



Civil Engineer THE NEWSLETTER

MARCH 2005

**S.A.M.E. Joint
Meeting at
Ft. Lewis Golf Club**

**THURSDAY
MARCH 10th**

**Ft. Lewis Golf Club
Exit 116 off I-5**

**11:30am
Build Your Own Sandwich**

***Cost:
\$11 per person
*Students half price**

**To make your reservations:
Please contact Will Shick
at 253.922.9037 ext. 207 or
email
wills@helixdesigngroup.net
by noon on Tuesday,
March 8th.**

ASCE a better world by design

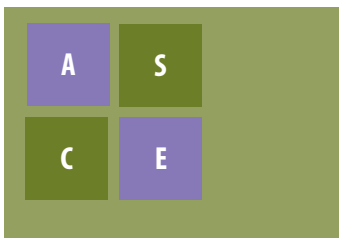


Rock and glacier deformation during the ongoing eruption of Mt St Helens

Speaker: Joseph Walder, Hydrologist

Joseph Walder received his Bachelor of Science Degree for Geophysics from the California Institute of Technology. He went on to pursue his Master of Science Degree in Geology from Stanford University. Joseph has completed his Ph.D. in Geophysics at Stanford University Postdoc at University of Washington USGS Cascades Volcano Observatory since 1989.

At his current job with the USGS in Vancouver, WA, his official job classification is "hydrologist". What this means in practice is a focus on volcano hazards linked in some way to hydrological processes. Joseph will be talking about Mt. St. Helen's volcano and how it has been undergoing rapid, peculiar deformation. Mr. Walder will discuss the styles of deformation associated with magma movement and emplacement of the new lava dome.



**Engineers Make
The Difference—
They Provide the Quality of Life!**

Civil Engineer Newsletter is published monthly from September to May for the Tacoma/Olympia Sections of the American Society of Civil Engineers.

To submit ads or articles of interest please contact the President of the section or the Editor. Information must be submitted not later than the 15th of the month to be included in the next publication.

For address changes/corrections, notify the Editor or the WEBmaster.

Greetings. I have returned from the next to last Pacific Northwest Council meeting in Phoenix Arizona. It will be the end of PNC as we know it and the start of a new “Assembly” of Section Presidents and Section delegates.

We will be Region 8 and will be composed of the following Sections:

Alaska
Columbia
Inland Empire
Montana
Oregon
Southern Idaho
Seattle
Tacoma/Olympia
Hawaii
Nevada
Arizona
New Mexico

“...the end of PNC as we know it and the start of a new “Assembly” of Section Presidents and Section delegates. I expect this will generate a renewed interest in serving ASCE. It certainly is an exciting time for ASCE.”

The following is my understanding of how the new governance structure will affect Region 8: A Board of Governors will be created and there will continue to be one director from each Region, two directors from the Institutes, one International, and two at-large directors that will serve at the ASCE National Level. Zone Vice Presidents will no longer exist. **All of this is in response to the overwhelming support of the Governance Initiative that we voted on last summer.**

This is a very exciting time for ASCE with redistricting and a major overhaul of the governance platform that we have become accustomed to with the rotations and everything. The new governance structure will allow for more people to serve in leadership capacities at the times in their careers that is most conducive to the

individual and not determined by the given Sections' turn in the rotation process. **It is hoped that this will lead to contested elections and better candidates. The terms for service are somewhat long.** The term on the Assembly may be one or two years or more. The Governor term will be a three year position as will the Director position. Typically one will be a Governor prior to being elected as a Director. From the Director pool will come the candidates for the National President Elect Position which is also a three year obligation including, President Elect, President, and Past-President positions.

It is my pleasure to serve you as President of our Section for the second time. It is especially exciting to participate in the discussions about the future of our District's Governance. There are large, medium and small sections in our Region and each is encouraged to put forward candidates for the Governor positions available which will likely be two per year once the board is transitioned from the existing structure to the new one. There will also be an appointed Governor. The majority (6) of Governor positions will be competitive. Governors will come from the sections and will have served as section officers or as members of a national committee. If you are interested in serving as a Regional Governor, I encourage you to contact your current Section president—understanding that this is a financial and time commitment as Governors will travel the Region and perform many of the duties that Directors now perform, I expect this will generate a renewed interest in serving ASCE.

It certainly is an exciting time for ASCE.

Until next time,

Kathy Hargrave

Tacoma/Olympia Section President 2004-'05

ASCE Teams Studying Effects of Tsunami

Three technical teams, comprised of ASCE and Institution of Civil Engineers (ICE) members, are in South Asia studying the catastrophic damage resulting from the recent earthquake and tsunami. The teams are investigating the specific causes of failure in some structures and the elements that allowed some structures to survive. The teams departed for the region Jan. 30-31 and will return by Feb. 9. Field reports from the teams are featured on Engineering News Record.

ASCE team members are comprised of members of the Coasts, Oceans, Ports and Rivers Institute (COPRI) and the Technical Council on Lifelines Earthquake Engineering (TCLEE). The teams' findings will be available to ASCE members in early spring.



Team members John Headland and Peter Yin visit area where a tsunami wave destroyed a passenger train, killing more than 1,500 people.

Policy Statement 465

by Wes Jones



The future for ASCE and its membership are changing at a

rapid pace, similarly, so is the profession of civil engineering. With the ever-evolving world of technology becoming more routine in our design, it is easy to forget how complex our job really is. It isn't so much that the methodologies of engineering have changed, but with widely available software, increasing regulations, client demand for unique results, and a variety of data offered by most agencies, problem solving as we know it has changed. Think about it, could you do your job today with the education you graduated with? Likely, the answer is no. This is because there is a separation between what we **need** know to do our jobs as professionals and what we **do know** with a traditional bachelor's degree plus work experience.

ASCE has been aware of this fact for several years, and is now in the implementation phase of their solution: Policy Statement 465. Simply put, this statement (adopted by resolution) seeks to increase the amount of education required before professional licensure can be obtained (phased in over 10-15 years). ASCE believes that continuing education is the key to gaining the additional

knowledge and skills to effectively practice civil engineering at the professional level. The equivalent of 30 credit hours of progressive, engineering experience will satisfy the continuing education requirement under PS465. While this may be achieved through a master's degree, ASCE recognizes that other alternatives exist and are equally satisfactory. These include distance learning courses, government agency classes, ASCE seminars, and other educational programs offered by companies or for-profit organizations.

Ultimately this change in policy from ASCE National will trickle down to the legislative bodies in each state responsible for issuing the law. It will be up to them to decide what level of education and experience is acceptable to society. As a result, it is up to you, the civil engineering professional, to share your opinions with your legislators to enact change. Because PS465 will likely affect the current student members, and possibly some of the Younger Members of ASCE, I have put together some useful links and contacts below where you can get more information. Please remember, as Section Leaders, we are here to help you. If you have any questions, feel free to contact us at your convenience.

Go to http://www.asce.org/raisethebar_ for the report, **Civil Engineering Body of Knowledge for the 21st Century: Preparing Civil Engineers for the Future.**

To contact your local legislator, ASCE has the following web-site designed for your participation <http://www.asce.org/advocacy.html> or you can reach your senator or congressman at the phone numbers below:

Senator:

Patty Murray
202.224.2621

Maria Cantwell
202.224.3441

Congressman:

Brian Baird- Tacoma
202.225.3536

Norman Dicks- Olympia
202.225.5916

Have a great month, and we'll look forward to seeing you March 9th at the Golf Course!

- Wes Jones, Younger Member Chair

Civil Engineers Assess State of America's Infrastructure

Tune in March 9th for the release of ASCE's 2005 Report Card for America's Infrastructure.

On March 9, the American Society of Civil Engineers (ASCE) will release the 2005 Report Card for America's Infrastructure at a 10:30 a.m. ET press conference. The report is a reassessment of the 12 infrastructure areas evaluated in 2001, with three additional categories. Please join ASCE President Bill Henry, ASCE Executive Director Pat Natale and congressional leaders as they discuss the trends affecting our infrastructure and assess its progress or de-

cline since 2003 when ASCE released the Progress Report for America's Infrastructure.

With new grades for the first time since 2001, the report will examine trends and assess the progress and decline of

America's infrastructure. Are we making any strides toward raising the grade of America's infrastructure above the D+ it earned four years ago? Tune in March 9th to find out!



For more information, go to: <http://www.asce.org/reportcard/> or <http://www.infrastructurereportcard.org> or Contact:

Lauren Bailey
Jill Dixon

ASCE Washington Office
ASCE Headquarters

202.204.2500
800.548.2723 ext. 6404

lbailey@asce.org
jdixon@asce.org



Section Calendar

2005

March 9—Joint meeting with SAME at the Ft. Lewis Golf Course.

April—Honors and Awards. Week of April 11, 2005 - date to be confirmed.

May 10th last section meeting before Summer. Date and place to be announced.

September —Joint meeting with SEAW. Date, location and program to be announced.

*DATE/TIMES/LOCATIONS ARE TO BE VERIFIED

Section Meetings are open and held once a month, September through May. Meetings are generally held on the second Tuesday of the month. Locations alternate between Tacoma and Lacey, and times vary between lunch and dinner meetings.

Local Board Meetings are open and generally held the first Monday of the month at 5:30pm. Locations vary. Please check the WEB site, this calendar, or contact the president for confirmation.

<http://sections.asce.org/tacoly/tacoly.htm>

TRANSPEED Courses

The TRANSPEED Schedule Below is a list of the upcoming courses.

Please view our website at <http://www.engr.washington.edu/epp/Transpeed/index.html> for specific course descriptions and dates. Click on the specific course link to view the course outline.

I look forward to seeing you at a TRANSPEED course soon. If you have any questions please feel free to contact me anytime.

Christy Pack
TRANSPEED Program Manager
UW Engineering Professional Programs
10303 Meridian Ave N #301
Seattle, WA 98133
1-866-791-1275 toll free
direct 206-543-5539 206-543-2352 FAX
croop@u.washington.edu

Administering Consultant Contracts
Seattle, March 1, 2005

Basic Highway Capacity For Engineers and Planners
Seattle, March 7-9, 2005

Fundamentals of Traffic Engineering
Seattle, March 14-16, 2005

Legal Liability for Transportation Professionals
Seattle, March 17-18, 2005

Storm Water Engineering for Transportation Professionals
Seattle, March 30 - April 1, 2005

Managing Consultants,
Lacey April 6, 2005

Technical Communication for Transportation Professionals
Lacey, April 11-12, 2005

Determining Contract Working Days
Seattle, April 19, 2005

Bridge Foundation Design
Lacey, April 26-28, 2005

Work Zone Traffic Control Plan (TCP) Design
Lacey, May 3-5, 2005

Traffic Engineering Operations
Seattle, May 9-11, 2005

2005 Winter/Spring Professional Development Short Courses

For a complete description of the course and registration information visit our website <http://www.engr.washington.edu> or call us at: Engineering Professional Programs, University of Washington, phone: 206.543.5539 (fax) 206-543-2352 or (toll free) 1.866.791.1275

Stephanie Strom, Program Mgr:
sstrom@u.washington.edu
(direct) 206-685-9682
Stacy Williamson, Prog. Coord.
stacyw@u.washington.edu
(direct) 206-543-5743

Construction Site Erosion and Pollution Control NEW- Become a Certified Erosion and Sediment Control Lead (CESCL)
February 24-25, 2005 | Seattle

Use of Constructed Wetlands for Stormwater Quality Control
March 10, 2005 | Seattle

Watershed Protection Institute
March 28-April 1, 2005 | Shepherdstown, WV

Achieving Real Success as a Project Manager
April 21-22, 2005 | Seattle

Stormwater Treatment by Media Filtration
April 26-27, 2005 | Seattle

Infiltration Facilities for Stormwater Quality Control
May 10-11, 2005 | Seattle

Project Leadership Workshop
May 18-19, 2005 | Seattle



Tacoma/Olympia Section Board **2004 - 2005**

President

Kathy Hargrave...253.474.9449
kathyhargrave@sitts-hill-engineers.com

President-elect

Susan Coffman...253.594.7905
Susan.Coffman@ci.tacoma.wa.us

Secretary

Mustafa Mohamedali...360.705.7261
MohameM@wsdot.wa.gov

Treasurer/PNC Rep

Bernard Hargrave...253.764.6839
Bernard.L.Hargrave.Jr@nws02.usace.army.mil

Director

Jason Moline...253.502.2239
jmoline@ci.tacoma.wa.us

Director (2-year)

Morris J. "Gus" Fant...253.922.2332
gusf@ahrengineers.com

District 12 Director

Greg DiLoreto...503.848-3032.
Greg@tvwd.org

Younger Member Chair

Wes Jones...253.474.9449
wesjones@sitts-hill-engineers.com

Past President

Connie Linden...253.383.2422
clinden@ahbl.com

Newsletter Editor

Nancy Searle...253.564.5885
dekedesigns@aol.com

WEBmaster

Richard Swanson...360.455.3161
rswanson@skillings.com or
richardswanson@comcast.net



We're on the web!

<http://sections.asce.org/tacoly/tacoly.htm>