

CIVIL ENGINEER



T H E N E W S L E T T E R

Tacoma ♦ Olympia Section of the
American Society of Civil Engineers



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**CIVIL ENGINEERS MAKE THE DIFFERENCE!
THEY PROVIDE THE QUALITY OF LIFE!**

The **Civil Engineer Newsletter** is published for the Tacoma/Olympia Section of the American Society of Civil Engineers monthly from September to June.

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 prior to publication.

For address changes and corrections, contact the Editor.

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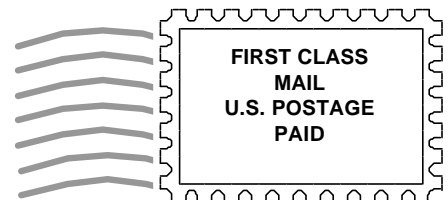
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**CIVIL ENGINEER
The NEWSLETTER**

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MAY MEETING

LUNCH MEETING

**Tuesday
May 11, 1999**

Best Western Tacoma Inn
8726 S. Hosmer

Social: 11:30 AM
Lunch: 11:50
Program 12:20

The program is free to all. The lunch cost is \$15.00 for members, students, half-price.

Design and Construction of New Hyundai Marine Terminal, Port of Tacoma

Speaker:
**Curtis Ratcliffe, Chief Engineer,
Port of Tacoma**

The recently completed Hyundai Container Terminal at the Port of Tacoma provided the South Sound with 300 new jobs and one of the few "post-Panamax" shipping facilities in the United States.

Built on two contaminated sites on the Blair Waterway, the Hyundai Container Terminal required dredging 1.2 million cubic yards of sediment and shoreline materials and creation of two habitat mitigation sites.

The state-of-the-art facility accommodates a train, a 2,000-foot pier, a 60-acre container terminal and six support and maintenance buildings. The six-year planning, permitting, design and construction

project was completed on time and under budget. Come hear the Port's Chief Civil Engineer give us an overview of the project

and a report on it's current status.

Reservations

Reservations for lunch are important. Please call Connie Linden at (253)383-2422 or Mark Leingang (360)754-9339 by the close of business, Friday, May 7, 1999*. This will let us tell the cooks how many to expect. You can also make reservations by E-mailing Mark at MLeingang@MSN.com

Members with reservations who do not attend will be billed.

***NOTE: If you aren't able to call in your reservation by the deadline and you find you will be able to attend, please call anyway. It's better to call late than to just show up because we can let the restaurant know and add another seat.**

Directions

I-5 Northbound: Take Exit #128, right at light.

I-5 Southbound: Take Exit #129, stay in left lane, left at first light onto Tacoma Mall Blvd, left at 2nd light onto 84th Street, drive over freeway, right on Hosmer.

Report on Zone IV Reorganization by Jim Carlsen

At the February 17, 1999 meeting in California, it was resolved to reorganize Zone IV to correct an imbalance in the Director representation. This plan, as described below, gives California the separate District they wanted, gives PNC extra Director representation, and gives the other Sections in the PSC better District representation than presently exists.

The PNC will now have 1-1/3 Director positions. The split Director

position will be rotated with the California District (a new District 13). PNC will get their 1/3 Director commencing in October, 2001. This recommendation will be submitted to ASCE National for adoption.

Another item that surfaced was the need to address the challenges that PNC Director faces with eight active Sections and a few additional branches, and a large geographic representation. A solution would be the appointment of a District Representative. The District

Representative (or Director Representative) would be appointed by the Director with the responsibility to visit and be the an alternative Director contact for several of the Sections and Branches. This would significantly reduce the travel time for the PNC Director.

AWARDS up for Grabs!

This month's mailbag features application forms for the following ASCE Awards:

- * **Government Civil Engineer of the Year**
- * **Gold/Silver/Bronze Engineering Management Award**
- * **Government Employer Recognition Award**

Award applications are now available. If interested, please contact Jim Brigham (JBrigham@GeoEngineers.com).

Sweep!!! Sweep!!! Sweep!!!

The University of Washington Concrete Canoe Team totally and completely dominated the regional competition this weekend in Portland! We won every category: best technical paper, best display, best presentation, best product, and we one EVERY race including Qualifiers, and all by incredible margins! No team has ever won all categories and races before. We also won the overall

President's Corner

JIM BRIGHAM

Hey, it's May!! Makes me feel like waxing poetic, creating bad Mayday puns, dancing 'round the maypole, and/or discussing May flowers, but I won't. All of the Civil Engineers I've talked to recently have been pretty busy, so a column discussing how nice it is outside is probably not a good idea. Why can't we have this weather in December?

Program

Our speaker this month is Curtis Ratcliffe, Chief Engineer for the Port of Tacoma. Curtis will be discussing the Port's brand spanking new Hyundai Terminal which officially opens this month. This project is a great example of how Civil Engineers can recycle brown fields into state-of-the-art facilities by using vision, patience, and perseverance. The project received an honorable mention from CECW. This promises to be one of our best talks of the year, so don't miss it.

Mow Your Lawn Night

Note that the May meeting will be a LUNCH meeting. We tried this in January and had excellent attendance. This way everyone will have time to mow their lawn after work.

Ballot

Enclosed is an election ballot for next year's board of directors. Special thanks are due to our webmaster and past president, Richard Swanson, who has volunteered for another tour of duty as President-Elect. Please vote for the candidates of your choice and return the ballots by **MAY 23, 1999**.

Younger Members

We are still looking for a volunteer to serve as our Younger Member Chairperson. This position should be filled by a younger member interested in serving as liaison and coordinator with the ASCE student chapters in our section. If interested, please E-mail or telephone Rebecca Vader using the information on the front cover.

Feedback

Your feedback is always welcomed and can only make this newsletter and your President more useful. Please address questions, comments, statements, and opinions to JBrigham@GeoEngineers.com

conference award for the second consecutive year. The national competition is in Florida in June and we have a great chance of taking the national title this year after having made significant improvements over the product, presentation, and racing effort that placed us 5th nationally last year.

We again want to thank everyone who has supported our team. We will keep you informed of our performance at Nationals!

Marc Malsam ASCE UW Vice President
University of Washington Concrete Canoe Team Captain
Department of Civil Engineering
Pager/voice: (206) 907-0840

Book Review

This book was recommended to me by our speaker this month, Curtis Ratcliffe.

Undaunted Courage: Meriwether Lewis, Thomas Jefferson, and the Opening of the American West by Stephen E. Ambrose; ISBN: 0684826976 From Booklist:

For decades, biographer Ambrose had nursed an ambition to chronicle the "Corps of Discovery," as Lewis and Clark styled their ventures. Hitherto detained by opuses on Ike, Nixon, and D-Day, Ambrose here loosens the reins to his admiration of the duo's fearlessness and skill in braving the unknown, an exploration of which had sunk into obscurity in the 1800s but has since ascended to iconic status in American history. Framed as a biography of Lewis, this work relies heavily on both Lewis' and Clark's famed



journals, backed up by the author's personal travels along the Missouri River route from St. Louis to the Pacific. A stimulating tour guide, Ambrose paces the mundane so well with the unusual that readers will be entranced. Not content as a mere recorder of deeds,

Ambrose often pauses to assess the military leadership of the explorers, how they negotiated with the Mandan, Sioux, or Nez Perce, and what they reported to Jefferson. Ambrose's epic, a combination of rhapsody and reality, feels like a final glimpse at a pristine Eden before the crowd of trappers and settlers altered it forever.

Positions Wanted/Positions Open

Resume Policy: Our section newsletter will provide free space for ASCE students and members to advertise their qualifications. The resume information needs to be received by the 20th of the month to make the next newsletter. If you still don't have a job, send it again the next month. The resume information is limited to: name, Engineering degree/year, position desired, years of related experience, membership status, ASCE section, address to obtain more information, and daytime Phone. Please send information to JBrigham@GeoEngineers.com

Position Open: GEOTECHNICAL ENGINEER



<http://www.asce.org/>



From the Internet:

Name Post jbrown posted 04-22-99 11:51 PM ET (US)

Seven large public agencies on the West Coast recently completed an in-depth look at capital program engineering efficiency. There were several interesting findings. I am curious to know whether there are any private firms in the business of managing capital programs for public agencies which would be interested in providing some actual project cost data for comparison with the seven agencies. If so, please reply. jbrown@ebmud.com.

Civil Engineering Speakers Sought for MESA Program

Tacoma/Pierce County (TPC) MESA (Mathematics, Engineering, Science Achievement) is a pre-college program dedicated to promoting academic achievement, interest and readiness for underrepresented K - 12 students (African Americans, Hispanics, American Indians and women) in preparatory course work leading to a college education and subsequent careers in mathematics, engineering and science. The mission of the TPC MESA Program is to provide enriching opportunities in mathematics, engineering, and science for under-represented students in grades K - 12 using exemplary materials and instructional approaches. We accomplish this through a partnership of higher education, school districts, industry and business, government, community organizations, families, and alumni.

We cordially invite you to become a partner by being a guest speaker for MESA students in their classes/clubs. TPC MESA is currently active in the Tacoma, University Place, Steilacoom, Clover Park, Franklin Pierce, Bethel, North Thurston, and Olympia School Districts. We are excited about the great possibilities that await our MESA students this year and hope that you will join us in this opportunity to provide them with a real-world view of careers in mathematics, engineering, and science.

If interested please contact Rebecca Vader or Michael Hale using the information on the front cover.

ASCE Annual Calendar

Our section holds open meetings once a month from September through June. Meetings are typically held on the second Tuesday of the month, but can vary for special speakers or joint meetings. Locations alternate between Tacoma and Lacey and times vary between lunch and dinner meetings.

Our preliminary schedule is shown below. Please check our web page or contact a house chair for firm information one week prior to each listed meeting. Or, for a monthly meeting announcement and newsletter mailed to your address, please join the Tacoma-Olympia Section (in addition to the national organization).

Seattle Section information for the 2000 Convention is included below.

May 11 Dinner – Curtis Ratcliffe, Port of Tacoma, Hyundai Terminal

June 8 Lunch – St. Martins - Verne Moore, Weyerhaeuser Dupont Environmental Remediation

September 14 – Tacoma- Ken Buss, GeoEngineers, Kelso Landslide (possible Field Trip on September 18).

October 12 – Seahawks Stadium

The local Board conducts open meetings, generally the first Wednesday of the month at 5:30 PM. Locations vary, so please contact the President for the location if you would like to attend a Board meeting.

PELP Programs

For additional information about these or other PELP courses, or to have your name added to the course announcement bulletin mailing list, contact Ron Bucknam, PELP Program Director. PELP Program Director, at 206/543-1178; fax: 206/685-3836; or E-mail: rbucknam@u.washington.edu.

All courses will be held on or near the University of Washington campus, unless noted otherwise.

To register for a course, please call Engineering Professional Programs at 206/543-5539. Early registration fees are applicable until two weeks before commencement of the scheduled course. Additional information is available on the internet at:

<http://www.engr.washington.edu/epp/Pepl/peplcal.html>

Spring 1999 Course Calendar

Design and Retrofit of Culverts for Fish Passage in the Northwest

May 12 and 13, 1999: 8:30 a.m. - 4:30 p.m. \$345 (early registration)/\$375

Seattle Section Hosts 2000 Convention Tacoma/Olympia Section to plan Field Trips

The Seattle section has begun planning for the October 18-21, 2000 Convention. The Tacoma/Olympia section wants to support this effort by taking charge of ancillary activities such as field trips (to Tacoma & Olympia of course) and other interesting places. Members wishing to contribute effort, ideas, or information may contact any board member for more information. The Seattle section holds a monthly planning meeting and welcomes anyone wishing to participate in their effort to attend. Our chairperson for the ASCE Convention is Tina Nelson (253) 591-5765. You can get more information by accessing the Tacoma/Olympia Section