



SEATTLE SECTION NEWSLETTER

April 2007
Volume 42 No. 8

Section Officers

October 1, 2006 – September 30, 2007

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WEBMASTER

Jarl Priest
seattleasce@yahoo.com

ASCE Seattle Section and Water Resources Group Joint Meeting

Wednesday April 11, 2007

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

Cost: \$20 per person (\$22 for late reservations)
Students \$10
Spouses and guests are welcome.
Cash or checks payable to ASCE are accepted.

Meal: Roast Beef and Gravy with all the Fixings or Vegetable Lasagne
Dessert: Crème Brulee

5:30 Socialize

6:15 Dinner

7:30 Program: Water Resources Group Joint Meeting; The Affect of Global Climate Change on the Water Resources Infrastructure.

9:00 End

Please make your reservations by
NOON Monday, April 9, by calling 206-926-0482
(voice mail system only — please leave a message)
or by sending an email to:
seattleascereservations@gmail.com

Planning and Responding to the Impacts of Climate Change on Municipal Water Supplies

During the past two decades, the impact of climate change on municipal water supply systems has emerged as an important and active area of research. The findings of the IPCC Fourth Assessment Report conclude that there has been a change in climate and that it is very likely from human causes. Among the many impacts that are expected to occur, those associated with water resources are considered to be among the most important.

This presentation will touch on three issues. The first issue is the current state of climate change studies in the Puget Sound region. A number of recently completed reports will be summarized, indicating their general findings. The second issue is the current regional planning activities in the Puget Sound area and how these planning efforts are including climate change. These planning efforts involve a wide variety of local, regional, and state agencies and other stakeholder groups. A significant effort has been placed on incorporating climate change into the evaluation of future water supplies and demands and these will be reviewed. Finally, the presentation will discuss actions that can be taken to deal with the impacts of a changing environment and how to develop responses through integrated water resources planning (IWRP) to minimize the impacts of climate change.

The deadline for the
April 2007 issue is
5:00 p.m.
FRIDAY, April 20, 2007
No exceptions.

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**AMERICAN SOCIETY OF  
CIVIL ENGINEERS, SEATTLE SECTION**  
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## President's Column

By Cliff Williams, PE

We sure had a busy month in February. Thanks to all of those who helped organize the many programs and for those who showed up. I am sure it was rewarding for all involved.

**Engineer's Fair - ASCE Booth:** Thank you to those who volunteered at the ASCE Booth, including Jack Bjork, President Elect, Randy Sleight, Past President, Larry Bennett, Governor Region 8 and Robert Parish, YMF and UAC chair. Children were given the opportunity to build structures and various flying models at the booth. At times, we had such a large crowd that we had to move out of the way and let them build. This is lots of fun for volunteers if you enjoy observing children's imagination and the encouragement provided by proud, loving parents.

**501 (c) 6 Town Hall Meeting:** Three section members attended the Town Hall meeting held in Bellevue on the future vote by the National Board of Direction on the formation of a 501 (c) 6. The Boards vote in April 2007 will be limited to a decision on formation of the (c) 6 and will not include a vote on formation of a Political Action Committee (PAC). Apparently, a (c) 6 organization must be formed before a PAC can be formed. The earliest the Board can vote on the PAC is July 2007.

You may recall the article Eric O'Brien and I wrote on PAC formation for the Seattle Section November, 2006 newsletter. Both Eric and I were shocked to hear at the Town Hall meeting that our debate article was being distributed by National throughout the country as part of a (c) 6 information package.

The Board of Direction requested input from the Sections. The Seattle Section Board passed two resolutions, which have been forwarded to National.

See *President's Column* on page 3

## Bio for April 11th Speaker

**Dr. Richard N. Palmer, Ph.D., PE** is a Professor of Civil and Environmental Engineering at the University of Washington, where he has taught since 1979. His primary areas of interest are in the application of structured planning approaches to water resources. This includes impacts of climate change on water resources, drought planning, real-time water resource management, and the application of decision support to civil engineering management problems. He developed the field of "shared vision modeling" in water resources planning and pioneered the use of "virtual drought exercises."

He has been involved with the American Society of Civil Engineers in a variety of ways. He received the "Service to the Profession" Award from the Water Resources Planning and Management Division of ASCE in 1998. He was awarded the "Certificate of Recognition" for his editorial services to the Journal of Water Resources Planning and Management of ASCE in 1997, for which he was editor from 1993-1997. He was awarded the Huber Award for Research Excellence by ASCE in 1992. This honor was based upon his innovative application of simulation and optimization techniques to issues in water resource management. He received recognition for the Best Practice-Oriented Paper of the Year in the Journal of Water Resources Planning and Management by the ASCE in 1989. In 2006, he received from ASCE the Julian Hinds Award for his contributions to water resources planning and his research related to the impacts of climate change on water resources.



*President's Column (continued from page 2)*

These are Board and not Section resolutions. Refer to the resolutions article in this newsletter.

**Bellevue ASCE Convention:** The YMF WRYMC committee is to be congratulated for organizing and pulling off an excellent convention with a record-breaking attendance of 110 YMF members. As reported to me by a Region 8 Governor, our YMF is outstanding. Running simultaneously with WRYMC were the Student Chapter assembly, 150 attendees and the Section and Branch Leadership Workshop with 150 attendees.

A big thanks from the Seattle Section for the members who attended. I am sure we will all benefit in the coming years from their participation.

**Region 8 and 9 Assembly:** The Region 8 and 9 winter assembly was held in conjunction with WRYMC. The Board of Governors had met on Thursday. On Friday, the Assembly met which includes the Governors and the Section leaders. The Regions still appear to be in transition as they try their newfound legs and in some cases, try flexing their muscles. We were fortunate to have a visit from the National Executive Director, Patrick Natale who, I believe, helped focus the Governors when he emphasized that their key role is communications. Communications with the Sections and National suggests to me that the Region Governors are in a support role to the Sections and not a control or overseer role.

Two Governor's positions were open to nominations. The Seattle Section did not provide a candidate. Our section is one of the two larger sections in Region 8 and I understand we have not provided leadership to the Region and its predecessor, PNC, for many years. Since the Region is still in formation, I believe it is important for us to participate at the Governor level. As reported in the Journal of Management in Engineering, "**The world is run by those who show up.**" Hopefully, the Seattle Section will be able to field a candidate this Fall when 3 Governor positions become open. If you are interested, please contact me.

**Governor Larry Bennett's Visit:** We were honored to have Governor Larry Bennett from Region 8 and the Alaska Section visit the Section and some of the Branches and student chapters. See his article in this issue.

*Cliff Williams, PE*

Section President

## ASCE Seattle Section Program Schedule

### April

**Date:** April 11, 2006 (Wednesday)  
**Location:** McCormick & Schmick's Harborside, Seattle  
**Topic:** Water Resources Group Joint Meeting; The Affect of Global Climate Change on the Water Resources Infrastructure. By Dr. Richard Palmer, University of Washington Climate Laboratory

### May

**Date:** May 9, 2006 (Wednesday)  
**Location:** McCormick & Schmick's Harborside, Seattle  
**Topic:** Order of the Engineer Ceremony; Annual Student Presentations

### June

**Date:** June 13, 2006 (Wednesday)  
**Location:** McCormick & Schmick's Harborside, Seattle  
**Topic:** Outstanding Civil Engineering Project Awards

### July & August

*Summer Hiatus*

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# ASCE Seattle Section Executive Board Meeting Minutes For March 14, 2007

## Attendance:

**Board Members:** Paul Grant, Cliff Williams, Garth Merrill, Eric O'Brien, Tarelle Osborn, Arthur Fleming, Jack Bjork, Jeanne Justice, and Tom Schnetzer

**Other Section Members:** Steve Goodman, Ann Bryant

**Visitors:** None

**1. Call to Order:** Section President Cliff Williams called the meeting to order at 4:30 PM.

## 2. Regular Business

- The February 15, 2007, Executive Board Meeting minutes were unanimously approved.
- Treasurer's Report.

## 3. Standing Committees Action Items – Jeanne Justice, Director

The following board action items were identified:

- **History and Heritage Committee** - Tom Schnetzer and Garth Merrill will submit past records to the History and Heritage Committee.
- **University Advisory Committee** - Seattle University is looking for a guest speaker on March 29, 2007 (preferred topics are sustainable design, environmental engineering, or the Seattle Library). The University of Washington is looking for volunteers for a future "Ask the Engineer" event (date to be determined).
- **Public Relations Committee** - Cliff Williams and Tom Schnetzer will coordinate with Jennifer Sandberg on upcoming Section events to publicize.
- **Audit Committee** - Garth Merrill will provide hard-copy Quicken reports and bank statements for the annual audit.
- **Legislative Committee** - The ASCE National Board of Direction is considering the formation of a 501c6 organization under the federal tax code. The Seattle Section Board passed a resolution by 7 votes for and 1 vote against supporting the formation of an ASCE organization under federal tax code 501c6. The Seattle Section also passed a resolution by 5 votes for and 4 votes against recommending to the Board of Direction that it postpone a vote on the formation of an ASCE-sponsored PAC until an appropriate evaluation and survey of National ASCE membership has been conducted and requesting the Board of Direction to provide a one-page summary to its members explaining the impacts of forming of PAC.

## 4. Technical Committee Action Items – Eric O'Brien, Director

No board action items were identified.

## 5. Branch Action Items – Arthur Fleming, Director

No board action items were identified.

## 6. YMF Action Items – Doug Knapp, YMF Board Rep

No board action items were identified.

## 7. Membership Committee

- Jack Bjork sent a letter to the YMF members and to the Geotechnical Group members to promote joining ASCE.

## 8. Nominations Committee

The following board action items were identified:

- The Nominations Committee is currently looking for candidates for President, Secretary, and Technical Director.
- Six entrants were received for the ASCE Seattle Section Project Awards. There are two entrants each for the Geotechnical, the Site Development, and the Transportation categories. Each of the entrants will be provided with an opportunity to make a short presentation on their project at the June Section meeting.
- Jack Bjork, Paul Grant and Tom Schnetzer will attend the PSEC Intersociety Officer Workshop on June 16 at the Redmond Library.

## 9. Programs

The following board action items were identified:

- Salads will be added to the meals at McCormick and Schmick's at no added cost to the attendee's dinners.

## 10. New Business

- **Rebuilding Together** - The ASCE Seattle Section will be sponsoring the Community House Mental Health Center on April 28, 2007 as part of the Rebuilding Together. A motion was made and unanimously passed to increase funding for Rebuilding Together by the Seattle Section from \$3500 to \$4000.
- Dormant committees will be reviewed at the April board meeting.
- Carpooling for Section meetings - Jeanne Justice will write a short article for the April newsletter on carpooling and will coordinate with the House and Hospitality Committee for future coordination of carpools.

## 11. Round Table Announcements for Meeting

- Floor nominations for officer Positions (Paul Grant)
- Outstanding Project Awards (Paul Grant)
- Young Engineer of the Year Award to Erin Fletcher (Paul Grant)
- Concrete Canoe Competition (Eric O'Brien)
- Rebuilding Together (Arthur Fleming)
- WRYMC (Ann Bryant)

**Meeting adjourned at 5:40 pm.**

## Next Meeting:

Wednesday, April 11, 2007 at the McCormick and Schmick's in Seattle.

**Minutes taken by:** Tom Schnetzer

## ASCE Seattle Section Board Resolutions

In the matter of the National Board of Direction's vote on ASCE's formation of a 501 (c) 6 organization under the federal tax code, the Seattle Section of ASCE adopts the following two resolutions.

### Resolution 1:

WHEREAS, the ASCE organization is formed under federal tax code 501 (c) 3;

WHEREAS, operation under federal tax code 501 (c) 3 restricts the content of lobbying activities and the total annual amount spent on lobbying activities to \$1M;

WHEREAS, at both the national and local levels, civil engineering and infrastructure issues are being addressed by elected officials who would benefit from more input from ASCE;

WHEREAS, formation of a 501 (c) 6 organization under the federal tax code would provide greater access to lobbying activities, permit greater funding and benefit the public;

WHEREAS, the National Board of Direction is holding a vote on the formation of an ASCE organization under 501 (c) 6; and,

WHEREAS, the Seattle ASCE Section Board has an interest in providing comment to the National Board of Direction on this matter.

THEREFORE, LET IT BE RESOLVED that the Seattle Section Board supports the formation of an ASCE organization under federal tax code 501 (c) 6.

### Resolution 2:

WHEREAS, the ASCE National Board of Direction is holding a vote on formation of an ASCE organization under 501 (c) 6; and,

WHEREAS, if the ASCE National Board of Direction approves formation of a 501 (c) 6 organization at their April, 2007 meeting, the Board would have an opportunity to vote on a motion to form a Political Action Committee (PAC) governed by the 501 (c) 6 organization as early as the July, 2007 Board meeting;

WHEREAS, the Board committed a considerable amount of effort and time to study and canvas the membership on the formation of the 501 (c) 6 organization prior to taking a vote; and,

WHEREAS, it is believed that at least an equivalent effort should be placed into evaluating the formation of a PAC.

THEREFORE, LET IT BE RESOLVED that:

(1) the Seattle Section Board recommends to the Board of Direction that it postpone a vote on the formation of an ASCE sponsored PAC until an appropriate evaluation and survey of the national membership has been conducted; and

(2) the Seattle Section Board requests that the Board of Direction, prior to taking a vote on forming a PAC, prepare a brief one-page summary of the advantages and any disadvantages of forming a PAC and provide the summary to ASCE Sections for distribution to their members.

## Engineer's Ring Ceremony

6:00 PM - May 9, 2007

McCormick & Schmick's Harborside Restaurant  
1200 Westlake Ave N, Seattle, WA 98109

Cost: \$15

Followed by the May ASCE Seattle Section Meeting

The Seattle Section of ASCE encourages all of our members to participate in our Ring Ceremony in the spring, as well as any engineers from other disciplines that satisfy the eligibility criteria. The Seattle Section ASCE chartered a new link (or section) of the National Order of the Engineer in September 2003. The next ceremony will be held just before the May section meeting.



You are encouraged to join the Order of the Engineer if you:

1. Have graduated from an ABET-accredited engineering program, or
2. Hold a license as a Professional Engineer, or
3. Are enrolled in an ABET-accredited engineering program and within two academic terms of graduation.

Participants will receive a steel Engineer's Ring and an Obligation certificate at the Ceremony. The registration fee to participate in the Ceremony is \$15. Guests are welcome at the Ceremony at no cost.

Please RSVP to Garth Merrill with your name, school or company, phone number, email address and ring size (for the fifth finger on your writing hand) **no later than April 18, 2007** to order rings in time for the ceremony. Payment will be collected the night of the ceremony. Garth can be reached at [garth.merrill@parsons.com](mailto:garth.merrill@parsons.com) or 425-456-8568. If you need assistance determining your ring size, you may visit your local jeweler or Garth can send you a ring sizer. More information on the Order can be found at [www.order-of-the-engineer.org](http://www.order-of-the-engineer.org).

Following the ring ceremony will be the social gathering for the Seattle ASCE Section meeting from 6:00 - 6:15pm. The ASCE Section meeting will begin at 6:15, participants and their guests are welcome to stay for the social gathering free of charge (a no-host bar is available). We also welcome any participants and their guests to stay and join us for our section meeting. This meeting includes dinner and will cost an additional \$20 per person, or \$10 for students. Please make reservations for the dinner by calling (206) 926-0482 or send an email to [seattleascereservations@gmail.com](mailto:seattleascereservations@gmail.com).

# The Building Information Models (BIM) Revolution

by H. Michael Hill, AIA, CSI, CCS, CCCA, LEED™ AP

Last spring, world renowned architect Frank Gehry delivered the keynote address at the 50<sup>th</sup> Annual CSI Show & Convention in Las Vegas. Gehry talked about one of his favorite topics – Building Information Models (BIM) – and described how BIM will change the construction industry forever.

As Gehry suggested, the BIM revolution is particularly relevant for civil engineers, because it will connect them with other disciplines more closely and in different ways than ever before. The revolution will come, he said, only with “the architect, engineer, and everyone working together.”

## *A Virtual Catalog of All Project Information*

BIM, which is being used on such high-profile projects as New York City’s Freedom Tower, is a computerized model linked to databases that store project information in a variety of forms. It provides a one-stop “virtual building” catalog that allows engineers to access all conceivable project information.

With BIM, a new glazing system entered into the model behaves like an actual glazing system does in relationship to other building components. Change the glazing system, and relationships to affected objects adjust in real time. Because all participants can access the central database, everyone in the project can see the change at the same time and act accordingly.

What will make BIM truly revolutionary is the addition of the fourth dimension of time to the management of object- and process-oriented systems. Everyone on a project team, including engineers and engineering consultants, will have access to up-to-the minute schedules, reports, drawings and visualizations.

## *The Revolution is Now*

In a recent survey of visitors to the CSI Web site, the Institute asked respondents if they believe BIM will revolutionize the construction industry. Three out of every four said that it will.

That places a premium on getting up to speed on BIM now, even as the transition process unfolds. Engineers need to watch the issue closely and carefully consider their business models as they contemplate a switch to BIM. The investment in time, energy, and money will be significant, and engineers who move too quickly may find that the technology they choose has become obsolete. Those that wait too long could find themselves at a significant competitive disadvantage.

Civil engineers can be sure that BIM will change the in-

dustry quickly. We all need to understand how this technology will affect how we do business, and learning about BIM now is a good first step to take.

## *Where to Learn More*

As crucial members of the building design community, engineers should educate themselves now on the promises of BIM. Fortunately, many sources of information exist:

- ASCE’s Web site ([www.asce.org](http://www.asce.org)) has some information about BIM, and its publications cover the issue fairly regularly.
- CSI ([www.csinet.org](http://www.csinet.org)) is heavily involved in the development of the National BIM Standard and the BIM issue generally.

Like this one, many trade magazines, newsletters and journals follow the BIM issue closely.

*H. Michael Hill serves on the Construction Specification Institute’s Board of Director, and is the membership representative on the National Institute of Building Science’s committee developing the National BIM Standard. He is Director of Quality Assurance at Torti Gallas and Partners in Silver Spring, MD.*

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## Leadership and WRYMC in Bellevue

by Jack Bjork, P.E.

ASCE had a lot going on in Bellevue in the last week in February. About 100 board members and governors and 300 students and younger members from 9 western states (Regions 8 and 9) along with national ASCE staff and the ASCE president and president-elect met on a range of topics. Most of the Seattle Section board attended and got the opportunity to learn about the ASCE organization and many helpful leadership ideas including running effective meetings, fundraising, motivating members (and how that varies by generation), Body of Knowledge/ licensure, civil engineering as a commodity and effective community programs to name a few. We also talked to candidates for Region 8 governor. Younger members (WRYMC is an acronym for Western Region Younger Members Conference) heard about similar topics and attending several field trips.

The food was good (partially due to the generosity of the Seattle Section). For me, it was interesting to see the national president. At first glance he is a small man with a real southern drawl and an unassuming demeanor. But his informal luncheon talk about life and civil engineering gave a lot of insight into someone who has a spectacular career, including 4 national design awards. His folksy remarks were targeted on the students and younger members and they seemed to really like his message. Overall, the conference was well organized and well worth the time.

## Let's Start Planning — Rebuilding Together 2007

by Liz Korb

For the seventh year in a row, the Seattle Section is going to be a house sponsor. Last year we provided over 300 hours of volunteer labor! We have not committed to a specific house, however we have one strong candidate that will likely come through. This house is a little different because it is a non-profit community house located on capital hill. Although the house is not definite yet it is time to start planning and gathering volunteers. Rebuilding Together Day will be Saturday April 28, 2007. To help planning this year's event we still need a materials coordinator to help check with vendors about donating materials (RTS provides some good contacts to call), and helping procure the materials.

The scope of work for the community house includes replacing vinyl floor in the dining area, replacing countertops in the kitchen, and adding smoke detectors and deadbolts. Undoubtedly, we will also need our usual assortment of volunteers to help with more basic tasks such as cleanup and painting, run errands, pick up materials, and whatever else our house captain calls upon us to do. It might be advantageous to do some of the countertop work prior to the day of the event and so if you are unable to volunteer on April 28th we could use some volunteers the weekend before. Also, if somebody has an available work space for us to do some of this countertop work, please let me know.

Rebuilding Together helps families in need, the elderly, and individuals with disabilities with home repair projects to keep them safe, warm and able to stay independent in their homes. But not only will you be helping others you will also have fun with a great group of people and a free BBQ lunch.

To volunteer or get more information, please contact Liz Korb at 206.331.1176 (cell), or [lizkorb@gmail.com](mailto:lizkorb@gmail.com).

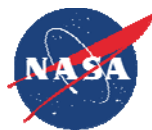
Thanks!



*Our 2006 Rebuilding Together Project  
Before and After!*

## Seeking Engineering Professionals to Mentor Scholars

by Jack Bjork, P.E.



Washington Aerospace Scholars (WAS) is seeking engineering professionals interested in working with high school juniors during a six-day summer residency hosted by the Museum of Flight. Interested engineers will mentor students as they design a human mission to Mars. Mentors are supported by university students and professional teachers. We seek a total of 16 engineers to support four weeks of summer residencies.

The goal of the program is to encourage the scholars to study math, science, engineering and technology by giving them an in-depth view of what careers in those fields are really like. Mentors' professional experiences can help scholars get excited about different careers in math, science, engineering and technology.

The entire residency revolves around the design of a human mission to Mars. Prior to arriving, these high school juniors will have spent six months working with a NASA curriculum to provide them with the context necessary to succeed with the tasks. During the residency the mentors facilitate a team project with assistance from university students and teachers.

Scholars are divided into 4 teams for the residency. Each team will be mentored by one professional engineer. The team projects will be an in-depth review of one of the following topics in Mars exploration:

- Getting There and Back - Why do we go? Where are we going? What are the risks? How do we go safely?
- Living There - How do we survive? What are the dangers? What are our physical and psychological needs?
- Working There - What is our mission? What do we need? How will we work together?
- Mission Integration - How do integrate to accomplish the mission parameters and overall goals?

For more information, visit the web site at:

[www.museumofflight.org/washingtonaerospacescholars](http://www.museumofflight.org/washingtonaerospacescholars)

**For an application contact:**

Rosie Bailer, WAS Coordinator, (206) 764-5866 or [rbailer@museumofflight.org](mailto:rbailer@museumofflight.org)

**Application Deadline:** April 16, 2007.

## Exploring our Future – 2007 Western Region Younger Member Council by Sara Schmitt, EIT, AM.ASCE and Ann Bryant, PE, M.ASCE — Seattle Section

Seattle Section YMF hosted the 2007 Western Region Younger Member Council (WRYMC) on February 23 – 25 at the Bellevue Hyatt Regency Hotel. The theme of this year's WRYMC was "Exploring our Future." With 110 attendees, this was the largest WRYMC since it all began in San Francisco in 1979!

Friday morning WRYMC kicked off by showcasing the future of the Pacific Northwest with tours concentrating on Seattle's first rapid transit system and innovative solutions to replace aging infrastructure. After lunch at the historic Pike Place Market, WRYMC attendees had joint sessions with ASCE members attending the Region 8 and 9 Workshops for Section & Branch Leaders and Student Chapter Leaders. Friday evening buses were provided for YM's, students, and section and branch leaders to go over to Seattle to explore, go to the top of the Space Needle, eat a great fresh seafood dinner, and the evening ended with WRYMC taking over a local karaoke bar.

Bright and early Saturday morning we had the rare opportunity to listen to and interact with a panel of highly successful individuals at an Executive Forum. Executives taking part in this panel were Joni Earl, CEO of Sound Transit; Larry Davis, West Division President of HNTB Corporation; Stephen Shive, Executive Vice President of Parsons, and Jane Chimielski, President and COO of DMJM Harris. Panelists talked about their career paths, gave career advice, discussed life balance

issues, their own personal management styles, and gave suggestions for outreach. This forum was so popular there was standing room only, with ASCE national officers, staff and others attending the Region 8 and 9 Workshops sneaking in to hear our wonderful panelists along with the WRYMC attendees. Following the discussion were sessions including a Civil Engineering 2025 Summit Follow Up, What Do You Have to Say for Yourself - The Making and Defending of a Point, CYM Region 8 and 9 Overview, and the 2007 WRYMC Business Meeting.

The keynote speaker Saturday afternoon was Dr. Bonnie Dunbar, Astronaut and President & CEO of the Museum of Flight in Seattle. Dr. Dunbar spoke to the group about her missions in space as well as the future of engineering and the importance of student outreach.

Saturday evening 150 people attended the Banquet Dinner and WRYMC Award Presentation. Congratulations to the following award winners:



*WRYMC attendees tour the Sound Transit Pine Street Stub Tunnel.*

See *Exploring our Future* on page 9



*WRYMC Attendees get cozy for a group photo. With 110 attendees, it was hard to find room for a group shot!*



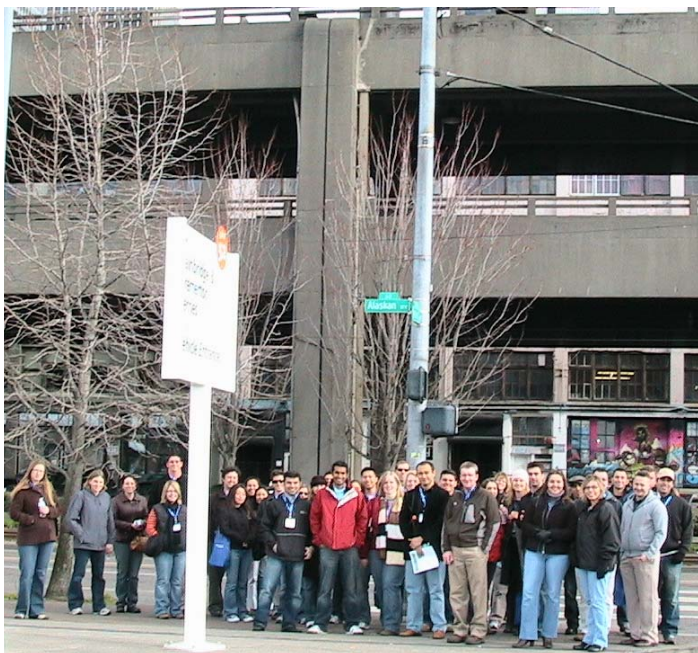
- Outstanding Young Civil Engineer in the Private Sector – Kathereen Shinkai
- Outstanding Young Civil Engineer in the Public Sector – Doug Knapp
- Outstanding Younger Member in Community Activities – Jennifer Bohac
- Outstanding Younger Member in ASCE Activities – Kathereen Shinkai
- Outstanding Younger Member Group Project – Utah Section
- Outstanding Support of Student Chapter(s) – Seattle Section



*Shane Binder, left, and Doug Knapp, right, of WRYMC's famed Social Committee, looking spiffy and ready to lead WRYMCers for another legendary "unofficial social event."*

Sunday morning WRYMC concluded with the President-Elect's Breakfast and Order of the Engineer Ceremony, the Be an Advocate for the Civil Engineering Profession session, as well as the Interactive Session with President Marcuson, President-elect Mongan, and Executive Director Natale.

Seattle Section YMF had a great time planning and hosting the 2007 WRYMC and we are looking forward to seeing everyone at the 2008 WRYMC in Las Vegas, NV (hopefully).



*WRYMC attendees on the Alaskan Way Viaduct Tour pause to pose for a group photo with the viaduct in the background.*

## Summary of February Visit

by Larry Bennett, P.E., FASCE—Governor, Region 8

Dear Section Members:

First, I want to express thanks to your section for being such great hosts during the week I spent in Seattle prior to the Region 8 meeting and leadership conference in Bellevue. I enjoyed my time on Thursday, February 15, with your section board and with the section at its dinner meeting. While in the area, I also had a chance to attend the Joint Engineering Society Engineers Week kick-off banquet in Lacey, hosted in part by the Tacoma/Olympia Section. I attended student chapter meetings at the University of Washington and Saint Martin's University. I spent a little time at your booth at the Puget Sound Engineering Fair at the Museum of Flight, helping kids fabricate paper flying objects and test the carrying capacity of different structures built from toothpicks and gumdrops. And I went up to Burlington to the monthly meeting of the North Branch. Overall, I was very impressed with the things your section is doing, the wide variety of activities you are engaged in, and the very competent leadership that is serving the section.

Let me mention two highlights. Your Younger Member Group is outstanding! The job they did in running the popsicle-stick bridge competition was very impressive. And their work in organizing the younger member conference in Bellevue deserves our lasting appreciation. The other highlight, for me, is the manner in which you are cooperating with other engineering groups, such as your participation in the Puget Sound Engineering Fair. Especially as we interface with the public in its many forms, I think this kind of collaboration is essential.

On behalf of all who attended the Bellevue leadership conference, I want to thank the Seattle Section for the tremendous job you did as hosts. The conference was really three conferences – student chapter leadership, younger member leadership, and Region 8 and 9 leadership. From Cliff's welcoming remarks, to the plenteous and scrumptious reception, right through to the end of the conferences, you did a great job. Thanks!

By the time you read this, I will have made more visits, this time in my home state of Alaska. This trip will take me to the Alaska Section's branches at Juneau and Ketchikan, a trip that will last three days. Governing Region 8, which stretches from Alaska to Hawaii and includes Washington, Oregon, Idaho, Montana, Utah, Nevada and Arizona, is an expensive and time-consuming task. But communication, including face-to-face communication, is essential. ASCE is a great organization, and I'm happy to do my small part. Thanks for the parts that all of you play in our profession and our organization.





## In Memoriam Robert W. Seabloom, P.E. (1924 – 2007)

Robert Seabloom passed away on February 12, 2007, after a valiant battle with cancer. He was a beloved husband, father & uncle who lived life to the fullest. Bob was born on June 18, 1924 in Tacoma, WA. In 1943, Bob was inducted into the V-12 Officer Training Program and went to the University of Washington to study Civil Engineering and Naval Science



He served in the United States Navy over seas in Japan from 1945-1946 & retired as a Lieutenant Commander. Bob returned to the University of Washington to complete his B.S.C.E. in 1950, he left school to gain professional experience for four years at the City of Seattle, but returned to the University of Washington for graduate study and accepted an appointment as an Assistant Professor in General Engineering in 1956. He obtained his M.S.C.E. in 1957 and his Professional Civil Engineering License in the State of Washington shortly thereafter. Bob continued on in the General Engineering Department of the UW until 1971, when he transferred to the Civil Engineering Department and was promoted to full Professor in 1979 covering the fields of environmental and sanitary engineering. Bob spent the majority of his career educating engineers at the UW from 1954 -1983 where he help develop short courses and conferences in solid waste management and on-site wastewater treatment and disposal. He still maintained an office in More Hall in the Civil Engineering Department as a retired Professor Emeritus. He spent his entire working life teaching Civil Engineering at the University of Washington.

In his personal life, he enjoyed traveling, playing handball & tennis, skiing & first & foremost spending time with his family & many friends.

His book on "*Vector Algebra for Engineers*" and his work on the "*University of Washington Civil Engineering 1898-1998 One Hundred Years of Excellence in Education*" are a lasting legacy for History.

Bob was a Past President of the Seattle Section of ASCE and a Life Member of ASCE and the Water Environment Federation/Pacific Northwest Clean Water Association.

## Seattle ASCE Section Officer Positions *Nominations Due by April 11*

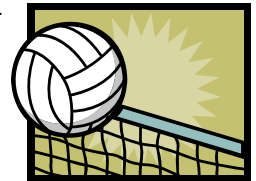
ASCE is a volunteer organization and depends upon your involvement to enrich our professional community. Involvement can range from committee participation to leadership roles with the Section Board. If you are interested in greater involvement with the Section, the Board has the following positions that are open for nomination:

- ◇ **President Elect** (3 year term - President-Elect, President, Immediate Past President)
- ◇ **Director** (Technical Committees) (3 year term)
- ◇ **Secretary** (2 year term)

Please call or e-mail Paul Grant (206-262-0370 or [pgrant@pangeoinc.com](mailto:pgrant@pangeoinc.com)) for more information on these positions. We are looking for self nominations or suggestions of others that would enjoy serving over 2,400 members in our Section.

## Seattle A/E League Volleyball May 29 thru August 25, 2007

The YMF will be fielding a co-ed outdoor (grass) volleyball team this summer on Tuesday evenings at Green Lake.



The team will be joining the Casual division of the Seattle A/E Volleyball League, so **players of all ability levels are welcome to join in the fun.**

A final tournament will be held on Sunday, August 25th. Contact Shane Binder at [shane.binder@parsons.com](mailto:shane.binder@parsons.com) for information.

## Cost Reduction for Dinner Meetings

In case you haven't noticed, the cost for the Section dinner meetings at McCormick and Schmick's have been **reduced** from \$30-35 to **\$20 for members and \$10 for students**. In recognizing that costs have gone up significantly since leaving the Ballard Yankee Diner, your Board decided to subsidize the dinner cost for the immediate future. They didn't want the cost of the meal to be a deterrent to attending Section meetings.

## 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.



### Senior Traffic Engineer

At CH2M HILL, you can EXPECT IT ALL... Client Focus, Integrity, Safety, Innovation, Quality, Collaboration, The Best People, and Excellence!

Our Seattle office is seeking a Senior Traffic Engineer. You will be responsible for transportation planning and traffic engineering including geometric conceptual layouts, traffic studies, ITS planning and deployment, travel demand modeling, and signal operation systems analysis utilizing traffic software programs. You will assist in managing transportation planning and traffic projects, provide quality control, mentor junior staff, and participate in business development activities.

**Qualifications:** Requires BSCE, Washington PE registration (or eligibility to obtain PE within a year), with 8+ years Traffic Engineering work history. We desire a candidate with excellent knowledge of traffic signal and illumination techniques and related analysis tools such as Corsim, Synchro or Vissim. Top candidate will have experience managing task budgets and schedules, and a desire to mentor junior staff. Effective communication skills and a strong self-starter who is team oriented is essential. Roadway design with proficient Microstation or AutoCad skills and working knowledge of WSDOT a plus.

To apply, indicate job code **15437BR** and submit your resume to [careers@ch2m.com](mailto:careers@ch2m.com). Visit our web site at [www.ch2m.com](http://www.ch2m.com). EEO/AA employer



### Work in the beautiful San Juan Islands! HART PACIFIC ENGINEERING Friday Harbor, Washington

We are seeking a Project Engineer, Salary: \$4,500 - \$5,400 / month with 6 years minimum experience and registered PE in WA. Emphasis on design, office management and supervision of junior staff. Knowledge of water systems design, drainage plans and structural engineering a plus. Contact John Hart - 360-378-7048 or [John@hartpac.com](mailto:John@hartpac.com)



### R. W. Beck, Inc. Project Manager - Utility Projects Seattle, WA 98154

R. W. Beck, Inc. is a premier national engineering-based management consulting firm that helps our clients in the Energy and Water & Waste Resource market sectors make better business decisions and accomplish their objectives. We do this by guiding our clients through the aftermath of natural disasters, confronting the impacts of aging infrastructures, and solving the problems of economic and technical challenges.

#### Job Description:

The Project Manager will be responsible for project management of multiple projects involving electric or gas utility transmission/distribution/station design and upgrades; oversight of planning, permitting, design, and construction processes; ability to oversee multiple concurrent projects; and coordination with design engineering, real estate staff and outside agencies. While the primary focus of this position is not technical design work, a good understanding of technical design is beneficial.

#### Experience Required:

- B.S. degree in Civil, Electrical, or Mechanical Engineering
- Washington State P.E. license or ability to obtain within one year
- 15-20 years relevant experience
- Specific project management experience with transmission, distribution, and system controls projects for electric or gas utilities
- High level of computer competency with spreadsheets and project scheduling software
- Team player with proven ability in written and oral communication with clients and project team
- Excellent technical writing ability
- Position may require periodic travel

#### Apply Online:

<http://www.gojobs.com/seeker/aoframeset.asp?JobNum=676960&JBID=1436>

Employer JobCode: 06-0009

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### Senior Transportation Engineer

At CH2M HILL, you can EXPECT IT ALL... Client Focus, Integrity, Safety, Innovation, Quality, Collaboration, The Best People, and Excellence!

Our Seattle office is seeking a Senior Transportation Engineer. You will lead the design and delivery of complex road and highway transportation projects in the greater Pacific Northwest using traditional and design/build delivery formats. Be responsible for roadway geometric design, grading design, channelization layout, report writing, development of plans, specifications and estimates. As a project lead, you will direct team member's work, develop and mentor junior staff; provide technical and quality guidance, and assist with management of projects. You will interface with clients regularly and may participate in various marketing activities.

**Qualifications:** Requires BSCE and Washington PE, and 7+ years' background designing various road and highway transportation projects. Top candidate will have working knowledge of WSDOT, local city and county standards and processes; with experience managing task budgets and schedules. Must have proficient InRoads, and Microstation or AutoCad skills. Effective leadership ability and strong communication skills with team orientation are essential. Business development abilities desired.

To apply, indicate job code **16315BR** and submit your resume to [careers@ch2m.com](mailto:careers@ch2m.com). Visit our web site at [www.ch2m.com](http://www.ch2m.com). EEO/AA employer



### HDR, Inc Senior Project Manager Bellevue, WA 98004

HDR is an architectural, engineering, planning and consulting firm that excels at complex projects and solving challenges for clients.

**Description:**

Plans, directs and monitors all aspects of large multi-discipline projects or medium sized projects with high degree of technical complexity, typically in excess of \$5 million and involving a large project staff. Involved in the production & coordination of several projects concurrently, establish client relations, marketing, contracts, design and production meetings. Conduct schematic design development and contract document work sessions at project sites with Project Managers and appropriate technical professionals. Responsibilities include coordination of staff/ staff workload, throughout the entire project development, to complete documents on schedule; implementing QA/QC procedures; execution of training for personnel as established by strategic plans Work with Business/ Accounting Manager, Project/ Company Controller, and the Department or Principal Managers. Mentor to less experienced Project Managers.

**Experience Required:**

Bachelor's degree required; Master's preferred  
Prior experience: preparing detailed designs plans, and specifications for municipal water/ wastewater design projects.  
15 years of project management experience and a degree in Engineering typically required  
Maintain professional engineering registration.

**Apply Online:**

<http://www.gojobs.com/seeker/aoframeset.asp?JobNum=811715&JBID=1436>

Employer Job Code: 061624

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### CITY OF SEATTLE, DEPT OF TRANSPORTATION Operations Manager

**Salary: \$34.98 - \$52.47/hour (DOE)**

Seattle Department of Transportation's Street Use Section is responsible for keeping its rights-of-way in a state of good repair and free from unnecessary encumbrances. Street Use accomplishes these goals by managing activities and construction occurring in the rights-of-way through issuing of permits, inspection, project coordination, public outreach, utility record keeping and plan review. The Operations Manager functions as a Senior Staff member and is responsible for managing the inspection, engineering, shoring, major projects and street improvement plan review groups. For further information and to apply online: visit <http://www.seattle.gov/jobs> (REFER TO JOB #TRN-702328); Open until filled.



**HDR, Inc.**  
**Project Manager - Water/Wastewater**  
**Spokane, WA 99224**

HDR is an architectural, engineering, planning and consulting firm that excels at complex projects and solving challenges for clients. More than 5,600 employee-owners, including architects, engineers, consultants, scientists, planners and construction managers, in over 130 locations worldwide, pool their strengths to provide solutions beyond the scope of traditional A/E/C firms.

**Position Description:**

Plans and manages all aspects of small to medium single discipline projects or large, routine projects. Independently coordinates the work of engineers and the balance of the team throughout the entire projects development. Establishes client relations and is involved with the marketing, contractual, design and production meetings. Participates in reviews with various governing agencies for code compliance. Conducts work sessions for design development and contract document in conjunction with other staff. Is responsible to coordinate workload through the entire project development to complete documents on schedule. Is responsible to track the financial aspects of the projects, and coordinates and adjusts the work effort with the team to ensure that the work is completed within the parameters of the agreed to schedule. Works with the Business/ Accounting Manager or Project Controller and the Department Manager for project reviews and with company management on an as needed basis. Maintains engineering professional registration.

This position may be available in our Spokane or Bellevue, Washington office.

**Experience Required:**

Min. of 7 years of pipeline experience. Bachelor's degree in Engineering. Must have prepared detailed designs, plans, and specifications for municipal water/ wastewater design projects.

**Apply Online:**

<http://www.gojobs.com/seeker/aoframeset.asp?JobNum=1243795&JBID=1436>

Employer JobCode: 062097



**Transportation Project Manager**

At CH2M HILL, you can EXPECT IT ALL... Client Focus, Integrity, Safety, Innovation, Quality, Collaboration, The Best People, and Excellence!

Our Seattle office is seeking a Transportation Project Manager. You will lead the design and delivery of complex road and highway transportation projects in Washington using both traditional and design/ build delivery formats. As a key project lead, you will plan and direct tasks; develop and mentor staff; and provide technical and quality guidance. You will be responsible for managing scopes, schedules, and budgets. Your role will include building client relationships and participating in all aspects of business development activities.

**Qualifications:** Requires BSCE, Washington PE and 10+ years' work history designing and managing various road and highway projects. Top candidate will demonstrate ability to lead multi-discipline teams, manage budgets and schedules, and effective communication skills. We desire a candidate with design/build experience, DOT knowledge and successful business development abilities.

To apply, indicate job code **16314BR** and submit your resume to [careers@ch2m.com](mailto:careers@ch2m.com). Visit our web site at [www.ch2m.com](http://www.ch2m.com). EEO/AA employer



**CIVIL ENGINEERING PRINCIPAL**  
**Sequim, Washington**

Seeking a licensed professional interested in management and partial ownership of a small consulting firm. We specialize in planning, design and construction management for land development and municipal infrastructure. Competitive pay and benefits with assistance provided for equity acquisition. We are a small but growing company, in business for 15-years. Sequim provides an excellent quality of life, a rural environment with reasonable housing, good schools, and nearby marine and mountain recreation. Send resume and letter of interest to Harold Andersen, PE; Quadra Engineering; PO Box 2356; Sequim, WA 98382; [quadra@olypen.com](mailto:quadra@olypen.com).



**HDR, Inc.**  
**Senior Water/WW PM (Pipeline)**  
**Bellevue, WA 98004**

HDR is an architectural, engineering, planning and consulting firm that excels at complex projects and solving challenges for clients.

**Position Description:**

Plans, directs and monitors all aspects of large multi-discipline projects or medium sized projects, typically in excess of \$5 million and involving a large project staff; involved with the production and coordination of several projects concurrently; establishes client relations and is involved with marketing, contractual, design and production meetings; conducts schematic, design development and contract document work sessions at project sites in conjunction with Project Managers; coordinates the staffing and workload of the staff through the entire project development to complete documents on schedule; works with Business/Accounting Manager, Project Controller or Company Controller and the Department Manager or Managing Principal for project reviews; implements QA/QC procedures; typically supervises large project staffs and acts as mentor for less experienced Project Managers.

**Requirements:**

- Bachelor's degree in Engineering required, Master's preferred
- 7+ years of experience preparing detailed designs, plans, and specifications for municipal water/wastewater design projects.
- Proven success as a project manager, 15 years experience preferred.
- Maintains professional engineering registration.

**Apply Online:**

<http://www.gojobs.com/seeker/aoframeset.asp?JobNum=811714&JBID=1436>

Employer JobCode: 061623



**Senior Transportation Engineer**

At CH2M HILL, you can EXPECT IT ALL... Client Focus, Integrity, Safety, Innovation, Quality, Collaboration, The Best People, and Excellence!

Our Seattle office is seeking a Senior Transportation Engineer. You will lead the design and delivery of complex road and highway transportation projects in the greater Pacific Northwest using traditional and design/build delivery formats. Be responsible for roadway geometric design, grading design, channelization layout, report writing, development of plans, specifications and estimates. As a project lead, you will direct team member's work, develop and mentor junior staff; provide technical and quality guidance, and assist with management of projects. You will interface with clients regularly and may participate in various marketing activities.

**Qualifications:** BSCE and Washington PE required. 5 years transportation engineering experience designing various road and highway transportation projects required. Top candidate will have working knowledge of WSDOT, local city and county standards and processes; with experience managing task budgets and schedules. You must have proficient InRoads, and Microstation or AutoCad skills. Effective leadership ability and strong communication skills with team orientation are essential. Business development abilities desired.

To apply, indicate job code **16309BR** and submit your resume to [careers@ch2m.com](mailto:careers@ch2m.com). Visit our web site at [www.ch2m.com](http://www.ch2m.com). EEO/AA employer.

**THIS COULD BE YOUR AD!**

We accept advertising and job postings in the Seattle ASCE newsletter at \$0.75/word per month and for that price, the ad is posted on both the website and in the printed newsletter.

Our materials deadline is the third Friday of each month and ads are posted on the first day of the following month. The newsletter runs for 10 months/year, September through June of every year.

Contact our Editor, Kristin Quick, if you would like to learn more! Email: [seattleASCEnews@gmail.com](mailto:seattleASCEnews@gmail.com) or call 206-310-4847.

## Calendar of Upcoming Events:

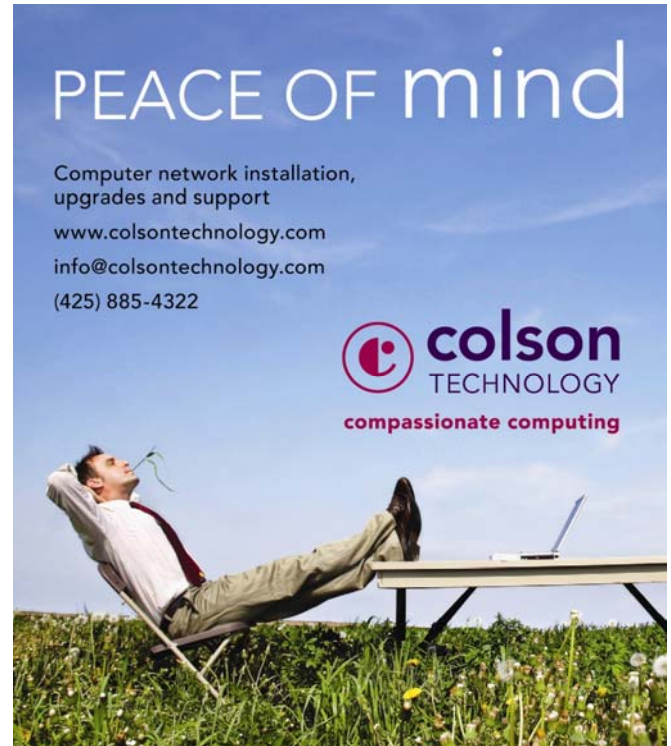
**April 7, 8:30am**

**History & Heritage Committee Meeting**

Location: UW More Hall, Rm 218


Contact: Cindy Hirsch, (206) 438-2150 or

*Cindy\_Hirsch@urscorp.com*



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## TIME VALUE

April 2007 Newsletter  
Volume 42, Number 8

Attn: ASCE Newsletter Editor  
3728 Beach Drive SW, #4  
Seattle, WA 98116

AMERICAN SOCIETY  
OF CIVIL ENGINEERS

SEATTLE SECTION

