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Visit us on the Web!
sections.asce.org/columbia

Since October 10, 1950

February 2013

Columbia Section Monthly Meeting

Date:	February 20, 2013
Place:	O'Callahan's Restaurant— Directions Shilo Inn, 50 Comstock Street, Richland WA 99352
Meal:	Buffet (Chef's Choice) - \$20 for members and non-members. Pay online or Cash/Check/(Now Credit Card) accepted at the door.
Topic:	Red Mountain South LID Irrigation Project
Speaker:	Paul Cross, PE
RSVP to:	Register online through the ASCE Columbia Section Website. Or contact Teresa Peterson (509) 546-2046 teresa.peterson@hdrinc.com

Greetings,

It's that time of year again, Engineer's week is upon us the week of February 17-23. Hopefully you're all doing your parts to prepare for a week of volunteering and celebrating civil engineering. It just seemed fitting this month to move the meeting up one week so instead of having it the last Wednesday of the month it would be during E-Week. That and there is also a luncheon put on by the Chamber the last Wednesday which involves all the areas various Port Districts.

This month we get to hear about the KID project bringing 1,700 acres of irrigation to property on Red Mountain. Paul Cross joins us from RH2 Engineering. Paul is the Southeast Regional Manager and Water Resource Manager for RH2 Engineering's Eastern Washington Group. He has managed planning, design, and contract administration for municipal utility, water quality, and watershed projects in Eastern Washington since 1983. His experience includes comprehensive plan preparation for irrigation, water and sewer systems, design of utility systems, development of hydraulic models and system analysis, contract administration and management, ULID and loan and grant preparation and administration. He has also directed several water quality assessments and plans and participated in watershed planning and water quality advisory committees.

Next month, we're very excited to host the ASCE National President-Elect Randy Over ([bio](#)) at our monthly meeting. I hope to see everyone come and support Randy, although the venue will be different, Country Gentleman will host us in March. I hope to see you all out this month and feel free to share any stories of volunteering or community service that you do for E-Week. I'm happy to post some of those photos on our Facebook page, or in our newsletter.



Paul Knutzen, PE, LEED AP BD+C
ASCE Columbia Section President



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2013 Tri-Cities Engineers Week Banquet (Feb 22, 2013)

The Tri-Cities Engineers Week Coalition and Washington State University – Tri-Cities are pleased to announce the Tri-Cities Engineers Week Banquet for 22 Feb 2013 (see attached flyer).

2013 Walla Walla Engineers Week Banquet (Feb 21, 2013)

In keeping with tradition, Walla Walla University is also hosting an Engineers week banquet, but in doing so purposely avoids time conflict with the outstanding program provided in Tri-Cities. We will be meeting on Thursday evening, the day before the Tri-Cities event. Poster is attached.

Mid-Columbia Regional Science and Engineering Fair 2013

Every year in the middle of March, the MCSF brings together hundreds of students from Eastern Washington and surrounding areas who get a chance to show off their scientific prowess for fun and prizes. This year's fair will be held on Thursday March 7th, 2013 and the awards ceremony will be on Saturday the 9th. All of the exhibits will be displayed at the Columbia Center Mall, in Kennewick, WA. The awards ceremony will be at the Chief Joseph Middle School Auditorium located at 504 Wilson, Richland. [Go to the website.](#)

Network Tri-Cities Membership Luncheon Wednesday, February 27

The state of the Port's program is being held by Commissioner Jean Ryckman, Port of Pasco, Commissioner Roy D. Keck, Port of Benton and Commissioner Skip Novakovich, Port of Kennewick on Wednesday, February 27, 2013 at the Red Lion Hotel in Pasco. RSVP: 509.736.0510 or heather.hoppe@tricityregionalchamber.com by Friday, February 22 .

ELECTRONIC DOCUMENTS A Draft Board Interpretative Guideline

The State of Washington Board of Registration has developed an Interpretive Guideline for licensees and public officials to refer to for the development of their own processes and practices with digital media in the engineering and surveying professions. [See the Guideline.](#)

OSBEELS is now active on Facebook.

Get the latest information on examinations, applications, meetings, and more by searching "Oregon State Board of Examiners for Engineering and Land Surveying" on Facebook.

ASCE Celebrates Black History Month

A new section of the ASCE Website is a groundbreaking step in ASCE's efforts to shine a spotlight on the contributions of civil engineers from diverse backgrounds, recognizing not only their individual achievements in the civil engineering profession, but also sharing their unique personal journeys to success.. [\(Go to the web address\)](#)

ASCE Releases Final Failure to Act Report

In the first known study of this nature and magnitude, the Failure to Act series examined the long-term effects of investment in infrastructure on the U.S. economy as a whole, presenting a picture of a very grave and rough road ahead, if America does change its present course. [See the Article.](#)

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Branch News

Happy Early Engineers Week!
February 17-23 is Engineers Week. Be proud to be an engineer and tell someone what it is you do and how exciting it is!

Please Take Our Short Survey
We would like to survey our membership to gauge interests on a couple topics. Please take 2 minutes to complete this short, 4 question survey.

ASCE Yakima Branch Survey


**Upcoming
Volunteering
Opportunities**

Engineering Day
February 23, 2013—YVCC
Please volunteer if possible or just bring your kids so they can have a great time! We are expecting a record turnout and could use any help. For more information, please contact Jason Ingalls.

City of Yakima
Spring 2013—Date TBD
Exterior painting of Senior housing and neighborhood cleanup.

Yakima Branch Monthly Meeting

The next meeting will be:

Date: Thursday February 21, 2013
Place: WSDOT South Central Region Office (Board Room)—[Directions](#)
2809 Rudkin Road Union Gap, WA 98903
Meal: Pizza or Sandwiches - free for members and \$5 for non-members. Please pay cash or check to treasurer at meeting.
Topic: **Engineer's Without Borders—Lumwana West Zambia Project**
Speaker(s): **Kelsey Edwardsen & Kyle Mayfield—Bechtel**
Lunch will start at noon. The presentation will begin shortly thereafter.
Please RSVP through 

Lumwana West High School Project in Zambia

We are excited to host Kelsey and Kyle and look forward to their presentation about Engineer's Without Borders and specifically about the Lumwana West High School project in Zambia. The residents of Lumwana West have limited access to education beyond primary (basic) school, due to the high cost of sending a student to a boarding high school in the towns of Mwinilunga or Solwezi. The regional Ministry of Education authority has granted permission for the establishment of a high school in Lumwana West village, but this is contingent on the construction of a science and math laboratory in the village. The chapter has partnered with village leadership to help with construction of the school. The goal of the project is to collaborate with the community to ensure the school building is sustainable and safe, such that the 700 children in the Basic School System in Lumwana West will be able to continue education past primary school.

Kelsey and Kyle will discuss the project scope and their role. Thank them for their service!

ASCE National Strategic Initiatives

Dustin Posten had the opportunity to attend the Western Section and Branch Leader conference in Sacramento, CA and brought back valuable information that will allow us to improve in several areas. Additionally, the national members wanted to put an emphasis on sharing ASCE's strategic initiatives both nationally and locally. To that end, we wanted to provide a quick summary of the three strategic initiatives so our membership understands the direction ASCE is heading.

Infrastructure - The mission is to educate the public and lawmakers about the state of the nation's infrastructure, the economic benefits of improving our infrastructure and the consequences of not doing so. ASCE will be issuing a 2013 Report Card on March 19, 2013. [Infrastructure Information](#).

Sustainability - As the stewards of society's physical infrastructure, civil engineers must lead the next shift in sustainable planning, design and construction. ASCE is promoting Envision™, a sustainability rating system for infrastructure projects. The system will be similar to LEED but streamlined. [Sustainability Information](#).

Raise the Bar - The initiative is for states to adopt and implement higher academic requirements for future professional engineers and emphasize continuing education. ASCE has put together a Civil Engineering Body of Knowledge to explain the future need. [Raise the Bar Information](#).

ASCE and Engineer's Without Borders

In light of our presenter's we wanted to remind everyone that as an ASCE member you can join [EWB-USA at a discounted rate!](#)

To learn more about EWB-USA please visit their website at: <http://www.ewb-usa.org/>





Celebrate Awesome

2013 Tri-Cities Engineers Week Banquet

Friday, 22 February 2013 Red Lion Hotel, Kennewick, WA

Made possible by:
Tri-Cities Engineering Week
Coalition
Three Rivers Community
Foundation
(Tri-Cities EWeek – 3RCF) &



6:00 PM – Social hour with no host bar
6:30 PM – Buffet Open
7:00 PM – Program & Awarding of the
Tri-Cities Engineer of the Year

DINNER RESERVATIONS are required

Before Noon Friday, 15 February 2013: \$280 for table of 8 or \$40 per person
After Feb 15th & before 4 PM Feb 20th: \$320 for table of 8 or \$45 per person
After Feb 20th & before 4 PM Feb 21st (for space still available): \$50 per person
(to join a table contact your technical society or your corporate EWeek POC)

For Information, Reservations (table or individual), to be an Event Sponsor (by Feb 18th for mention in program), or to Sponsor a Local Student with Chaperone contact: Evelyn.Hirt@pnnl.gov or 509-375-4425

Checks for reservations will be made out to "Tri-Cities EWeek Banquet – 3RCF". Invoices will be provided for all reservations with tickets provided upon payment unless special arrangements are made.

Checks for sponsorships will be made out to "Tri-Cities EWeek Sponsor – 3RCF" and sent to Three Rivers Community Foundation ~ 1333 Columbia Park Trail #310 - Richland, WA 99352

Keynote Speaker: **Dr. Ron Melton**

Senior Staff Engineer, Advanced Energy and Power Systems, PNNL
Project Director, Pacific Northwest Smart Grid Demonstration
Administrator, GridWise® Architecture Council

Dr. Melton has over 30 years of experience applying computer technology to a variety of engineering and scientific problems. In addition to Smart Grid related projects, recent experience includes research and engineering in cyber security for critical infrastructure protection and process control system security. He is a Senior Member of IEEE and a Senior Member of the Association for Computing Machinery.



Presenting:

The Grid of Tomorrow vs the Grid of Thomas Edison

The nation's largest regional smart grid project is the Pacific Northwest Smart Grid Demonstration, where engineers at Battelle, ten utilities, University of Washington, Washington State University and five technology companies are working to implement new technology across the five state region of Washington, Oregon, Idaho, Montana and Wyoming. This work is helping transform our electric power system from something that Edison would easily recognize into a grid of the 21st century.

National EWeek Co-Chairs for 2013: Lockheed Martin and NCEES
Learn more at: www.eweek.org

The Future of Engineering:

A GLIMPSE INTO CHALLENGES, TRENDS, AND SOLUTIONS

Walla Walla University's Annual Engineer's Week Dinner

Location: Reid Campus Center, Whitman College

Time: Thursday, February 21, 2013 at 6:30 p.m.

Reservation deadline: Friday, February 15 at noon.

Dinner is \$20.00 per student or \$30.00 for the general public.

For more information, contact Renee at 527-2765.

About the Topic:

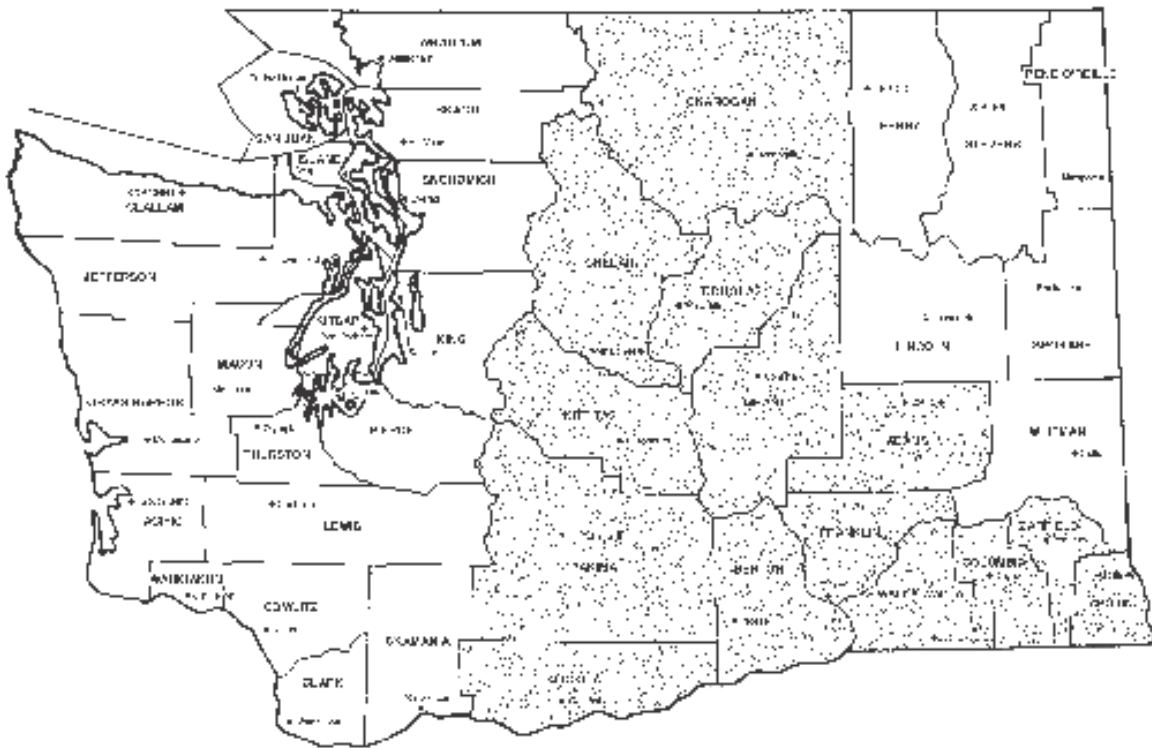
Today's modern equipment and methods require engineers facing complex challenges to possess technical excellence and professional leadership skills. This is required to continue to protect the public and improve quality of life. Blaine Leonard, an award winning engineer and past president of the ASCE will share with us his thoughts on how present level of engineering education – a four-year degree – will not be sufficient to prepare professional engineers for the future. Within engineering, much discussion has occurred in this area, and not all agree, particularly within the professional societies. Mr. Leonard will provide a lively talk (with Q&A to follow) on the challenge, trends, and solutions for making engineers.

About the Speaker:

- 2010 ASCE national president
- Chaired or served on 17 national ASCE committees
- Chaired the Task Committee to Achieve the Vision for Civil Engineering in 2025; is currently chairing a task committee focused on the Raise the Bar initiative.
- 2009 named the Utah Engineer of the Year.
- Currently employed by the Utah Department of Transportation in Salt Lake City, where he is the Intelligent Transportation Systems (ITS) Program Manager.
- Licensed professional engineer in Utah, California, Idaho, Wyoming, Arizona and Colorado.



58th Annual Mid-Columbia



REGIONAL SCIENCE & ENGINEERING FAIR

Held at Columbia Center Mall
Tri-Cities, Washington

March 7, 8, 9, 2013