

THE TPS REPORT

<http://younger.asce.org/sandiego/>

Important ASCE YMF Dates:

- Tuesday, October 16, 6 - 8 PM. YMF hosts "Muggs" Stoll, SANDAG Program Manager, giving a presentation on TransNet Early Action Projects
- October 26-27, 2007 PE Exam
- October 27, 2007 YMF hosts Post PE Happy Hour at the Tin Fish
- November 1-3, 2007 137th ASCE Annual Civil Engineering Conference, Orlando, FL <http://content.asce.org/conferences/an07/Welcome.html>
- October 9, 2007 YMF Resume Workshop, watch your e-mail inbox!
- Mid-November, 2007 SDSU ASCE Student Section Professional Development Day. Watch your e-mail inbox!
- November 20, 2007 Food drive and meeting at Karl Strauss Brewery and Gardens Sorrento Mesa (Speaker TBA)
- December 2007 Holiday Party and Toy Drive at Dave & Busters (Time and Date TBA)

ASCE YMF Reminders:

- Visit www.asce.org/ membership to become an ASCE member
- Want to get involved with YMF—Come to the Board Meeting on October 2 and November 6, 2007 to learn about exciting opportunities. The meeting will be held at Simon Wong Engineering starting at 6:00 PM

San Diego wants some!



Members of San Diego YMF visiting the Twin Oak Valley Water Treatment Plant

Clean Drinking Water.

Soon we will have some more! To find out how fourteen younger members toured the Twin Oaks Valley Water Treatment Plant construction site on Friday, July 27. The tour was led by Randy Hill and Barbie Blann of CH2MHill and Jeremy Crutchfield of SDCWA. Randy Hill spoke about the project at the May YMF meeting and invited us for a tour of the site this summer. Prior to the tour, members were given a safety brief and overview of the design-build-operate project. The ambitious two and a half-year project to construct the world's largest submerged membrane treatment plant is nearing completion. Members saw several areas of the site including the plant's Venturi meter.

Message from the President

September 23 marks the end of summer and first day of Fall, and, of course, another year of activities for San Diego ASCE Younger Member Forum! Returning and new YMF officers got a head start this year at our 2nd Annual Officer's Retreat. Fourteen officers gathered in Idyllwild over a weekend in mid-August. We've got a lot of great ideas for meetings, field trips, community service, educational outreach, and social events.

Another year also means that I'll be handing off my responsibilities to incoming President, Angela Juran of Simon Wong Engineering. Angela has been an active member of YMF since returning to San Diego over two years ago, volunteering for the PE Review Course and serving as YMF Treasurer and President-Elect. I'm confident that she'll have an excellent year. I'll still be supporting YMF as Director, serving as a liaison between younger members and the San Diego Section.

I'll be looking forward to seeing familiar faces as well as meeting new members at our upcoming meetings and events, both service-oriented and social. If you would like to find out how to get involved with YMF or have ideas for future meetings and events, please feel free to contact me at

khakola@simonwongeng.com.

P.S. "Good Luck" to those of you who are taking the FE and PE exams in October. Don't forget that YMF will be hosting a Post PE Party at the Tin Fish immediately following the exams on Saturday (you don't have to take the test to attend!)

-Submitted by Kimberly Hakola



YMF Yearly Planning Retreat
Idyllwild, CA August 2007

Advertise your Job Openings in the YMF Newsletter

Email Hector Maytorena at hmaytorena@Burkett-wong.com to learn more about placing job postings in the YMF Newsletter.



LEED The Way

At our March meeting, Ms. Josan Feathers from the US Green Building Council (USGBC), led our members through the Leadership in Energy and Environmental Design (LEED) certification process as it applies to site development, water efficiency, renewable energy, construction waste management, and recycled content.

Ms. Feathers explained the various sections of the LEED checklist as well as the point system, which is tabulated upon final certification to determine the level of LEED participation. Projects can be certified as new construction, existing renovation, core and shell, commercial interiors, retail, schools, residential homes, or neighborhood projects.

As engineers, we can help promote green building by encouraging our clients and agencies to consider more efficient methods of water conservation or use of recycled products. Additionally, some construction materials can be reused or recycled to reduce the amount of off-site waste hauling.

The USGBC has a San Diego chapter and also a group of students and young professionals (like us!) called Emerging Green Builders. The San Diego chapter often has tours of LEED projects and workshops throughout the year. YMF thanks Ms. Feathers for helping us understand not only what green building entails, but also how it applies to our field of work.

USGBC-San Diego:

<http://www.usgbc-sd.org/>

Emerging Green Builders:

<http://www.usgbc.org/DisplayPage.aspx?CMSPageID=116&>

A, B, C or D

They spent countless hours sacrificing, preparing, and studying. They came equipped with pre-approved calculators and suitcases full of reference materials. They spent up to 16-hours correctly filling in the bubbles on Scantron sheets. And at the sound of the last "Pencils down", they had only one thing on their mind...YMF Happy Hour at The Tin Fish!

The semi-annual event hosted by the San Diego YMF was held at The Tin Fish, conveniently located right across the street from the San Diego Convention Center. To help spread the word to test takers, the San Diego YMF set up a booth to hand out flyers and ASCE promotional material during both days of the examination. The booth was also an excellent way for us to answer general questions regarding ASCE, the Younger Members Forum and to promote our PE Review Course (for those who weren't feeling too confident about their tests).

Those who had enough energy after the last exam to hop across the railroad tracks and land at The Tin Fish were treated to a plethora of appetizers sponsored by the San Diego YMF. The weary test takers were welcomed with warm weather, hot appetizers, and ice-cold beverages. The happy hour was enough to slay the fiercest post-exam blues... well, at least let you forget about them for the time being.

Thanks to Denise Tomlinson and Tiffany Criswell of the California Board of Professional Engineers and Land Surveyors and Matt at The Tin Fish for helping make this event a success.

-Submitted by Travis Hammond

College is expensive, ASCE YMF helps

This year San Diego YMF formed a scholarship committee, headed by Jessica Perry. Our committee members included, John Prince, Sean McCarty, Kimberly Hakola, Emil Rudolph, and Angela Juran. The intent of this committee was to provide scholarships to 4 local college-level students; one UCSD student, one SDSU student, and two community college students. The committee received a number of exceptional applications, and with that, added an honorable mention scholarship to a student at each UCSD and SDSU.

Below is a list of our award recipients, as well as a short background of each and a line from their essay. The essay topic was as follows:

Why do you deserve this scholarship? What are your plans and goals for your education and career in engineering?

Kevin Lin - UCSD

Currently completing his bachelor's in Structural Engineering at UCSD, grad student in the fall at UCSD.

Member of Tau Beta Pi and this year's Vice President of the ASCE student chapter.

Kevin believes that the teamwork and organizational skills he has gained with ASCE has not only made him a better person, but will also help him to become a better engineer for the future.

Justin Barrett - SDSU

He will be graduating next year, is the current Vice President of the ASCE student chapter and was just voted in as President for next year.

Justin said that his primary educational goal is to never stop learning, that learning is a lifelong process and there is always a potential to grow and experience something new.

Abraham Hernandez – Palomar Community College

A second year student at Palomar Community College and continuing on to Point Loma Nazarene University, working toward a BS in Electrical Engineering.

After a field trip to the Cal State Long Beach campus for an Engineering seminar he became fascinated with the idea of building and designing to improve and one day benefit the human population. Abraham ended his essay with a quote by Albert Einstein, "Try not to become a man of success but rather become a man of value"

Colby Cushing – Honorable Mention

Currently completing his bachelor's in Civil Engineering at SDSU – grad student in the fall at UCSD structural program Current treasurer for the Chi Epsilon CE Honor Society.

Colby made a great point in his essay, by saying that the students he works with in professional organizations now will be those he may work with in the future.

Dorcas Olaniyan (Tope) – Honorable Mention

She will be graduating next year with a BS in Civil Engineering and a minor in Mathematics.

She is currently involved in a number of campus engineering professional societies including ASCE.

Dorcas said that, "becoming an engineer is life rewarding knowing that she will be changing the world everyday by designing infrastructures and ensuring that they are properly maintained and rehabilitated to avoid disasters in the future."



Shown from left to right::

Justin Barrett, Colby Cushing, Dorcas Olaniyan and Abraham Hernandez



Engineers Without Borders showing their helping hands

Engineers Without Borders (EWB)

April 2000. Dr. Bernard Amadei, a Professor of Civil Engineering at the University of Colorado at Boulder received an invitation to San Pablo, Brazil from Angel Tzec, a representative of the Belize Ministry of Agriculture. The purpose of the trip was to explore the possibility of installing a water delivery system for the Village, which lacked not only clean water, but also sanitation and electricity. The lack of a water source in the village meant that the Village Children were responsible for carrying water from a nearby river, while the adults worked at a local banana plantation.

Fast forward to May 2001. A project team made up of Boulder University students and an advisor made another trek to Brazil to construct a pipeline between the river and the village. The \$15,000 project was completed with labor from the village, allowing the children to spend their time in school instead of fetching water.

This experience led to the creation of Engineers Without Borders – USA; The organization has exploded since it's inception 6 years ago. With 51 Professional and 115 Student chapters, *Engineers Without Borders – USA (EWB-USA) is a non-profit humanitarian organization established to partner with developing communities worldwide in order to improve their quality of life.* This partnership involves the implementation of sustainable engineering projects, while involving and training internationally responsible engineers and engineering students.

The Process

Activities of EWB-USA range from the construction of sustainable systems that developing countries can own and operate without external assistance, to empower such communities by enhancing local, technical, managerial, and entrepreneurial skills. Projects undertaken by EWB-USA are initiated by, and completed with, contributions from the host community. Contributions of this sort are essential to the long term sustainability, and therefore the success, of projects.

In addition to ensuring community involvement and appropriate design, EWB-USA chapters form long term relationships with their adopted communities and Non-Governmental Organization (NGO) partners. Lasting relationships with the NGOs provide the opportunity for implemented projects to be reviewed, ensuring that maintenance has been performed and the systems remain operable in the long term.

San Diego Chapter

Established in 2006, the San Diego Professional Chapter of Engineers Without Borders is a group of professionals who volunteer their time and expertise to the mission of EWB-USA by contributing to humanitarian aid projects around the world. Both tenure and industry practice vary greatly from member to member, creating a dynamic panel of experts who collaborate on unique projects and solve challenging problems. Active

members include a variety of engineers (civil, environmental, petroleum, electrical, mechanical), university professors, environmental scientists, ex-Peace Corps volunteers, experts in sociology, alternative energy, and more.

Monthly chapter meetings are a forum for education, project communication, networking, and idea exchange. Project teams spur off of this group, meeting more or less frequently as project tasks require. The San Diego Chapter is currently working on a potable water project in Andhra Pradesh, India, and is exploring a potential partnership with a local non-profit interested in improving sanitation for “colonias” in Baja, in turn improving water quality in the Tijuana Estuary and ultimately, San Diego's beaches. Although projects thus far are related to water and sanitation, the group's potential is directly linked to the expertise and momentum of its members.

The San Diego Professional Chapter is constantly changing, with members taking on more challenges and responsibilities as the chapter continues to grow. Consistent in this growth is the desire to spend time and talent improving the lives of people in developing countries while being conscious that even the best intentions can have negative impacts if planning and execution are not done carefully and deliberately.

Join Us!

All are invited to join, regardless of professional background. Travel is not required, as most of the work is done stateside leading up to implementation. Members act as project coordinators, technical consultants, drafters, translators, organizers, writers, and accountants. The binding force between members is the desire to lend some time and expertise to help solve problems faced by those living in the developing world.

The Engineers Without Borders – San Diego Professional chapter meets on the first Wednesday of every month at varying locations. In order to stay informed of chapter operations and to receive meeting announcements, send an e-mail to the Chapter President, Nicolas.fontaine@hdrinc.com.

-Submitted by Nicolas Fontaine



Committee Work

Twice a year, the National ASCE Committees gather to address the issues of the association and the civil engineering profession. These committees are made up of ASCE volunteers who serve terms varying from one to three years. Committee members met for a long weekend in mid-April in Herndon, Virginia, just a few miles from the ASCE National headquarters in Reston. Committee meetings held on Saturday included: Communications, Annual and Specialty Conferences, Professional Practice, Younger Members, Educational Activities, History and Heritage, International Activities, Technical Activities, and Membership. Additional committees that met on Sunday included: Diversity and Women in Civil Engineering, Geographic Units, and Publications.

As a younger member of ASCE, I was fortunate to have served last year as a corresponding member (getting all the emails, but without an actual vote) on the Membership Committee. This year, I became a full member of the committee, with the goal of helping ASCE to provide its 139,000 members with the most value for their membership dues, and to attract and retain those members.

Ideas discussed during the membership committee meeting included providing discounted memberships to public sector employees (voted down), creating "YouTube" videos of engineers discussing their careers (thanks to Scott Ketcham for this idea), and Younger Member Forums setting up a booth at PE Exam locations to recruit new members (thanks Los Angeles YMF for this idea).

YMF members interested in participating in national committees should check out the National ASCE website, and let us know you are interested in helping ASCE.

[Http://www.asce.org/inside/committees.cfm](http://www.asce.org/inside/committees.cfm)

-Submitted by Travis Hammond

2007 Engineering Fair

In March, YMF members volunteered as professional society judges for the 53rd Annual Greater San Diego Science and Engineering Fair. The science fair was held at the Balboa Park Activity Center on March 28, 2007. This year the fair showcased over 800 projects selected from some 12,000 projects representing over 115 local schools.

For over 16 years ASCE has supported this event by sending a professional society judging team and awarding savings bonds to their top three winners. Candidates for the ASCE award are children in the Junior Division, grades 7 and 8, whose projects are related to the field of Civil Engineering. YMF members participated by joining the ASCE judging team.

Thank you to the YMF members who joined in, and congratulations to this year's ASCE winner's below!

Oriana Di Fede

Marshall Middle – Eighth grade

What are the Effects of Wind Resonance on Structures

Maddy Goss

Rhoades - Seventh grade

Investigating Lead Levels in Water and Soil at Mission Bay

Stephanie Merrill

Warren Walker—Seventh grade

Green Concrete

WANT TO GET INVOLVED WITH ASCE YMF?

If you've been wondering how to become involved with YMF or would just like to know what types of opportunities there are to help, join us at the next board meeting:

October 2 and November 6, 2007 at 6:00 PM

Simon Wong Engineering
9968 Hibert Street, Suite 202
San Diego, CA 92131

Please join us to discover the many opportunities YMF has to offer!

What is the Mystery?

UCSD recently hosted the ASCE Pacific Southwestern Regional Conference, where they asked YMF to take charge of the Mystery Event. The weekend of the 14th of April the mystery was revealed!

The goal of the event was to have students apply their knowledge about compaction and reinforcement. After spending most of their year preparing their projects for the conference, students enjoy a less serious event, the Mystery Event.

Starting with a scooter race, students then had to pop four balloons, one containing the word "GO". Next, was a 50 yard dash with a Frisbee throw to the last leg. Lastly, wearing flippers, students had to carry the last leg to the finish line. With an average time of one minute, the winning team managed to finish in 34 seconds!

Congratulations! Cal State Fullerton.

A special thanks to Greg Kump (Nasland Engineering), Silvia Noriega, John Prince and Sean McCarty (RBF Consulting) for making all the ridiculous flipper running, Frisbee tossing fun for the students.

Random links

http://www.cubpack81.com/images/carve_pumpkin.swf

<http://sdkomen.org/>

<http://www.miramairshow.com/>

<http://www.sandiego.org/event/Visitors/2041>

<http://www.serve.com/sosorgan/>

<http://www.balboapark.org/calendar/detail.php?EventID=370>

<http://www.iccsafe.org/>

<http://www.astm.org/cgi-bin/SoftCart.exe/index.shtml?E+mystore>

Have a laugh!

A man is flying in a hot air balloon and realizes he is lost. He reduces height and spots a man down below. He lowers the balloon further and shouts, "Excuse me, can you tell me where I am?"

The man below says, "Yes, you're in a hot air balloon, hovering 30 feet above this field."

"You must be an engineer," says the balloonist.

"I am," replies the man. "How did you know?"

"Well," says the balloonist, "everything you have told me is technically correct, but it's of no use to anyone."

The man below says, "You must be in management."

"I am," replies the balloonist, "but how did you know?"

"Well," says the man, "you don't know where you are, or where you're going, but you expect me to be able to help. You're in the same position you were before we met, but now it's my fault."

A body builder, decided to get a job working as a laborer at a construction site. Being a usual overconfident guy, he soon began to brag to the other workers about all sorts of things. One day he decided to brag that he could outdo anyone in a feat of strength. He made a special case of making fun of the wiry engineer on the site. After several minutes, the engineer had had enough.

"Why don't you put your money where your mouth is," said the engineer. "I will bet a week's wages that I can haul something in a wheelbarrow over to that outbuilding that you won't be able to wheel back."

"You're on, little guy!" the braggart replied. "Let's see what you got."

The engineer reached out and grabbed the wheelbarrow by the handles. Then, nodding to the young man, he said, "All right: Get in."

Community Events

Grunion Run

The fish are to be caught only by hand. A fishing license is required for persons age 16 and older.

Date: June 6, 2007 - November 6, 2007

Time: 10:30 pm - 11:59 pm

Admission: A fishing license is required for persons age 16 & older

In October San Diego Zoo is free for kids under 11 years of age.

7th Annual Dia de los Muertos Festival (Day of the Dead) on Sunday, October 28, 2007 from 10 am to 4 pm in Downtown Oceanside.

Oktoberfest Oct. 5, 6 & 7 La Mesa, Oct 6 Carlsbad

December nights Balboa Park Begins December 2nd

Ice skating in Horton plaza November 16 to January 7

Inline Skate race begins at 7:05 a.m. Sunday, Nov. 13 at Sunset Park in Coronado \$65

Thanksgiving, enjoy the holiday!



2006-2007 San Diego ASCE YMF Officers

President	Kimberly Hakola	Simon Wong Engineering	khakola@simonwongeng.com
President-Elect	Angela Juran	Simon Wong Engineering	ajuran@simonwongeng.com
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VP-Education	Sean McCarty	RBF Consulting	smccarty@rbf.com
VP-Community Service	John Prince	RBF Consulting	jprince@rbf.com
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Golf Tournament Chair	Craig Shannon	Simon Wong Engineering	cshannon@simonwongeng.com
E-Day at the Mall Chair	Jessica Perry	CH2M Hill	jessica.perry@CH2M.com
Social Events Chair	Travis Hammond	Haley & Aldrich	t Hammond@haleyaldrich.com
PE Review Course Co-Chair	Devon Beach	Moffatt Nichol	dbeach@moffattnichol.com
PE Review Course Co-Chair	Tracy Beach	Lundstrom	Tracy@lundstrom.cc
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