Dear Membership,

At the blink of an eye, it’s March and we have all made it through another rugged southern California winter. Ok, I admit, we have little to complain about when it comes to weather. While it’s not much different than the other seasons, the spring marks the time for the ASCE San Bernardino-Riverside Branch to recognize the local agencies and engineering firms for their outstanding efforts over the last year.

In the upcoming weeks, the branch will release the application for the 2014-2015 Outstanding Achievement Awards, which include: Outstanding Individual Engineer, Outstanding Private Sector Project & Outstanding Public Sector Project. All necessary details will be provided in the document itself. What the application will not describe is how the overall ASCE award program has evolved into a more collaborative and significant recognition process.

The branch awards program has gained momentum over the years with more and more interesting and dynamic award applicants, but it doesn’t stop there. The LA Section of ASCE, who oversees our branch, has made significant strides towards increased emphasis and recognition of outstanding candidates by aligning the overall program in a successive trickle up fashion. The awards programs through ASCE are now properly aligned to recognize projects and individuals from the branch to the section and potentially to the national level within the same year. In 2014, our branch alone had one engineer and two projects that were first recognized at the local level, then went on to win awards at the state/regional level of ASCE, with one project gaining recognition at the National Level. See this link for more immediate information on the process:


...CONTINUED ON PAGE 4
The Alaskan Way Viaduct is a double decked elevated section of State Route 99 and a vital north-south route through downtown Seattle. The viaduct runs along the Elliot Bay waterfront of downtown and by the end of the 20th century became one of the state’s busiest and most important sections of highway, carrying 110,000 cars each day.

Planning for the viaduct began in the early 1930s, primarily to relieve congestion. By 1949 the design was finalized and a combination of city, state and federal funding contributions was assured. The viaduct was built in three phases to minimize disruption and secure funding for each section. The first phase was built between 1949 and 1951; the second phase began before the first was completed and was finished in 1952; the last section began in 1951 and completed in 1953. These three sections were opened to traffic on April 4, 1953.

...CONTINUED ON PAGE 4
fun•food•networking bragging rights!

ASCE San Bernardino/Riverside Branch, YMF & Students
2015 Softball Tournament and BBQ

SAT, MARCH 7th
8:30 AM—1:00 PM

8:30 a Overview of Rules
8:45 a Round 1: Round Robin (2 matches)
10:30 a Semi-Final Match
11:15 a CHAMPIONSHIP GAME
12:00 p Lunch (BBQ and hangout)

Ellena Park
7139 Keyton Way
Rancho Cucamonga

Everyone is welcome!
Come join us for some (semi) friendly games of softball as the Branch, YMF, CPP and CBU go head to head! There will be plenty of good times. Players of ALL skill levels are welcome!

To RSVP and join a team, email Dillon Strand at dillon.strand@gmail.com
President’s Message

...CONTINUED from PAGE 1

I hope that this brief update on our awards program will motivate you all to look around at the exemplary engineers and projects in your area, and perhaps get the ball rolling on recognizing those efforts. Why not stand up and recognize our fellow professionals that have excelled in their duty to “hold paramount the safety, health, and welfare of the public”?

Sincerely,
Brandon Reyes, P.E., M.ASCE
Branch President

This Month in Engineering History

...CONTINUED from PAGE 2

The 6.8 magnitude 2001 Nisqually earthquake damaged the viaduct and caused it to settle into the weak fill soil underneath. The Washington State Department of Transportation (WSDOT) invested 14.5 million dollars in emergency repairs. Engineers agreed that had the quake lasted a few moments longer the viaduct would have collapsed. Since the earthquake occurred, semi-annual inspections discovered continuing settlement and thus continual damage and it became clear the viaduct needed to be replaced.

During the next decade after the earthquake, state and local agencies studied more than 90 alternatives. Ideas included tunnels, surface streets and bridges. During this same time period tunneling technology was advancing so fast that by 2008 boring a tunnel became the most viable alternative.

In the summer of 2013, Bertha, the world’s largest tunneling machine, began digging the SR 99 tunnel beneath downtown Seattle. Bertha is as tall as the Alaskan Way Viaduct she is replacing (57ft in diameter); she is 326 feet long and weighs 7000 tons. In December 2013, excavation stopped approximately 1000 feet into the dig after Bertha experienced increased temperatures and it was discovered that she had been damaged. Due to these setbacks and needed repairs Bertha has only traveled 1,048 feet of a total 9,270 feet needed.
STEM “U” LATE Your Mind:
Pi (π) Day

Moreno Valley College
16130 Lasselle Street
Moreno Valley, CA 92551

Saturday- March 14, 2015

Time: 9:00 A.M. - 3:00 P.M.

VOLUNTEERS NEEDED

We need volunteers interested in an exciting opportunity to impact students’ lives. The event features several hands-on stations from professional, community, and educational organizations to increase the number of students interested in pursuing educational and career opportunities in STEM and health related fields. ASCE YMF will be hosting an activity and we need your help! Please sign up to volunteer at any time of the day possible for you. Shifts will be available.

Contact: Xochitl Lozano xochitl.lozano@mbakerintl.com

Joel Lozano lozbar18@gmail.com
Wednesday March 11, 2015

Topic: Government Liability for Flood Damage

Synopsis: When property is flooded during a storm event, many times blame for those damages is leveled (with or without justification) at the local public agency. What are the potential liabilities of public agencies involved in design, construction and maintenance of public storm drain and flood control facilities?

Harvey “Chip” Wimer III, a partner at Graves & King LLP in Riverside, has been representing public entities in flooding-related litigation for over 20 years. Mr. Wimer will provide an overview of the complex legal issues encountered by public agencies as a result of flood damage claims.

Time: Location:
6:00 - 6:30 pm: Check-In/Networking  MEXICALI BAR & GRILL
6:30 - 7:00 pm: Dinner  1690 Spruce St
6:45 - 7:15 pm: Presentation  Riverside, CA 92507
7:15 - 7:25 pm: Q&A  (951) 781-6682
7:30 pm: Adjournment

Cost:  Members $35 prepaid; $40 at the door (with reservations); Non-members and walk-ups $45.

Send your request for a vegetarian meal to Cynthia.Gabaldon@cgrme.com

Reservations: RSVP by March 9, 2015 at 12 noon to Cynthia.Gabaldon@cgrme.com. No refunds after this date. Include the names of all persons attending with membership number (if applicable). Your advance reservations, made and honored, are essential to fulfilling our catering commitment. No shows will be billed. Seating is limited and payment at the door will be accepted based on availability. Reservation response is still necessary.

By mail, please make checks payable to “ASCE Stormwater Committee” and mail to: Bill Flores Jr.
ASCE Stormwater Committee Chairman
HDR Engineering, Inc.
2280 Market St. Suite 100
Riverside, CA 92501

Parking: Free parking is available.
ASCE Technical Tour and Presentation

Come & learn about: The Yucaipa Valley Water District

Connecting roughly 50,000 people through 12,000 service points; the Yucaipa Valley Water District has the monumental task of keep the faucets flowing and the sewer moving. Come out and learn where the YVWD sources their water, what methods they use to treat the water and enjoy an informative tour of one of their many filtration facilities. Spots are limited so contact Nick as soon as possible.

Event Information:

Friday, March 13th, 2015
9 am to 10:30 am
Presentation (with light breakfast) & Facility Tour

Address:
35477 Oak Glen Road
Yucaipa, CA 92399

Limit 15 attendees

To book your spot today, please contact Nick Broskoff: Nick.Broskoff@gmail.com

Event Organized by:

(Directions on following page)
Yucaipa Valley Regional Water Filtration Facility at Crystal Creek
35477 Oak Glen Road, Yucaipa, California 92399

From Los Angeles / San Bernardino / Redlands:
Take Interstate 10 east to the Oak Glen Road / Live Oak Canyon exit. Turn left onto Oak Glen Road over Interstate 10. Continue on Oak Glen Road past Yucaipa Boulevard and Bryant Street. Proceed to the entrance of Crystal Creek on the south side of Oak Glen Road at 35477 Oak Glen Road.

From Palm Springs / Beaumont:
Take Interstate 10 west to the Oak Glen Road / Live Oak Canyon exit. Turn right onto Oak Glen Road from Interstate 10. Continue on Oak Glen Road past Yucaipa Boulevard and Bryant Street. Proceed to the entrance of Crystal Creek on the south side of Oak Glen Road at 35477 Oak Glen Road.
SAN BERNARDINO-RIVERSIDE BRANCH

ASCE HAPPY HOUR!

THURSDAY MARCH 19TH – 6PM TO 8PM

@ the new INNOVATION BREW WORKS
3650 W. TEMPLE AVE
POMONA, CA 91768
By: Andrea Gonzalez, E.I.T., A.M. ASCE

ASCE San Bernardino/Riverside Counties YMF (YMF) and the Cal Poly Pomona (CPP) ASCE student chapter hosted its second collaborative event at CPP on Friday, January 30. This event consisted of three professional development workshops: resume review, mock interviews, and a mock job fair that ran simultaneously every hour from 2:00-5:00PM.

Last year, CPP ASCE asked YMF to help them organize such an event so the students can be prepared for the upcoming job fairs. As a result of last year’s successful turnout, YMF and CPP ASCE hope to continue this event for many years to come.

YMF brought 34 industry volunteers to help out with this event; these volunteers were distributed amongst the three workshops and helped students greatly enhance their resumes, sharpen their interview skills and provided students with feedback on their elevator speeches.

The resume review workshop consisted of a short presentation given by Mark Swanson, YMF President and Project Manager for CASC Engineering and Consulting who gave tips and advice for an effective resume. The “interactive” activity then followed after the presentation—industry volunteers reviewed students’ resumes and provided them with feedback.

The mock interview workshop consisted of a short presentation provided by Julianna Gonzalez, SB/R Branch Newsletter Editor (YMF Past, Past President) and Associate Civil Engineer for Riverside County Flood Control and Water Conservation District who provided do’s and don’ts of interviewing. After the presentation, students rotated amongst the industry volunteers who served as the interviewers. The overall goal was for students to be exposed to different types of interviewers and to be provided constructive criticism on what they are doing well and what they need to improve on. Several interviewers were part of a two-person or a one-person panel and this greatly benefitted the students.

The mock job fair workshop consisted of four companies that were invited to participate in this joint event: RBF Consulting, U.S. Army Corps of Engineers, Albert A. Webb & Associates, and Kimley-Horn Associates. Representatives from each of these companies set tables up in order to mimic a job fair that would allow students to enhance their elevator speeches when speaking to representatives. Company reps then provided students with feedback on what they needed to improve on. Students enjoyed speaking to the representatives and learned what they needed to work on for the actual job fair.

Overall, this was a fun and successful event. YMF and CPP ASCE are looking forward in collaborating on another event next year—this event would not have been possible without the industry volunteers who took time out of their busy schedules to make this happen and the student volunteers who helped set-up, clean-up, participated in this event and who were amazing co-hosts. Thank you once again to all volunteers, student and industry volunteers alike for helping make this event a reality!
Last month, the CBU ASCE student chapter had a full agenda. During the month of February, we engaged in a Career Fair where many different engineering firms were in attendance. This gave members a wonderful opportunity for jobs and internships. Also, Mike Sampson, SB/Riv. ASCE Treasurer & Assistant Traffic Engineer, came and spoke to our chapter. Our guest speaker was able to give insight to the students and encouraged them to be active in their chapter. He shared personal experiences on how ASCE has helped him in both his academic and professional career. Lastly, ASCE held a “Sports Day” on campus which allowed both members and non members to take a break from their studies and enjoy some friendly games of basketball, volleyball, Kan Jam. We finished the event with popsicles for everyone!

This month, our members look forward to the many events that are scheduled to take place! The President Elect visiting is especially an exciting event, we look forward to having Mark W. Woodson speaking to CBU ASCE.

Along with all the events planned, students are beginning to get their PSWC teams together and have started projects and begun practicing for the athletics events as well. Our chapter is extremely excited to be participating in the Concrete Canoe competition this year. Although we have Spring Break in a few weeks, the Steel Bridge and Concrete Canoe team are pushing strong and plan on working through the break to ensure that both projects are ready for the big day! We feel very honored and blessed to have come so far in just a matter of a few short years! GO LANCERS!!!

Upcoming Events:
3/6 President Elect Visiting CBU
3/7 YMF Softball Tournament
3/7 Life Member Brunch
3/17 Development Workshop
3/20 LA YMF Job Fair

ASCE Meetings:
• March 5th, 2015
• NO Meeting, March 19th
• Spring Break!!!
The second annual Professional Development Workshop was co-hosted with the Young Member Forum's San Bernadino and Riverside branch on Jan. 30 to help CPP ASCE members improve their interview skills, hone their resume, and participate in a mock job fair. The event invited working professionals to volunteer for any of these three workshops. Members went through the mock job fair and interviews as if they were real but were able to receive invaluable feedback from the professionals afterwards. During the resume workshop a presentation was given to teach students what does and does not make a good resume. After the event, volunteers and students were invited to an evening of bowling and socializing at Oak Tree Lanes in Diamond Bar. Members gained valuable experience and learned much about the working world and their resumes will be sent to each of the volunteers in industry.

CPP ASCE attended a technical tour at the Metropolitan Water District on Feb. 13. The tour consisted of a walkthrough of the Ozone Treatment Plant construction and the Weymouth Water Treatment Plant. Attendees also received a tour of the different facilities that contributed to the treatment plants. In addition to all of the technical knowledge that was shared, students received interesting historical knowledge about the site and the surrounding area as well. One of the most interesting things we were able to see is the junction that receives and mixes water from the California Aqueduct and the Colorado River Aqueduct. We also learned that the Water Treatment Plant, being the seventh largest plant in the country, can pump 520 MGD and serves approximately 19 million people.

Thirty-two billion tons of plastic waste was generated around the world in 2012 and only nine percent of that plastic was recovered for recycling. However, CPP ASCE is doing its part in helping reduce plastic waste by having a water bottle fundraiser and selling them for $10 each. The idea came from Co-Conference Chair, Pamela Harlow, and was completed by Engineering Council representative Taylor Thorig. So far, CPP ASCE has sold 32 water bottles. The goal is for everyone attending PSWC to stay hydrated while having matching water bottles and even if it is not an ASCE water bottle, it is easy for anyone to buy a reusable one and help reduce plastic waste.

CPP ASCE attended a technical tour at Kiewit's Scattergood Facilities in El Segundo, Calif. on Jan. 25. Students received a walkthrough of the project site and had an opportunity to see the construction side of engineering. The Scattergood Generating Station is being designed for LA DWP and once complete, it will have a total generation of 500 MW. The project involves replacing the current facilities with a modern, state-of-the-art combined-cycle unit and simple-cycle gas turbine unit. While touring the site, students learned how the turbines worked and the difference between the two units, about different types of retaining walls, and the functions that various structures served.

Quick Reads

♦ CWEA and ASCE hosted a fundraiser at Shakey's Pizza Parlor and a fun broomball game afterwards on Feb. 19.

♦ Four officers traveled to Seattle, WA in Feb. 20 – 21 for the Workshop for Student Chapter Leaders.

♦ CPP ASCE participated in Engineering Week, a week-long event hosted by the college’s Engineering Council from Feb. 23 – 27. Each day was a different activity, such as dodge ball and free food.
Civil engineering professor emeritus Donald G. Wells passed away on May 1, 2014 following an extended illness. Affectionately known as “Water Wells”, he was a leader in the environmental and water resources group within the Civil Engineering Department and was especially instrumental in enhancing the department’s laboratory facilities. A graduate of Stanford University, he joined the faculty in 1970 and retired in 2003.

Wells was actively engaged in student extracurricular activities, both formal and informal. He served for many years as the faculty advisor for the Cal Poly Pomona chapter of the American Society of Civil Engineers (ASCE), and loved playing volleyball and other impromptu sports with his students. He set a very high standard for faculty-student rapport and mentorship, a legacy that continues to this day. His retirement party in 2003 will long be remembered for its outpouring of affection from his former students, many of whom have gone on to very prestigious positions in the industry and government.

Donald G. Wells Memorial Scholarship

In memory of his legacy, the College of Engineering has created the Donald G. Wells Memorial Endowed Scholarship. Donald touched so many lives in a positive and supportive way. Contributing to this scholarship will help that tradition continue. Your gift to the Don Wells Scholarship Endowment is 100% tax deductible. The tax ID number is 95-2417645. To contribute to this fund, please follow the donation link below:

https://secure.qgiv.com/for/dgwmes
Donald G. Wells
ALUMNI GOLF TOURNAMENT
Cal Poly Pomona Civil Engineering

SATURDAY, APRIL 25, 2015

7:00 AM | CHECK IN
9:00 AM | TOURNAMENT START
2:30 PM | LUNCH BANQUET

Register here for Tournament (4-Man Scramble)
Register here for Banquet

Questions? Contact us at: cppascegolf@gmail.com
Want to get involved?

Contact your local Branch OR Younger Member Forum for the next tour or technical presentation scheduled

Your local Branch and YMF chapters coordinates tours of projects that help you to enhance your civil engineering knowledge as it applies to projects all around us.
Employment Opportunities

Temecula Engineering Consultants, Inc. (TEC) is looking for a self-motivated individual to work, under the supervision of a senior civil engineer, on a wide array of civil projects. The position is full-time.

Successful candidate should have experience with: drainage and flood control projects; hydrology and hydraulic software; preparing grading design and improvement plans; and be able to communicate well both orally and in writing. A licensed engineer is not necessary, but would be advantageous; candidate should possess a driver’s license and a Bachelor’s Degree in Civil Engineering or progressing education.

Offering a team-oriented working environment with competitive compensation package, health insurance, holiday pay and paid vacation.

Send resumes to TECHR@Verizon.net

CValdo Corporation, currently has employment opportunities for a Project Manager and Senior Project Manager with expertise in drainage and flood control projects. Qualified licensed California Civil Engineering candidates please send cover letter, resume and professional references to Human Resources via e-mail at marielc@cvaldo.com. For detailed job descriptions and company information, see our website at www.cvaldo.com/careers.html.

RBF Consulting, a Company of Michael Baker International, seeks several Land Development and Public Works Engineers and Designers in our Palm Desert and Temecula offices. For additional details and to apply please visit:

https://career.mbakercorp.com/

David Evans and Associates, Inc in Ontario, CA office is hiring a Professional Civil Engineer (PE) to support our land development business unit. The successful candidate will work on multidiscipline projects performing independent engineering calculations and design using specialized technical skills, experience and engineering judgment to transform concept designs into construction drawings and technical specifications. Please use the following link for more information:

Careers at David Evans and Associates, Inc.

Want to advertise an employment opportunity? Contact the Newsletter Editor at juliannagonzalez@rcflood.org
Upcoming Events

March 7, 2015 – Softball Tournament and BBQ
March 11, 2015 – Stormwater Committee Meeting
March 13, 2015 – Yucaipa Water District Technical Tour
March 14, 2015 – STEM U Late Your Mind: Pi Day
March 19, 2015 – Branch Happy Hour

Membership Information

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<tr>
<th>Types of Membership and Annual Dues (National)</th>
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<tr>
<td>Students:</td>
<td>Free</td>
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<tr>
<td>Associate Member:</td>
<td>$50 per year of Baccalaureate degree and first year after, then incremental increases to $225 over five years.</td>
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<tr>
<td>Member:</td>
<td>$225</td>
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<tr>
<td>Affiliate:</td>
<td>$225</td>
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<tr>
<td>Section (Branch) Dues:</td>
<td>$55</td>
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National ASCE student membership is now FREE! Those who have chapters or clubs still must be a member of them before joining National. Log onto https://www.asce.org/online, fill out the short application or call 1-800-548-ASCE (2723) and instantly become a member of ASCE.

Online membership renewal is available! Go to https://www.asce.org/renewal/infor renewal.cfm. You will need your membership number. All payments must be made with a major credit card. An e-receipt is transmitted to the member upon completion of the transaction.

Newsletter Information

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