February is coming to a close and that means that Engineers Week has come and gone. I would like to thank each and every volunteer that participated in the E-Week events that were hosted by the Branch, YMF, student chapters, and committees. I had the pleasure of attending the Inland Empire Council of Engineers and Scientists (IECES) annual meeting at the University of Redlands. IECES gathers each year during E-Week to bring together all branches of science and engineering: civil, military, public works, mechanical, aerospace, electronics, and public education. This year they brought in Professor Hany Farran from Cal Poly Pomona to present the contributions of Civil Engineers and engineers at large regarding the advancement of society throughout time. Mr. Farran's knowledge and passion of engineering achievements and contributions to society were well received and motivating to continually gain knowledge and use that knowledge to improve the world around us.

As we head into March, I encourage you to begin thinking about your firms/agencies/peers achievements over the last year that should be recognized in the ASCE San Bernardino-Riverside Branch's 2015-2016 Outstanding Achievement Awards program. In the upcoming weeks, the Branch will release the application for the 2015-2016 Outstanding Achievement Awards, which include: Outstanding Individual Engineer, Outstanding Private Sector Project & Outstanding Public Sector Project. The ASCE award program offers a great chance to distinguish projects and peers throughout the Inland Empire; and let's face it, while engineers are known for being the boastful type, recognition for the hard work it took from a well-organized team, is deserved and well received. Projects nominated and selected at the Branch level get promoted up to the LA Section level, Region 9 level, and potentially to the National level within the
“Why don’t we just build lots of reservoirs to capture the rainwater instead of letting it run off into the ocean?” said many people as we entered California’s fifth year of historic drought. While it is actually a good idea to capture stormwater for groundwater recharge and reservoirs, it is not very cheap or very easy. However, many agencies around Southern California indeed have completed such projects and have proven themselves beneficial to local groundwater supplies. Stormwater capture projects are relatively simple to construct, but finding large areas of available land located near rivers above groundwater basins to park the water and preparing extensive environmental compliance documents are time consuming and expensive processes. Instead of relying on rain water which is notoriously infrequent and brief for Southern California, we have constructed surface reservoirs designed to store generally reliable excess water received from Northern California via the State Water Project.

Southern California actually has one of the largest surface water reservoirs in the State, which is located in our backyard near the City of Hemet. You may know this reservoir as Diamond Valley Lake, the 13th largest and one of the newest in the State. The Metropolitan Water District of Southern California (MWD) began planning of the lake in 1987 and after four years of study it was determined that the Domenigoni Valley (southwest of Hemet) would be the best site to build the largest reservoir in Southern California.
This site was chosen because of its geographic location west of the San Andreas Fault, close to the State Water Project canal water source, and the perfect material for construction could be found in the surrounding valleys.

To truly understand the project magnitude, construction of Diamond Valley Lake and the three necessary dams (West Dam, East Dam, & Saddle Dam) is recorded as one of the largest earthwork projects in the history of the United States. Construction began in September 1995 and after 40 million cubic yards of foundation excavation and 110 million cubic yards of embankment construction, Diamond Valley Lake was completed in December 1999 and would be the largest construction project undertaken by MWD.

Understanding the lack water supplies in Southern California, MWD sought to double the existing area’s surface water storage capacity and provide water supplies during times of drought, peak summer demands, emergencies and natural disasters. The lake has a capacity of 810,000 acre feet of water or 264 billion gallons and is now supplied by the State Water Project from Lake Silverwood through the Inland Feeder after initially being filled in 1999 with water from the Colorado River Aqueduct through the San Diego Canal. In consideration of the two nature reserves created at Diamond Valley Lake and home to at least eight types of habitats, 16 sensitive bird, animal, and plant species, it is truly a model of environmental stewardship and confirms that the initial enormous environmental impacts ultimately provide an environmental benefit arguably of greater value than before.
President’s Message

...CONTINUED from PAGE 1

same year in a successive trickle up fashion. See this link for more immediate information on the ASCE awards process:

http://www.ascelasection.org/awards

I have seen several notable civil engineering projects completed in the last year throughout the Inland Empire and hope to see these projects and professionals recognized for their contributions to society.

Lastly, don’t forget about the great opportunity that the Branch has put together for the March Technical Workshop on grant writing. The workshop will be on March 16 at the City of Corona hosted by Dr. Beverly A. Browning, MPA, DBA. See the flyer herein for more information. Hope to see you there!

Sincerely,
Steven W. Ledbetter, P.E.
San Bernardino and Riverside Counties Branch President

Lighter Side

How do you know if someone is an engineer?

Don’t worry they will tell you!
High School Student Outreach during E-Week

By: Michael Andersen, P.E.

First off, Cheers to all the Engineers! Engineers Week was a great success! ASCE San Bernardino/Riverside Counties members from the Branch, YMF and a Student Chapter presented to students at the Ontario High School on our great Civil Engineering profession. We presented to over 300 students in their AVID program during 6 periods on Friday, February 26th. The Ontario High School has an engineering club and it was amazing to meet several students that were already so excited about Civil Engineering and be able to answer questions they had about choosing a college and different career path opportunities. We appreciate the volunteers who came out and represented the whole spectrum of the profession from students, younger members, public and private sector engineers, and also a Civil Engineer who owns a local firm. The students and faculty expressed their appreciation for the time spent.

YMF Community Outreach in Riverside

By: Ryan Johnson, EIT

On February 6th, ASCE along with WSP | Parsons Brinckerhoff teamed up with Keep Riverside Clean and Beautiful to volunteer for the clean up of the City of Riverside’s Ward 2. There were numerous other organizations participating in the event that assisted with graffiti abatement, litter removal, community greening, and storm drain clean ups. Our specific group had a turn out of twelve volunteers of which we were assigned for litter removal in a section within ward 2 of the city of Riverside. General consensus from the volunteers that participated is it was a very rewarding experience, one in which we could visually see the improvements our work had done in the section that we were assigned.
The 22nd Annual Popsicle Stick Bridge Competition was held at the beautiful new Anaheim Regional Transportation Intermodal Center, ARTIC, on February 20th and provided a great opportunity to encourage high school students to pursue higher education! Over 50 high school student groups participated in the event that also included tours of the ARTIC property. This event was also the kick off for Engineers Week and provided an opportunity for us to introduce high school students to engineering and inspire them to choose engineering as majors in college.

Our San Bernardino YMF members assisted in leading out in the Impromptu event which was part of the students rotation for the day. This was a lot of fun and the students creativity was amazing and inspiring for us. We provided a variety of common office supplies from colored paper, manilla office folders, string, tape to straws and had them build towers. We then tested the towers with a fairly powerful fan and judged them based on structural integrity, creativity, use of materials and also who had the tallest tower. The students had fun, learned engineering principals of design and the event hopefully sparked an interest in engineering that will grow to future rewarding careers in the field!
Kenneth L. Edwards passed into heaven peacefully on February 4, 2016 surrounded by his family. Ken was born in Lafayette, Indiana, the youngest of four children. He earned a B.S. degree in civil engineering from Valparaiso University in 1952, where he met his future wife, Marilyn. Ken and Marilyn were married on August 31, 1951, and enjoyed over 64 years of married life together. Ken worked in Chicago after graduation, and in 1953 he enlisted in the U.S. Navy. He graduated from Officer's Candidate School, and was stationed in Long Beach and then Honolulu from 1953 - 1956, where he was assigned to the U.S.S. Fletcher, and rose to the rank of Lieutenant J.G.

After discharge from the Navy, Ken and Marilyn and their daughter, Cheryl, moved to Southern California. They had three more children - John, Paul and James. Ken earned Master's Degrees in Civil Engineering and Public Administration from USC. Ken worked for two engineering firms and the Army Corps of Engineers until 1962, when he went to work for the Riverside County Flood Control and Water Conservation District. He spent 34 years with the Flood Control District and served as the General Manager-Chief Engineer from 1978 until his retirement in 1996. During that time, the District experienced phenomenal growth in staff, over $230 million in flood control projects completed, the introduction of computerized design of survey maps, and construction of two new office buildings. The City of Palm Springs designated May 24, 1991 as Kenneth L. Edwards Day in honor of his work on the Tahquitz Creek dam and flood channel. The district office was re-named the Kenneth L. Edwards Flood Control Building in his honor.

Ken enjoyed boating at Lake Powell, the Colorado River, and Lake Havasu. He and Marilyn and their children often vacationed at their lake-front home at Havasu Springs Resort, Arizona, where they enjoyed boating and spending time together. He was a long-time member of Immanuel Lutheran Church and served as an elder and president. Ken is survived by his wife, Marilyn; daughter Cheryl Edwards Tannenberg, her husband John; son Paul Edwards, his wife Arlene, and four grandchildren, Bryan, Karissa, Ryan and Steven. Ken's sons, John and Jim, predeceased him in 1974 and 2007. (Kenneth L. Edwards Obituary, The Press Enterprise, 13 February 2016)

Ken was a volunteer that helped the SB/RIV Branch at length over the years. In particular, he always brought his knowledge and insight to the Board on the awards selection committee. He represented the civil engineering with professionalism and class. He will be missed! The SB/RIV Branch offers our sincerest condolences to the Edwards family.
Engineering Professionals will be conducting mock interviews, reviewing resume, and providing networking opportunities to motivated students.

When: March 4th, 2016 From 4:30PM – 6:00PM

Where: Staples Room at California Baptist University

Professionals in the Industry are Needed

Please join us at CBU

If interested please email ASCE Student Chapter President Zachary Garcia at ZacharyLee.Garcia@calbaptist.edu
March Technical Workshop

Critical Grant Readiness, Writing Steps, and Processes for Civil Engineers

Dr. Beverly A. Browning, MPA, DBA
Director
Grant Writing Training Foundation

Join Dr. Browning, with 41 years of successful funding award strategies and training presentations, who has assisted clients throughout the United States in receiving awards of more than $100 million and authored Grant Writing for Dummies, for an interactive workshop focused on developing competitive grant writing skills for civil engineers.

Topics include: assessing grant readiness and project team capabilities, assessing the competition, reading the proposal solicitation for red flags, understanding the government peer review process, creating an application production schedule, drafting the application, bringing your writing style to life, and avoiding budget red flags. Note, 3 CEU’s are available for Workshop attendees.

**Date:** Wednesday, March 16, 2016

**Time:** 9:00 am to 12:00 pm

**Location:** Corona City Hall
400 S. Vicentia Ave., Corona, CA 92882

**Cost:**
- $55 ASCE members w/ RSVP
- $65 non-members or no RSVP
- $25 students

**Deadline:** Please reserve by March 9, 2016

**Additional Info:** Steven Ledbetter, P.E.
(951) 680-0440
sledbetter@tkeengineering.com
**ASCE LA Section—Annual Life Member Brunch**

**Saturday, March 5, 2016**  
11 am to 2 pm  
Monterey Hill Steakhouse  
3700 W. Ramona Blvd., Monterey Park, CA 91754

San Bernardino Riverside Branch, Join ASCE LA Section for its Annual Life Member Brunch, a luncheon held to honor those members who have advanced to the ASCE Life Member status and in recognition of their career achievements. The Keynote Speaker will be ASCE Society President-Elect, Norma Jean Mattei, Ph.D., P.E., F.SEI, F.ASCE.

Cost is $35 for ASCE members & guests, and FREE for students. Table sponsorship opportunities are also available.

**For more information and to register, click here.**

**ASCE College Scholarships available to CPP & CBU**

Each year, the American Society of Civil Engineers San Bernardino-Riverside Counties Branch and the Younger Member Forum (YMF) offer scholarships to California State Polytechnic University, Pomona (CPP) and California Baptist University (CBU) civil engineering students. Funding for scholarships are obtained through proceeds from the ASCE SB/Riv Branch and YMF Golf Tournament that takes place annually. The actual amount of the award will be given as a check to the recipients after proof of enrollment for the upcoming Quarter/Semester is provided to the Branch/YMF Treasurer. Past recipients of this scholarship may not reapply. Applicants must be full-time students and enrolled as sophomores, juniors or non-graduating seniors. Applicants must be an active member of their Student Chapter and must be a National Member of ASCE to be considered for the award.

There is a 2.75 GPA (cumulative) requirement for this scholarship.

Applicants must submit the following:  
  - Scholarship Application  
  - Unofficial transcripts  
  - A list of their achievements, honors, ASCE activities, other extracurricular activities, and work experience (resumé acceptable)  
  - An Essay answering the Scholarship question

**SAVE THE DATE**  
Technical Inspection Tour on Saturday, April 9, 2016

**Water in the Coachella Valley**

**Spend a Day with Coachella Valley Water District**  
7 AM to 7 PM Lunch & Dinner Included  
*Presented By: ASCE San Bernardino-Riverside YMF & CVWD*
When it’s over, it’s over! Don’t worry. ASCE YMF still loves you.

When: Friday, April 15, 2016
Membership Booth - Free ASCE Gift!
Where: Pomona Fairplex
Time: 6AM till Exam & Lunch 12-1PM

Post PE Exam Social Event
Where: Innovation Brew Works
3650 W. Temple Ave
Pomona, CA 91768
Time: After the PE Exam (5-8PM)
Cost: Free
Who: Everyone is invited... especially test takers

For more info, contact David Cortese, at 909.210.4737

For more info on how to become an ASCE member & to learn more about what Younger Members (YMF) has to offer in your local area contact:
Remi Candaele, PE
LA Section YMF Chair
rcandaele@huitt-zollars.com
(949) 988.5815, Ext. 11193

Los Angeles YMF
Orange County YMF
San Bernardino-Riverside YMF
Santa Barbara/Ventura YMF
Southern San Joaquin YMF
San Luis Obispo YMF

Visit www.ascelasection.org to connect to all of the YMF’s
Donald G. Wells
ALUMNI GOLF TOURNAMENT
Cal Poly Pomona Civil Engineering

FRIDAY, APRIL 15, 2016
12:00 PM TOURNAMENT START
5:00 PM COCKTAILS
6:00 PM BANQUET & AWARDS DINNER

Register [here](#) for Tournament (4-Man Scramble) and Banquet

Questions? Contact us at: cppascegolf@gmail.com

Presented by Cal Poly Pomona ASCE

Industry Hills Gold Club at Pacific Palms Resort
1 Industry Hills Parkway, City of Industry, CA 91744
Now in the full swing of classes and projects we have our eyes set on spring break and the ever approaching pacific southwest conference (PSWC).

As a club we were able to take a moment last month and enjoy some friendly competition with a bowling night. Our President was able to keep his first place title.

The next months will be more intensive in the profession with our annual job fair, professional development workshops, and visits from professionals (including the anticipated President Elect presentation). We hope to help the students succeed by providing opportunity to fine tune their marketability.

We are excited to be involved with YMF and Branch events in the next months, volunteering and site visits are encouraged to members. As well as the annual Life Member Brunch.

We look forward to the Riv/SBR region softball tournament soon.

At the end of the month is the much anticipated PSWC. This is an event which the entire club is called to participate in and share the load for this small chapter. We hope to have a canoe for the second year in a row. Our projects are in swing and we hope to make a strong showing at this years extremely competitive conference.

If you are interested in hearing more about our chapter or upcoming events email us at: cabaptistasce@gmail.com
The San Bernardino & Riverside Counties Branch
Announces:

Free Job Board!

Post for free!
Search for free!
Nothing down!
No closing costs!
Not a limited time offer!

Question: “How do I take advantage of all this complimentary goodness?”
Answer: Point your browser to the Branch Home Page and click on “CONTACTS/CAREERS”, then select “ASCE SB/RIV Careers” or just click HERE.

Posts will be reviewed for appropriate content.

(Rhymes with free)
ASCE San Bernardino Riverside Board of Directors

2015-2016
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Calendar of Upcoming ASCE Events

March 4, 2016 – ASCE Branch Board Meeting at TKE & CBU Professional Development Workshop
March 5, 2016 – ASCE Annual Life Members Brunch at Monterey Hill Steakhouse, Monterey Park
March 10-13, 2016 – ASCE Joint YMF Mammoth Ski & Snowboarding Trip
March 15-17, 2016 – ASCE Washington DC Legislative Fly In
March 16, 2016 – ASCE Branch Grant Writing Workshop
March 27, 2016 – ASCE Joint YMF LA Clippers vs Denver Nuggets Game
April 1, 2016 – ASCE Branch Board Meeting at TKE
April 9, 2016 – ASCE YMF Technical Inspection Tour of Water in the Coachella Valley
April 15, 2016 – ASCE Membership Booth at the PE Exam, Pomona Fairplex & CPP Prof. Wells Golf Tournament
April 16, 2016 – Annual Softball Tournament & BBQ for the Branch, YMF, CPP and CBU

Membership Information

Types of Membership and Annual Dues (National)

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<tr>
<th>Membership Type</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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<td>Member</td>
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<td>Affiliate</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/inforrenewal.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.

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