



# San Bernardino & Riverside Counties Branch

Los Angeles Section, Region 9 - Since 1953

VOLUME 19, ISSUE 4

APRIL 2009

## INSIDE THIS ISSUE:

President's Message Engineering History E-Week Poly High	1,2
SB/R YMF Student Scholarship and Sponsorship Board of Directors Civil Engineer Jobs	3
Advertising Rates Membership Info Spotlight Info Highlights of Feb. Paintball Event	4
Branch Members serving on National Level	5
Award Nominations	6,7
Mentoring Program	8
Calendar of Events Lighter Side	9
Business Spotlight Current Events	10
Business Card Advertisements	11
Meeting Calendar	12

## President's Message

Capitalism is the engine that drives the American Economy. The theory is that competition and the principles of supply and demand will keep prices as low as the market will bear. That's generally true in our system. However, our Government does regulate the system and that regulation is becoming more complex and convoluted each year. When resources become limited, there is a particularly large increase in that complexity. This is evidenced by the botched government moves to eliminate regulated monopolies such as Telephone Companies, Electric Power and Airlines. I'm not convinced that anyone really fully understands it - particularly the Government. One thing is clear, the people who we elect to address these problems have cost us dearly each time they "fixed it". Apparently, regulated monopolies have not been the wasteful, money grabbing companies we were lead to believe.

We've all heard the predictions of economic disaster, and most of us have been through periods of downturns before. I understand that the U.S and consequently the world were on the brink of economic collapse in October of 2008, and that it was the bailout actions taken by Congress that kept the system afloat. Seeing that we are continuing to issue bailout money, it is fortunate that the Government can print the stuff. There were Trillions lost in the stock market - so perhaps

the real money supply has actually dropped even with the Trillions in Government stimulus efforts - but this spending, like the non-performing mortgages blamed for the meltdown, must still be paid back. The economy and the DOW will recover and your money will eventually be worth much less. This is a gamble that will directly affect the economic resources of our children and grandchildren.

One principle that seems to make sense to me is that the easier it is to make a product, the cheaper it is under the Capitalist model. Government Bureaucracy significantly contributes to this inefficiency. Once the limits of the resource are known, prices tend to rise until the next least costly alternative (and more difficult) system becomes profitable. The price of oil seems to follow a path based primarily on artificially limited withdrawal of the resource from the ground - and it's when an oversupply exists it's due to an unpredicted reduced demand. That demand is generated by the health of the world economies. The local economy is most easily measured by what I'd call the "freeway slowing coefficient". An accident free drive



NEWSLETTER

(Continued on page 2)

(Continued from page 1)

that takes twice as long due to traffic is direct evidence that not only resources aren't adequately allocated to road improvement, but that business is good. On the other hand, I can get to work in less time now.

The solutions to grow wealth in this country seem simple: **Investment in infrastructure:** You get something more than stock that may just become worthless for your Trillions. Cheap, efficient transportation, clean Air, Water, Power and Communication is really essential to a robust economy – and that economy is what the Government depends on to repay any investment.

Timothy R. Wilson PE, RA, M. ASCE

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

The San Jacinto Monument is 15 feet taller than the Washington Monument.



## This Month in History

April 1936

Houston, Texas  
Constructed 1936-1939

The San Jacinto Monument commemorates the decisive 1836 battle near the banks of the Buffalo Bayou and the San Jacinto River that allowed Texas to win independence from Mexico. It is the world's tallest monument, rising 15 feet higher than the Washington Monument.

In 1936, Daughters and Sons of the Republic of Texas led lobbying

efforts to allocate funds for a monument that would mark the importance of the Battle of San Jacinto. Ground was broken on April 21, 1936 - 100 years to the day after the victorious battle.

This towering symbol of Texas' freedom laid the groundwork for many future high-rise structures, particularly those built on expansive soils and/or subject to heavy wind loads caused by severe tropical storms.

### E-Week Presentations at Poly High School

By: Edwin Quinonez

On Friday, February 20, 2009, the SB/R YMF celebrated E-Week, in conjunction with the Branch, by speaking to students at Poly High School in Riverside. Although the presentations focused on civil engineering, students also had a chance to ask general questions about college and our experiences. The students who attended the presentations were all currently taking physics, so many of them seemed very excited in the topic, especially as we explained the different slides displaying many of the great engineering projects around the world. We also emphasized the use of mathematics and physical sciences in our profession and discussed the importance of licensing. After presenting to approximately 300 students throughout the day the event turned out to be a great success. Thanks to all those that participated!



## SB/R YMF CPP Student Chapter Scholarship and Sponsorship

By: Edwin Quinonez

This year the San Bernardino and Riverside Counties YMF offered a \$500 scholarship to Cal Poly Pomona students majoring in civil engineering. Students were required to complete a short essay describing their most significant contribution to ASCE, their future career goals, and explain why they would be the deserving candidate. After carefully reviewing 14 applications the YMF Board of Directors decided to award the scholarship to Danielle Libring. Ms. Libring is an active member of ASCE and is currently involved with the Concrete Canoe team as the Head of Logistics. Her duties have been to manage the team's budget and to lead a fundraising campaign which brought in over \$10,000 towards the 2009 Pacific Southwest Regional Conference (PWSRC), which will be held in Honolulu, Hawaii.



Edwin Quinonez, YMF Pres. awarding check to Mandy An, CPP Student Chap. Pres.

Hilal Elhaddad, CPP Pract. Adv.; Danielle Libring, CPP Student; Julianna Gonzalez, CPP Pract. Adv;

Official awarding of the scholarship took place on March 10<sup>th</sup> during a student chapter meeting. At the same time, on behalf of the Forum, we presented the student chapter a check in the amount of \$500 to help subsidize their cost towards PWSRC. This conference provides students the opportunity to work on various engineering projects and learn the soft skills that are necessary to succeed in the profession.

## CIVIL ENGINEERING JOBS

During these challenging economic times, our branch is looking for sources for employment for Civil Engineers. Please use the attached link for some possible openings in our field:

<http://www.getcivilengineeringjobs.com>

<http://www.aqmd.gov/hr/employ.html>—AQSPECIALIST-MS-3-09

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**Paintball Event with Cal Poly Pomona**  
 By: Julianna Gonzalez

Ready, Aim, Fire! On Saturday, March 7<sup>th</sup>, the San Bernardino/Riverside YMF hosted a Paintball event at SC Village in Corona and invited the Cal Poly Pomona ASCE student chapter. Bright and early, players began calibrating their markers, filling their pouches with paintballs and preparing for a day at war. As the first round of games began, all 25 of us were ready for action. From the trenches in Kuwait, the mounds in Iraq and the Helicopter in Bosnia, guns were firing and bruises were forming. Overall, the event was a great success, especially after receiving great feedback from both students and the professionals.



Case of paint \$25, registration fee \$20, Marker rental \$11, shooting friends and co-workers PRICELESS.

"Calling all Inland Empire Civil Engineering Companies: California Baptist University (CBU), Riverside, CA is looking for internship positions for their civil engineering students. If you have any positions available, please contact Dr. Jim Covey at (951) 343-4973 or [jcovey@calbaptist.edu](mailto:jcovey@calbaptist.edu). Any employment opportunities would be much appreciated by CBU."

**Membership Information**  
 Type of Membership and Annual Dues (National)

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

**Company Spotlights/Projects**

If you paid for a monthly business ad and you would like your company or one of your projects spotlighted in the monthly newsletter please contact the Newsletter Editor, Matthew Addington at [matthew.addington@cityofrc.us](mailto:matthew.addington@cityofrc.us)

We will be happy to place your spotlight in an upcoming issue.

**Advertising Rates**  
 Approximate number of mailings: 600 per month.

Professional Directory (Business Card Ads)	Per Card (10 issues)	\$250
Display Ads	Full Page (per issue)	\$235
	One Half Page (per issue)	\$125
	Quarter Page (per issue)	\$75

Advertising Information: To place ads, contact the editor. Payments are due 30 days from the date of publication. Copies must be received by the Editor by the 3rd Thursday of the month prior to publishing.

Publisher: San Bernardino-Riverside Counties Branch  
 American Society of Civil Engineers  
 Design and Published by Lenore Gueste (jgwdsolutions)  
 866-220-5908  
 Identification Statement: ASCE San Bernardino & Riverside Counties Branch News is published periodically by the San Bernardino & Riverside Counties Branch, American Society of Civil Engineers.  
 Annual subscription rate: \$45 San Bernardino & Riverside Counties Branch of ASCE members (included in dues).  
 POSTMASTER: Address Correction Requested. Return Postage Guaranteed. Send Mail to Editor at address shown on back cover.

## Branch Members Serving at the National Level

More than 6,200 civil engineers serve on more than 600 National Committees that produce the Society's annual convention, specialty conferences, publications, policies, building codes and standards, and other services that benefit the Society.

These committee members are available to provide branch members with up-to-date information on activities and programs of their national committees; serve as a liaison between the

National Committee and our branch; and/or facilitate and encourage involvement of branch members at the National level. To enhance the value of your ASCE membership, you have the opportunity to select membership in one of ASCE's technical specialty

Institutes — **at no additional cost**. The Institutes work to advance the knowledge and practice of specific civil engineering specialties by focusing on the technical, educational, and professional issues within that area. Membership in one of ASCE's seven Institutes brings you together with other professionals within your specialty and provides you with a variety of additional resources. Thanks to the following Section members who serve on Technical, Professional, Educational, Research, Board, and Institute Committees at the National level.

<u>COMMITTEE NAME</u>	<u>FIRST NAME</u>	<u>LAST NAME</u>	<u>CREDENTIALS</u>
State Government Relations	Michael	Thornton	P.E., M.ASCE
Underground Technology Research Council	John	Mac Donald	P.E., M.ASCE
Well Hydraulics	Sam	Gershon	P.E., F.ASCE
Blast Protection of Buildings	Kenneth	Morrill	P.E., M.ASCE
Precast Structural Concrete (W/ACI 550)	Clifford	Ohlwiler	P.E., M.ASCE
Automated People Movers Standards	David	Campbell	P.E., M.ASCE

**AMERICAN SOCIETY OF CIVIL ENGINEERS**  
San Bernardino & Riverside Counties Branch  
2008-2009 Awards Program

The San Bernardino & Riverside Counties Branch of the American Society of Civil Engineers has developed an awards program to recognize local Civil Engineers and projects. The Branch has established the following local awards for 2008-2009. Nominations must be postmarked by **May 29, 2009**. Mail completed nomination forms and support information to:

**Terry Renner, PE**  
**TKE Engineering, Inc.**  
**2305 Chicago Avenue**  
**Riverside, CA 92507**  
**Main: (951) 680-0440**  
**trenner@tkeengineering.com**

All nomination forms and supporting documentation are the property of the San Bernardino & Riverside Counties Branch and may be used at the Branch's discretion. Submittals shall not be returned to the applicant. For additional information, please contact Tim Wilson at (951) 658-7463, or GTSAssoc@aol.com.

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Civil Engineer of the Year (Private & Government)/Young Civil Engineer of the Year Award

The Civil Engineer (Private & Government) and Young Civil Engineer of the Year Awards recognize an individual who best exemplifies the civil engineering profession. The nominees shall be worthy of acknowledgment through their exemplary professional conduct, reputation, achievement, and contribution to the image of the civil engineer. The nominee must be an ASCE National member and a member of the San Bernardino & Riverside Counties Branch. The nominees must work and/or reside within the boundaries of the Branch for a minimum of 18 months prior to the award. Young Civil Engineer Award nominees must be 35 years of age or younger as of the postmark date identified hereinabove. Past recipients of these awards are not eligible.

Selection of the Civil Engineer (Private & Government) or Young Civil Engineer of the Year Awards shall be based on the following criteria; education and professional qualifications such as degrees held, projects completed, patents, publications, presentations, and teachings; professional qualities including society affiliations, offices held, leadership skills, professional conduct, reputation for service, character, and integrity; contribution to the image of the civil engineer through community service, volunteer work, and public education; honors and awards.

All applications for the Civil Engineer (Private & Government) or Young Civil Engineer of the Year Awards shall include the following (*total application packet limited to five pages*); completed award program entry form, description of how the individual meets the above listed criteria (*two page limit*), biography or resume (*one page limit*), copies of the newspaper or journal articles and other supporting information, if applicable.

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Outstanding Civil Engineering Project Award

This award acknowledges outstanding examples of civil engineering achievement. Local projects shall be considered for their innovation, uniqueness, complexity, and benefit to society. Any civil engineering project currently in use and completed within the previous 18 months is eligible. The project must be located within the boundaries of the San Bernardino & Riverside Counties Branch.

Each project will be evaluated on the following criteria: innovative design and/or construction, benefit to the community, project complexity and/or challenges, impact on physical environment, unique operation or maintenance, aesthetics.

All applications for the Outstanding Civil Engineering Project Award shall include the following: completed award program entry form, description of the project and how it meets the above listed criteria (*two page limit*), at least one color photograph or color photocopy of the project, copies of newspaper or journal articles about the project, if applicable.

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Civil Engineering Project Improvement Award

This award acknowledges examples of outstanding civil engineering achievement for improvement of existing facilities. Local projects shall be considered for their innovation, uniqueness, complexity, and benefit to society. Any civil engineering projects currently in use and completed within the previous 18 months is eligible. The improvement must be to increase capacity of the original facility or to bring existing systems into compliance with current regulations. The project must be located within the boundaries of the San Bernardino & Riverside Counties Branch. Any project that previously received the award for Civil Engineering Project Improvement is not eligible for nomination for any subsequent improvements.

Each project will be evaluated on the following criteria: innovative design and/or construction, ability to merge with original facility, benefit to the community, project complexity and/or challenges, impact on physical environment including aesthetics, unique operation or maintenance.

All applications for the Civil Engineering Project Improvement Award shall include the following: completed award program entry form, description of the project and how it meets the above listed criteria (*two page limit*), at least one color photograph or color photocopy of the project, copies of newspaper or journal articles about the project, if applicable.

-NOMINATION FORM ON BACK-  
**AMERICAN SOCIETY OF CIVIL ENGINEERS**  
San Bernardino & Riverside Counties Branch

2008-2009 Awards Program

Please complete one form for each nomination.

CIVIL ENGINEER OF THE YEAR PRIVATE, GOVERNMENT OR YOUNG CIVIL ENGINEER OF YEAR (Circle One)	
Name:	
Title:	
Employer:	
Address:	
Phone:	Fax:
<b>On a separate sheet of paper, please provide the following information about the nominee: Education and professional registration, work experience, professional and society affiliations, patents, publications and presentations, community service and public education, honors and awards.</b>	
OUTSTANDING CIVIL ENGINEERING PROJECT	
Project Name:	
Project Address or Location:	
Project Owner Name or Company:	
Contact Person:	
Mailing Address:	
Phone:	Fax:
<b>On a separate sheet of paper, please provide information on how the project meets the criteria for this award. Consider all phases of the project, including planning, design, construction, and operation maintenance. Describe any special features, innovations, and challenges. Include information on the environmental impacts and public benefits of the project, attach a color photograph or photocopy of the project and any articles from trade journals or newspapers about the project.</b>	
CIVIL ENGINEERING PROJECT IMPROVEMENT	
Project Name:	
Project Address or Location:	
Project Owner Name or Company:	
Contact Person:	
Mailing Address:	
Phone:	Fax:
<b>On a separate sheet of paper, please provide information on how the project meets the criteria for this award. Consider all phases of the project, including planning, design, construction, operation, and maintenance. Describe any special features, innovations, and challenges. Provide information on how the project merges with the original facility, the environmental impacts, and the public benefits. Attach a color photograph or photocopy of the project and any articles from trade journals or newspapers about the project.</b>	
To be completed for each nomination.	
SUBMITTED BY:	
Name:	
Title:	
Company:	
Address:	
Phone:	Fax:



## Mentoring Program

The San Bernardino & Riverside County Branch Mentorship Committee along with National ASCE and the ASCE Committee on Career Development began a local ASCE Mentoring Program on May 17, 2008. The goals of this mentoring program are to:

- Provide an opportunity for our members to enter into mentoring relationships that will facilitate the growth of young engineers and the profession by means that may not be available through typical work relationships or training.
- Host an Annual Dinner and other mentoring related activities. These events will bring together all of the mentor and protégé pairs to celebrate the Mentoring Program.
- Utilize an online Mentor Database. This database would be separate from the Mentoring Relationships and would serve as additional means for younger engineers to locate experienced engineers who are willing to answer questions related to engineering. The database would appeal to those who have questions about a particular field of engineering but aren't seeking a long-term mentoring relationship.

**There are numerous benefits for being a Mentor/Protégé.** Mentors can influence the leaders of tomorrow to ensure the future success of our profession and they can learn about some of the challenges younger engineers face today. Protégés can learn what it takes to become a leader through experiences and wisdom of their mentor.

**Participation is key.** We request that you commit to working with your mentor/protégé for at least 6 months, and encourage a 12 month mentoring relationship. It is recommended that mentor/protégé pairs have contact (e-mail or call) at least once every two weeks and meet in person (or have a longer phone conversation) once a month.

**ASCE will be holding a training workshop in May 2009** to give you the tools and tips on how to gain the most out of the mentoring relationships. Examples of topics to be discussed include:

- Meet your mentor/protégé in person
- Discuss the purpose of the program
- Mentoring: What It Is and Isn't
- Mentoring Benefits: Case Study and Testimonials
- Do's and Don'ts ("Ground Rules")

**Sign up to participate.** The attached application will assist the Committee in matching each mentor and protégé appropriately. If you interested in participating as a Mentor or Protégé, please complete the application and return via email or fax to:

**Protégé Applications:**  
 Alfred Pedroza, PE  
 APedroza@BoyleEngineering.com  
 (909) 933-5225 Phone  
 (909) 933-5228 Fax

**Mentor Applications:**  
 Neil Nilchian, PE  
 nnilchia@rctlma.org  
 (951) 955-6782 Phone  
 (951) 955-3164 Fax

**OR to submit via mail send to:**  
 ASCE SB/Riv Mentorship Committee  
 Attn: Neil Nilchian, Chair  
 P.O. Box 124  
 Riverside, Ca 92502

**San Bernardino &  
 Riverside County  
 Branch  
 Mentorship  
 Committee  
 Presents**

If you have a business card advertisement in this newsletter and would like your company or public agency “Spotlighted” in our newsletter please contact our Branch Newsletter Editor, Matthew Addington, at (909) 477-2710 extension 4202.

**LIGHTER SIDE**

**A Train Ticket**

An accountant and engineering convention was being held. On the train to the convention, **there were both accounting and engineering majors**. Each of the engineering majors had his/her own train ticket. But the accountants had only **ONE ticket** for all of them. The engineers started laughing and snickering. The accountants ignored the laughter.

Then, one of the accountants said, "**Here comes the conductor**". All of the accountants piled into the bathroom. The engineers were puzzled. The conductor came aboard and collected tickets from all the engineers. He went to the bathroom, knocked on the door, and said "Ticket please". An accountant stuck their only ticket under the door. The conductor took the ticket and left. A few minutes later, the accountants emerged from the bathroom. The engineers felt really stupid.

On the way back from the convention, the group of engineering majors had ONE ticket for their group. They started snickering at the accountants, who had NO tickets amongst them. When the accountant lookout shouted "Conductor coming!", all the accountants again piled into a bathroom. All of the engineers went into another bathroom. Then, before the conductor came on board, one of the accountants left the bathroom, knocked on the other bathroom, and said "Ticket please".

**Calendar of Events**

General Meeting — Webinar Presentation on Economic Stimulus Package	April 8th	
Branch General Membership Meeting	April 15th	(TBA)
PE Booth and Happy Hour	April 25th	
Bridge to Nowhere Hike	May 2nd	
Mentorship Committee Culminating Dinner	May 9th	Riverside Marriott
YMF — Cal Poly Pomona Softball Game	May 17th	
Storm-Water Committee Municipal SW & GW Discharge Regulations	May 13th	(TBA)
Whitewater Rafting	May 31st	

**Membership Meetings:**

Canyon Crest Country Club, 975 Country Club Drive, Riverside CA  
 Registration/Networking: 11:30am  
 Cost: \$25.00 per person (w/ reservation)  
 Contact: Maria Marzoecki (909) 481-5750

Thursday, May 7      Membership Meeting





Co-CEO's Jim McDonald  
and Bob Kallenbaugh

3300 East Guasti Road, Suite 100  
Ontario, CA 91761  
Phone (909) 974-4900  
Fax (909) 974-4004

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## CURRENT NEWS

### Listen to Insightful Chats with Engineering's Leaders



Vice Adm. Loose

Join ASCE's new monthly series of audio discussions with many of the leading figures in civil engineering — Insights. You'll hear their honest, straightforward views on a wide range of compelling issues facing the profession, especially in these times. This month's conversation is with U.S. Navy Vice Adm. William K. Loose, P.E., M.ASCE, deputy chief of Naval Operations for Fleet Readiness and Logistics. Loose talks about the challenges facing civil engineers in leveraging infrastructure to enhance community quality of life and in striving to serve as innovative change agents.

Listen to the [Insights podcast now](#) or download it to hear at your convenience on your MP3 player.

Have you renewed your Business Card Ad? If not, please contact Newsletter Editor.

THIS COULD BE YOUR BUSINESS CARD AD—SEE PAGE 4 FOR DETAILS.

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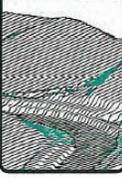
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## Mark Your Calendar

General Meeting — Webinar Presentation on Economic Stimulus Package

**We're on the web:**  
<http://www.asce-sbriv.org/>



### April General Meeting

**Date:** April 15, 2009

**Time:** 6:00 pm—9:00 pm

**Location:** The Old Spaghetti Factory  
11896 Foothill Blvd  
Rancho Cucamonga, CA 91730

**Cost:** \$25 members/ \$12 students

**Deadline:** RSVP by April 8, 2009

**Additional Info:** Joint Meeting with the Student Branch at Cal Poly Pomona



c/o Matthew Addington, P.E., P.L.S.  
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