It and How Did We Learn It" as the topic of this month's presentation. **Dr. James Mitchell** will provide a very interesting and illustrated look back at what geotechnical engineers did during NASA's manned lunar landing program. Come and enjoy and don't forget the geotech conference on February 18.

Have a safe and prosperous month.

Loras A. Klostermann, P.E. ASCE Nebraska Section President

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Nebraska Civil

Annual Truss Bustin' Competition Saturday, February 26th

Plan on attending the Balsa Wood truss contest during Engineers Week, at the Westroads Mall area leading to Von Maur, on Saturday February 26, 2005, starting at 1:00 PM. The contest is for metro area high school students. The students build a truss out of ¼-inch balsa wood that will be loaded to failure. The trusses will be judged on practicality and its load to weight ratio. Monetary gifts and framed certificates will be given to the top three finishers in the contest. Come out and support the students, and their schools, and enjoy the creative designs developed by the high school students. For any questions, contact *Bruce Harris* W: (221-4440) H: (498-0296)

Bruce Harris looking to pass the torch . . .

NE-ASCE would like to give a big thanks to Bruce Harris for his years of dedication to the Annual Truss Bustin' Competition. However, Bruce is passing on the torch; NE-ASCE is looking for a successor to Bruce who enjoys inspiring local students with Civil Engineering. A description of Bruce's duties as the main coordinator can be found at www.neasce.org.

Future City Competition

Thank You to all of our members who volunteered their time to mentor the competitors and to all those who judged the competition.

Mission Middle School came in third place overall, with their city, "Alrisha." Morton Middle School came in second with "Aquaville". Winning the competition this year and heading off to Washington D.C. for the national competition is Papillion Jr. High School and their future city "Phoenicis".

Team Members, Erik Hagerup, Rebecca Trelford-Thompson, and Tommy Stuart, with the help of their mentor, David Klostermeyer, P.E. and their teacher, Peg **Alexander**, created Phoenicis on a brown site polluted by cyanic acid and used "microbes" to clean up the area. The city features a "Maglev Train" propelled by electromagnets and clean energy sources including wind, hydroelectric, solar, and fusion. Phoenicis also boasts a LEED certification level of Platinum.

Congratulations to all of our participants this year; and good luck to Papillion Jr. High in Washington D.C.!

E-ASCE News

Transportation Engineering

1st Annual ASCE Transportation Conference Wednesday, April 27th, 2005 Scott Conference Center Omaha, Nebraska

> *In Collaboration with:* University of Nebraska Nebraska Department of Roads *MAPA* City of Lincoln City of Omaha

Conference Topics Include:

- Impact Fee Implementation
- ITS Implementation
- New Guardrail System
- **Utility Coordination**
- West Dodge Road Elevated Expressway Construction
- Traffic Calming
- Traffic Management on Husker Game Days
- Future Planning of I-80
- Property Relocation & Acquisition for Roadway Projects.

Earn 7 PDH for Continuing Education \$95 ASCE Members \$125 Non-ASCE Members

More information and registration forms can be found at www.neasce.org as they become available.

Contact **Dave Ayala** at *dayala@hws.com* or 402-333-5792 for more information.

Become a Mentor

Girls and Boys Town is offering the rewarding opportunity of being a mentor. Many students need one-on-one help with math, ranging from basic math through algebra.

Most mentors at Girls and Boys Town mentor 1 hour a week during school hours.

For more information, contact Chris Hyvonen at 402.498.3041.

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The Nebrask

E-WEEK BANQUET WEDNESDAY, FEBRUARY 23, 2005

Sponsored by the Engineer's Roundtable

"Omaha's Holland Performing Arts Center"

In anticipation of the October, 2005 opening of Omaha's new Holland Performing Arts Center, our program will provide both the designer's and the owner's perspective of the planning, design and construction stages of this unique state-of-the art facility. Mr. Bruce Carpenter, Senior Vice President of HDR Architecture Inc., has extensive architecture experience in the planning and design of numerous architectural projects of varying scope and size, including various performing arts facilities. His project roles have included programming, master planning and design of the Performing Arts Facility.

Ms. Susan Morris, President of Heritage Services, has been involved with numerous capital campaigns, totaling nearly \$300 million, including the \$75 million capital and endowment campaign supporting Joslyn Art Museum and the Durham Western Heritage Museum. In addition, Susan served as Executive Director of the \$29.5 million Strategic Air Command Museum Campaign. Currently, Ms. Morris is directing the \$100 million initiative to provide funds to renovate the Orpheum Theatre and build the new Performing Arts Center. She has also implemented new programs, unique to the fund-raising community, offering consulting services and educational seminars to other non-profit organizations.

Banquet Location:

Georgetowne Club 2440 South 141st Circle (2 blocks north of West Center Road on 141st Street)

Time:

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

Dinner Selections & Prices:

Prime Rib of Beef \$33.00 Chicken Wellington \$31.00 Grilled Salmon \$35.00

(All dinner selections include a mixed garden greens salad, herb roasted new potatoes, seasonal vegetables, dinner roll & butter, coffee or tea, and choice of mini cheesecake dessert.)

Lead Society & Master of Ceremonies:

The lead society for this year's national E-Week is the American Society of Mechanical Engineers. Bruce Stanley, the chairman of the ASCE Nebraska Section, will be our Master of Ceremonies.

Please note the change of this event to a **Wednesday evening**. In order to provide a total attendance count to the Georgetowne Club, only advanced reservations will be accepted. Advanced reservations, menu choices, attendee's name and payment must be received by **5:00 PM**, **Friday**, **February 18**, **2005**. 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 # 390-4473)

Attendee's Name(s)	Quantity	Menu Choice			Total Cost
		Prime Rib	X	\$33	
,		Chicken Wellington	X	\$31	
		Grilled Salmon	X	\$35	
		Total Cos	t		
Attendee's E-mail address or daytime p	hone number:				

Thanks to *Ben Higgins*, *Carter Hubbard*, and the UNL student chapter for hosting a great meeting.

Ben Higgions spoke about flood plain remapping and regulations affecting watersheds in Lincoln. Awards were also presented to *Lamp, Rynearson, and Associates, Inc.* for "Superior Employer Recognition Award," and to Marie Maly, for an outstanding website.



Left: Ben Higgins, Speaker; and **Carter Hubbard**, Water Resources Chair



Right: Tom Marnik, Lamp Rynearson & Associates, Inc.; and Loras Klostermann, NE-ASCE President

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

Dave Admiraal Aaron Buettner John Cambridge Charles Denbarry Paul Dierking Paul Gonzales John Hill Doug Holle Carter Hubbard Dave Johnson Gny Lindeman Loras Klostermann Daren Konda Marie Maly Tom Marnik Peggy Meyers George Pinkerten Daryoush Razavian Phil Rossbach Mike Sklenar Mark Stark Tom Strauss Ed Thiele Laurie Zodc

NE-ASCE News



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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, license status, and area of experience to **Marie Maly** at **ymg@neasce.org**. The list will be complied and provided to those participating.

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