

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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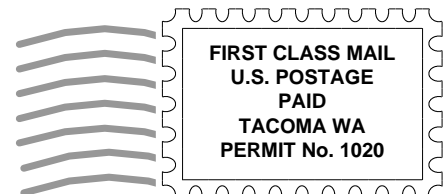
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**CIVIL ENGINEER
The NEWSLETTER**

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MARCH MEETING

Sound Move: The Ten-Year Regional Transit System Plan

LUNCH MEETING
Wednesday, March 10, 1999

Social: 11:30 a.m.

Lunch: 12:00
(Turkey & dressing) \$7.00
Students, half price

Program 12:20 p.m.
Free to all

Joe Gildner, Sound Transit
(Central Puget Sound
Regional Transit Authority)

In the November 1996 general election, voters approved local financing for *Sound Move*: The Ten-Year Regional Transit System Plan, launching a challenging and ambitious regional effort to implement the services and facilities detailed in the plan. *Sound Move* is a comprehensive regional transit plan made up of more than 100 separate, but interrelated capital and service projects. Each project will have a life of its own, yet all the pieces must fit together. The Regional Transit Authority is responsible for implementing *Sound Move*, but it is going to take the hard work and cooperation of many people, jurisdictions, agencies, and public and private partners to transform vision into the reality of better mobility for the people of our region. Come hear Joe Gildner give us an overview of the project and a status report on current progress.

Reservations

RSVP by the close of business, Monday, Mar. 8th, to Connie Linden at (253) 383-2422 or Mark Leingand (360) 754-9339, or E-mail Mark at his NEW address: mleingang@msn.com. If you forget to call in your reservation on time, please call anyway. It's better to call late than not to call at all and then show up. All members with reservations who do not attend will

be billed.

Directions

To McChord AFB

Take I-5 Exit #125 (Bridgeport Way) and drive east to McChord Main Gate. From Gate, drive 2 blocks to railroad tracks. Cross tracks and turn left into NorthWest Connections Club parking lot.

The gate officer will be notified that the meeting is taking place but, depending on the alert status of the base, you may be required to show your drivers license and vehicle registration to enter the base. Please allow a little extra time for this.

Welcome New and Transferred Members

The Tacoma-Olympia Section welcomes new and transferred members that were assigned to our section during the last year. You and your guests are always welcome at all of the section activities. If you have not already done so, we invite you to support these activities by joining the section. Our section has also attracted the volunteer services of engineers of both genders, in all stages of practice, working in public and private occupations, and from both the Tacoma and Olympia area. Opportunities abound for everyone to participate and we urge you to come check us out.



Civil Engineer, The Newsletter

Your thoughts announcements, articles, essays, and letters to the President or editor are welcome at any time. Deadlines are the 20th of the month, with distribution by the first week of the next month. Contributions submitted to the President before the 20th of the month will definitely make the next newsletter, and after that, you

2000 Convention Planning is Underway-Seattle Section Hosts

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 Home page at: <http://www.asce.org/gsd/sections/tacoly/tacoly.htm>

Engineering Ethics on Video!

ASCE has made a new video available for loan to Section and Branch Presidents. The video, *"Testing Water...and Ethics,"* was produced by the Institute for Professional Practice and depicts a realistic ethical engineering problem within an organizational setting.

As engineers, we are tasked to use our skills and knowledge in ways to benefit and protect the health, safety, and welfare of society. The American Society of Civil Engineers' (ASCE) Code of Ethics, Fundamental Principles states that *"Engineers uphold and advance the integrity, honor and dignity of the engineering profession...being honest and impartial and serving with fidelity the public, their employers and clients."* and acknowledges that most engineers are employees, working within an organizational structure.

This video fosters awareness of ethical problems, increased sensitivity to ethics, and models successful ways for an engineer to handle an ethical problem.

We will make this video available to interested firms in the section. Why not plan to view it in a joint meeting with another firm in your area? If interested, please contact Jim Brigham (jbrigham@GeoEngineers.com). Since the video is being provided at no cost, it must be returned about five business days



President's Corner

JIM BRIGHAM

Joint Meeting This Month

Well as you all know, February blew in like a lion and stayed that way. My sunglasses may be getting moldy but the air outside sure is clean and refreshing.

This month we resurrect our joint meeting with the Society of American Military Engineers at McChord AFB. This will be a lunch meeting on March 10 (which happens to be my birthday) at the McChord Officers Club. Our speaker will be Joe Gildner of Sound Transit. The Central Puget Sound Regional Transit system promises to be one of the largest civil engineering projects ever constructed in Western Washington (use your own yardstick) so it should be interesting. Please plan to join our military colleagues for this one.

Zone IV Meetings

Several of our board members have been away at Zone IV meetings this past week and weekend. Jim Carlson attended the redistricting meeting representing the Tacoma-Olympia Section. I understand that it was decided to make the State of California District 13, with the Pacific Northwest remaining unchanged as District 12. Four of the five Zone IV directors will come from (1 each) Los Angeles, San Francisco, District 11, and District 12. The 5th director will rotate on a 3 year basis, Zone 13 (excluding LA and SF) for 2 years, and Zone 12 for 1 year.

Rebecca Vader and **Chris Beckman** attended the Zone IV meeting representing our section. The meeting by-laws for the Zonal nominations required a 75% majority to recommend a candidate for president-elect to our national organization. Rebecca reports that **Bob Chuck** received 34% of the votes while **Bob Bein** received the remaining 66%. Both names were sent to the national body.

Hot Issues

The Zone IV management conference discussed many issues, the hottest being the proposed masters degree entry level requirement. Rebecca reports that the issue is very controversial and around 95% of the delegates are opposed to it. Current students were especially unhappy. The general feeling was that while a masters degree may be necessary for certain specialties like Structural or Geotechnical, other measures such as, internship or better preparation at the high school level may be more appropriate.

Feedback



Please address questions, comments, statements, and opinions to Jim, Rebecca, Chris, or me at the March meeting or by E-mail or telephone using the information listed on the

front cover. Your feedback is always welcomed and can only make this newsletter and your President more useful.

Jim Brigham, President
Tacoma Olympia Section
JBrigham@GeoEngineers.com

p.s. When sign makers go on strike, is anything written on their signs?

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

Wanted: GeoTechnical Engineer & Environmental Field Technician

GeoEngineers, a NW-based environmental, geotechnical and geological engineering consulting company is looking for a **Geotechnical Engineer** to join our Tacoma office and an **Environmental Field Technician** for our Redmond office.

GeoTechnical Engineer

Primary responsibilities will include field exploration, data collection, construction monitoring with report writing responsibilities. BA/BS in Civil Engineering is required and MS in Geotechnical Engineering with 1-3 years related consulting experience is strongly preferred.

Environmental Field Technician

Primary responsibilities will include water, soil and vapor sampling, remediation system monitoring, field exploration and field report writing. High school or equiv. with 1-2 yrs. related field experience, formal environmental technician training with a mechanical/electrical inclination and the ability to read blueprints/schematics are preferred. Travel may be required. Please send your resume to: GeoEngineers, Human Resources, 8410 154th Ave NE, Redmond, WA 98052. No Calls Please. Equal Opportunity Employer

1999 CERF Awards Charles Pankow Award for Innovation



Award applications are now available. As you may know, the award was established in 1996 to complement existing industry awards and recognizes organizations that work collaboratively to bring innovative civil engineering ideas into practice.

In an effort to increase recognition for innovation in the profession and reach as many qualified individuals/organizations as possible, the applications are available to any individual who you know has collaboratively developed an innovative technology or process. If

BRIDGES ACROSS AMERICA

Competition for Grades K-12!

- | | | |
|-----------------------|-----------------------|---------------------------|
| • Registration Form | 5. Support | 10. Winners & Next Step |
| 1. Schedule | 6. School Levels | 11. Competition Locations |
| 2. Contest Levels | 7. The Competition | 12. Tips |
| 3. Objectives | 8. Spread the Word | 13. More To Come |
| 4. Rules & Parameters | 9. Testing Procedures | • Press Releases |



Now - November 1999

Schools register for competition via K'NEX web site

September 1999 - January 2000

Schools study bridge concepts

Community engineer visits

February 2000

National Engineers Week

School-level Competition Kick-off

March 2000

District-level competitions

April 2000

City-level competitions

May 2000

Zone-level competitions

June 2000

National-level competition

Get kids interested--

Looks like fun!

www.knexeducation.com/bridgecontest.html

Or Link from the ASCE Web Page!

BOOK Review: Deja vue BUILDING WASHINGTON

By Paul Dorpat and Genevieve McCoy



Yes, I know this was in our February issue but a book of this magnitude bears repeating.

At our January meeting, Bob Moorhead announced that this book is finally available. Originally planned by APWA to commemorate our state centennial in 1989, the book has grown into a 523 page history of public works construction in Washington State. The book contains over 1,400 photographs and is both a history of Civil Engineering and a history of the state which the authors have made readable and interesting. This book was reviewed in the Seattle Times Lifestyle section on January 10, 1999. You can order it using the form below.

Published by the Washington State Chapter, American Public Works Association First Edition limited to 3,000 copies Cost: \$50.00, plus \$4.30 Washington State Sales Tax (includes delivery via UPS) Net proceeds benefit the Washington State Chapter APWA Scholarship Fund

Make check for \$54.30 payable to APWA Foundation

Mail orders to: Kato & Warren
2003 Western Avenue, Suite 555
Seattle, WA 98121

Name _____

Address _____

City, State, Zip _____

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).

We have also included the Seattle Section meeting for your information - Contact HLA @ 425-990-4164 for further details.

March 10 Lunch – McChord AFB- Joe Gildner, Sound Transit - Joint Meeting with SAME

April 13 Dinner – St Martins - OLD TIMERS NIGHT, Nick Handy, Port of Olympia, Cliff Webster, AELC

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

Groundwater Monitoring for Water Purveyors

March 17 and 18, 1999:
8:30 a.m. - 4:30 p.m. \$345 (early registration)/\$375

Alternative On-Site Stormwater Management Techniques

March 25 and 26, 1999: 8:30 a.m. - 4:30 p.m. \$345 (early registration)/\$375

Stormwater Treatment by Media Filtration

April 7 and 8, 1999: 8:30 a.m. - 4:30 p.m. \$345 (early registration)/\$375

Quaternary and Engineering Geology of the Central and Southern Puget Sound Lowland

April 15, 16 and 17, 1999: 8:30 a.m. - 4:30 p.m. \$380 (early registration)/\$420

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

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

