

Nancy Searle  
950 S. Locust Ln  
Tacoma WA 98465



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Civil Engineer Newsletter is published monthly from September to June 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.

to

# Tacoma Olympia Section ASCE Civil Engineer THE NEWSLETTER



FEBRUARY 2003

## February Meeting

FRIDAY February 21

## Engineering Week with St. Martin's College

Program: Wide World of Bridge Design

St. Martin's  
Worthington Center  
(directions on website)

6:00-6:30pm  
Wine & Cheese Social:  
7:00pm  
Dinner: Baked Cod/  
Baron of Beef:

Dinner  
\$20/person-\$35/couple\*  
1/2 price for students\*

**NOTE: special rsvp  
RSVP by eod Feb 18<sup>th</sup>  
Jeannette Banter  
360.438.4320  
jbanter@stmartin.edu**

Note: Members with reservations who do not attend will be billed.

## The Wide World of Bridge Design

Speaker: Mr. David Goodyear. PE, SE  
Senior Vice President, TY Lin International

Mr. Goodyear has led design efforts for a variety of major bridge engineering projects including erection engineering for the Charles River Bridge in Boston, the Cape Girardeau Bridge in Missouri, and the Greenville Cable-Stayed Bridge in Mississippi. Mr. Goodyear led the TYLI design team for the cable-stayed alternative on the new San Francisco East Bay Bridge, and TYLI's support of the Tacoma Narrows Bridge design and quality control services for the State of Washington. Mr. Goodyear was engaged by the State of Washington to lead an independent panel of experts after the Nisqually Earthquake that hit Seattle in 2001, conducting a review of the Alaskan Way Viaduct, and reporting on the seismic risk and seismic safety issues for continued operation of the Viaduct. Mr. Goodyear directed the design of the new 4th Avenue Bridge in Olympia, and is currently chief bridge designer for the new crossing of the Colorado River, below Hoover Dam.

## From asce.org

[tp://www.asce.org](http://www.asce.org)

**DESIGN A VIRTUAL BRIDGE AND  
WIN A \$15,000 SCHOLARSHIP!**



West Point Bridge Design Contest  
**bridgecontest.usma.edu**

The West Point Bicentennial Engineering Design Contest is a nationwide competition intended to promote math, science, and technology education in U.S. elementary schools. The contest provides students with a realistic introduction to engineering through an engaging, hands-on design experience. All U.S. students in Grades K through 12 are eligible. Contestants may compete individually or in teams of two.

- \* Design a bridge using the award-winning West Point Bridge Designer software. (It's a free download!)
- \* Upload your design to the contest website for automated judging.
- \* Receive instant feedback on your standing in the contest.
- \* Enter as many times as you like.
- \* Prizes include cash scholarships of \$15,000, \$10,000, and \$5,000 for the top three finishers. (Scholarships can be used at any school.)



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[lancia2u@yahoo.com](mailto:lancia2u@yahoo.com)

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[conniel@baselinetacoma.com](mailto:conniel@baselinetacoma.com)

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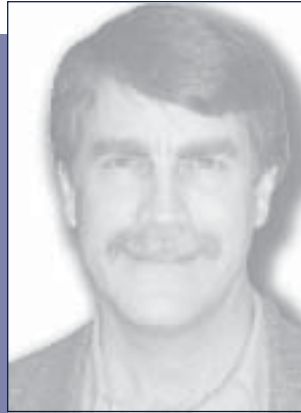
Nancy Searle...253.564.5885  
[dekedesigns@aol.com](mailto:dekedesigns@aol.com)

### WEBmaster

Richard Swanson...360.455.3161  
[RSwanson@skillings.com](mailto:RSwanson@skillings.com) or  
[richardswanson@attbi.com](mailto:richardswanson@attbi.com)

# President's Corner

Chris Beckman  
lancia2u@yahoo.com



I don't know about you, but January has been flying by for me. It is hard to believe we are only three weeks away from National Engineer's Week for 2003.

Last month I reminded members about the local Section dues that can easily be included in your membership renewal to National. I was pleasantly surprised to see such a good turnout at January's meeting. The program topic about the Narrows Bridge has held my interest for several years and perhaps it has done the same for many other members. Speaking of bridges—I also encouraged members to purchase a ASCE "Bridges 2003 Calendar", replete with fine photography of classic and newer bridges across the nation and in other countries as well.

In that same vein is the speaker for this month's meeting. His presentation is titled "The Wide World of Bridge Design". To complete a "quadruple header" I am passing along some information received from National on this year's student bridge design contest.

**We are doing it again....and we need your help!!!!**

As the primary sponsor, ASCE is pleased to announce the opening of the second annual West Point Bridge Design Contest (WPBDC). The contest is a realistic, internet based, hands-on competition for middle and high school students, designed to develop excitement and interest in engineering activities. This contest is specifically aimed at promoting math, science, and technology education in U.S middle and secondary schools. Contest participants must be at least 13 years old at the time of registra-

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tion and must be enrolled in middle school or high school in the US. The qualifying round of the contest runs from January 11 to April 10, 2003. The contest is free. For more information on this exciting contest and to download the bridge design software go to <http://bridgecontest.usma.edu>.

Prizes:

- Each member of the first place team receives a \$15,000 scholarship.
- Each member of the second place team receives a \$5,000 scholarship.
- Each member of each team that successfully completes the Final Round receives a notebook computer.

Although we have mailed information packets out to middle and high schools across the US, we need your help to spread the word about this outstanding contest to schools, youth activity groups, Girl/Boy Scouts, after-school activities, or any other student organization. Any assistance with this

communication or other help that you can give to students & teachers is appreciated.

ASCE Sections/Branches/Student Chapters/Clubs/members who are interested in hosting local contests of the WPBDC should contact Jim O'Brien, ASCE's Senior Director of Education & Diversity, at [jobrien@asce.org](mailto:jobrien@asce.org) or (703) 295-6055 for information.

Enough said!

Regards

—Chris Beckman  
2002-03 President  
Tacoma/Olympia Section

## TRANSPEED Courses

The Winter/Spring TRANSPEED Schedule Please view our website at <http://www.engr.washington.edu/epp/transpeed> for specific course descriptions and dates. Questions? Call:

Christy Pack  
TRANSPEED Program Coordinator  
UW Engineering  
Professional Programs  
10303 Meridian AV N #301  
Seattle, WA 98133  
1.866.791.1275 toll free  
206.543.5539 206.543.2352 FAX

Below is a list of the upcoming courses.

**Storm Water Engineering for Transportation Professionals**  
Feb. 11-13, Seattle

**Construction Inspection of Public Works Projects**  
Feb. 24-25, Vancouver

**Public Works Construction Project Management**  
Feb. 27-28, Vancouver

## Community Impact Assessment Workshop

April 8-10, 2003

WestCoast Grand Hotel at the Park  
Spokane, Washington

Mark Your  
Calendar!



Connecting With  
People Today For A  
Well Designed Tomorrow

Federal Highway Administration  
Department of Transportation

### Connecting With People Today

Mark you calendar for April 8-10, 2003 and be sure to check the website for details:  
[www.engr.washington.edu/epp/cia](http://www.engr.washington.edu/epp/cia)

### For A Well Designed Tomorrow

Some Workshop Topics and Speakers:  
Engaging Low-Income and Minority Populations Anne Morris  
Upbeat Communications Linda Greep  
Building Stronger Social Bonds by Creating Public Spaces that Work Fred Kent

### For Answers Contact:

Jan Kvamme, University of Washington,  
206-685-9636  
[kvamme@u.washington.edu](mailto:kvamme@u.washington.edu)

## Section Calendar of Events

Feb. 21 Lacey Engineering Week with St. Martin's College/other prof. orgs.

\*March 5 or 19 Ft. Lewis Joint meeting with SAME Ft. Lewis Golf Club House USGS Underwater Survey Puget Sound

\*April 8th Lacey Honors & Awards night AELC legislative update, Life member & Fellows recognition

\*May 13th Tacoma Program/Location to be announced

Feb. 14 Valentine's Day  
Feb. 16-22 National Engineers Week  
Feb. 17 President's Day Holiday

\*DATE/TIMES/LOCATIONS ARE TO BE VERIFIED

Section Meetings are open and held once a month, September through June. 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.

## 2003 Winter/Spring Professional Development Course Calendar

Please log onto the web site <http://www.engr.washington.edu/epp/cee/ntc> for a complete description of the course and registration information, or call us at: Engineering Professional Programs University of Washington phone: 206.543.5539 or (toll free) 1.866.791.1275

New Technologies and Concepts in Stormwater Treatment Feb 5 & 6, Seattle

How to Evaluate and Condition Wetland and Mitigation Design Plans -NEW- Feb. 12 & 13, Seattle

Geology and Geomorphology of Stream Channels March 5 & 6, Seattle

How to Improve Stormwater Management Using Low Impact Development Practices -NEW- April 9 & 10, Seattle

Quaternary and Engineering Geology in the Puget Sound Lowland May 1 & 2, 2003, Seattle

Infiltration Facilities for Stormwater Quality Control May 14 & 15, Seattle

Biological and Ecological Assessment and Habitat Monitoring -NEW- June 4 & 5, Seattle

For Management/Organizational Success Professional Development Short Courses, please see the website.