



ASCE Tacoma Olympia Section—SEPTEMBER 2004 Member Newsletter

JOINT MEETING WITH SEAW

WED., Sept. 15, 2004

The Vault (upstairs)
1025 Pacific Ave
Tacoma

Social: 5:30 pm
Dinner: 6:00pm
Program: 6:30pm

Menu: Salad, Pasta,
Baron of Beef, Turkey,
Potatoes, Dessert

Cost: \$25 with RSVP
\$10 Students
(Student ID)

RSVP by Noon, Sept 9,
Contact: Sarah,
seawswchapter@comcast.net
or call 253.565.0769

WESTERN WASHINGTON FAIR BOOTH

WE NEED YOU! VOLUNTEER FOR THE SECTION'S BOOTH AT THE WESTERN WASHINGTON FAIR, SEPT 10TH THROUGH SEPT 14TH. SEE THE PRESIDENT'S CORNER FOR MORE INFORMATION.

PUGET SOUND FAULTS

The Seattle and Tacoma faults are now thought to represent the most important seismic hazards to the regional built environment. Because both faults have only been discovered within the past 12 years, they are the focus of large, ongoing, multi-disciplinary geologic studies aimed at better characterizing the hazard they pose. Nonetheless, there is now geological evidence for large (2-4 meters) surface rupture produced by both of these faults as recently as about A.D. 900. Both faults are thought to be capable of generating magnitude 7 earthquakes.

Guest Speakers, Tom Brocher and Brian Sherrod from the U.S. Geological Survey will present some of their new findings on these important faults. They will present a new view of these faults aimed at reconciling north-directed thrusting on the Seattle fault with high-resolution topography (LIDAR) and paleoseismic evidence showing south-directed Holocene thrusting at the surface. Unlike the prevailing model from the Seattle fault which predicts north-directed faulting at the surface, they explore the possibility that a wedge, which is bounded at the top and bottom by thrust faults with opposite senses of motion, much like a snowplow driving through the snow, characterizes the Seattle fault zone. Such features are often recognized in a number of fold and thrust belts elsewhere, and the responsible structures are well described in the geological literature. If substantiated, the inferred fault geometry along the Seattle uplift could have important implications for the analysis of seismic hazard between Seattle and Tacoma. For instance, their model suggests that the main Seattle fault extends 1 to 3 km farther north than previously proposed, placing the entire Seattle downtown area above the main strand of the Seattle fault. In addition, their model suggests that the entire central Puget Low-land between Seattle and Tacoma is underlain at shallow depth (less than 16 km) by an active thrust fault (either the Seattle or Tacoma fault).

Tom Brocher is a research geophysicist for the U.S. Geological Survey in Menlo Park, CA and is Co-Chief of the Earthquake Hazard Investigations of the Pacific Northwest Project. He received a Ph.D. in Geophysics from Princeton University. He has led several Seismic Hazard Investigations of the Puget Sound (SHIPS) projects since 1999, including recording the seismic waves generated by the demolition of the Kingdome. He has 28 years of experience in acquiring and interpreting geophysical surveys of the subsurface.

Brian Sherrod is a research geologist for the U.S. Geological Survey in Seattle. He received a Ph.D. in Geological Sciences from the University of Washington. His main area of research is paleoseismology of western Washington—basically he looks for evidence of past earthquakes in the geological record. He is currently working on evidence for surface rupture along the Seattle fault zone, coastal uplift and subsidence along the Tacoma fault between Tacoma and Hood Canal, and coastal uplift along the southern Whidbey Island fault zones.

President's Corner by Connie Linden

In 2004, ASCE members approved a constitutional amendment intended to streamline representation, to add Institute and At-Large Directors, and to create a regional board structure. ASCE is now in the process of finalizing how the new structure will be phased into operation. For more information on this constitutional amendment, go to the ASCE national website at asce.org/governance.

The Tacoma/Olympia Section is again hosting a booth at the Western Washington Fair, the first week of the Fair, September 10th through September 14th, and your support is needed. An email message was sent in August describing booth activities. But as a recap, the booth will highlight the West Point Bridge Competition design software, and booth visitors, in particular students from middle school to high school, will be encouraged to try their hand at bridge design. For younger students, we plan to provide a bag filled with Styrofoam balls, blunt end skewers and instructions to build a model bridge at home. In addition, the Section is asking for volunteers to construct pop-cycle stick bridge models to display at the Fair booth. Booth visitors will be asked to judge models, and the winner will be awarded a certificate for payment of their next year's Section dues. I encourage you to get involved with this event, and help the Section make this year's booth another success. To volunteer, contact Sue Coffman at Sue.Coffman@ci.tacoma.wa.us or me at clinden@ahbl.com.

I hope you had a great summer, and I look forward to seeing you in September.

Connie Linden
President 2003-2004
Tacoma/Olympia Section

ASCE Governance Restructuring (Approved August 2004)

Governing Body Composition

Board - 17 members (3 presidential; 2 At-Large; 10 Geographic Regions, 2 Institute)
ExCom - 7 members (3 presidential, 4 3rd-year Directors)

Meetings

Board - three times a year (eliminate January meeting); potential additional meetings held by conference call/electronically
ExCom - six times a year; additional meetings held by conference call/electronically

ASCE Governance Restructuring (cont'd)

Requirements for Officers and Directors

All - must be member in good standing of ASCE

President - voting member of Society; prior service on Board

Regional Director - voting member of the Society; prior service as a Regional Governor; address of record within the region being represented

At-Large - member of the Society, excluding Student Members

Institute - voting member of the Society; prior service on an Institute Board; member in good standing of Institute being represented

Election

President - elected by voting membership; petition process allowed as well

At-Large - will be on ballot; 1 or more; no petition

Institute - nomination process to be determined by the Institutes, elected by Institute membership just like

Regional directors are elected by regional membership

Regional Governors - nominated by Sections in Region; elected by membership in Region

Geographic Regions:

Functions - assists in developing and implementing the Society's Strategic Plan; provides leadership and direction for Regional business and activities intended to better serve and engage the members; additional resource to Sections for national programs, provides input to Board on policies
Requirements for Governors - prior Section or national committee service

Geographic Regional Boundaries:

Number - based on Constitutional amendment, there will be 9 domestic regions and 1 international region

Composition - alternatives for Region boundaries have been shown to illustrate concept; final boundaries will be determined as part of implementation; not part of the decision on the governance restructuring proposal

Key Criterion - numeric balance is not the driver; mutuality of interest is key

Committees:

Membership - comprises fewer Directors; populated with Regional Governors and other members of the Society

Transition:

All persons elected prior to adoption of amendment will serve their full elected term

Guidance will be provided to regions on how to define their structure, procedures and operations

First Institute Director elected on 2005 ballot (assuming passage in Summer 2004)

Full transition is expected to take four to six years

Cost:

Cost Neutral (see Summary of Operation Costs document)

National Civil Engineering Society Elects -New Officers

Reston, Va. - The American Society of Civil Engineers (ASCE) announced on August 17, 2004 the election of **Dennis R. Martenson, P.E., DEE, F.ASCE**, as its new president-elect. Newly elected officers will be installed during the annual business meeting at the ASCE Civil Engineering Conference and Exposition in Baltimore on October 23, 2004. The results for zonal presidents and district directors are as follows:

- Vice President Zone II - **Randall S. Over, P.E., F.ASCE**, District 12 construction engineer, Ohio Department of Transportation, who will represent sections and branches in Michigan, Indiana, Ohio, West Virginia, Kentucky, Virginia, Arkansas, Tennessee, North Carolina, Louisiana, Mississippi, Alabama, Georgia, South Carolina and Florida.

- Vice President Zone IV - **Blaine Leonard, P.E., M.ASCE**, senior research project manager, Utah Department of Transportation, who will represent sections and branches in Washington, Montana, Oregon, Idaho, California, Nevada, Utah and Arizona.

- District 1 Director - **Robin A. Kemper, P.E., F.ASCE**, assistant structural department manager, French & Parrello Associates, Holmdel, New Jersey, who will represent sections and branches in New York and New Jersey.

- District 4 Director - **Peter A. Terry, P.E., M.ASCE**, president, Benchmark Civil Engineering Services, Inc., Allentown, Pennsylvania, who will represent sections and branches in Pennsylvania.

- District 12 Director - **John W. Pulver, P.E., F.ASCE**, a consultant, who will represent sections and branches in Montana, Idaho, Washington and Oregon.

- District 14 Director - **Steven C. McCutcheon, Ph.D., P.E., M.ASCE**, senior environmental engineer, U.S. Environmental Protection Agency, who will represent sections and branches in Georgia, Alabama, Mississippi and Louisiana.

- District 15 Director - **T. Anthony Reid, P.E., F.ASCE**, a consultant from Meridian, Texas, who will represent sections and branches in New Mexico, Texas, Oklahoma, Hawaii and Mexico.

- District 16 Director - **Randall M. Perkinson, P.E., F.ASCE**, senior project manager, Jacobs Civil Inc., St. Louis, Missouri, who will represent sections and branches in South Dakota, Wyoming, Nebraska, Colorado and Kansas.

- International Director - **Jaime Santamaria-Seranno**, a consultant from Bogota, Columbia, who will represent ASCE's international sections and branches.

For more information on ASCE's 2004-2005 Board of Direction, please contact Joan Buhman at jbuhman@asce.org.

Section Calendar Meetings/Programs

Sept10-14: Western Washington Fair Booth

October 12: Lacey Program TBA

November 9, Tacoma Program TBA

December; Joint Meeting with Seattle Section. (hosted by Tacoma/Olympia: Program TBA

Upcoming Events

SAME Golf Tournament
Sept 24: Contact: Mike Cozart, 253.922.0446 Register by Sept 10.

Oct 2004: Summit at SeaTac Airport, contact: www.cleanairports.com

Oct 20-23, 2004: Civil Engineering Conf. and Exposition; Baltimore, Maryland

*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 vary between lunch and dinner meetings

Section Board Meetings are open and generally held the first Monday of the month at 6:00 pm. Locations vary. Please check the WEB site, this calendar, or contact the president for confirmation.

TRANSPEED Courses

The Fall 2004 TRANSPEED Schedule. Please View our website at <http://www.engr.washington.edu/epltran.speed>

for specific course descriptions and dates.

Questions ? Call. Christy Pack, Program Manager, UW Engineering Professional Programs 10303 Meridian AV N #301 Seattle, WA 98133 1.888.791.1275 toll free 206.543.5539 206.543.2352 FAX

Work Zone (TCP) Design: September 8-10: Vancouver December 7-9: Seattle

Access Management: Sept 20-22: Seattle

Legal Liability For Transportation Professionals: Sept 28-29: Lacey

Managing Scope, Schedule and Budget: Sept 29-Oct 1: Spokane

Technical Communication for Transportation Professionals: Oct 7-8: Vancouver

Administering Consultant Contracts: Oct 12: Seattle, Nov 30: Lacey

Fundamentals of Traffic Engineering: Oct 13-15: Lacey

Traffic Signal Operations: Oct 19-20: Seattle

Hydrology and Basic Hydraulics: Oct 21-22: Lacey

Roadway Culvert Hydraulic Design: Oct 25-26: Spokane

Basic Traffic Signal Design: Oct 27-29: Lacey

TRANSPPEED Courses (cont'd)

**Roundabout Design Concepts
and Guidelines: Nov 3-5: Van-
couver**

**Managing Consultants: Nov 4:
Seattle**

**Intro to Retaining Wall Type
Selection and Layout: Nov 9:
Vancouver**

**Context Sensitive Solutions:
Nov 15-16: Seattle**

**Public Works Construction
Project Management: Nov 18-
19: Seattle**

**Pavement Rehabilitation: Dec
1-3: Lacey**

**Manual of Uniform Traffic Con-
trol Devices: Dec 13-15: Seattle**

**Measuring Project Perform-
ance: Dec 16: Seattle**

**Managing Environmental Im-
pacts for Design & Construc-
tion: Jan 5-6: Seattle**

**Upcoming course calendar Fall
2004. To register or view the
complete course descriptions
log onto:
[http://www.engr.washington.
edu/epp/cee](http://www.engr.washington.edu/epp/cee)**

Watershed Restoration Institute
September 12-17, 2004:
Bainbridge Island, WA

Stormwater Treatment by Media
Filtration
October 6-7, 2004: Seattle

Improving Stormwater Manage-
ment Using Low Impact Develop-
ment (LID)
Practices
October 26-27, 2004: Seattle

Biofiltration and Bioretention for
Stormwater Runoff Quality En-
hancement
November 2, 2004: Seattle

Wetland and Upland Habitat Res-
toration Design
November 16-17 2004: Seattle

Field Trip: Wetland and Upland
Habitat Restoration Design -NEW-
November 18, 2004: Seattle area

Mentoring and Coaching
Workshop
December 6, 2004: Seattle

Effective Project Negotiation
Skills
December 7, 2004: Seattle

Project Leadership Work-
shop
February 23, 2005: Seattle

To register or view the com-
plete course descriptions log
onto:

[http://www.engr.washington.
edu/epp/cee](http://www.engr.washington.edu/epp/cee)
or call 1-866-791-1275 (toll
free)
or 206-543-5539 for more
information.



TACOMA/OLYMPIA SECTION BOARD 2003-2004

President

Connie Linden...253.383.2422
Clinden@ahbl.com

President-Elect

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

Secretary

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

Treasurer

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

Director PNC Rep

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

District 12 Director

Greg DiLoreto...503.848.3032
Greg@twwd.org

Younger Member Chair

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

Past President

Chris Beckman...253.468.0309
cbeckman@essayonsinc.com

Newsletter Editor

Nancy Searle...253.564.5885
dekedesigns@aol.com

WEBmaster

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