



SEATTLE SECTION NEWSLETTER

February 2010
Volume 45 No. 6

Section Officers

October 1, 2009 – September 30, 2010

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WEBMASTER

Lisa Martinez seattleasce@yahoo.com

ASCE Seattle Section Meeting

Wednesday, February 10, 2010

Place: McCormick & Schmick's Harborside Restaurant
1200 Westlake Avenue North
Seattle, Washington 98109

Cost: \$30 per person (\$35 for late reservations)
Students \$10
Spouses and guests are welcome.
Cash or checks payable to ASCE are accepted.

Meal: Rosemary Seared Cod with Northwest Berry Buerre Rouge or
Black Bean and Saffron Rice Tostada

5:30 Socialize

6:15 Dinner

7:15 Speaker: David Gilbert, National ASCE History and Heritage Committee and ASCE Seattle Section History and Heritage Committee

8:45 End

Please make your reservations by

NOON Friday, February 5, by calling 206-926-0482

(voice mail system only — please leave a message)

or by sending an email to:

seattleascereservations@gmail.com

Please indicate with RSVP if the vegetarian meal is preferred.

Captain George Vancouver's Mapping of the West Coast of North America and the Recent Designation as an ASCE International Historic Civil Engineering Landmark

The voyage of Captain George Vancouver between 1791 and 1795 resulted in the most accurate and detailed map of his time for the entire west coast of North America. His survey conclusively proved the absence of the fabled "Northwest Passage." Vancouver was the first European to discover and map Puget Sound and to establish the insularity of Vancouver Island. Spanish authorities provided much of the mapping information for islands off British Columbia. Portions of the map were used by mariners nearly 100 years later and it served as an important reference for the Oregon Boundary Dispute Treaty of 1846 between Britain and the United States.

The ASCE History and Heritage Committee designated Vancouver's Mapping of the West Coast of North America as an International Historic Civil Engineering Landmark. This was approved by the ASCE Board of Direction on April 24, 2009. The nomination was submitted by the ASCE Seattle Section History and Heritage Committee.

In addition, we will honor our new Life Members during the February 10 meeting. See the article on page 3 for more information.

The deadline for the
March 2010 issue is
5:00 p.m.
FRIDAY, February 19, 2010
No exceptions.

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Your newsletter editor is:  
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#### CHANGE OF ADDRESS:

All change of address information  
(including your e-mail address for  
the newsletter) should be provided  
directly to ASCE at [www.asce.org](http://www.asce.org) or:  
1801 Alexander Bell Drive,  
Reston, VA 20191-4400.  
The Seattle Section will receive the  
updated information from ASCE.

**AMERICAN SOCIETY OF  
CIVIL ENGINEERS, SEATTLE SECTION**  
<http://www.seattleasce.org>

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#### ASCE SEATTLE SECTION NEWSLETTER ADVERTISING RATES

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First 75 words free  
75 cents per each additional word

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[seattleASCEnews@gmail.com](mailto:seattleASCEnews@gmail.com)  
for pricing and format requirements.

## President's Column

By Ronald Bard, P.E.

The monthly Section meeting last week was impressive. This was our annual joint meeting with our Section's Geotechnical Committee. This year, the geotechnical group, AEG, joined the meeting. There were over 200 people attending, the largest in quite some time. The excitement derived from that kind of attendance was palpable. Thanks to all who attended. This should inspire us to increase the attendance at all our meetings. Let's all make the extra effort to attend and encourage our co-workers to be there as well.



There are a number of exciting activities coming up. The beginning of Engineers Week, with the Popsicle Stick Bridge Competition and other activities is one. There is also the PSEC awards banquet at the end of E-week. April will bring the Rebuilding Together service project. Some of you will be attending the Region 8 and 9 Multi-region Leadership Conference in San Diego. This is a great time to: get involved, become reinvigorated, or perhaps stay involved. Again, attend these activities, tell your co-workers about them, and then tell everyone what a good time you had and how much you got out of the event.

Sincerely,

*Ronald Bard, P.E.*

Seattle Section President

## Bio for February 10 Speaker

David Gilbert is a retired construction and mining engineer. He was born in Seattle in 1936 and since his retirement in 2000 lives with his wife in Sequim, Washington.

Dave earned his E.M. Degree at the Colorado School of Mines in 1960 in Denver, Colorado. He also is a registered civil engineer in California and Washington State.

His 40-year career with Bechtel Group took him and his family to the four corners of the world, such as Australia, the Middle East, and S.E. Asia. He performed a variety of engineering duties throughout his career including: Coal Mining in Afghanistan; Mining Railroad Design and Location in the U.S.A. and Australia; and Construction Management for Mining, Oilfield and Petrochemical Plant Projects in Saudi Arabia, Kuwait, United Arab Emirates and Indonesia.

David is an ASCE Fellow and currently an active member of the Kitsap Branch and serves on the ASCE National History and Heritage Committee. He also participates in the Seattle History and Heritage Committee meetings chaired by Cindy Hirsch. Dave also serves on the Construction Committee for the National Council of Examiners for Engineers and Surveyors.

## CALL FOR ENTRIES: 2009-2010 Local Outstanding Civil Engineering Achievement Awards Program

By Ann Bryant, P.E., Immediate Past President

Have you been doing interesting work? Did you complete an innovative project in 2009? Start planning to apply for a Local Outstanding Civil Engineering Achievement Award. Don't miss this opportunity to gain recognition for you and your organization or clients. The application process is relatively simple and winners receive terrific benefits, including:

- Make a presentation about your project at our June meeting
- Receive plaques for you and your organization or clients
- Be offered a feature page in our monthly ASCE newsletter that reaches over 2,400 civil engineers in the Puget Sound area
- Post your project on our webpage
- Display your project at one of our monthly meetings
- Display your project at the ASCE booth at the Annual Engineers Week Fair
- Be nominated for an Outstanding Project Award in Region 8 which covers Washington, Oregon, Arizona, Utah, Nevada, Idaho, Montana, Alaska and Hawaii
- Looks fantastic on your resume

Don't delay! **Entry Deadline is February 26, 2010.**

For the Application and Rules visit  
[www.seattleasce.org/awards](http://www.seattleasce.org/awards).

## New Life Members to be Honored at February Section Meeting

By Ann Bryant, P.E., Immediate Past President

Life Member status is an honor awarded to members that have made a lifetime commitment to ASCE and the civil engineering profession. To obtain Life Member status, ASCE Members, Associate Members and Affiliate Members must have reached the age of 65 years, paid dues for at least 30 years, and had 10 years continuous membership immediately preceding the attainment of Life Member.

Life Member status exempts a member from further payment of membership dues. Life Members are only required to pay to receive membership publications, currently Civil Engineering magazine and ASCE News.

Congratulations to the following new Seattle Section Life Members:

|                 |                   |
|-----------------|-------------------|
| Harold Andersen | Michael McCarthy  |
| Ronald Burgess  | James Miller      |
| Anil Butail     | Michael Rembert   |
| Elmer Elwin     | Mark Shaffer`     |
| William Gossett | H. David Stensel  |
| Robert Gregg    | Joseph Struzka    |
| Gregory Hartman | R. Scott Terry    |
| Michael Jones   | James Thompson    |
| Barry Knight    | Ronald Tognazzini |
| Albert Liou     | Ming-Juin Wu      |
| Glen Mann       |                   |

Please join us at the February 10 Seattle Section dinner meeting where we will be honoring the new Life Members. If you know or work with any of these people, you are encouraged to contact them personally and congratulate them on their accomplishments.

## 2010 Workforce Re-entry Scholarship

By ASCE Diversity Committee

Applications are being received for the Workforce Re-entry Scholarship. The award was established by the ASCE Diversity Committee to provide a candidate trying to re-enter the Civil Engineering profession with an opportunity for continuing education through difficult economic times or life transitions. This award is in line with ASCE National's mission to enhance access to the profession, assess diversity trends within the civil engineering profession, develop solutions to improve diversity relations, and actively promote inclusiveness within the Society and the profession.

The Workforce Re-entry Scholarship is awarded by the Seattle Section. Applications must be sent by March 31 and announcement of the recipient will be made by April 15. The amount of the scholarship is \$500.

For the 2010 Scholarship Award Application and further details, visit the Diversity Committee website:  
[www.seattleasce.org/committees/diversity.aspx](http://www.seattleasce.org/committees/diversity.aspx) or contact Diana Giraldo at [dgiraldo@hntb.com](mailto:dgiraldo@hntb.com).

## PSEC Coordinates Engineers Week Activities February 13-20, 2010

By W. Paul Grant, P.E.,  
PSEC Immediate Past President/ASCE PSEC Representative

Founded in 1951 by the National Society of Professional Engineers, Engineers Week is celebrated annually by thousands of engineers, engineering students, teachers, and leaders in government and business. In 1988, the National Engineers Week consortium expanded its scope and now includes more than 100 engineering, scientific, and education societies and major corporations dedicated to promoting pre-college interest in math and science, and engineering as a career option. The Foundation also works to enhance the public understanding of engineering.

Traditionally, Engineers Week falls on the week of George Washington's Birthday. President Washington was the first military engineer and land surveyor, and is considered the father of the American engineering profession.

The purpose of Engineers Week is to highlight our profession to our community, to honor significant achievements of our members, and to note the importance of our profession in the quality of life that our community enjoys.

The Puget Sound Engineering Council (PSEC) is an umbrella organization for many engineering organizations in this region, including ASCE. Here are highlights of some planned activities for Engineers Week and the Seattle Section's participation in these events.

### Engineering Fair

The Engineering Fair is Saturday, February 13, 2010, 10 am to 5 pm, in the side gallery at the Museum of Flight, Seattle.

PSEC will host the 2010 Engineering Fair in conjunction with local chapters of engineering societies and universities. The fair has more than 20 display booths staffed by practicing engineers and technical people representing many engineering disciplines, including mechanical, electrical, civil, aeronautical, and material.

ASCE will have a display booth at the fair again this year staffed by volunteers from the Seattle Section. Our display will include interactive activities such as building structures with gumdrops and toothpicks or straws and paperclips. The volunteers from last year had a great time and enjoyed interacting with the students.

**Anyone interested in volunteering for this year's fair should contact Paul Grant at [pgrant@pangeoinc.com](mailto:pgrant@pangeoinc.com).**



*Popsicle-Stick Bridge Competition contestants at previous Engineering Fair*

In addition to the Seattle Section's display booth, the Younger Member Forum hosts the Popsicle-Stick Bridge Competition at the Engineering Fair, in which over 20 teams of students from regional schools compete in various categories to see who builds the strongest bridge or which team can most accurately predict the maximum load carried by their bridge. The students are so good at this competition that they beat a team of practicing engineers in past years' competition. This is a must see event!

The Engineering Fair is free and open to the public. For more information about the Fair visit PSEC's website at [www.pseconline.org](http://www.pseconline.org).

### Engineer's Award Banquet

The 52nd Annual PSEC Awards Banquet will be Saturday, February 20, at 6 pm at the Museum of Flight, which is a rather fitting venue that features aerospace engineering achievements. This is a unique opportunity to celebrate the profession of engineering and to recognize the extraordinary achievements of our colleagues.

This year's keynote presentation will be provided by Mr. Ron Tober, Deputy CEO with Sound Transit, who will present the current status and future plans for LINK light rail in the Puget Sound area.

Honorees for the evening will include the 2010 PSEC Academic Engineer of the Year, Industry Engineer of the Year, Government Engineer of the Year, Young Engineer of the Year, and Professional Engineer of the Year. This year, ASCE members will receive the following awards:

- Academic Engineer of the Year: Ronald E. Nece, ScD, P.E., University of Washington and University of Illinois

See *Engineers Week* on page 5



- Government Engineer of the Year: Jeremy J. Barbera, formerly with the International Council of Building Officials
- Professional Engineer of the Year: Raymond Walton, PhD, P.E., D.WRE, with West Consultants
- Young Engineer of the Year: Melissa Wu, P.E., with CH2MHill

Please join us at the banquet to honor the awards winners. For more information on the banquet and a link to the registration page, visit [www.pseonline.org/Events/AwardsBanquet/](http://www.pseonline.org/Events/AwardsBanquet/).

## ASCE Seattle Section Executive Board Meeting Minutes

For January 28, 2010

The minutes from the January meeting will be published in the March newsletter.

### Welcome New ASCE Members!

We welcome the following 10 members, who joined the Seattle Section since December 2nd. If you see somebody you know, give them a call!

Maxx Cullen Toyama, S.M.ASCE  
Seattle University

Alyssa Philipps, S.M.ASCE  
Seattle University

Olive Oliveros, S.M.ASCE  
U of Washington

Mr. Matthew Fontaine, P.E., M.ASCE

Mr. Dan Reisinger, S.M.ASCE  
Washington University

Mr. Adnan Shabir, S.M.ASCE  
U of Washington

Mr. Gavin Viriyincy, S.M.ASCE  
U of Washington

Mr. Jeffrey Fellows, S.M.ASCE  
U of Washington

Mr. Surendran Balendra, P.E., M.ASCE

Ms. Martha (Sam) Gibboney, A.M.ASCE

## Legislation for Continuing Professional Development

By Larry Costich, P.E., Esq.

Continuing professional development has long been required for engineers to maintain professional licensing in Washington State. Under WAC 196-27A-020(1)(d), engineers must "maintain their competency by continuing their professional development throughout their careers and shall provide opportunities for professional development of those individuals under their supervision." To satisfy this requirement, Washington professional engineers operate under an honor system, in which the compliance is left to the discretion of each individual. Neither Washington's laws nor regulations offer guidance or specify minimum standards for compliance.

Over the past 20 years, state legislatures and boards of registration have increasingly required a documented system as proof of continuing professional development. Thirty-seven states now require a documented system; these include Oregon, Idaho, and Alaska. Earlier this legislative session, Washington became the latest state to consider such a system when House Bill 2602 was introduced at the request of ASCE members in Southwest Washington. On January 29, 2010, the House Commerce & Labor Committee held its hearing on House Bill 2602, taking testimony from supporters and opponents.

ASCE Seattle Section has long supported a documented program for continuing professional development and endorses House Bill 2602. However, it is recognized that opinions differ on this subject and that further review of a documented program should be undertaken. Many details are yet to be determined, such as content of qualifying courses, process for reporting, number of hours, and compliance audits. In a letter to the Chairman of the House Commerce & Labor Committee, Section President Ron Bard requested that House Bill 2602 be referred to the Department of Licensing for review under the Sunrise Act, Chapter 18.118 RCW. With the benefit of Sunrise Review, the bill could then be reintroduced during the 2011 legislative session.

The Seattle Section is forming a working group of professional engineering organizations throughout Washington to develop a comprehensive position on continuing professional development and participate in the Sunrise Review process. If you are interested in joining this working group or just have questions concerning continuing professional development, please contact Larry Costich ([lcostich@schwabe.com](mailto:lcostich@schwabe.com)).

## REBUILDING TOGETHER 2010

April 24, 2010

By Arthur Fleming

Ready to help an elderly neighbor or small nonprofit with a home repair or cleanup project? Mark your calendar for Saturday, April 24, 2010 and stand by to help ASCE once again stand tall and help provide physical assistance to someone who can't. This year marks the 10th year that the Seattle Section has contributed funds and hundreds of labor hours to provide improvements to a home and family. Typically the goal is to improve personal safety, access, or warmth and comfort in the home.

In March we will need help planning our work and organizing our team. Specifically, we are looking for help with the following roles:

- Volunteer Coordinator (help track and organize this year's volunteers)
- Team Captain (oversee site activities)
- Materials Coordinator (help us purchase or pick up necessary materials)

In 2009, we built two access ramps, painted several interior rooms, replaced some worn flooring in the kitchen and bathroom, tracked down a donated dresser (from one of our members), and performed several other small



*Last year's project added access ramps to this house, along with painting and flooring improvements and other small projects.*

projects around the house. In 2008, we dug out a failing CMU retaining wall, built a nice new concrete block wall, and installed a steel fence and gate. At this point Rebuilding Together has not assigned us a house, but we should be hearing from them in the next few weeks – stay tuned!

If you are interested in helping out, and giving back to our community, please contact Arthur Fleming at (206) 606-5777, or [athurjfleming@aol.com](mailto:athurjfleming@aol.com). Thank you!

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in this Newsletter  
and on the Seattle Section Web Site**

**See advertising details  
on page 2**

## Calendar of Upcoming Events

### Wednesday, February 10, 5:30 pm

#### **Seattle Section Meeting**

Location: McCormick & Schmick's Harborside Restaurant, 1200 Westlake Avenue North, Seattle  
Speaker: David Gilbert, History and Heritage Committee

### Saturday, February 13, 10:00 am to 5:00 pm

#### **PSEC Engineering Fair**

Location: Museum of Flight, Seattle  
Contact: Paul Grant, [pgrant@pangeoinc.com](mailto:pgrant@pangeoinc.com)

### Saturday, February 13

#### **Popsicle Stick Bridge Competition**

Location: Museum of Flight, Seattle

### Saturday, February 20, 6:00 pm

#### **PSEC Banquet**

Location: Museum of Flight, Seattle  
Info: [www.pseconline.org/Events/AwardsBanquet/](http://www.pseconline.org/Events/AwardsBanquet/)

### Saturday, March 6, 8:30 am

#### **History & Heritage Committee Meeting**

Location: Grand Central Bakery, 1616 Eastlake Avenue E, Seattle  
Contact: Cindy Hirsch, (206) 438-2150,  
[Cindy\\_Hirsch@urscorp.com](mailto:Cindy_Hirsch@urscorp.com)

## Employment Notices

To post an employment notice in the newsletter and on the section's web site, please contact the editor in advance of the monthly deadline. Rates for advertising are shown on page 2.



### CIVIL DESIGN PROJECT MANAGER

Tetra Tech is seeking applicants for a Civil Design Project Manager in our Seattle location. This position involves all aspects of project management for small to large-size water resource, levee, dam, and restoration projects for clients who may include USACE, NRCS, BOR, Counties, and Municipalities in the Pacific Northwest. Requirements include a B.S. or M.S. in civil engineering plus 15 years experience.

To see full ad and apply, submit your resume online at [www.tetrattech.com/careers](http://www.tetrattech.com/careers) and search for Job Code: SWW-SPM or email resume to: [darlene.dimic@tetrattech.com](mailto:darlene.dimic@tetrattech.com).

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AMERICAN SOCIETY  
OF CIVIL ENGINEERS

SEATTLE SECTION

