



# Civil Source

ASCE Utah Section Newsletter

October 2011

## INSIDE THIS ISSUE:

- Northern Utah Branch Update** 2
- Wasatch Front Branch Update** 2
- Southern Branch Update** 3
- Central Utah Branch Update** 3
- Younger Member Forum Update** 4
- Geotechnical Group Update** 4
- Press Release** 5
- Section Contacts** 6
- Flyers/Sponsors** 7

## A MESSAGE FROM THE UTAH SECTION PRESIDENT



*Matthew Robles, S.E., SECB*

Welcome to the October edition of Civil Source. It is that time of year in which we must all renew our membership to ASCE. I'm not sure how many of you know this, but WE ARE IN A RACE! This year, ASCE is giving an incentive to renew by November 11, 2011.. The Section with the highest percentage of renewed members will win a cash prize of \$1,000. Please go to [asce.org/renewal](http://asce.org/renewal) to renew your membership today. I have included with this issue of the

Civil Source a flier from National that I would like all of you to use to win the \$1000.00 for the section. I challenge each one of you to not only renew your membership by November 11, 2011, but encourage and convince one to two other people to do the same. There is no reason why we should not get this \$1000.00.

I had the pleasure of sitting in on the Region 8 Directors board meeting the day before the Region 8 Fall Assembly Meeting that happened here in Salt Lake City, Utah. Blaine Leonard a former Utah Section president and National President updated the group on the current status of ASCE's Policy 465, "Academic Prerequisites for Licensure and Professional Practice." Much of this article is a paraphrase of his talk and literature that he handed out.

For those of you who need a brush up, ASCE's Policy 465 was first passed in 1998 and has been known by many names and the wording has changed two or three times. The most recent version is from April 24, 2007 that states in the preamble, "The American Society of Civil Engineers (ASCE) supports the attainment of a Body of Knowledge (BOK) for entry into the practice of civil engineering at the professional level. This would be accomplished through the adoption of appropriate engineering education and experience requirements as a prerequisite for licensure." In short, it is the policy of ASCE to a require baccalaureate degree in civil engineering, a master's degree, or approximately 30 coordinated graduate or upper level undergraduate technical and/or profes-

*(Continued on page 5)*



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[HTTP://SECTIONS.ASCE.ORG/UTAH/](http://sections.asce.org/utah/)**

## NORTHERN UTAH BRANCH BY PAUL LINDHARDT

We would like to thank all those that attended our opening social in September. We had a great turnout and saw lots of new faces. Congratulations to the winning golf team!! The straw tower competition was lots of fun and the kids came up with some very creative structures.

Our next meeting will be held October 13 at 12 pm on the Utah State University campus. We will be discussing the newly constructed Thermal Energy Storage (TES) tank and learning about the TES system on USU's campus. We will be enjoying a presentation and tour. Lunch will be provided for a small fee. An email will be going out to the NUB email list with more

details in the near future.

If you are not currently on the NUB email list but would like to be, please contact a member of the presidency and we will make sure that you are added. This way you won't miss any future announcements.

Lastly, we are always looking to improve on how we serve you. If you have a comment or suggestion that you think would help the Northern Utah Branch improve, feel free to let one of us know. We know any of you have good suggestions to share.



## WASATCH FRONT BRANCH BY SHAWNA SMITH

The Wasatch Front Branch presidency is working this year to make our monthly lunch meetings as accessible and interesting to as many branch members as possible. With so many exciting projects underway in the valley this year, the Branch presidency has enjoyed planning our future luncheon topics and we have some really interesting speakers lined up to present this year. While we have several topics in mind, we want to hear from our members to know what you want to learn more about. If there is a topic you'd like to hear about or if you have one you'd like to share, please let us know. The branch's email address is [asce.wasatch@gmail.com](mailto:asce.wasatch@gmail.com). We are also working to find a

luncheon location that is central in the valley and convenient for our members, so we'd appreciate hearing any suggestions for locations that we may have not yet considered.

We are excited to kick off our monthly luncheons this October by having Mr. Steve Sands of Kennecott come speak to us about Kennecott's Cornerstone expansion project. This proposed expansion will extend the life of the Bingham mine operation to 2028 and beyond. Mr. Sands is an engineer by trade and has some interesting information to share. We will send out an email with further details shortly, but mark your calendars and plan to join us Friday, October 21 to hear

more about the Cornerstone expansion.

## SOUTHERN UTAH BRANCH BY JARED MADSEN

I would like to thank those of you who attended the webinar this past month on Geosynthetic Reinforced Mechanically Stabilized Earth Walls. I found the webinar to actually be quite interesting and applicable. And just so everyone is aware, we are having difficulties sending out group emails to some of you. It appears that spam filters are not allowing delivery to some email addresses. If you are not getting announcements, please contact a member of the presidency.

On October 21, we will be having a fall social and membership drive – an announcement was sent out last week with details. PLEASE PLEASE extend the announcement to other

people in your organization or anyone who might be interested in attending. We hope to have a good turnout! Keep in mind that membership renewals are coming up. ASCE provides many opportunities for networking, continuing education, technical and professional development, and service within the community. After the social, a group is getting together to head over to the Southern Utah Shooting Sports Park for a friendly shoot. Everyone is more than welcome to come along.

The 2011 ASCE \$1,000 Fall Scholarship Applications are now available. If you know of any full-time students who are in the Engineering/Pre-

Engineering programs at Dixie State College or Southern Utah University, direct them to their department head for an application. The applications are due November 4.

Also, so everyone is aware – the Southern Utah ASCA/APWA Conference will be moved to the fall from now on instead of during the spring. The official dates are September 26 through 28. For those of you who like to plan a year ahead, get that into your calendar! People from northern and central Utah are invited, too, obviously. Thanks.

## CENTRAL UTAH BRANCH BY ERNEST BRAMWELL

At our September luncheon meeting in Orem, we heard an excellent and thought-provoking presentation, by Mr. Michael Brian, on the subject of “Human Equity.” Human associations are never static. Our relationships are either growing by continued investment or declining by abuse or neglect. Building and maintaining good relationships requires time and effort, and consistent adherence to rules and principles that build confidence, good will, and trust. Because each individual has unique interests and agendas, it isn’t possible, or even desirable, to be liked by everyone. Some understanding of, and attention to, others’ needs and agendas goes a long way toward bridging differences and earning the respect and trust of those we hope to serve

and befriend. Mr. Brian showed us how usefulness and genuineness are indispensable ingredients to positive human associations at every level, whether business or private in nature.

At the September meeting, Scott Olsen introduced us to the CUB’s School outreach effort, and offered assistance to those who would like to help school youngsters become aware of and more familiar with the things that Civil Engineers do.

The CUB has presented the names of its nominees for the Utah Section’s awards for **Engineer of the Year** and **Engineering Educator of the Year**. They are Mr. Dave Pitcher, of the Central Utah Water Conservancy District, and Dr. Rollin Hotchkiss, of the BYU Civil Engineering faculty,

respectively. We congratulate those gentlemen and also Mr. Steven Lord, of the CUB, who has been nominated by the Utah Section’s Young Member Forum for the Section’s **Fresh Face of the Year** award.

October’s CUB Branch meeting will be held Thursday, October 13, at 12:00 Noon, at the Provo River Water User Association’s Offices on 1100 North Street in Pleasant Grove. Mr. Jeff Budge will speak to us. The CUB Board will meet Tuesday, October 11 at Noon. Anyone with suggestions or issues touching the CUB is invited to contact any Board member prior to that October 11 meeting.

**YOUNGER MEMBER FORUM BY JENNI OMAN**

With the fall weather, come the YMF officer elections. If you are interested in volunteering, we have the positions of Secretary and Treasurer open. Email me, [jennioman@gmail.com](mailto:jennioman@gmail.com), for more information or to get your name on the ballot. This is the perfect opportunity to become an active ASCE member. If you would like to get more involved in planning YMF events, want to share your input or ideas for future events, but do not want an official title, we will also have various committee openings. Remember, the benefits of your ASCE membership are directly related to your input and participation!

On October 14, we will have our annual Fall BBQ and officer

elections! Come and join us at River Front Park in South Jordan at 6:00p. There will be free food, free prizes, free pre-cleaned pumpkins and free fun! And just in case you missed it, this whole event is FREE! See the flier in the Civil Source for all the details!

The YMF would also like to wish good luck to all those taking the PE Exam on October 28. Just remember to tell yourself what Stuart Smalley says every morning, "I'm good enough, I'm smart enough, and doggone it, people like me!" Good luck! The YMF believes in you!

Want to stay in touch with the Utah YMF? Become friends with the Utah YMF now to en-

sure you are up to date on the latest socials and announcements. Search for "ASCE YMF Utah" on Facebook today!

**GEOTECHNICAL GROUP BY RYAN COLE**

The ASCE Geotechnical Group is excited to announce that we are working with Kyle Rollins (Professor of Geotechnical Engineering, Brigham Young University) to plan a two-day Ground Improvement Seminar tentatively planned for February 2012. Please look for seminar details in up coming Civil Source and through the ASCE Geotechnical Group email list.

ASCE Geotechnical Group is looking for members interested in serving on the Committee. Please contact Ryan Cole ([ryan@gerhartcole.com](mailto:ryan@gerhartcole.com)) for details.

## PRESIDENT'S MESSAGE (CONTINUED)

(Continued from page 1)

sional practice credits (*BODY OF KNOWLEDGE*), and appropriate experience in order for an individual to require professional licensure.

Since its inception in 1998, the BOK required for licensure has been defined and published under the title *Civil Engineering Body of Knowledge for the 21<sup>st</sup> Century*. The most recent BOK publication is the second edition and can be downloaded for free from [asce.org/CE-Body-of-Knowledge](http://asce.org/CE-Body-of-Knowledge). In 2006, the NCEES approved a new model state engineering licensure law and accompanying rules that provide the recommended

state statutory language for protecting the public health, safety, and welfare in the future. This model law targets January 2, 2020, as the earliest implementation date, providing ample time for engineering students to plan their future. Recently, 56 licensing jurisdictions were polled and of those jurisdictions 39 supported the model law, Utah was one of them. As of today, no state has adopted this law.

Currently, NCEES is looking into "alternative pathways" to receive the BOK. One of many concepts that is being looked into is the "vendor concept". This is a concept in which an engineer may obtain the BOK required for profes-

sional licensure by a third party accredited institution. This concept has been successfully used for obtaining of continuing education units in many states.

Much has been happening with this issue, but the wheels of progress often turn very slowly. Remember that for over 30 years the movement to require continuing education for PE licensure renewal has been an ongoing effort. Only 37 jurisdictions have adopted these requirements. Rome was definitely NOT built in a day. If you wish to stay informed on this important issue, please visit: [asce.org/raisethebar/network](http://asce.org/raisethebar/network).

## LOCAL SCHOLAR AND ASCE MEMBER SELECTED TO DESIGN ROBOTIC ROVERS

Salt Lake Community College student and Utah ASCE member Christopher F. Thompson has been selected to travel to NASA's Marshall Space Flight Center in Huntsville, Alabama, to develop a prototype vehicle to roam Mars. Mr. Thompson will participate in the three-day experience through the National Community College Aerospace Scholars (NCAS) program.

Alongside his peers, Mr. Thompson will establish a team and form a fictitious company pursuing Mars exploration. The team will create a company infrastructure to design and develop a rover. The experience includes a tour of NASA facilities and briefings from agency scientists and engineers. Mr. Thompson is among 48 students from 25 states who will visit Marshall November 8 through 10. Mr. Thompson was the only student from Utah se-

lected for this program.

"Community colleges are a tremendous source of talented problem solvers and will help feed skilled scientists and engineers into the nation's workforce," said Susan White, Director of Education at Johnson Space Center in Houston, where the program is coordinated. "This program helps inspire students to pursue STEM careers in the future." Mr. Thompson and other participants were selected based on completion of web-based assignments during the school year centered on science, technology, engineering and mathematics (STEM) content.

NCAS is based on the Texas Aerospace Scholars program, originally created in partnership with NASA and the educational community in Texas. The program is designed to encour-

age community and junior college students to enter careers in science and engineering and ultimately join the nation's highly technical workforce.

For a complete list of the students, their states and the community colleges they represent, visit: <http://go.usa.gov/OTX>

For more information about NASA's education programs, visit: <http://www.nasa.gov/education>

<b>Utah Section</b>	<b>President</b> Matt Roblez, P.E. McNeil Engineering matt@mcneileng.com 801.225.7700	<b>President-Elect</b> David Eckhoff, P.E.  deckhoff@xmission.com 435.655.3453	<b>Secretary-Treasurer</b> Steffanie Rhea CH2M Hill steffanie.rhea@ch2m.com 801.350.5219	<b>Past President</b> Micheal McKamey, P.E. Ovivo USA micheal.mckamey@ ovivowater.com 801.931.3305
<b>Wasatch Front Branch</b>	<b>President</b> Shawna Smith, P.E. Parsons Brinckerhoff shawnamssmith@gmail.com 801.741.8864	<b>President-Elect</b> Paul Barney, P.E. Jacobs Engineering paul.barney@jacobs.com 801.829.7373	<b>Secretary-Treasurer</b> LeeAnn Miller, P.E.  leeannm@earthlink.net 801.886.9052	<b>Past President</b> Brian Warner, P.E. McNeil Engineering brian.w@mcneileng.com 801.255.7700
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<b>Central Utah Branch</b>	<b>President</b> Ernest Bramwell, P.E. Horrocks Engineers ernieb@horrocks.com 801.763.5120	<b>President-Elect</b> Katie Doyle, P.E. RBG Engineering kdoyle@rbgenengineering.com 801.400.9222	<b>Secretary-Treasurer</b> John Miller, P.E. Horrocks Engineers johnm@horrocks.com 801.763.5141	<b>Past President</b> Todd Awerkamp Horrocks Engineers todda@horrocks.com 801.763.5203
<b>Younger Member Forum</b>	<b>President</b> Jenni Oman, P.E. Salt Lake County jennioman@gmail.com 801.468.2664	<b>Vice President</b> Jessica Rice, S.E. URS Corporation jessica_rice@urscorp.com 801.965.4161	<b>Secretary</b> Kyle Cook, P.E. Fehr & Peers k.cook@fehrandpeers.com 801.463.7600  <b>Treasurer</b> Tamaran Woodland Salt Lake County tamaranwoodland@gmail.com 801.468.3705	<b>Past President</b> Thomas Stiles, P.E. Horrocks Engineers toms@horrocks.com 801.763.5100



# **The 2011 ASCE Section Renewal Race is on ... Fast Track Our Section to Win \$1,000!**

Renew your ASCE membership by November 15, 2011 – and encourage fellow Section members to do the same! Go to [www.asce.org/finishline](http://www.asce.org/finishline).

The Section with the highest percentage of renewed members by November 15, 2011 will win a cash prize of \$1000! A total of three \$1,000 prizes will be awarded to an ASCE Section from each category (Large, Medium, Small).

**Get into the Renewal Race today, and keep our Section on pace to win \$1000. Up to 80% of members that renew early also pay Section dues!**

**Renew your ASCE membership by November 15, 2011 and encourage fellow Section members to do the same.**

**Go to [www.asce.org/finishline](http://www.asce.org/finishline).**

For contest rules, go to [www.asce.org/finishline/rules](http://www.asce.org/finishline/rules)



# Fall Social and Membership Drive

**OCTOBER 21, 2011**  
**12:00 PM - 1:00 PM**  
**Near the Southern Utah Shooting Sports Park**

Since 1852, ASCE has been home to the great minds and innovators of the world, the unsung heroes who create the infrastructure that society is built on. Advance your civil engineering career as we work together to improve Southern Utah.

We will be having a fall social and membership drive to kick things off for the upcoming year. Pizza and drinks will be provided. Come join us for a chance to socialize, network, and discover the invaluable array of benefits and opportunities that make ASCE your ideal professional association. Cost is \$10 per person - unless you bring a nonmember, in which case it's FREE for both of you!

<http://join.asce.org/>

Join the American Society of Civil Engineers Southern Utah Branch today!



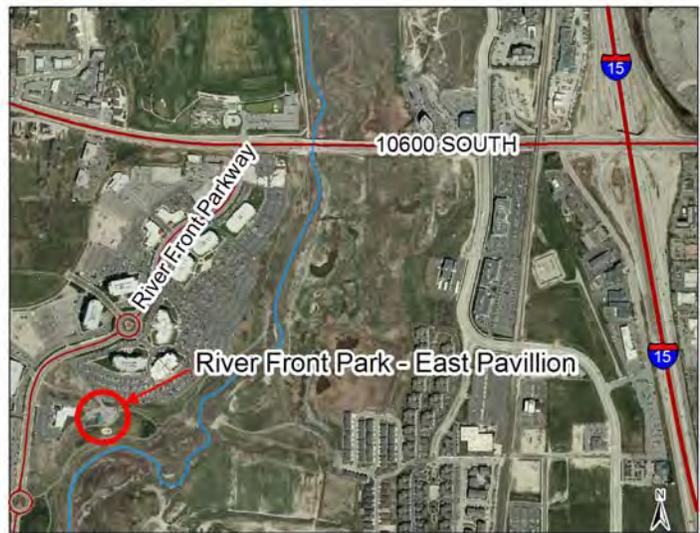
# YMF Annual Fall Bash!

Come celebrate the autumn season at the Utah Younger Members Forum Fall Bash!! Make new friends, reconnect with old friends. Win FREE prizes for yourself and your family, carve FREE pre-cleaned pumpkins, and share some great FREE food!! You do not need to be an ASCE member to attend this event! Did we mention the whole thing is FREE???

Friday October 14<sup>th</sup>, 6pm

Riverfront Park - East Pavillion  
11000 South River Front Parkway, South Jordan.

Look for the sign with the ASCE YMF logo!

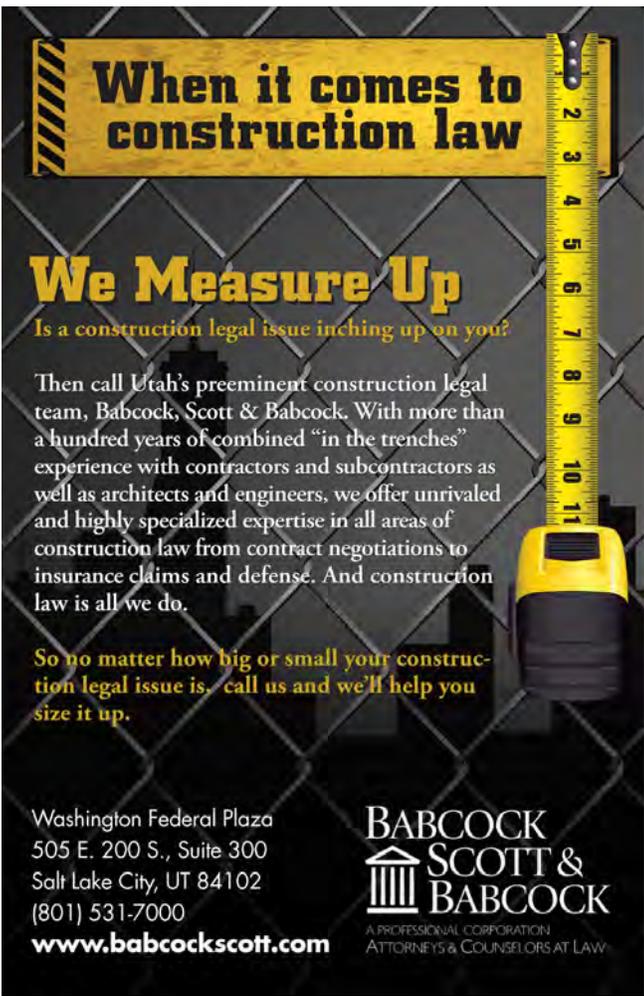


Officer elections will be held at this event, if you are interested in running contact Jenni at [jennioman@gmail.com](mailto:jennioman@gmail.com)

The ASCE *Civil Source* is now offering ad space in four sizes:

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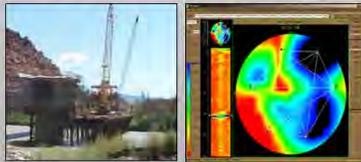
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The *Civil Source* is published at the beginning of each month. If you have something you would like to have published, please contact me!

Kimberly Whitaker  
ASCE *Civil Source* Editor  
[kwhitaker@pec.us.com](mailto:kwhitaker@pec.us.com)

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