

Los Angeles Section

Monthly: Est. 1913

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"Few things help an individual more than to place responsibility upon him, and to let him know that you trust him."

— Booker T. Washington

PRESIDENT'S MESSAGE

By Neil D. Morrison, P.E.
 President, Los Angeles Section, ASCE

SOMETIMES YOU JUST NEED TO LAUGH

After all these months of editing my newsletter articles, my wife made the suggestion that maybe it was time to change and provide our readers with some engineering humor. So here goes:

According to Webster:

HUMOR – 3,b: the mental faculty of discovering, expressing, or appreciating the ludicrous or absurdly incongruous

LAUGHTER – 2: a cause of merriment

Famous Quotations as they might refer to engineering or engineers.

"Some people see things that are and ask, Why? Some people dream of things that never were and ask, Why Not? Some people have to go to work and don't have time for all that."
 – George Carlin

"You can turn painful situations around through laughter. If you can find humor in anything, even poverty, you can survive it."
 – Bill Cosby

"Humor is mankind's greatest blessing."
 – Mark Twain

With that said I would like to present to all of you some of the wonderful humor mostly my non-engineering friends send me.

- Two engineering students crossing campus when the first engineering student said to the other "where did you get such a great bike?" The second engineering student replied, "Well I was walking along yesterday minding my own business when a beautiful woman riding this same bicycle rode up to me and threw the bike down and began taking off her clothes and said "take what you want". The first engineering student then nodded approvingly "Good choice, the clothes probably wouldn't have it anyway".
- To the optimist, the glass is half full. To the pessimist, the glass is half empty. To the engineer, the glass is twice as big as it needs to be.
- A pastor, a doctor and an engineer were waiting one morning for a particular slow group of golfers in front of them. The engineer fumed saying "what's with these guys? We must have been waiting for 15 minutes." The doctor chimed in and said "I don't know, but I have never seen such ineptitude!" The pastor then said "Hey, here comes the greens keeper, let's have a word with him about this." "Hi George, what's with that group ahead of us? They are rather slow, aren't they?" George replied by telling the three that the group ahead of them were

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Reminder:

Copy deadline for the July/August 2005 issue is June 1, 2005; copy deadline for September 2005 issue is August 1, 2005.



Delivery Problems

I appreciate the input you have been sending to me regarding the late delivery of our Newsletter. As I alluded to in the past, the situation is beyond my control. As our newsletter gets delivered as bulk mail, we are literally at the mercy of our US Postal Service. They get to it, when they get to it.

I certainly would like to send everything by first class mail, but such a solution is just not economically feasible. As an illustration, we spend approximately \$8,700 per year on mailing costs for bulk mail. If I send through first class mail, then we would have to spend between \$48,000 to \$58,000 per year. Money your Newsletter does not have.

We send out the NL on or before the 15th of every month. That works perfect given the various considerations for timeliness of both ads and articles. Ideally, as we have seen in the past, it should take no more than 10 days to get to any one recipient. That has been the case, as you know, until recently; and your guess is as good as mine as to the reasons why the post office is taking much longer this time.

The letters to me that we have reprinted here represent the litany of complaints I have received on newsletter delivery in the past few months. As I have no way of tracking the delivery of all 5,000 newsletters, I am just crossing my fingers that the letters from our more vocal members are more of the exception rather than the rule.

I have proposed in the past several ways to more effectively disseminate information through our Section Newsletter. These include the delivery of the document as an electronic file to individuals who have e-mail addresses. We thought of continuing only the paper deliveries to those members who do not have e-mail addresses as well as to students. The proposal did meet a rough fate though and consequently I abandoned the idea. Maybe, that solution is worth revisiting.

I have also encouraged our advertisers in the past to send in their announcements for publication at least a few months earlier (and more often) than their target dates. Unfortunately, this has not been met with much enthusiasm. I realize that it costs more to do so in the near term, but effective advertising could be accomplished through more frequent delivery of the message. I leave it up to our clients to weigh that risk. Unfortunately, the newsletter delivery problem compounds the issue that our client's messages do not get delivered in a timely manner.

At any rate, I welcome any more comments you may have. We could certainly use some positive ones. If it is so bad out there, PLEASE tell me so we can make all the appropriate and necessary adjustments to service the Section's needs.

- Dr. Cris B. Liban, P.E.

Letters to the Editor

We have been receiving a number of e-mails lately regarding the (non)-timeliness of this newsletter. Here are the more representative ones.

Hello, everybody:

Cris Liban's editorial column in the April 2005 Newsletter discusses the late delivery problem. But when he said "We can only complain, unless we want to break the newsletter's bank and send all the 5000 newsletters by first class mail" he didn't really come up with a solution. I believe the situation is so unacceptable that the Section MUST come up with a solution if the Newsletter it to be worth much.

Here is the list of when my copies of the Newsletter have arrived in recent months:

November 2004	11-22-04
December 2004	1-05-05 (more than a month late)
January 2005	1-31-05 (a full month late)
February 2005	2-23-05
March 2005	3-9-05
April 2005	4-21-05

The late arrival of the April issue was particularly disturbing because it contained a flier for the April 14 Trent Dames Lecture at the Huntington Library. Dan Lewis, the curator at the Huntington for the Fund for the Heritage of Civil Engineering, paid \$600 to have the flier inserted, and he deserves a refund.

I know that the Post Office is the problem, but we can't just let this situation continue. Maybe we have to send the Newsletter to the Post Office a full month early, instead of half of a month. I know that would mean getting material to the editor a full month and a half before the issue date, but if not that, what other options are available? How much would the extra cost be to send the Newsletter by first class?

PLEASE TAKE ACTION!

Respectfully submitted,

Irv Sherman

Hi again Cris...I really hate to be a pest, but I just received the April Newsletter. It's the 25th. I received your reply to my last E-mail, of course, and accepted my fate. However, doesn't the 25th seem a little lax to you also? Can't you prod your post office? Asking contributors to get stuff to you earlier sounds unreasonable, if you currently get the letter to the post office 5 days before the end of the month. BUT, a whole month to deliver them sounds totally unreasonable and unacceptable to me! If your post office won't cooperate, maybe the postmaster will. Please do something other than patting me on the head, and saying now, now, in a condescending fashion. Thank you for any effort you can put forth to help with the timeliness of the Newsletter. It's a shame to let a careless post office diminish the considerable effort you put into putting the letter together.

Best wishes, Will (Stokes)

continued on page 4

www.ascelasection.org

Interview with Harvey R. Gobas

Eye on Infrastructure, a publication of the California Infrastructure Coalition, recently interviewed Harvey R. Gobas, Senior Project Manager for Psomas, one of the nation's top engineering firms, about the California findings in the American Society of Civil Engineers' (ASCE) 2005 Report Card for America's Infrastructure. Mr. Gobas is the former president of the Los Angeles Section of ASCE (2002-2003) and is chairing the committee for the upcoming October 2005 Los Angeles regional report card. Below is the reprint of that published interview.

EOI: From the national report card, we learned that 60 percent of California's major urban roads are congested. This can't be a surprise to many Californians, but do you see this situation improving in the near future?

HG: Actually, I think the figures are worse than were reported in the report card. The situation is certainly worse in the LA area... the Automobile Club of Southern California's 2002 study found congestion much worse than ASCE did. They estimated the annual cost to each commuter to be \$2500, quite a bit higher than ASCE's \$1668 figure. And I see it getting worse... as *Eye on Infrastructure* has noted, much infrastructure money has been diverted. As long as we are reluctant to spend money on infrastructure, things will only get worse.

EOI: Worse how?

HG: Infrastructure affects the entire economy. People won't want to live here if the physical infrastructure of the state continues to deteriorate - those who are able to will find somewhere else to live where they don't have to deal with this. It doesn't make sense not to invest in infrastructure since each billion dollars spent on infrastructure brings approximately 47,500 jobs to the local economy. The benefits are two-fold.

EOI: Is the only solution increased funding?

HG: It is the primary solution, but businesses can and are doing other things that weren't possible 15 or 20 years ago. Some are moving to four day work weeks, some aren't practicing standard nine-to-five hours, and more people are telecommuting. Obviously this is not widespread, but it does show that things could be even worse!

EOI: Do you think voters are aware of how bad things are?

HG: They are aware only of what they see and experience firsthand. A recent poll conducted for the Association of California Water Agencies and the California Special Districts Association illustrated this. One question asked how voters think state and local government should spend tax money. Of the categories rated in the national report card, schools, roads, and parks were the only three even cited on the voters' lists - because these are the things we encounter everyday. But other very significant problems - such as the condition and capacity at the ports of Long Beach and Los Angeles and our deteriorating water infrastructure - do not get recognition, because people don't think about what they don't see.

EOI: But the report card results show that we need to be thinking about these things.

HG: Yes. For example, terrorism is something we have all been thinking about... we hear about possible attacks on reservoirs and water systems. But in many respects, it doesn't matter if a dam or a bridge

is blown up by terrorists or suffers a structural collapse - people will be affected in the same way.

EOI: The report card also evaluated the nation's water infrastructure. It is estimated that California's drinking water infrastructure needs \$17.5 billion over the next 20 years. Why is such a sizable investment needed?

HG: A lot of the water infrastructure in California was put in place in the 1940's after World War II. That infrastructure is now reaching the end of its life. Many agencies have not budgeted money to replace water systems; yet, over the next 20 years, we need to do so. In 2002, the LA report card got a C- for drinking water infrastructure, one of the three lowest grades. Low grades for drinking water, coupled with a deteriorating wastewater infrastructure, can be a dangerous combination. **EOI:** Do these low grades pose a specific threat?

HG: Yes - if you have a situation where a waterline fails, and that pipe is near a leaking sewer, that leakage could find its way into the water distribution system and eventually into homes. At that point, the Health Department would have to issue warnings to residents and businesses to boil water. In some cases, an official would go through neighborhoods with a loudspeaker.

EOI: The ASCE report card also revealed disturbing facts about schools - 71 percent have at least one inadequate building feature and 87 percent have at least one unsatisfactory environmental condition. Can you tell us in more concrete terms what this means...how dangerous is this situation?

HG: That's a good question. For the most part, it is a building that does not have sufficient capacity to house the students. Many are extremely overcrowded. We are not currently providing enough facilities for the student population. In the Los Angeles area regional report card to be released in October 2005, we will have an evaluation for school facilities.

EOI: How can Californians help to improve the state's assessment?

HG: More people need to become aware of infrastructure problems and write to and talk to their representatives who control the purse strings. As long as people don't do that, elected officials will not recognize that they must focus on infrastructure. Politicians listen to constituents, so constituents need to let lawmakers know that this is a priority for them.

EOI: Thank you so much for taking time to speak with us. We look forward to talking to you in the fall about the Los Angeles regional infrastructure report card.

HG: Thank you.

Official Member Notification of Nominations

Official Member Notification of Nominations for the
2005/2006 Board of Directors of the
Metropolitan Los Angeles Branch
American Society of Civil Engineers

In accordance with the Bylaws of the Metropolitan Los Angeles Branch, you are hereby notified of the nominations presented to the Board for the following positions:

President-Elect **Cung Nguyen, P.E.**

Vice President **Karen Foust**

Treasurer **Sam Nabbout**

Secretary **James Wei**

Qualifications for these individuals are listed below in biographies for your review. Additional nominations for each office to be filled may be made by a petition signed by not less than twenty-five (25) subscribing members of the Branch provided that such petition is accompanied by a written acceptance of the nomination by the nominee and is filed with the secretary no later than June 1, 2005. Please contact Karen Foust, Secretary, at Karen.foust@dmjmharris.com should you have any questions regarding this process.

President-Elect

Cung Nguyen is a Registered Civil Engineer and has worked for the Los Angeles County Department of Public Works for fifteen years. He has managed both capital and infrastructure construction projects, designed highways and road improvement projects, and coordinated storm and groundwater recharge operations to replenish our aquifers. Cung is a Senior Civil Engineer and is currently the Head of Architectural Engineering Division's Contracts Administration Section. He oversees the solicitation process for Architectural and Engineering consultant services and the invitation for bids for construction contracts for the Public Works.

Vice President

Karen Foust is currently working as a civil engineer for DMJM+Harris in their Los Angeles office. Her work with ASCE includes acting as the current Secretary for the Metropolitan Los Angeles Branch as well as the Comm! ittee Chair for Student Activities. She formerly acted as the Confere nce Advisor for Student Activities for the Orange County Branch. Karen has also been heavily involved in the recruitment of young engineers to the profession through student outreach programs.

Noted accomplishments would include her work while earning her degree as project manager for California State University, Long Beach's (CSULB) regional first place student bridge for ASCE. Karen was also chosen for Outstanding Baccalaureate for her graduating class of civil engineers for CSULB. In addition, she has noted efforts in student government as the Attorney General throughout the year 2001. She brings overall business, government and recent educational experience to the role of Branch Secretary as well as the successful fulfillment of these duties throughout 2003-2005.

Treasurer

Mr. Nabbout joined SA Associates Consulting Engineers in July of 2002. He has worked on numerous projects in the design and construction management areas. The projects included! water and sewer mains; roads, reservoir sites, and mobile home parks rehabilitation; sewer master plan; and water treatment. He is a member of ASCE (MLAB), APWA, AWWA and CCEA.

He is currently working on his Masters in Civil Engineering at the California State University, Long Beach (CSULB). He is planning to graduate in the spring of 2005. He earned his Bachelor's Degree in Civil Engineering at CSULB. He was the CSULB Canoe Team Captain for the year of 2001.

Secretary

James Wei is a civil engineer working in design of transportation projects for Parsons Brinckerhoff (PB). He has been a resident in the Los Angeles area since high school. He graduated from Cal Poly Pomona in 1991 and began work for PB in their Orange office. He has primarily worked in the transportation industry with projects varying from street and freeway design to the California High Speed Rail. After Orange he moved to HNTB in Irvine where he designed and managed several local ! projects. Last December he rejoined PB in the Los Angeles office. In addition to his work at PB he has been involved in high school outreach programs to promote civil engineering to potential future elite engineers.

To unsubscribe, please send an e-mail to the President or Membership Chair of your organization. You can find the email addresses for these individuals on-line on the society's "Our Contacts" Tab.

Letters to the Editor *continued*

Chris

Your column in the April newsletter was very timely. The timing problem with delivery is alive and well. My copy arrived yesterday, April 18. It included a notice for the Trent Dames Lecture on April 14. Interesting from an historical perspective but valueless for anyone who may have wanted to attend.

The Postal Service is not providing much service. I appreciate your efforts to get them to improve. Let us know if there is anything we can do as members to help you; letters to the head of the Service, our congressmen, whatever.

Thanks for all you are doing!

Hunter Cook, F.ASCE

ANNOUNCEMENTS

Participate in the ASCE Salary Survey NOW

We are encouraging all of our Section and Branch members to participate in one of ASCE's greatest member benefits—the United States' largest and only real-time domestic engineering compensation survey—by going to on www.asce.org/salaries. When you participate, you will receive a **free** salary report with the CURRENT salary information for their level in your region. The Salary Survey is a collaborative effort between ASCE, the National Society of Professional Engineers (NSPE) and the Institute of Industrial Engineers (IIE). For further inquiries, please contact member@asce.org or call (800) 548-ASCE (2723).

Metropolitan Los Angeles Branch June Program

What: Speaker and Dinner
Date: Thursday, June 9, 2005
Time: 5:00 p.m.
Place: Loyola Marymount University

This is a special evening session of an Engineering Ethics Conference at Loyola Marymount University

Keynote Speaker, Professor David P. Billington. A member of the Princeton University Department of Civil Engineering for over 40 years, Dr. Billington's lectures and teaching exhibitions have earned international recognition. *Engineering News Record* named him one of the top 125 persons in Civil Engineering during the past 125 years. Dr. Billington is the author of more than 160 journal articles and eight books, including *The Innovators: The Engineering Pioneers Who Made America Modern*.



Questions? Contact Sharon Perlstein
sperlstein@weho.org

www.metrolabbranch.com



President's Message *continued*

blind firefighters who had lost their sight saving the clubhouse during the fire last year and have been a free pass when ever they want to play golf. The three were silent for a moment and then stared talking. First the pastor said "he thought he would say a special prayer for the brave firefighters." Next the doctor said "he would contact his ophthalmologist friend and see if there was anything he could do for them. Last, the engineer said "Why can't they play at night".

4. Question: What is the difference between Mechanical Engineers and Civil Engineers?

Answer: Mechanical Engineers design and build weapons, Civil Engineers design and build targets.

5. "Normal people believe that if it ain't broke, don't fix it." Engineers believe "that if ain't broke, it doesn't have enough features yet".

6. An architect, artist and engineer were discussing the merits of whether or not it was better to spend time with the wife or a mistress. The architect said he enjoyed time with his wife, building a solid foundation for an enduring relationship. The artist said he enjoyed time with his mistress, because of the passion and mystery he found there. The engineer said he likes both because "if you have a wife and mistress, they each will assume you are spending time with the other woman and instead you can go the lab and get some real work done"

7. An engineer one day was walking along when a frog called out to him and said "if you kiss me, I'll turn into a beautiful princess." The engineer, being an engineer, leaned over and picked up the frog and placed it carefully into his shirt pocket. Once again the frog spoke out and said "if you kiss me I will turn into a beautiful princess and I will stay with you for a week". The engineer carefully removed the frog from is shirt pocket looked at it and placed it back in his shirt pocket. The frog being somewhat frustrated, yelled out "if you kiss me I will turn into a beautiful princess, I will stay with you forever and do anything you want." Once again, the engineer carefully removed the frog from his pocket, smiled at it and replaced the frog into his pocket. The frog being quite frustrated at this point yelled out "what is wrong with you, I told you I am a beautiful princess, I told you I would stay with you and I told you I would do anything for you" The engineer again removed the frog from his pocket and said "look I am an engineer, I don't have time for a girlfriend, but a talking frog, now that's cool".

Well I hope I have brought some humor to you and that maybe just for a second or two you were able to chuckle. I also hope that maybe this article will help all of us to remember that although laughter is not the cure for all that may ail us, it certainly helps sometimes to hear a good joke, watch a good comedian or show or best of all share some humor with your love ones and co-workers. Have a great summer and remember, keep laughing!.

Neil D. Morrison, P.E.
President

ASCE's 2005
Member-Get-A-Member
Drive Depends on You!

**ASCE Los Angeles Section - International Committee
4th International Engineering and Construction Conference
July 28, 2006 (Friday)
at California State University, Fullerton, California**

**SPONSOR: ASCE Los Angeles Section - International Committee
Host: ASCE Student Chapter, California State University, Fullerton, California**

CONFERENCE THEME

*“Challenges in the completion of Civil Engineering Projects in a Global Setting-
Lessons Learned and Successes Accomplished”*

CALL FOR ABSTRACTS (GENERAL)

Abstracts are solicited on international and domestic engineering or affiliated scientific projects related to: *Engineering Analysis and Design; Project Management; Codes & Standards of Practice; Quality Control & Resource Constraints; Construction Engineering; Bidding & Contract Administration; Project Financing and Procurement; Risk Assessment and Management; Legal, Ethical and Cultural Issues; Environmental Impacts and Mitigation; Design/Build and/or Operate Projects, Scheduling and Project Delivery.* Limit: 600 Words or less.

DUE DATE FOR ABSTRACTS: AUGUST 15, 2005

Send abstracts via e-mail to: Mr. Tim Hancuff, P.E., Program Chairman, County Sanitation Districts of Los Angeles County, 1955 Workman Mill Road, Whittier, CA 90601. E-Mail: thancuff@lacsds.org, Ph: (562) 699-7411, Ext. 1614.

Authors will be notified of acceptance or otherwise of their abstracts by October 1, 2005. Full papers are not exceeding 10 pages (12 Point, Single Space) including figures, tables, etc., and are due by **March 15, 2006**. The papers should be submitted as an electronic file (MS Word) via E-Mail, on a diskette or CD-ROM. Conference proceedings will be prepared on a CD-ROM.

STUDENT PAPER CONTEST

Topic: Global Role of Engineers in Building a Peaceful World for Humanity in the 21st Century

CALL FOR CONTEST PAPERS: The ASCE-LA Section International Committee solicits papers for “Student Paper Contest” from engineering and affiliated science students on the topic: “GLOBAL ROLE OF ENGINEERS IN BUILDING A PEACEFUL WORLD FOR HUMANITY IN THE 21ST CENTURY.” Papers may be based on a generic thought process or any case study of an ongoing or completed (within the past one year) project or research/experimental work. The thrust of the paper should emphasize how his/her paper/project would contribute to build a peaceful world for humanity.

STUDENT ELIGIBILITY: The students should be currently registered at an accredited university/college at least for 6 semester units. A letter from the Dean, Department Chair or Major Professor attesting the student status must be submitted along with the paper. Work performed by the student as a part-time employee in an engineering company or laboratory may also be utilized as a basis for the paper.

PAPER GUIDELINES:

- ☛ Length of full paper shall not exceed three (3) 8.5”X11.0” pages, including figures, tables, etc.
- ☛ Use 12 point, single space, with 1.0 inch margin on all the 4 sides.
- ☛ Papers should be submitted as a word or text file (MS Word preferred) via E-Mail or on a diskette or CD-ROM, along with a hard copy.
- ☛ Attach a letter from the Dean, Department Chair or Major Professor attesting the student status.
- ☛ **Deadline for submitting full papers: January 31, 2006**
- ☛ **Address: Mr. Tim Hancuff, P.E., Program Chair, County Sanitation Districts of Los Angeles County, 1955 Workman Mill Road, Whittier, CA 90601. E-Mail: thancuff@lacsds.org, Phone: (562) 699-7411, Ext. 1614.**
- ☛ **The papers will be reviewed by a team of professionals and the winners will be announced by February 28, 2006.**

AWARDS FOR WINNERS: Total funds for all prizes in this competition are approximately \$2,000. In addition to a cash award, winners will receive certificates and the opportunity to present their papers at the conference. Papers not selected for an award may receive special recognition based on their merit.

The International Committee is always seeking ASCE members interested in taking active roles in the committee activities and also to serve as Session Chairs and Moderators for the conference. **For additional information, please contact Dr. C.T. Bathala, P.E., F. ASCE, General Conference Chairman, E-mail: ctbathala@hotmail.com, Ph: 949-724-2994, FAX: 724-2963.**

CONFERENCE SITE: California State University at Fullerton, 800 N. State College Blvd., Fullerton, California. For directions and map, please see the University’s Website: **www.fullerton.edu**.

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Younger Member Forum (YMF)

Everyone is welcome to attend our upcoming events!!

SB/RC YMF General Meeting, 6/6/05, Riverside, CA

LA YMF Board Meeting, 6/14/05, Alhambra, CA

OC YMF Board Meeting, 6/21/05, Irvine, CA

OC YMF Wine Tasting, 6/25/05, Santa Barbara, CA

OC YMF Speaker Series, 6/28/05, TBD

SB/RC YMF Speaker Series, TBD

SB/RC Branch/YMF Luncheon, TBD, Fontana, CA

SBAR/VENT Santa Cruz Island Campout, TBD

Contact Greg Sommer at gsommer@ladpw.org to be added to the Younger Member e-mail distribution list and receive announcement on all upcoming YMF events, tours, and other activities.

Please visit our websites:

LA YMF - <http://www.asce-laymf.org/>

OC YMF - http://www.ascelasection.org/yfm_main.cfm?ID=9

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The AES Programs and the AES Stormwater Information Management System (SIMS) have been used to develop 55 City-Wide and County-Wide Master Plans of Drainage and has been the standard for preparing drainage studies since 1980. AES Program Developers & Support: Theodore V. Hromadka, II, Ph.D., Ph.D., P.E., P.H., Professor Emeritus, California State University, Fullerton; Johannes J. DeVries, Ph.D., P.E., University of California, Davis; Howard H. Chang, Ph.D., P.E., Professor, San Diego State University; Paolo Zannetti, Ph.D., QEP, President, EnviroCOMP; Robert J. Whitley, Ph.D., Professor, University of California, Irvine; Carlos Brebbia, Ph.D., Director, Wessex Institute of Technology; Gary Guymon, Ph.D., P.E.

DISASTER SERVICE WORKER TRAINING

Classes are being organized for volunteers to help in the event of major disasters under the auspicious of the State of California, Office of Emergency Services O E S. Classes will be held in alternate A S C E Branch areas when there are sufficient requests. Qualified individuals are California Registered Civil, Structural, Geotechnical, Certified Engineering Geologists, or Architects. If you are interested in attending a class please contact the A S C E Disaster Preparedness Committee Chairman.

To register for a class submit your name along with your telephone number, Fax number, and E-mail address. You will be contacted when sufficient number of applicants in your area register for a class.

If your Branch or firm would like to offer the use of facilities for a class, please provide a contact person and phone number. They will be contacted to make arrangements.

Thank you for your support of the American Society of Civil Engineers

Jack W. Rolston, Chair Disaster Preparedness Committee
Los Angeles Section
A S C E.
818-345-9199 818-345-5283 fx

A Great Idea From the Life Members

The ASCE Life Members' Public Image Committee request that members take their (to be discarded) Civil Engineering magazines to their doctor's office or barber shop and merge them with the stack of magazines. We feel that this will be an effective way to make the general public more aware of what civil engineers do.

EMPLOYMENT OPPORTUNITIES

KPFF CONSULTING ENGINEERS

KPFF Consulting Engineers seeks motivated and energetic **civil and structural engineers** and **CAD operators**. 2+ years of design experience desired. California P.E. preferred. Also seeking CAD Operators with 1+ years of experience. Excellent communication and teamwork skills are essential. Substantial growth opportunity for all levels, and the opportunity to work on a wide variety of interesting and challenging projects. **Positions available in our Los Angeles, Pasadena, Long Beach, and Irvine locations. Please visit our website: www.kpff.com**

Please contact, fax or e-mail resume to the following:

Ms. Tamara Kealty
KPFF Consulting Engineers
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