

THE NEBRASKA CIVIL ENGINEER



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Number 5

2000-2001 Nebraska Section Officers

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18TH ANNUAL GEOTECHNICAL SEMINAR GEO-Omaha 2001

February 9, 2001
Kiewit Conference Center
Omaha, Nebraska
(See Insert)

This year's program provides design, construction, and testing insight into deep foundation and earth improvement methods. Case studies are also presented. This year we are honored to have as presenters Dr. Jorj Osterberg, Dr. Micheal O'Neill, Dr. John Schmetmann, Dr. M.T. Davission, and Bubba Knight. Also providing insight into their ground improvement procedures are James Wheeler and Dr. Kord Wissman.

February Meeting Information

DATE:
Thursday, February 8, 2001

HOSTS:
ASCE Nebraska Section
Geotechnical Group

SPEAKER:
Dr. Jorj Osterberg, P.E., Ph.D.
Professor Emeritus of Civil Engineering,
Northwestern University;
Adjunct Professor, University of
Colorado

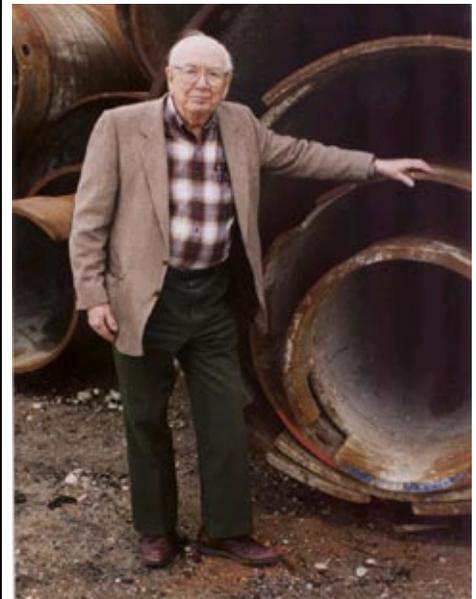
TOPIC:
"City-County Building Shoring
Failure, Omaha"

TIMES:
5:30-6:30.....Social Hour
6:30-7:30.....Dinner
7:30-9:00.....Meeting & Program

LOCATION:
Anthony's Restaurant
7220 F Street - Omaha, NE
(Just South of I-80 at 72nd Street)

MENU:
Club Steak.....\$22
Chicken Breast.....\$19
Orange Roughy.....\$20

DINNER RESERVATIONS
See Page 3



Dr. Jorj Osterberg

Dr. Jorj O. Osterberg is one of the true pioneers of geotechnical engineering. He has long been recognized for his innovations in soil sampling and testing (including his invention of the Osterberg Sampler). Following a long and distinguished career as a teacher and consultant, Dr. Osterberg is professor Emeritus of Civil Engineering, Northwestern University. Other honors and associations include: Honorary Member - American Society of Civil Engineers, Member - National Academy of Engineering, 1985 Terzaghi Lecturer (ASCE), 1988 Distinguished Service Award - Deep Foundations Institute continued...Page 5



President's Comments

Civil Engineers Must Broaden Skills



Daryoush Razavian, President
Nebraska Section, ASCE

Cheers fellow ASCE members! January's meeting was co-sponsored by the UNL Student Chapter and the Water Resources Group. The meeting, which was well attended by both the practicing engineers and civil engineering students, took on an alternate format when the featured speaker was forced to cancel his presentation because of late arrival from an out-of-town trip. Given the circumstances, and based off of feedback

from several attendants, the meeting was a huge success. It proved to be an excellent opportunity for an open-forum discussion of important issues facing the students and the profession (the alternate was to watch a PBS documentary about water!). The topics of discussion included job opportunities for students, skills required for today's engineering practice, merits of graduate degree, the regulatory environment in the new administration, etc. Practicing engineers provided their perspectives on issues and shared their personal experiences. The advise was well received by the students, and sparked overwhelming sentiment to make this forum an annual event. A similar meeting will be planned for the UNO Student Chapter.

It was great to hear from the UNL Student Chapter's leaders on their group activities. They have been successful in accomplishing their major objectives. My thanks to Doug Maaske, UNL Student Chapter president, for co-hosting the meeting and providing the pizza treat, and to Mark Wagner, Water Resources Group's chairperson, for co-hosting and moderating the discussion.

Mark your calendar for National Engineers Week, February 18-24. This year signifies the 50th anniversary of the event, which celebrates the achievements of engineers in our society. This is another great opportunity for everyone to get involved and make an impression on prospective engineers. Please consider talking to high school students in your community about the roles and achievements of civil engineers in our society. Needless to say, both the UNL and UNO campuses hold special events (look for more information on this issue). The February meeting, sponsored by the

Geotechnical Group, promises to be yet another outstanding meeting. Don't miss it!

Reflecting on the dialogue between the students and practitioners at the January meeting, I was reminded of the various roles of civil engineers on public and private projects. The roles are ever-expanding and go beyond the technical issues. Among other things, today's civil engineers must be consensus builders, effective communicators, public relations agents, economists, regulatory experts, and political/public policy aficionados (and often times jugglers!). We need to incorporate these skills with our technical knowledge to fulfill the demands of today's projects, which are typically complex, multi-disciplinary and multi-objective, involve a myriad of regulatory issues and multiple stakeholders, require creative and varied financing means, and are very much scrutinized by the public. Our access to and knowledge of information critical for decision making purposes or identifying common grounds, allow us to be at the forefront of the consensus building and public input process. We must be present at the decision-making processes to evaluate technical, economic, environmental, and social ramifications of particular decisions, and we can not leave the scene of the public policy arena. Otherwise, policies and regulations will be drafted without technical considerations.

I see significant opportunities for civil engineers to improve their image and standing in our society. However, achievement of this lofty stature requires conscious efforts by our educators, students, and practitioners in developing curriculum and training programs. It also involves the acquisition of the necessary skills through any available means. For its part, ASCE has a number of programs and opportunities for those who are interested in broadening their skills. Visit ASCE's site on the World Wide Web (<http://www.asce.org>) to locate available services and programs. There are multiple opportunities for the interested individuals within the Nebraska Section as well. Please contact me at drazavian@oaconsulting.com with your comments or inquiries.

Yours truly,

Daryoush



Balsa Wood Truss Competition

Mark your calendar for Engineers Week, February 18-24, 2001. One of the activities sponsored by ASCE during Engineers Week is the metro area High School Balsa Wood Truss competition. The competition will be held at the Westroads Shopping Center, 102nd and West Dodge Road. The testing machine that will load the trusses to failure will be set up in the mall leading to Von Maur. The testing will start at 1:00 P.M. and run most of the afternoon. So, if you like to see the creativity of High School students, hear and see things get broken, join us at the Mall on Saturday, February 24, 2001. For any questions or further details, please call Bruce Harris at 221-4440 (W) or 498-0296 (H).



Above: Rich Kotan with OPPD testing a truss from North High during last year's competition.

Last Month's Meeting



Above, seasoned engineers share their wealth of knowledge (translated: goof off) with future engineers at the January meeting. L to R, Director/Management Technical Chair Mark Stark, President-Elect Bob Kalinski, UNL Student Chapter President Doug Maaske, Reed Schwartzkopf, and UNL Student Chapter Secretary Jeremy Befort.

The attendees of the January meeting at the University of Nebraska - Lincoln were:

Ed Prost	Ryan Paradis
Brad Levich	Mark Stark
Jeff Thompson	Scott Gilliland
Steve Kathol	Deb Ohlinger
Loras Klostermann	Dave Anderson
Daren Konda	Matt Lindburg (guest)
Mark Wagner	Keith Potts (guest)
Reed Schwartzkopf	Brian Havens
Joe Sherrard	Stacy Heasel (guest)
Bob Kalinski	Tom Strauss
Brad Chambers	Daryoush Razavian
Tom Franti	Mohamed Dahab

In addition, approximately 30 students were in attendance.

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Remember to check the "Section Dues" box on your renewal application. This confirms your status as a subscribing member of the Nebraska Section and entitles you to receive the Nebraska Civil Engineer.

DINNER RESERVATIONS FOR FEBRUARY MEETING

RSVP by Noon, Monday, February 5

In Omaha and Eastern Nebraska:
contact Bob Kalinski at (402) 894-2678 or
rkalinski@rdgge.com

In Lincoln and Central/Western Nebraska:
contact Brad Levich at (402) 466-3911
or balevich@terracon.com

E-WEEK BANQUET
FRIDAY, FEBRUARY 23, 2001
 Sponsored by the Engineer's Roundtable

"Growth and Challenges of the Metroplex"

Omaha Mayor Hal Daub will be speaking on the economic development opportunities and challenges facing the City in the upcoming years particularly in the downtown and riverfront areas.

Location:
 Cascio's Steak House
 1620 South 10th Street

Dinner Selections & Prices:
 10oz. Club Steak \$20.00
 9 oz. Broiled Chicken Breast \$18.00
 10 oz. Grilled Halibut \$22.00

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

Dinner selection includes salad, baked potato, bread, vegetable, choice of beverage and dessert.

Lead Society & Master of Ceremonies:

The lead society for this year's national E-Week is the National Society of Professional Engineers. Dennis Wilson, past president of the Eastern Chapter of NSPE and Economic Development Aide to Mayor Daub will be our Master of Ceremonies.

In order to provide a total attendance count to Cascio's, only advanced reservations will be accepted. Advanced reservations, menu choices, attendee's name and payment must be received by Tuesday, February 20, 2001. 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: Phil Rossbach
 HDR Engineering, Inc.
 8404 Indian Hills Drive
 Omaha, NE 68114-4049

Attendee's Name(s)	Quantity	Menu Choice	Total Cost
_____, _____	_____	Club Steak	x \$20 _____
_____, _____	_____	Broiled Chicken	x \$18 _____
_____, _____	_____	Grilled Halibut	x \$22 _____
		Total Cost	_____

Dr. Jorj Osterberg

...cont'd from Page 1

and recipient of the Royal Swedish Medal. In 1983 the ADSC (The International Association of Foundation Drilling) concluded that "one of the most needed advances in the drilled shaft industry was the development of a relatively low cost, mobile, fairly simple to evaluate load test system..." Dr. Osterberg responded to this challenge. With the help of Charlie Guild of American Equipment and Fabricating Company he developed the deep foundation load testing system that would meet the construction industry's needs.

Dr. Osterberg's invention, the Osterberg Cell, or "O-Cell", has radically changed the way deep foundation load tests are designed, performed, and interpreted. In recognition of this achievement, he won the NOVA Award in 1994. The prestigious NOVA Award is given by the Construction Innovation Forum, an international non-profit organization which recognizes innovations leading to improved efficiency and cost effectiveness in the construction industry. Nominations for this award are made from all segments of the construction industry and represent efforts of owners, contractors, architects, engineers, and others. The nominations represent proven cost savings and quality improvement on actual projects. The NOVA Award, which has been referred to as the "Nobel Prize" for construction, is awarded annually to noteworthy innovative solutions, processes, or products that improve the quality, efficiency, and cost effectiveness of construction. The Construction Innovation Forum is an international, non-profit organization established in 1987. Roger Lane of the Detroit Edison Company is the organization's Chair. The Forum is located in Ann Arbor, Michigan at 1000 Campus Drive, Suite 100, Ann Arbor, Michigan 48104-6792. Telephone 313 995-1855; fax 313-995-5002; e-mail: cif@pwb.com.

Dr. Osterberg is still active as a consultant to LOADTEST, Inc. He lives year-round in Aurora, Colorado with his wife Ruth.



ASCE National News

ASCE E-mail Forwarding:
New Member Benefit
yourname@members.asce.org

A new e-mail forwarding service is now available from ASCE on the national web site (www.asce.org). With a simple registration, you will receive an ASCE e-mail address (username@members.asce.org) from which e-mail will be forwarded to your current e-mail address. One advantage is that, although you may change e-mail providers (or employers), those sending you e-mail may continue to use the same ASCE e-mail address. (Simply notify ASCE to update the forwarding address.) Best of all, you can be instantly identified as an ASCE member simply by giving out your e-mail address.

2001 Membership Drive is Underway!

<p>A</p> <p>For each new paid member you recruit, receive a \$20 ASCE certificate that can be used for ASCE conferences, publications, continuing education, merchandise, or dues!</p>	<p>S</p> <p>The individual Top Recruiter can choose between a trip to the 2001 Civil Engineering Conference and Exposition in Houston, TX, or \$ 1000 in cash!</p>
<p>C</p> <p>The top growing Section and Branch from each Zone will receive \$250 cash and a banner. One overall winner will receive \$1000 cash and a deluxe banner!</p>	<p>E</p> <p>Each time you recruit a new member, your name will be entered into a drawing for \$1000!</p>

INTERESTED...? FOR MORE INFORMATION, CONTACT
ASCE MEMBERSHIP DEVELOPMENT:
1-800-548-ASCE

Officer's Spotlight

Loras Klostermann, the Chairperson of the Section's Geotechnical Committee and organizer of the February meeting, is featured this month.



Loras has been a geotechnical engineer at Thompson, Dreessen & Dorner, Inc. for the past six years. At TD² he is responsible for planning and performing geotechnical explorations including cost estimates,

directing field and laboratory technicians, analyzing soil conditions and writing reports of soil data and recommendations.

He has performed analyses and written reports for numerous geotechnical projects requiring a wide range of foundation designs from shallow foundations to deep foundations requiring analyses of foundation support, settlement potential, and site improvement requirements. Projects have included grade supported tanks, refinery structures and towers with light to very heavy loads, railroad bridges, highway and street bridges, multi-story buildings on shallow and deep foundations, warehouses, shopping centers, single-family residences, towers, embankments for water retention and sewage retention, grading embankments and roadway embankments. He has overseen construction of earthen structures using conventional earthmoving equipment and dredging equipment. In addition to new construction, projects also include forensic studies of distressed buildings and embankments to determine causes of failure and repair options. He has also designed segmental retaining walls and sheet pile retaining walls using both steel and vinyl sheet pile materials.

After growing up on a dairy farm in northeast Iowa, Loras attended Iowa State University where he received a Bachelor of Science Degree in Civil Engineering in 1981 and a Masters Degree in Geotechnical Engineering in 1984. His geotechnical engineering career began at Nebraska Testing Laboratories in Omaha immediately after completing his graduate work. He also worked as a geotechnical engineer in the oil and gas industries for Fugro-McClelland in Houston, Texas.

Loras lives in Omaha with his wife, Janet, and two daughters, Lauren and Jenny. At home he enjoys gardening and reading. During weekends in the spring and fall he looks forward to assisting his father-in-law and brother-in-law with planting and harvesting on their farms in western Iowa.

A Note from the Editor

We have some new newsletter underwriters on board this year. Welcome! And to all our sponsors, thanks for your support! Your contribution helps promote the profession (not to mention gains exposure for your company) throughout the state. In addition, your internet home page or email address will receive a link on the Section's website.

The deadline for the March 2001 edition of The Nebraska Civil Engineer is February 28. Send ideas for items that could be included in this newsletter, articles, or information to:

ASCE Newsletter Editor
c/o Rick Kaufmann
Terracon
2211 South 156th Circle
Omaha, NE 68130-2506
Office No.: (402)-330-2202
Fax No.: (402)-330-7606
email address: rakaufmann@terracon.com

CHANGE OF ADDRESS?

Please notify ASCE national of any address changes by calling 1-800-548-ASCE (2723) or contact them through their web site at www.asce.org. Address changes made at the national ASCE office are updated monthly at your local Nebraska section.

If you have not been receiving an email version of this newsletter, please send your updated email address to neasce@radiks.net. Remember to check the Section's website for additional information, contact information, and useful links. The URL is

www.radiks.net/~neasce

Direct any updated email addresses, items of interest or comments to the Section Webmaster, Brad Chambers, at 444-6866 or neasce@radiks.net. Items for publication can include job position postings, RFP's, corporate news releases, editorials, articles, or photos of ASCE-related events.

2001 Important Dates

- | | |
|-----------|--|
| Feb 8 | FEB. MEETING (Hosted by Geotechnical Group), Omaha |
| Feb 9 | GEO-Omaha 2001 (Annual Geotechnical Conference) |
| Feb 18-24 | National Engineers Week |
| Feb 23 | E-Week Banquet, Omaha |
| Feb 24 | Balsa Wood Truss Competition, Omaha |
| Mar 15 | MAR. MEETING (Hosted by Environmental Group, Lincoln) |
| Apr 19 | APR. MEETING (Hosted by Transportation Group and UNO Student Chapter), Omaha |
| May(TBA) | ANNUAL MEETING, TBA |



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