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# ASCE

## AMERICAN SOCIETY OF CIVIL ENGINEERS

SAN BERNARDINO & RIVERSIDE COUNTIES BRANCH  
LOS ANGELES SECTION , REGION 9-SINCE 1953



### President's Message

We have all witnessed the political landscape and how California may have changed after last week's elections. First off, we have elected a new governor, Jerry Brown. His Party holds a majority of the seats in the Assembly and the State Senate.

It will be interesting to see how this plays out. With the passing of proposition 25 meaning that only a simple majority will be needed to pass the state budget. This I'm sure will have a great effect on the upcoming state budget in the near future. Also by passing of Proposition 22 which will prohibit the State from taking some local funds, this will mean that we might see more cities being able to start on projects that once they were not able to.

I invite all of you to come to our November meeting (see page 4) to hear 66th District Assemblyman Kevin Jeffries provide his opinions on the State Budget, the newly elected governor and other issues affecting the State of California.

Lauren Popescu, PE ASCE President,  
San Bernardino/ Riverside Counties  
Branch of the LA Section of ASCE

November 2010

ASCE SB/RIV NEWSLETTER

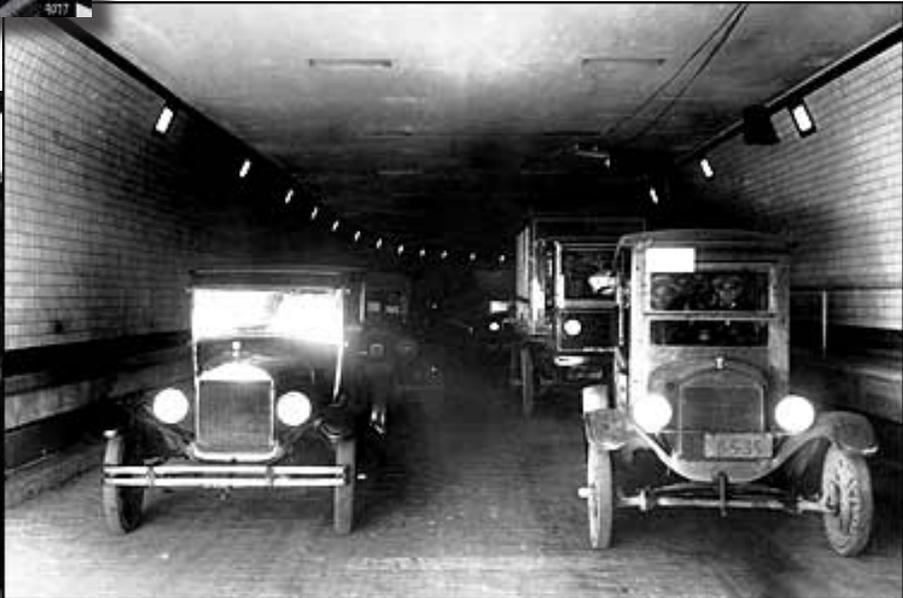
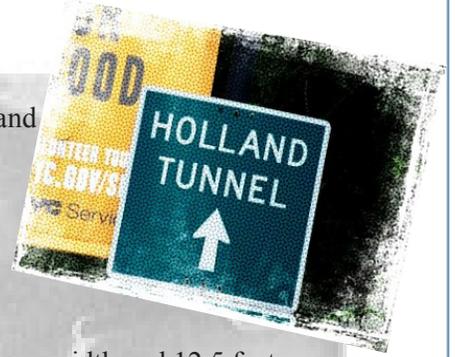
NEWSLETTER

**This month in engineering: The Holland Tunnel**

Begun in 1920 and completed in 1927, the tunnel is named after Clifford Milburn Holland (1883–1924), Chief Engineer on the project, who died before it was completed. Famed tunnel designer Ole Singstad finished Holland's work. The tunnel is one of the earliest examples of a ventilated design, having 80-foot-diameter (24 m) fans providing transverse air flow across the roadway at regular intervals, via systems of ducts. Ventilation was required by the advent of the automobile and associated exhaust.

The tunnel consists of a pair of tubes, each providing two lanes in a 20-foot (6 m) roadway width and 12.5 feet (3.8 m) of headroom. The north tube is 8,558 feet (2,608 m) from end to end, while the south tube is slightly shorter at 8,371 feet (2,551 m). Both tubes are situated in the bedrock beneath the river, with the lowest point of the roadway approximately 93 feet (28 m) below mean high water.

Completion of the tunnel took nearly seven years, and claimed the lives of fourteen workers. The tunnel opened on November 13, 1927, with President Coolidge pressing a golden lever that triggered American flags on both sides of the tunnel to separate. Vehicles were allowed to pass through the tunnel at one minute after midnight, with the widows of Chief Engineers Holland and Freeman in the second toll-paying vehicle. The tunnel was an immediate success. On its first day of operation, 51,694 vehicles passed through, paying a 50 cent toll (\$6.19 in 2009 dollars) per car (25 cents for a motorcycle and truck tolls of up to two dollars), which was intended to defray the tunnel's \$48 million price tag. In 1930 the tunnel was passed to the Port Authority of New York and New Jersey, which continues to operate it today.[33] Excluding the initial \$48 million in construction, the Port Authority notes \$536,600,000 of cumulative capital investment as of December 31, 2005.



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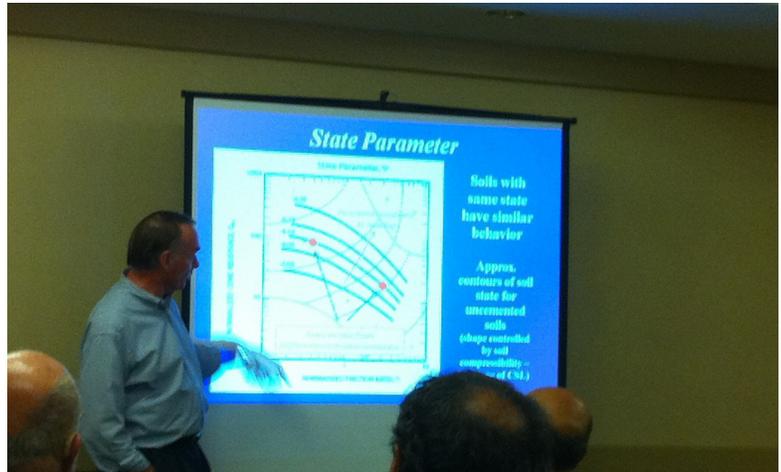
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**BOARD OF DIRECTORS/  
GEOTECHNICAL COMMITTEE PRESENTATION**

The geotechnical committee for the ASCE Riverside and San Bernardino Counties Branch had a successful presentation by Dr. Peter Robertson on Liquefaction evaluation using CPT testing methods. Over 25 people were in attendance at the Hilton in San Bernardino on October 21, 2010 to learn about the most up-to-date research being performed by Dr. Robertson. We would like to thank Dr. Robertson once again for his presentation and thank all of the engineers that made this event possible.

Maihan Noorzay, E.I.T., A.M. ASCE

Secretary – Treasurer

ASCE Inland Empire Geotechnical Committee



## November Meeting

### California – Where is it going?

California is a dynamic state for both the economy and its leadership. Assemblyman Jeffries will share his opinions on the State Budget, the newly elected governor and other issues affecting the State of California.

**Speaker:** Assemblyman Kevin Jeffries State Assembly 66th District

After a career of public service, Assembly member Kevin Jeffries took the oath of office in November 2006 to represent the constituents of the 66th Assembly District in the State Legislature. In the Assembly, Kevin is the Vice-Chairman of the Transportation Committee, and sits on the influential Budget and Governmental Organization (GO) Committees. He serves as Chair to the Rural Fire Protection Working Group, is a member of the Assembly Republican Working Group on Water Storage, and active in the Assembly Republican Budget Reform Working Group. Kevin has a long and trusted history of public safety service with 29 years and over 4000 emergency responses as a Volunteer Firefighter. Upon his election to the Assembly, Kevin retired as President of the Western Municipal Water District and has over 19 years of local government experience as a Water District Director, and as a Parks and Recreation District Director. Kevin is a life-long Republican with a proven history of working for fiscally conservative, pro-taxpayer, pro-business and jobs values.

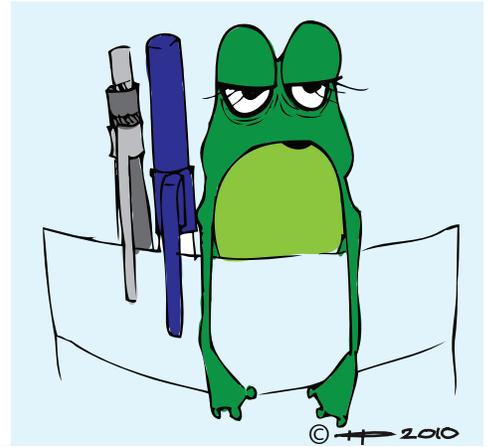
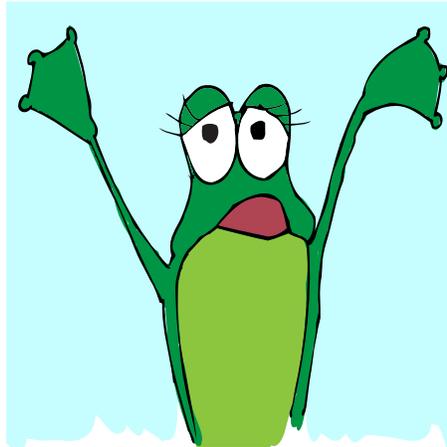
Date: Friday, November 19, 2010  
 Time: 11:30am to 1:30pm  
 Location: Indian Hills Golf Course 5700 Club House Drive Riverside, CA 92509  
 Cost: \$25 members w/ RSVP \$30 non-members or no RSVP \$12 students  
 Deadline: 11/10/10  
 Additional Info: Matthew Addington, Matthew.Addington@cityofrc.us (909) 477-2710 ext. 4202

## ASSISTANT NEWSLETTER EDITOR POSITION AVAILABLE

We are currently looking for an Assistant Newsletter editor. If you would be interested in joining our team please feel free to contact your current newsletter editor Brandon Reyes, EIT @ 909.974.4967 or email at [breyes@rbf.com](mailto:breyes@rbf.com) we look forward to hearing from you.



**SOFTWARE ENGINEER**



A man was crossing a road one day when a frog called out to him and said: "If you kiss me, I'll turn into a beautiful princess". He bent over, picked up the frog and put it in his pocket. The frog spoke up again and said: "If you kiss me and turn me back into a beautiful princess, I will stay with you for one week." The man took the frog out of his pocket, smiled at it and returned it to the pocket. The frog then cried out: "If you kiss me and turn me back into a princess, I'll stay with you and do anything you want". Again the man took the frog out, smiled at it and put it back into his pocket. Finally, the frog asked: "What is the matter ? I've told you I'm a beautiful princess, that I'll stay with you for a week and do anything you want. Why won't you kiss me ?" The man said, "Look I'm a software engineer. I don't have time for a girlfriend, but a talking frog is cool."



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**NEWSLETTER INFORMATION**

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## P.E. Booth and Happy Hour

By Robert Vasquez P.E.-President San Bernardino/Riverside YMF

Board members from San Bernardino/Riverside Counties and Metropolitan Los Angeles Branch YMF were on hand Saturday Oct 30, 2010 for what has become one of our most successful events: the P.E. booth and post exam happy hour.

Every year San Bernardino/Riverside YMF leads the charge in setting up a booth at the exam site for both fall and spring exams. The booth is manned by volunteer board members during the exam lunch break from about 12:00pm to 1:30 pm. The booth serves to accomplish two main goals: the first is to inform fellow civil engineers about the benefits of ASCE membership, the second is to provide some fun and relaxation for the test takers. We accomplish these goals by answering any questions that test takers may have about ASCE membership, inviting them to the post exam happy hour and any other events that are planned in the near future. Civil exam test takers who sign up for our mailing list get to take a turn at spinning our prize wheel for a chance to win cool ASCE paraphernalia. This past Saturday people were spinning for a chance to win: Pad folios, water bottles, USB hubs, umbrellas, and stainless steel coffee mugs. We had several folks walk away with some great prizes.



The happy hour has become an oasis for those tired and weary from the exam. ASCE sponsors food and beverages at a local restaurant for test takers. For the last two exams we have booked our happy hour at Espiau's restaurant in the Claremont Village and it has worked out great. We have about half the outdoor patio area reserved for our party which features live music on Saturdays. This year since it was the day before Halloween all the servers were decked out in their best Halloween costume, and the patio had been decorated to resemble a ghastly dungeon. In all about forty people joined the festivities at Espiau's. Great food and fun was had by all who attended.





**METROPOLITAN LOS ANGELES  
YOUNGER MEMBER FORUM**

**Annual Mammoth Ski and Snow Board Trip  
Weekend of Feb 25<sup>th</sup> – 27<sup>th</sup>**



**Cost:** **\$110** per person for 2 nights (room only)

**Location:** Mammoth Estates  
[221 Canyon Blvd, Mammoth Lakes, CA 93546](#)  
(walking distance to the Village & gondola to Canyon Lodge.)

**Accommodations:** Sleeping accommodations include, king, queen, twin/single, bunk beds. Details will be worked once payments are received. We will try to accommodate everyone's needs but please be aware some people will have to share the king and queen beds.



**2-Nights:** Friday and Saturday nights. Check in the evening of Feb 25<sup>th</sup> & check out morning of Feb 27<sup>st</sup>

**Travel:** Individuals are responsible for their own transportation to and from Mammoth. Parking is limited. We strongly encourage car-pooling. If you are interested in carpooling contact me.

**Spaces are limited! Please RSVP before January 8<sup>th</sup>. Payment is due before January 15<sup>th</sup> or spots will be released and sold.**

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*Please note that in the event you are unable to attend, your reservation will still be due and payable unless your spot can be filled.*  
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**Make checks payable to: "San Bernardino-Riverside YMF".**  
**Contact/Send payment to:**

**Julianna Gonzalez**  
**1995 Market Street**  
**Riverside, CA 92509**  
**Cell -951-515-4227**  
**[juliannagonzalez@rcflood.org](mailto:juliannagonzalez@rcflood.org)**



More information, including room assignment and car-pools will follow at a later date.  
**Hope to see you there!**





## Membership Information

Type of Membership and Annual Dues (National)

<b>Students:</b>	Free
<b>Associate Member:</b>	\$50 year of baccalaureate degree and first year after, then incremental increases to \$205 over five years.
<b>Member:</b>	\$205 annually
<b>Affiliate:</b>	\$205 annually
<b>Section (Branch) Dues:</b>	\$45/year

1. 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 and instantly become a member of ASCE or call 1-800-548-ASCE (2723)
2. Online Membership renewal available, go to <https://www.asce.org/renewal/inforenewal.cfm>. You 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.

Over the summer your ASCE San Bernardino – Riverside Branch will be contacting you for a business card advertisement in your monthly newsletter. The proceeds from the business card ads defray the costs of newsletter so that the Branch funds can be used for purposes of providing student scholarships, Engineer's Week in February where the Branch volunteers make presentations to the local high schools to generate interest in the field of engineering, and other community programs. The cost of the newsletter advertisement is \$250 for a one-year subscription of 10 issues. Included with the Business Card advertisement is a business spotlight in the monthly newsletter where one or two businesses are highlighted. If you would like to reserve your spot early for next years newsletter please contact your Treasurer for next year – Matthew Addington at (909) 477-2710 ext 4202 and let him know which month you would like your Business Spotlight (1st in line gets first choice).



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SAN BERNARDINO & RIVERSIDE COUNTIES BRANCH  
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**REMI NDER**

**November Meeting  
Friday November 19th**

See page 8 for more info

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