

# 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 May.

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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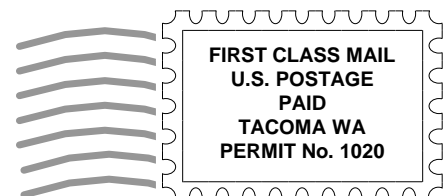
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**CIVIL ENGINEER  
The NEWSLETTER**

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# NOVEMBER MEETING

## DINNER MEETING

### 4th Street Bridge Replacement, Olympia

St Martins Worthington Center  
Lacey, Washington  
**Tuesday, November 9, 1999**

Social: 5:30 – 6:00 pm

Dinner: 6 – 7 pm

Chicken w/sautéed mushrooms, rice and veggie  
includes desert

Program 7 pm

The program is free to all.

Dinner cost is \$20.00 for members,  
and students half-price.

Speaker: **Mr. David Goodyear** of DGES  
and TY Lin International

**P**lease join the Board of Directors of  
the Tacoma/Olympia Section in  
welcoming Mr. David Goodyear of DGES  
and TY Lin International, as our Guest  
Speaker for the November Section Meeting.

Mr. Goodyear is President of DGES and Senior Vice President of TY Lin International. His accomplishments are too numerous to mention in this brief biography. He is a **specialist in the design and construction of cable-stayed and segmental structures**. He is the author of award winning bridge designs and value engineered redesigns for the transportation industry, with experience that covers the full spectrum of bridge design, from small stream and pedestrian crossings to the largest cable-stayed bridges. He is recognized as an authority in LRFD design in concrete. Mr. Goodyear was one of the first structural engineers to use the LRFD approach in the design of the Crooked River Bridge in

Oregon, and again in his review of the free cantilever segmental bridge design at Screwtail near Phoenix, Arizona. Mr. Goodyear has authored a unique special purpose segmental concrete and cable-stayed bridge analysis and design program **PCSEG**. His program has recently expanded to include 3D and is integrated with AutoCad.

In addition to all of this, Mr. Goodyear is active in several professional societies and licensed in 17 states. He is a remarkable individual and we are fortunate to have him come and give his presentation on the 4<sup>th</sup> Avenue Bridge Replacement.

### Reservations

Please make your reservations to Connie Linden at (253) 383-2422 or Dr. Igharo at (360) 438-4322, by close of business, **Friday November 5, 1999**. It is very important for us to receive an accurate count for catering and room reservation purposes. We regret to inform you that those making reservations for dinner, but who are unable to attend will be billed for the event. If you miss the reservation deadline, please call Connie or Dr. Igharo anyway. It is better to indicate that you will be attending, than to show up without a reservation.

### Directions to St. Martin's Worthington Center

**From Tacoma:** I-5 south to Martin Way (Exit 109); bear right to College Street (the next signaled intersection); turn left on College; travel south to Pacific Avenue; turn left on Pacific to the entrance to Saint Martin's Pavilion on the left.

**From Olympia:** Take either Pacific Avenue to Saint Martin's or I-5 north to Sleater-Kinney/College Street (Exit 108); continue to College Street; turn right and proceed to Pacific Avenue.

### A Reminder:

#### ASCE Web site

The American Society of Civil Engineers (ASCE) has a web site featuring 27 of its journals, which will be accessible **free of charge until** January 2000 when full access to the site becomes accessible only to paid subscribers. Web browsers can search 1999 ASCE journals along with the 80,000 bibliographic records of the Civil Engineering Database (CEDB). The site allows desktop access to technical information, a broad range of content across 27 engineering specialties, custom search capabilities and desktop article delivery. Visit it at: <http://www.pubs.asce.org/journals/jrms.html>

Remember, the Tacoma-Olympia Section Home page can be found at:  
<http://www.asce.org/gsd/sections/tacoly/tacoly.htm>



Perhaps it is best if I do not try to write an inspiring column when my resources are at a low point. I have a cold and I am grumpy. I want those around me to be sensitive to me and responsive. In short, I am indulging in behaving badly. I can repent later or I can pretend that I really wasn't a pain.

The thing that landed me in this shape is my association with my husband. He gained the scourge in the traditional manner—he picked it up at work. But the way he landed it is classic. He was in a van for a week with several others from his office and, as hard to fathom as it may be, one of the other participants in the adventure was sick and simply could not miss the trip. Though it was quite a hardship to be in the van all week in this piteous state, they endured and managed to infect at least Bernie.

Now here am I with weeping eyes, dripping nose, hoarse voice and pounding head (at work). I justify my situation in a similar classic vein. I have my own office and may not necessarily infect my fellow workers. I have so many things to do (including this newsletter).

It is true that when ill it is best to stay at home, but I know lots of engineers who keep coming to work with temperatures, coughs, you name it. Of course, I am “Holier than Thou” when someone (besides me) comes to work sick. It appears to be one of life's little dilemmas for me. Now I am all out of sorts for my article (because I procrastinate and it must be completed now). I guess that I should apologize in advance and tell you that whatever the content of this article, I do not mean to offend any one.

### Meeting/Program Attendance

This past month I have had several things on my mind. I really do want to see more participation within our Section. I was disappointed in the turnout for the October meeting. The attendance wasn't bad, but I had hoped for better (maybe twice or three times as many). I feel that the stadium topic as presented by Jim Kelley, Vice President of First and Goal was a very timely, interesting program that had a lot of appeal. I am certain that cost for the dinner was not a factor to keep attendance down. The location was easy to get to from all points in the section. So, what is the deal?

### Improved Communication

I do realize that most of us are very busy. I think that timing of notice for the meetings may be a factor. I know that I have been caught unaware, with notices posted a week prior to the event and sometimes I can't fit the section meeting into my completed schedule for the upcoming week. We will continue to improve our communication within the section to try to work out the obvious snares that may be preventing or hampering the

ability of the membership to attend. If, as I suspect, short notice has been a problem for you to attend the Section Meetings, watch the Up-Coming Events Section in the Newsletter. This section will give better warning of up-coming events as well as Section and Board Meetings.

### Looking for More

It is probably my cold that is causing me to be unusually pessimistic. I am concerned that when we have done all that we can think of to increase attendance at Section Meetings and develop a new or expand an existing service program, we will realize that we are still working with the same limited resources. I think that the reason for this is that we have two groups within our section. There are those that belong to ASCE National and there are those that also support the local ASCE Section. While it is true that we are all members of a potentially influential group (ASCE), we do not all have the same view or expectation from the membership. ASCE is very service oriented at the National level. ASCE is seeking to provide the members with affiliation and benefits that will make it worthwhile to belong to and pay the membership dues. It is appropriate for the National organization to provide the member services and capitalize on the power of the numbers in our global membership. ASCE asks monetarily of the individual to become a member. The local Section has modest voluntary dues and asks for monetary support but we are looking for more.

We are looking for community with our fellow engineers. We are looking for a forum where we can meet socially as well as to discuss topics within our profession that are important to us as practicing engineers. The First Professional Degree is just such an issue that we were able to “hash” out at our October Section Meeting last year. We are looking for commitment to the promotion of Civil Engineering within our community. I believe that the enhancement of our image will come from our visibility in the community. A large segment of our society knows that Civil Engineers solve problems and design necessary facilities for the well being of our communities. Maybe we can further our image as a group by having a public/personal profile to complement the abstract/faceless image that we have. We have a huge wealth of diversity with in our 550 Section members and even greater diversity among all of those practicing Civil Engineering in the greater Tacoma/Olympia area. We are not always going to agree on issues, but we can certainly provide intelligent, respectful dialogue and opinions that will help shape our direction and goals.

I believe that by meeting and interacting with one another, we can make our Tacoma/Olympia Section of ASCE as vibrant and energetic as any Section across the nation. As a group, within our profession, we have a very real opportunity to lift the image of ourselves, and our profession. We can do this in a variety of ways. An excellent starting point is within ASCE and our local Tacoma/Olympia Section. Please consider getting more involved in our local section, attending the meetings can be the beginning to find out more about what we have going on and realizing our potential in our community.

### Feedback



Your feedback is always welcomed and can only make this newsletter and your board/officers more useful. Please address questions comments, statements, and opinions to [kathyhargrave@sitts-hill-engineers.com](mailto:kathyhargrave@sitts-hill-engineers.com)

Kathy Hargrave, President  
Tacoma Olympia Section

*Leading the Race in Engineering Management  
and Technology: Report on ASCE's 1999 Annual  
Conference and Exposition  
October 17-20 in Charlotte NC*

When's the last time you got excited about your profession?

Well folks, that's one of the reasons why I go to our annual conferences and meet our colleagues. I come back full of energy, ideas, and a desire to "give more" to the many communities that I belong to.

#### Community One

##### **The Engineering and Business Practices Task Committee:**

ASCE has hundreds of opportunities for you to grow and shine. As a member of the Engineering Management and Business Practices Committee, I spoke at the Younger Member's Leadership Symposium on "What they didn't teach you in Engineering school". It gave me the chance to meet all kinds of wonderful up and coming engineers that are anxious to know how to find jobs, what classes prove to be the most useful as a practitioner and would all make good hires.

The Committee also asked me to facilitate a session on "Mitigating a Troubled Project" Three attorney/engineers from Price Waterhouse Coopers, LLP. gave tips on trends to watch for in your billings. Is there a sign of crisis, a flag to help prevent a claim?

#### Community Two

##### **The Civil Engineering Profession**

Our compatriots continue to talk about:

- Engineering Ethics
- Growth and the need for CE's in the coming millenium (there's going to be a high demand and the number of graduates continues to decline contributing to higher income levels and more flexible benefits)
- The Master's degree as the First Professional degree (ASCE's Board has chosen to support the CONCEPT of the Master's degree as the first professional degree). Our newsletter has talked about this at great length in the past. The most convincing argument for me is that those people that accredit bachelor degree programs are continuing to support the limiting the number of credits it takes. The average is now about 125 which is down from the 140 required 10 years ago, not to mention that the quarters are getting shorter! Civil Engineering educators are supporting the policy too. It's not something that's apt to happen in the next five years but we need to be futurists and look to the future. What will be happening in our profession 10-20 years from now? There are older members of our organization who got their PE's without ever sitting for an exam. The bottom line for me, change happens, and based on the climate in academia, it seems like the correct path.

#### Community Three

##### **The Tacoma-Olympia Section**

While away, I learned of Wes Taft's passing. Wes touched many of our lives and was part of Washington's Licensing Board and our own Section's Board of Direction. Wes will be remembered and missed.

#### Community Four

##### **The City of Olympia:**

When I returned from my trip I was introduced to a new City employee. Mr. Michael Mucha joined the executive ranks of our fine city as the Public Works Director. Mr. Mucha is a licensed engineer and an active member of ASCE's Committee on Professional Practices. What many people on our staff didn't know is that because of the networking ASCE offers, I knew Michael and his fine bow ties long before he came to Washington. It really is a small world!

So, go out there, find a reason to be excited about what you do; instruct, learn, build relationships, find something that makes you proud to be an engineer.

—Barbara Proft

#### 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 [kathyhargrave@sitts-hill-engineers.com](mailto:kathyhargrave@sitts-hill-engineers.com)

#### ASCE Upcoming Events

Section meetings: open meetings held once a month, September through June, generally meeting on the second Tuesday of the month. Locations alternate between Tacoma and Lacey and times vary between lunch and dinner meetings.

December 1, 1999  
**Board Meeting** Olympia

December 8, 1999  
**Section Meeting**  
Seattle / Joint meeting with  
Seattle Section

January 5, 2000  
**Board Meeting** Tacoma

Local Board: open meetings, generally the first Wednesday of the month at 5:30 PM. Locations vary. Please contact the President for the location if you would like to attend.

January 11, 2000  
**Section Meeting**  
Lunch Meeting / Location  
and topic to follow.