Please join the St. Louis Section for the

ASCE March Luncheon Meeting

Tuesday, March 9, 2004

The Missouri River: Graveyard of Boats

A Presentation by:
Dr. Steve J. Dasovich,
Head Archaeological Services Division, SCI Engineering, Inc.

In 1904, St. Louisans united in a common cause and pulled off one of the most spectacular events of its time.

The Missouri River is one of the first and largest highways our country has ever known. Helping to fulfill Manifest Destiny, steamboats and other river craft carried more people and goods on the Missouri to the west than any pre-20th century mode of transportation. The river forged the initial westward expansion of a young United States. However, she is a treacherous river, and many boats sank or were otherwise destroyed in their efforts. Dr. Dasovich will discuss the role of steamboating on the Missouri River in our history and how the river can change history through the boats she wrecked.

Dr. Dasovich is a professional archaeologist and is the state of Missouri’s only resident, professional underwater archaeologist. He holds three degrees in Anthropology with a B.A. from the University of South Dakota, a M.S. from The Florida State University, and a Ph.D. from the University of Missouri at Columbia. He is the Vice-President of the Missouri Association of Professional Archaeologists, a Commissioner on the St. Louis County Historic Buildings Commission, and holds membership in several national and regional archaeological societies.

Location: The Engineers’ Club of St. Louis
4359 Lindell Blvd.

Time: 11:30 a.m. Registration & Cash Bar
12:00 p.m. Lunch

Cost: $15.00 per person / $5.00 students

Call Kurt at the Engineer’s Club for reservations (314-533-9333) or fax at 314-533-9336 or email at kurt.krisspin@engineersclub.net

Details & updates: see our Web Page: http://sections.asce.org/stlouis/index.html
This newsletter will be sent to all Section members via e-mail. Issues will be sent only to members current with local section dues.
President's Message
From Mark Meyer

The ASCE Zone III Conference in Chicago was inspiring and informative. We met our ASCE national leaders and discussed all the current issues: Policy 465, governance restructuring, diversity in engineering, membership tips, policy statements, and communication skill. Adam Spector was there taking notes on how we can host an impressive Zone III next year. Adam assures me that all his time spent in the karaoke bar was necessary research.

One of the key messages from our current National President, Pat Galloway, PE was that most people do not really know what civil engineers do. We, therefore, need to do a better job of informing our communities of the invaluable services we provide every day. Our roads, bridges, buildings, lakes, rivers, harbors, power supply, infrastructure, the air we breathe, the water we drink and so much more is the result in some large part of the efforts, ingenuity and hard work of Civil Engineers. We are proud to be Engineers. We practice our profession with reverence and enthusiasm. We give our best effort to clients, our companies and our community. Let's remember to challenge what is known, learn from our mistakes, strive to do better and never miss an opportunity to tell others the very cool things we do.

From Clouds to Outfalls Seminar

Do you deal with water directly from the clouds, in pipes and plants, or at the outfall? Then you may benefit by attending the From Clouds to Outfalls Continuing Education Seminar on March 16 at the Engineers' Club of St. Louis.

11:30 – 12:00 Registration
12:00 – 12:30 Lunch
12:30 – 1:20 Radar rainfall data and its use in environmental engineering
David Curtis, Ph.D., President/CEO of NEXRAIN Corporation prior to merger with DIAD Inc. to form One Rain
1:20 – 1:30 Break
1:30 – 2:20 Topics and trends in water distribution and water distribution equipment
George T. Wooten, P.E., Senior Vice President - Director of Sales and Marketing with the firm Engineered Fluid, Inc.
2:20 – 2:30 Break with snack
2:30 – 3:20 The use of portable wastewater treatment plants in St. Charles County

Tom Engle, Executive Director of Duckett Creek Sanitary District
3:20 – 3:30 Break
3:30 – 4:20 Water quality impact analysis for new or expanding wastewater treatment systems
Phil Schroeder, Chief of Permits Section, Water Pollution Program at the Missouri Department of Natural Resources

The seminar costs $60 for members of the St. Louis Section of ASCE and $80 for non-members. The cost includes the entire program (worth 4 PDHs), lunch, and an afternoon snack. Lunch will consist of a grilled chicken breast with fresh mushrooms in a marsala wine sauce served with scalloped potatoes and the Chef's vegetable and tea or water. The full fee is due at the seminar on March 16 at the Engineers' Club of St. Louis. Make checks payable to the St. Louis Section ASCE.

Registration deadline is March 12. Register online at http://www.ce.siu.edu/CIVIL/class/reserve/registerform.asp. If you have difficulties with the site, no internet access, or need to make changes after submittal, contact Brent Vaughn directly at either bvvaughn@siue.edu or 618-650-3533. Registrants canceling after March 12 or not showing up will be charged the full seminar fee. Substitutions are allowed.

Thanks to the St. Louis Section ASCE Environmental and Water Resources Technical Committees for organizing this seminar.

Nominating Committee Selects Slate of Officers

At the February 3, 2004 meeting of the St. Louis Section Executive Committee, the slate of officers and directors for 2004-2005 was presented by Marie Collins, Nominating Committee Chair. This slate is as follows:

Past-President – Mark Meyer (automatic)
President – Robert Neath (automatic)
President-Elect – Marsia Gelderl-Murphey
Vice-President – Gene Rovak
Secretary – Allen Minks
Treasurer – Dale Smith
Director – Adam Spector

Additional nominations from the membership will be accepted at the March 9, 2004 membership meeting. These nominations must be made in writing and signed by ten (10) Members. A written statement must accompany nominations from the person or persons nominated for the office, stating that he/she or they will serve, if elected. The election of the officers and director will be held at the May membership meeting.
St. Louis Infrastructure Report Cards

Based on the highly successful ASCE National Report Cards, the St. Louis Section is proud to present the first two reports in a series on the St. Louis Metropolitan Area Civil Engineering Infrastructure.


More reports will be added as they become available. Link to ASCE National Report Card: http://www.asce.org/reportcard

Missouri Concrete Conference

The 2004 Missouri Concrete Conference will be held on Wednesday and Thursday, April 7-8, 2004 at the University of Missouri-Rolla. Presentations at the conference include:

Floor slab moisture problems, tilt-up, steel-free bridge decks, recycling concrete, optimizing mixtures, ready mix operations, available certification programs, experience with the maturity method, joint-forming with the bobsled, variable width pavers, slab surface texturing, thin overlays, changes in cement, cylinders-cores-size, lightweight profilometers, mix expectations, curing, MoDOT's new QC/QA program and MoDOT's new bridge deck mix.

The conference should be of interest to contractors, public agencies, consulting engineers, testing labs, aggregate producers, ready mix, cement and admixture suppliers, and equipment technical reps.

For conference registration contact Distance and Continuing Education, 103 ME Annex, University of Missouri-Rolla, Rolla, MO 65409-1560, phone (573-341-4200) or email macet@umr.edu.

GEOMo 2004 - Missouri Geotechnical Conference

The Department of Civil, Architectural, and Environmental Engineering at UMR has announced that GeoMO 2004, a one-day annual geotechnical engineering workshop, will be held on May 21, 2004. This year’s conference will focus on Reliability-Based Foundation Design and will feature Fred Kulhawy of Cornell University. This topic will be particularly timely for those engineers who attend the ASCE, St. Louis Section Geotechnical Program on February 27-28, when Fred will be presenting a seminar on the Estimation of Soil and Rock Properties for Foundation Design. Details of the conference and registration information are at http://campus.umr.edu/civil/geoMo.

Job Opening

Geotechnical Engineer

Responsibilities:
Prepare geotechnical engineering proposals, plan field explorations and sample collection, plan geotechnical laboratory testing programs, perform engineering analyses and calculations, write geotechnical engineering reports, interact and communicate with clients.

Requirements:
- 5-15 years experience
- License to Practice Engineering in Missouri or eligibility for licensure by comity
- M.S. Civil Engineering with Geotechnical Specialty
- Geotechnical Design Experience in one or more of the following areas: shallow and deep foundations for buildings and other structures; navigation structures and appurtenant works; earth dams and levees including hydrologic analyses; construction dewatering; railroad and highway embankments and bridges; soil and rock tunneling
- Requires some travel.
- Excellent writing, organizational, and communication skills essential.

Send Resume to: HR/JOBS, Shannon & Wilson, Inc., 2043 Westport Center Drive, Saint Louis, MO 63146, or via email to jobs@shdwil.com. Refer to: Ad-SL1-04 CLOSING DATE: Open Until Filled.
Affirmative Action Employer – M/W/Vet/Disab

SIUE-ASCE Student Chapter Golf Scramble

This four-person scramble is an important event in raising funds for the Chapter’s conferences and competitions such as the AISC Steel Bridge and Concrete Canoe Competitions and the hosting of the 2005 Mid-Continent Regional ASCE Student Conference.
When: Friday, April 2nd 2004
Registration 11:00, Shotgun starts 12:00
Where: Fox Creek Golf Club, Edwardsville, IL
For more info. contact: Collena Guttmann (618) 444-4174 or cguttmann@siue.edu
American Society of Civil Engineers
St. Louis Section
The Engineers’ Club
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**IMPORTANT DATES**

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**ASCE Newsletter via e-mail and postal delivery:**
ASCE National keeps a central database that holds all ASCE members individual information. This database is downloaded by the St. Louis Section every month or two for Section use. This provides the Section with both mailing and e-mail addresses AS THEY ARE SHOWN ON YOUR NATIONAL RECORDS. Therefore, if you need to update these addresses regarding your receipt of the newsletter, please do so at the National level (www.asce.org) so we will be forwarded the updated information.

**NEWS ITEMS**

Please try to get all announcements for placement in the Newsletter to the Newsletter Chairman by the 15th of the month prior to publication.

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Most news items will be available on the Section’s Web Page, which can be reached via the link on ASCE National Website at [http://www.asce.org](http://www.asce.org); (click on “Geographical and International Units” to link to the section) or go directly to our page at: [http://sections.asce.org/stlouis/index.html](http://sections.asce.org/stlouis/index.html)
The Web Page Editor is Steve Randolph
e-mail: srandoiph@hornershifrin.com or via feedback directly from our website