



# SEATTLE SECTION NEWSLETTER

April 2014  
Volume 49 No. 8

## Section Officers

October 1, 2012 – September 30, 2013

### SEATTLE SECTION OFFICERS

Perry Cole, *President* 425-471-9022  
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Sam Swartz, *Treasurer & Budget Chair* 206-689-3324  
James Chae, *Immediate Past President* 425-990-6832  
Mike Harney, *Director (2014)* 206-695-6850  
Jessica Aguilar, *Director (2015)* 206-357-5625  
Lisa Harbert, *Director (2016)* 425-481-6100

### YMF OFFICERS

Elizabeth Clark, *President* 206-770-3661  
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### UW/SEATTLE U CONTACTS

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### KITSAP BRANCH OFFICERS

David Dinkuhn, *President* 360-850-5319

### NORTH BRANCH OFFICERS

John Tuttle, *President* 360-733-5760

### BOEING BRANCH OFFICER

Vinny Avendano, *President*  
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### WEBMASTER

Ann Bryant  
[seattleasce@yahoo.com](mailto:seattleasce@yahoo.com)

## Joint Meeting between ASCE Seattle Section and the Water Resources Committee

Wednesday, April 16, 2014

**Place:** USACE Building, 4735 E. Marginal Way S., Seattle

**Cost:** \$15

**Meal:** Meat or Vegan entrees are available.

11:30 to noon	meet and greet
12:00 to 1 pm	presentation
1:00 to 1:30	optional tour of the USACE building

Please make your reservations on or before  
**Saturday, April 12.**

**(Registrations will close on this date;  
there will be no day-of reservations)**

**[Register online here](#)**

For assistance with online registration, please contact House  
and Hospitality at [seattleascereservations@gmail.com](mailto:seattleascereservations@gmail.com)

Direct questions or comments regarding meetings to Section  
President Perry Cole at [seattleascepresident@gmail.com](mailto:seattleascepresident@gmail.com)

## Program: Rivers in the Sky are Flooding the Pacific Northwest: Atmospheric Rivers and Managing Large Floods in Western Washington

Major storms cause huge flood risk management challenges. The complexities and uncertainties of Northwest weather and hydrology are managed by the U.S. Army Corps of Engineers in Seattle. The Corps provides flood risk management by operating dams and coordinating emergency management in western Washington. You'll learn about the Corps' flood-fighting strategy and see how their water managers adapt under rapidly changing conditions.

You'll understand the singular cause of all major floods in the Northwest.

What a surprise - it's rain - but only rain with a specific character and

See **April Program** on page 4

The deadline for the  
May 2014 issue is  
5:00 p.m.  
Friday, April 25, 2014

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Your newsletter editor is:  
**Todd Crandell**  
[seattleASCEnews@gmail.com](mailto:seattleASCEnews@gmail.com)  
Phone: (206) 459-2250

#### CHANGE OF ADDRESS:

All change of address information (including your e-mail address for the newsletter) should be provided directly to ASCE at [www.asce.org](http://www.asce.org) or:  
1801 Alexander Bell Drive,  
Reston, VA 20191-4400.  
The Seattle Section will receive your updated information from ASCE.

**AMERICAN SOCIETY OF  
CIVIL ENGINEERS, SEATTLE SECTION**  
<http://www.seattleasce.org>

Volume 49 No. 8, April 2014  
Published 10 times a year

#### ASCE SEATTLE SECTION NEWSLETTER ADVERTISING RATES

##### Employment Ads:

Employees Wanted:  
75 cents per word

Seeking Employment:  
First 75 words free  
75 cents per each additional word

##### Display and Business Card Ads:

Contact the editor at  
[seattleASCEnews@gmail.com](mailto:seattleASCEnews@gmail.com)  
for pricing and format requirements.

## President's Column

By David Dinkuhn, P.E., Kitsap Branch President

I thought I would open this message with a minor wax philosophical: Every now and again, usually as I am driving home after a branch meeting, I am struck by the lift and energy I get from interacting with fellow ASCE members at our meetings. I suspect it comes from our shared interest in the profession and the engagement we feel as we interact with our presenters and learn about great projects happening in our area. Getting in on this group energy and engagement is what has kept me a regular at the meetings since I joined the branch 8 years ago. My thanks to everyone in the branch for making ASCE membership a great experience.



As for our recent branch activities - there seems to be a steady supply of great local projects and we have been lucky this year to have had some standout presentations. The elephant in the room is the Elwha Dam Removal, which was presented to us by Mr. Don LaFord of URS. I'm sure you all know at least some details. Last spring the lower lake (Lake Aldwell) was open for hiking and I made it a point to go see the lakebed before the vegetation takes over. I have included a few photos from the NPS (after the jump) for your enjoyment.

Another standout presentation we enjoyed is probably news to most of you. The City of Gig Harbor removed 360 feet of concrete culvert along with 8,000 cy of fill and restored the estuary to Donkey Creek, a historical

See *President's Column* on page 3

## Bio for April 16 Speaker

**Larry Schick** is a former on air broadcast meteorologist and award winning environmental, science, and outdoor reporter. Larry was hired by the U.S. Army Corps of Engineers Seattle District in 2003 and works in Water Management as a meteorologist and dam regulator. He was named USACE Seattle District "Scientist of the Year" in 2009. He initiated and co-authored a peer-reviewed research paper: "Flooding in Western Washington: The Connection to Atmospheric Rivers". The paper was published in the December of 2011 issue of the Journal of Hydrometeorology.



Larry received a B.S. degree in Earth Science/ Weather Analysis & Forecasting from Northern Arizona University, Flagstaff in 1975. He began his career as a cartographer, and then worked for five years as an on air broadcast meteorologist for KSBW TV in Monterey, California. He moved to Seattle in 1983 to continue his career as a broadcast meteorologist for KING TV and others from 1983-2003.

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

salmon-bearing stream. The project, which was partially funded by HUD and USFWS, was completed in late 2013 on budget and ahead of schedule. The former road overlying the culvert was removed and a bridge installed in its place. One of the highlights of this approach was the ability for the City to construct a pedestrian path that crossed beneath the bridge and connected two City parks. Again, I have provided a few photos below. Enjoy!

Respectfully,

*David Dinkuhn*

Kitsap Branch President

**Photos from Elwha Dam Removal**



*Elwah Dam coming down!*



*Exposed lake bed*



*Signs of life*

**Photos from Donkey Creek Estuary Restoration**



*Channel near completion*



*Bridge and path (at left)*



*Excavating new stream channel*

## Employment Notice

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.

### Engineer/Senior Engineer

PacifiCorp is seeking an Engineer/Senior Engineer in our Portland, OR office. PacifiCorp is one of the West's leading utilities and currently operates out of six different states.

The position develops engineering studies, plans, specifications, calculations, evaluations, design documents, and performance assessments associated with the planning, design, licensing, construction, operation, and maintenance of the company's hydroelectric projects located in six western states. This position will have significant involvement in dam safety activities.

If you are interested in learning more about the position and our company, please visit our website at [www.pacificorp.com](http://www.pacificorp.com) and reference # 131014.

## April Program (continued from page 1)

profile. And what about snowmelt; does it matter?

Recent research reveals all major floods in western Washington are produced by atmospheric rivers, but what are these unique weather features?

Join us and discover the secrets and spotlight the myths of Northwest flooding and flood risk management utilizing large dams.

## UW Students Request a Professional Engineer and a Contractor

A group of University of Washington civil engineering students has received the "Ackerley Learning to Lead Together" scholarship to design and construct an awning at a food bank near the university (a brick building). The students are looking for a registered Professional Engineer and a contractor who would be willing to work on the project with them, either at a discounted rate or by donating their time. If you or your company would like to support these future leaders, please contact Amy Riley at [amaznamy@uw.edu](mailto:amaznamy@uw.edu).

## April Community Service Event: Rebuilding Together – Seattle

ASCE, along with the YMF, is participating in Rebuilding Together again this year, on April 26, 2014. The house we have been assigned is on Fremont Avenue in Shoreline, which is a group home for folks with intellectual/developmental disabilities. The scope of the project is carpet removal, installation of bead board in the bedrooms, demolition of a shed and possible replacement, and some other miscellaneous repairs. Ideally we should have 20 to 30 folks on the team. The event will be all day; more details will be provided to the volunteers.

Please contact Ross French ([Ross.French@abam.com](mailto:Ross.French@abam.com)) if you have any questions; contact Don Nguyen ([dnng@b-t.com](mailto:dnng@b-t.com)) to RSVP.

## Transportation Committee April Meeting

The Transportation Committee's April event will be a tour of the Spokane Street Bridge. The event will be held Tuesday, April 29, 2014, beginning at 5:30 p.m. If you are interested in attending, please email [ASCE.transportation@gmail.com](mailto:ASCE.transportation@gmail.com) for more information.

## Reach over 2,000 Engineering Professionals

Post Your Employment Ad in this Newsletter  
and on the Seattle Section Web Site

See advertising details  
on page 2

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## ASCE Seattle Section Officer Nominations Due by April 16

By James Chae, Immediate Past President

ASCE is a volunteer organization and depends upon your involvement to enrich our professional community. Involvement can range from committee and technical group participation to leadership roles with the Section Board. If you are interested in greater involvement with the Section, the following Section Board positions starting in September 2014 are open for nominations:

- President-Elect (3 year term - President-Elect, President, and Immediate Past President)
- Treasurer (2 year term)
- Director (Branches) (2 year term)
- Younger Member Representative (1 year term)

Please contact James Chae (425) 990-6832 or [james.chae@jacobs.com](mailto:james.chae@jacobs.com) for more information on these positions.

We are looking for self nominations or suggestions of others that would enjoy serving over 2,400 fellow members in our Seattle Section. To qualify for Board positions, candidates must be subscribing (dues paying) members of the Seattle Section. Nominations can be made in person at the April 16 Section Meeting or via email by 5:00 p.m. on April 16 to [james.chae@jacobs.com](mailto:james.chae@jacobs.com).

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## Richard Williamson Jones Scholarship Applications Now Being Accepted

By James Chae, Immediate Past President

Applications are being accepted for the Richard Williamson Jones Memorial Scholarship, named after Richard Jones who often commented that when he was a student, he would have been much better off if he just had a little more money for books and supplies. The maximum \$2,000 award is given out annually to a student who has attained at least a junior standing in civil engineering. Candidates must be a U.S. citizen and a permanent resident within the

jurisdiction of the Seattle Section of ASCE (King, Snohomish, Kitsap, Whatcom, Skagit, San Juan, Island, Clallam, and Jefferson Counties). Applications must be postmarked by April 5, 2014 to be considered. For further information and application forms visit [www.seattleasce.org](http://www.seattleasce.org). If you have questions, please contact James Chae at (425) 990-6832 or [james.chae@jacobs.com](mailto:james.chae@jacobs.com).

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## University Mentor Night Help Needed

**Location:** Highline Community College, Des Moines, WA

**Time:** Thursday, April 22, 6:00 p.m. to 8:00 p.m.

If you are interested in being a mentor for a night for college students, the Puget Sound Engineering Council (PSEC) needs your help!

The purpose of the mentor night activity has been to bring as many practicing engineers together with as many students as possible. We are trying to inspire the students, most of whom are freshmen and sophomores as well as high school seniors, toward a career in engineering. The mentor night allows engineers to relay their experience in the profession and answer questions posed by students. The event will be kicked off with a brief introduction of the

engineering disciplines represented by the volunteers followed an open forum where the students visit various tables and converse with the mentors. Mentors are asked to bring a sample of work that will fit on a 30"X30" table top for potential discussion with the students.

If you are interested in participating, please sign up online at: <http://www.eventbrite.com/e/2014-highline-community-college-mentor-night-tickets-10798660083>

Maps and further instruction will be sent out prior to the event.

Thank you for your support.

## Training Opportunity for ASCE Seattle Section Members through APWA

The spring 2014 APWA Washington State Chapter conference will be held in Tacoma, Washington, April 15–18, 2014. Along with keynote speaker Eric Haseltine, PhD, APWA is offering 30 technical sessions, including:

- End-to-End Mobile Technology – Capture, Process, Deliver. *Speaker: Aaron Blaisdell, PLS, PACE Engineers, Inc.*
- How Lake Stevens Implemented an Integrated Traffic Impact Fee / Concurrency Program. *Speakers: Mick Monken, PE, City of Lake Stevens, and Edward Koltonowski, Gibson Traffic Consultants, Inc.*
- Value Income Financing: A New Tool for Project Funding. *Speakers: Rep. Larry Springer, Washington State House of Representatives, and Greg Hannon, NAIOP.*
- M Street Underpass SE: Managing Risk and Reducing Cost. *Speakers: Ryan Vondrak, PE, City of Auburn,*

*Gregory L. Callahan, PE, CH2MHILL, and Jacob Sweeting, PE, City of Auburn.*

- Where Does Value Engineering Fit in My Project? *Speakers: Tom Hume-Pontius, WSDOT, Mark Gabel, WSDOT, and Patrice M. Miller Entellus, Inc.*

A complete list of technical sessions and other conference events is available on the conference website at: <http://apwawaconf.com/>

Connect with your peers in the public works industry for two packed days of training, networking, and fun at the APWA Spring 2014 conference!

If you have any questions, contact Lauren Behm, Conference Manager, 253.798.2421, [Lauren.Behm@co.pierce.wa.us](mailto:Lauren.Behm@co.pierce.wa.us) or [LaurenjBehm@gmail.com](mailto:LaurenjBehm@gmail.com).

### New Member Report

Based on the new membership information from the ASCE national database, the following members enrolled to the Seattle Section between February 3, 2014 and March 21, 2014.

|                  |                    |                  |
|------------------|--------------------|------------------|
| Josh Pruitt      | Alborz Ghofrani    | Andrew Kaparos   |
| Frank Stanaszek  | Vu Phan            | Brant Roper      |
| Keven Hoffman    | Michael Gray       | Ibrahima Niang   |
| Rory Jens        | Yu Zhang           | Frederick Poyner |
| Steven Millett   | Matthew Hubbard    | Rafiq Ahmad      |
| Jordan Sewell    | John Samuelson     | Ching-Yi Tsai    |
| Scott Buffington | Vicki Grover       | Matt Cottingham  |
| Robert Long      | Marshall Kosaka    | Brett Jacobs     |
| Randal Anton     | Jose Parada        | Wei Xu           |
| Natasha Howe     | Laura Moser        | John Cowan       |
| Jon Polka        | Matthew Pettit     | Romulos Ragudos  |
| Eric Chin        | Nicole Nagao       | Brett O'Brien    |
| Harrison Gill    | Breanna Veltkamp   | Sonya Gabrielson |
| Kurt Addicott    | Kevin Evans        | Andrew Bhak      |
| Sergey Lukin     | Joshua Olson       | Jan Allen        |
| Ian Dahl         | Grant Finn         | Shelley Collins  |
| Yu Ming Jimmy Au | Benjamin Hennebert |                  |
| James Neher      | Amie Roshak        |                  |

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## ASCE Seattle Section Executive Board Meeting Minutes for February 12, 2014 Meeting

### Attendees:

Perry Cole  
Liz Korb  
Stefanie Herzstein  
James Chae  
Jessica Aguilar  
Mike Harney  
Lisa Harbert  
Shane Binder  
Kelly Dean  
Veronica Vong

Meeting called to order at 4:35 pm by Perry.

MOTION to approve meeting minutes for January brought by Perry and passed unanimously with one spelling change of "mined" to "lined."

### Old Business

-None.

### Treasurer's Report

- Profit of \$1,300.
- About \$18,000 ahead of budget.
- Discussion of costs for WRYMC 2015.
- Consensus to keep dues the same.
- MOTION to approve treasure's report brought by Lisa, seconded by James and passed unanimously.

### Membership Report

- 18 new members, mostly students.
- Year to year, we are slightly up.
- Stefanie looked more into survey of membership questionnaire and brought example handouts.

### Standing Committees

- **Audit Committee:**
  - No new updates.
- **Diversity Committee:**
  - Kelli and Deanna want to add current maternity leave law hyperlink onto website. Also wants to add informational links on pregnancy for company managers.
  - Consensus to add law related maternity leave and return to work information to the website.
  - Recently added info about federal aid jobs.

- **Centennial Committee:**
  - No new updates.
- **House and Hospitality Committee:**
  - Veronica is working with Gene to update the registration page.
- **Legislative:**
  - No updates.
- **PSEC-**
  - Seattle Central Community College Mentor Night was attended by about 110 students, 22 mentors on January 30th.
  - Engineer Week Fair February 8th.
  - Engineer of the year award banquet February 15th. Four members received awards.
  - North Seattle Community College Engineering Mentor Night on March 5th.
- **RH Thompson Scholarship Chair**
  - Amy sent out announcements and Ayn will update the website.
- **University Advisory Committee**
  - Section meeting can be at UW in May.
- **K-12**
  - Successful MOHAI exhibit ended January 18th.
  - Successful Family STEM night - Wednesday Feb 5th.
  - 2014 PSEC Engineering Fair @ Museum of Flight - Saturday, February 9th
  - Amy found a banner possibility. Jessica will look into contacting National.
- **Program Chair**
  - No updates.
- **Professional Practice**
  - No updates.
- **EWB Puget Sound Professionals**
  - No updates.
- **Public Information Chair**
  - No updates.
- **History and Heritage**
  - Liz to send archives to Cindy.

### Branch Reports and Action Items

- Branches have submitted tax info to Sam.
- North Branch met in January. Carl Stielgltz spoke about long-term strategy and commercial risk assessment for large scale projects. Next meeting is March 19 in Bellingham.
- Kitsap Branch met on January 14. The topic was geo-

See *February Minutes* on page 8

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## February Minutes (continued from page 7)

synthetic materials and local applications with Gary Sander.

- Perry submitted a “call to arms” for Kitsap Branch.
- Boeing Branch. Mike discussed some interaction with Boeing Branch with Steve Murphy and Mike and Steve are following up.
  - Mike discussed them taking over Rebuilding Together and the branch was excited.

### Technical Committees and Action Items

- Geotechnical group
  - Nothing in February to report but busy March.
  - Section meeting is March 6.
- Ports and Harbors
  - January meeting was on Automated Stacking Crane Operations. 30 members in attendance.
  - Next meeting is on February 26th at Mirabella on the Port of Seattle Design and Construction Program. Speaker is Ralph Graves.
- Structural Committee/ SEAW
  - No report given.
- Urban Development & Transportation:
  - Nothing to report.
- Water Resources
  - Meeting at noon on February 20 at Brown and Caldwell. Speakers will be Ryan Bartelheimer and Jack Mowreader on Issaquah Creek dam removal.
- Sustainability
  - Committee on Sustainability meeting in Atlanta on February 22- 23. Amanda will be attending.
  - Won WRYMC award for Green Apple Day.

### YMF

- Past Events
  - January 10th- University of Washington Sustainable Site Tour- 8 attendees.
  - January 11th- Farestart Community Service Event- 5 YMF volunteers.
  - January 14th- UW resume review night- 7 YMF volunteers.

- January 16th- UW Mock Interview Night- 4 YMF volunteers.
- January 18th-YEPPS multi-engineering society event- 13 YMF members.
- January 23rd- Popsicle Stick Bridge Competition volunteer meeting.
- February 5th- Seattle Networking and Officers meeting- 14 YMF members.
- February 8- Popsicle Stick Bridge Competition- 70 teams, almost 200 students.

### Upcoming Events

- February 18th- Eastside networking at Bellevue Cactus.
- February 20th- APWA Basalite Concrete Products Tour.
- March 13th- APWA Poker Tournament.
- March 21 to 23- winter leadership and ski retreat.
- April- Rebuilding Together.
- Summer- golf tournament.

### Action Items

- Need to get YMF website updated.

### Miscellaneous

- MRLC (multi region leadership conference) Report posted.
- PSEC Banquet on February 15th.
- Region 8 awards
  - Shane and Evan have been working on scoring rubric for awards to add more on sustainability.
- Nominating Committee- Mike Harney, Shane Binder, Sam Swartz, James Chae, and one Stefanie Herzstein.

### Announcements

- YMF Report- Shane.
- CYM Awards- Perry.
- PSEC Younger Engineer Award-- Perry.
- DiscoverE Award- Perry.

Next board meeting: March 25, 4:30pm.

Meeting called to a close at 5:45pm.