



Younger Member Newsletter

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developing countries by the year 2015. A.T. Kearny, Inc. forecasts that about 2/3 of the world's major cities will be in developing countries by the year 2020. We know that the developing countries do not have the engineering and construction capabilities to produce this much work. So, we will see multi-national teams of engineers and constructors engaged on projects in countries throughout the world. The projects will be similar to those we do in the U.S., such as roads, bridges, water treatment systems, flood control systems, waste water treatment plants, transit systems, irrigation and drainage facilities, housing, schools and hospitals. I just returned from a trip to China, where members of ASCE's Environmental and Water Resources Institute met with Chinese engineers to discuss their water supply and wastewater treatment issues. The Chinese engineers face the same problems we do, finding the best way to handle combined sewer flows, watershed protection and consistently delivering potable water to customers. It was an eye-opener to learn how similar our problems are. As we communicated in English or with translators, I recalled a keynote speaker at the ASCE Annual Conference a few years ago, who noted if he were starting out today, he'd spend three years living in China immediately after graduation to learn their language and customs, as they will be a major economic force in the future. I'm not promoting everybody learn Chinese, but I believe knowing a second language will be helpful to you during your engineering career.

Issue Quote

“There is no substitute for hard work.”

Thomas Edison (1847-1931)

President's Perspective

By William P. Henry, PE, F.ASCE, ASCE President



Happy New Year! I hope 2005 is rewarding for you personally and professionally. I appreciate the chance to share some thoughts with you in this column. I'll cover three

subjects. The first is an emerging issue, while the second two are topics I wish I had learned about earlier in my career.

I believe that civil engineering will be practiced on an international basis at levels never seen before. There are two strong reasons for this belief. The United Nations forecasts that 80% of money spent on infrastructure in the world will be spent in

I wish I had learned the importance of community service earlier in my career. I know many of you are active in community projects and that the Younger Member Forums are the community service leaders in ASCE. I thank you for all that effort. Rebuild America projects, Habitat for

Humanity homes, food banks, toy drives, park and recreation area upgrades and accessibility improvements are needed in just about every community. These community service projects certainly need the logical thinking and quantification skills civil engineers possess. It's important the public and other community leaders meet and appreciate civil engineers, so we can better gain their support in needed infrastructure areas.

I wish I'd also learned earlier that community service doesn't stop at important local projects. Community service also includes serving on appointed and elected boards, and in elected office. A good friend and college classmate of mine, who now serves on ASCE's Committee on Government Affairs, served on his city council for twelve years. He noted how much easier it was to get access and communicate with elected officials after having served as one. We certainly need to communicate with our elected officials on a regular basis. At the federal level, I think it's a shame there are only four engineers in Congress. Among its other duties, Congress sets the funding for planning, designing, constructing, operating and maintaining our infrastructure, and the laws governing the procurement of engineering services. They certainly could use more civil engineering input! At the state and local levels, the need to communicate with the legislators and executives is just as important. At these levels, though, access to the office holders is easier than at the federal level. I hope many of you will consider seeking and holding an office as part of your community service activities. In my mind, it is another important way that you, as a civil engineer, can protect public health, safety and welfare.

The Zonal Leadership Conferences will be held in the next few weeks. I look forward to meeting many of you there, and hope we have the chance to talk about your ideas, as well as mine.

Message from the CYM Chair



A-LO-HA!! It is an honor and privilege to serve the ASCE Younger Members as CYM Chair this year. As usual, CYM has a dedicated and hard-working group of members and corresponding members ready to work with each of you to increase the value of younger members in ASCE and civil engineering profession.

We hope those who attended the Younger Member Leadership Symposium (YMLS) in Baltimore found it rewarding. CYM thanks the **Maryland Section YMF** for their assistance with planning the YMLS. CYM also thanks **Parsons Brinckerhoff; Corman Construction, Inc; Gannett Fleming; National Capital Section and Whitney, Baily, Cox and Magnani, LLC** for their sponsorships of the YM program.

The Annual Conference program will be completely reformatted beginning with the 2005 conference in Los Angeles. CYM is excited about the opportunity to showcase a new YM program, in conjunction with the other conference programs. Additional information will be send later this year.

With the new ASCE Governance plan taking shape, CYM encourages younger members to seize this opportunity to express younger member concerns on how your Region is structured. Contact your Section and/or Branch President to discover opportunities to serve on Region Formation Teams, or for the more ambitious, as a Regional Governor. Additional information on Governance will be presented at the upcoming Zone YM Council meetings, so be sure to attend. For more information please contact your CYM Zone Representative.

It was great to see an increased amount of nominations for last year's national Younger Member Awards. However, we would like to encourage even more award nominations for 2005. **A deadline of February 1, 2005**

has been established for 2005 National YM Award nominations. CYM encourages Sections, Branches and YMGs to submit nominations for the Edmund Friedman Young Engineer Award for Professional Achievement, Young Government Civil Engineer Award, Collingwood Prize, Daniel W. Mead Prize for Younger Members and Younger Member Group Award. Additional information on these awards and the nomination forms may be found on the CYM website at <http://www.asce.org/inside/cym.cfm>.

Finally, as we begin this new year, why not make a resolution to help your community by volunteering for at least one community service project. As civil engineers, we make the world a better place to live, so why not take it a step further by volunteering to improve the community or assist people less fortunate. If you need ideas, this newsletter includes projects that other YMGs have undertaken. Don't forget to submit articles to Michael Shumsky, YM Newsletter Editor, so others can learn from your example.

Now sit back and enjoy the newsletter. Please don't hesitate to contact CYM, if we can be of any assistance to you. Our contact information is located on the last page of the newsletter.

Mahalo and Aloha,
Tony C.G. Lau, PE
Chair and Zone IV Representative
Committee on Younger Members

What Goes Up...

By Marie Maly, Nebraska Section YMG Chair, CYM Zone III Corresponding Member

On Saturday, November 20th, the Nebraska Section YM Group teamed with the Boy Scouts of America (BSA) Exploring program to hold a Design-Build Competition. This is the second year the Nebraska YM's assisted with the contest.

Boy Scouts Exploring is a career exploration program for students between 14 and 21 years of age. Open to boys and girls,

individual "Posts" (such as Engineering/Architecture/Construction, Journalism, or Medicine) meet on a regular basis throughout the school year, but the single-day Design-Build Competition was open to anyone meeting the age requirement, regardless of whether or not they were members of a Post. To encourage participation, flyers advertising the competition were distributed to high schools in Omaha and surrounding areas. **Scott Gilliland, Lindsay Madsen, Marie Maly, Peggy Meyers, and Al Nelson** of the Nebraska Section were joined by a BSA staff member to select an activity and plan the morning. After deciding upon an "egg launch" contest, this group handled everything from advertising, prizes, materials, and location to a short lesson introducing the topic.

The morning of the event, the planning group was joined by other ASCE volunteers, including Student Chapter members from the University of Nebraska–Lincoln and the University of Nebraska–Omaha. The competition was held at the Peter Kiewit Institute at the University of Nebraska–Omaha, and the morning began with a presentation from the University about different departments within the College of Engineering & Technology. The brief lesson on acceleration, energy and impact incorporated several video clips provided by the Midwest Roadside Safety Facility, including testing on temporary barriers, bridge rails, and the NASCAR SAFER barrier. Then, teams of two spent



approximately an hour with a variety of unusual supplies, building devices to protect their eggs through both a launch and crash landing. Testing revealed though the teams used a variety of materials and methods, they were quite successful in their mission. Eventually, scoring came down to aesthetics, creativity, and peer judging, since several eggs survived all three launches. Every

participant received a certificate and prize bag. The two teams with the highest peer judging scores won popcorn tins, and the overall winners received calculator/tool kits.

A reporter and photographer from the *Omaha World-Herald* were also at the event, asking questions and taking pictures. An article about the event appeared in the Sunday edition of the newspaper. The Nebraska Section is very fortunate to have active Student Chapters, whose members are always excited for the opportunity to assist at YM events. Their assistance was greatly appreciated, with special thanks to **Jason Hascall** from the University of Nebraska – Lincoln, who obtained the video clips used in the lesson. Younger Members and Student Members alike enjoyed the opportunity to talk to high school students about engineering and mentor the teams as they went through the process of designing and building.

Hokua at 1288 Ala Moana

By Florence Ching, PE, Secretary and Paulette Chang, PE, President, Hawaii Section YMF

On Saturday, August 28th, nine attendees awoke early to meet for the chance to tour the construction site for Hokua, a new 40-story high-rise luxury condominium situated upon almost four acres of property west of Waikiki that overlooks the Ala Moana Beach Park and Diamond Head crater. Hokua means the "majestic crest of powerful waves rising above the surrounding sea," and is scheduled for completion in December 2005. With workers already busy



at work and more scheduled to begin their shift, several members of Kobayashi's staff led attendees throughout the site describing construction methods such as the utilization of post-tensioned reinforcing system and a flying form system to place the decking for each floor. Attendees were also able to see the sweeping views of Ala Moana Beach

Park and the Pacific Ocean that future homeowners will be able to view outside their windows.

Hemlock Gorge Footbridge Project

By Kevin Raftery, PE, MWH

The Department of Conservation and Recreation (DCR) and Boston Society of Civil Engineers Society (BSCES) Younger Member Group have been working together to replace the Hemlock Gorge Footbridge in Newton, Massachusetts. Last year, YMG members **Jonathan Hren** and **Sarbjeet Singh** designed the steel beam-timber deck footbridge spanning the 35-foot Hemlock Gorge on the Charles River.

Bill Moulton (DCR), **Kevin Hollenbeck** (DCR), **Rich Madsen** (MassHighway Department), **Matt Herberger** (Camp Dresser McKee), and **Diane O'Connor** (Guertin Elkerton & Associates Inc)

removed the old bridge and set the concrete footings for the new span during two weekends in early October. A block and



tackle system was erected in the trees to pull the old timber bridge off of its foundation using a grip-hoist and set

aside to make room for the new bridge. The banks were manually excavated to form the footings and then the concrete was poured and cured for two weeks.

Late in October, **Kevin Raftery** (MWH – BSCES YMG) assisted Bill, Kevin, Rich and Matt in setting the steel beams and timber sleepers. Again the block and tackle system was used to set the I-beams, each weighing nearly 1,400 pounds (Voight & Schweitzer) Taunton Galvanizing LLC donated the galvanizing of these beams). The old bridge was utilized during the construction but demolished once the beams were in place. In early November, employees of DCR and Matt constructed the timber decking and graded around the footings creating a natural ramp to the bridge.

During the weekend days of construction, various groups of hikers were quite appreciative of the rehabilitation. Ironically one of the area residents who assisted with construction of the original footbridge came for a visit and she recounted how the timber beams were floated to the location of the bridge. They have the designers Jon and Sarbjeet; the builders Rich, Kevin, Matt, Kevin and Diane; and the backbone of the operation Bill, to thank for their efforts.

Christmas Celebration at McConvilles

By Anh Ly, PE, CYM Zone IV Corresponding Member

On December 18th, LA & OC YMF met at Ted and Ruth McConvilles' home, in Balboa Island, to celebrate the holidays with their



Anh Ly, Ana Licon and
Katherine Shinkai

5th Annual Christmas Boat Parade and Toys for Tots Drive. Ted is an ASCE Life Member and an active member of the LA Section/Orange County Branch.

Everyone contributed to this worthy cause by bringing a toy or donating money. As the parade started, everyone gathered in the patio to watch the beautifully decorated boats while enjoying the variety of food contributed by the younger members. There was a plethora of food, ranging from a 17lb turkey to various types salad to, and of course, a variety of wines. After the boat parade some people gathered around the fireplace to discuss their holiday plans, while others discussed their procrastination with Christmas shopping. By night's end, everyone was full and happy to share a few hours with each other during the holiday season.

Thank you to all OC & LA Younger Members for attending and contributing to this great event. Thanks to **Tony Lau**, CYM Chair, for attending our holiday celebration and contributing to the Toys for Tots Drive. Special thanks to **Tom Burke** for organizing

the entire event and bringing the toys to the fire station.

Special, special thanks to **Ted and Ruth McConville** for their generous hospitality. We look forward to doing it again next year.

Colorado YMG Tours NORAD

By Todd Mayen, Colorado Section YMG Activities Chair

The North American Aerospace Defense (NORAD) Command is located in the middle of Cheyenne Mountain, west of Colorado Springs. In 1958, Canada and the United States came together to form NORAD, whose mission was to deter, detect and defend North America. Since then, Canadians and Americans have been



partners in protecting the airspace of Alaska, Canada and the contiguous 48 United States.

In January, April and July 2004 the Denver based ASCE YMG established three tours with NORAD to accommodate demand. Planning for these tours had to take place months in advance, so background checks could be performed on participants. On the day of each tour, everyone went through security screening before boarding a bus that took us into the mountain. Once inside, a guide walked us through two main parts of the facility, the central control room and all their underground facilities used to maintain the basic necessities for the operations crew. We learned the current mission of NORAD, how it has varied over the years and how things have change since the (9/11/01) terrorist attacks.

NORAD's facilities include full accommodations for the operations crew. Reservoirs inside the mountain are filled with natural spring water for drinking, as well as a way to cool machinery. There is a supply of food and an air purifying system to ensure the survival of the crew in case of a

nuclear attack. All buildings in the mountain are situated on large springs to minimize movement and absorb shock if a nuclear blast were to occur. One unique aspect of the NORAD facility is the entrance into the facility. The curved tunnel leading to the entrance makes it difficult for attacks to damage the buildings. The entrance doors into the facility are made of steel and are over a foot thick. If a threat occurs, the door can be secured within seconds.

Over the years, NORAD's mission has evolved. Initially, NORAD was focused on aerospace threats coming towards Canada and the United States from outside their borders. Now, with the end of the Cold War and events of September 11th, the crew at NORAD use ground based and airborne radar, and satellites to monitor, validate and warn of attack as well.



The men and women of the armed forces of Canada and the United States, who are serving to maintain the freedom we enjoy in North America, operate NORAD.

Erin Fletcher in the Spotlight



Erin Fletcher is the Project Engineering and Construction Coordinator for the Seattle Monorail Project. The Seattle Monorail Project is an independent city transportation authority

charged with building, owning, operating, and maintaining the 14-mile monorail system within the city of Seattle. Erin's responsibilities include managing many of the technical issues associated with the Green Line alignment, particularly as it relates to the "Design, Build, Operate and Maintain" (DBOM) procurement. She also coordinated the preliminary geotechnical exploration program for the line. Erin leads a team of engineering and architectural consultants, and other local

agencies to resolve technical issues associated with a proposed 6,000-foot long, 400-foot main span monorail-only bridge.

Prior to this, Erin was responsible for developing technical information, as well as coordinating bridge inspections for the Tacoma Narrows Bridge Project. This \$615M public-private partnership project is the first major transportation design-build project in the State of Washington and is currently under construction.

Erin was honored to participate in the International Transit Studies Program sponsored by the Transportation Research Board (TRB) in December 2003. TRB selected twelve transit professionals from across the country to participate in the mission with the goal of enhancing professional development, and returning with ideas for possible application in American transportation systems. The transit mission in which Erin participated studied aspects of transit design, construction and operations in Athens, Naples, Rome and Milan. Upon her return, Erin used the knowledge she gained in Greece and Italy to write a report which focused on Strategic Transportation Planning. This will be incorporated into a Research Results Digest to be released by TRB this summer.

Erin is an alumna of Stanford University, earning BSCE in May 2001. She is currently pursuing a master's degree in Structural Engineering at the University of Washington.

2004 YMLS a Success



The 6th Annual Younger Member Leadership Symposium was held from October 21st to October 23rd in

Baltimore, MD, in conjunction with the 2004 ASCE Annual Conference. There were approximately 95 delegates in attendance

representing 45 different Younger Member Groups and Student Chapters across the nation. Special thanks to “**Chuck Pennoni**”, 1992 ASCE National President for assisting CYM with identifying speakers for this Leadership Symposium.

This years delegates listened to topics regarding the importance of everyone’s involvement in Professional Development, the role of the engineer within our profession and how we are perceived by other professions, and a popular favorite, how to succeed and excel in a multi-discipline team atmosphere. Speakers emphasized the importance of personal responsibility and provided career advice to younger members about how to succeed in market driven versus traditional functional organizations.

Another favorite was the YM Group reports and roundtable discussions. Each YM Group highlighted their 2004 activities. Other YM activities for the weekend included the Annual MEAD sessions, which included discussions on the role of the engineer in politics.

We hope to see some familiar and new faces at the 2005 YMLS in Los Angeles, California. As you may know, the Annual Conference format is changing, as well as the YMLS. We also reviewed attendee comments on the 2004 YMLS and will try to incorporate your suggestions for the LA program. CYM will be communicating more of these changes in the future, so stay tuned!

Encouraging Employer Support for ASCE

Your employer relies on your knowledge, skills and expertise to serve clients and ensure the quality of its engineering projects. It is in your employer’s best interest to ensure you have access to the information, education and resources you need to do your job well.

ASCE has made a brochure available to you that will provide you with the necessary

information to convince your employer they should be supporting your membership in ASCE. This literature will show how organizations benefit by encouraging engineers to become ASCE members, participate in association activities, take advantage of ASCE’s continuing education programs and access ASCE’s technical resources. The value of membership in ASCE contributes directly to the growth of the organization you serve and this resource proves why the more you learn, the more you can be a factor in the success of your organization.

Please contact Susan Blodgett, Director of ASCE Membership at 1-800-548-2723 (Ext. 6008) for more information or to receive a brochure.

YM’s Connect with Kids in Baltimore

On October 23rd, while civil engineers from across the country were attending sessions at the ASCE Annual Conference, ASCE Younger Members were down the street at the Port Discovery Museum volunteering to work with children at an event hosted by ASCE National and K’NEX. The children were challenged to build a tower with a



rotating platform. The energy and enthusiasm the children showed rubbed off on the Younger Members and it was hard to tell where the kids ended and engineers began. The kids were able to work with engineers and

witness firsthand the ingenuity and creativity it takes to be successful in the profession. If you did not have a chance to participate at this worthwhile event, ASCE will be hosting an event during National Engineers Week, February 20-26, 2005 at the Port Discovery Museum. For more information or to volunteer, please contact Theresa Lind,

tlind@asce.org. Come volunteer and help mold the future of engineering!

First LA YMF Golf Tournament – Fore!

By Kathereen Shinkai, OC YMF Vice President

On August 6th, ASCE YMF hosted the first Golf Tournament at El Dorado Golf Course in Long Beach, California. YMF members and student volunteers worked hard to make this event successful. Several engineering companies participated and helped sponsor this event. Participants received ASCE golf balls, tees, towels, and other golf essentials.

At each hole, signs for the company sponsors were displayed and pictures were taken for each of the groups. All teams enjoyed a wonderful afternoon out on the golf course. Special events such as the "Putting Contest," "Longest Drive," and "Closest to the Pin" added to the excitement of the golf tournament. Many players used mulligans throughout the tournament to take another chance at improving their team scores to compete with the natural golfers. The tournament ended with an outdoor banquet and awards and prizes for the winning teams and raffle winners.

This golf tournament was very successful and raised \$3,000 in profits for YMF



activities throughout the year and student scholarships for the local universities. YMF would like to thank the volunteers who helped make this event possible and the sponsors for their generous contributions. We hope everyone enjoyed their time, and hope to see everyone again next year!

Younger Engineers Respond to "Wiser" Engineers' Outreach

By Cathy Bazan-Arias, PH.D., E.I.T.
Reprinted from *CivilConnection*, published by ZweigWhite. Copyright December 2004.

Last Thursday morning, as I arrived at the ASCE Pittsburgh Section Board of Directors meeting, I was pleasantly surprised to see that nine students had beaten me to the early-bird croissants, juice, and coffee.

In recent months, because of the outreach efforts of several of our officers, directors, and members, our Section meetings have included many students. This is something I do not see with most professional boards. The students in attendance last week came to see how our meetings are held, how they could better network with other students and professionals, and how they could apply for some technical and financial assistance for their corresponding steel and concrete canoe competition teams. They also came armed with questions, observations, and suggestions for future interaction with the Section. Their attendance and interest was the result of an investment I think most professionals do not recognize because the "yield" is not immediately obvious.

Many engineers contribute to student outreach through various kinds of monetary donations. However, another way that professionals can contribute is by donating their time and effort through presentations, mentoring activities, and/or by becoming Practitioner Advisors or liaisons to local colleges and universities. These "time-investments" yield returns further down the road and therefore, most engineers do not immediately see that some of the students do respond.

Getting students involved is not always easy: it requires time and energy; the ability to communicate effectively with the "younger" generation; and, an almost "magic touch" to get the students engaged in professional activities. The returns typically are not readily visible, but as I saw at last week's meeting, there are returns.

I think that the students who are exposed to at least one professional meeting, seminar, or similar activity, and make a connection with professionals, will return for more interaction until -- before they know it -- they are active, professional members of societies and organizations. Many of my colleagues agree that this is how we were entwined into technical groups. The first "engagement" is the key -- and the challenge -- and the "personal touch" likely makes the difference.

One of the Faculty Advisors at the board meeting made the following comment: "I'm glad that the students are here to see that professionals care about them. Many need to see and hear these words from you."

As the years go by, most of us in the "real world" tend to go through cycles of involvement with our technical groups and outreach programs. Sometimes, it is easier to donate funds. But it is important that we remember that every year, there is a brand new group of future colleagues that could benefit from "time-investments" and that need to see and hear industry professionals tell them about "the real world" and the technical organizations in it.

Youth and Millennium Development Goals

This report was inspired by a meeting in April 2004 with Professor Jeffrey Sachs at the United Nations Commission on Sustainable Development (UN CSD) focusing on the Millennium Development Goals (MDGs). At the meeting, the chair of the UN CSD Youth Caucus asked him how the Millennium Project was going to involve young people as partners. He replied, "You tell us."

As a result of this invitation, an international team of youth experts from various non-governmental organizations worked together to formulate this report. It is the result of hours of research, input based on the experience and expertise of task force members, consultation with other organizations and a three-week online

consultation with over 350 youth from around the world.

A copy of the report may be found at www.mdgyouthpaper.org

"Whoop! Push 'em Up!"

On Saturday, (12/4) at the Carr P. Collins Social Service Center, sixteen volunteers from ASCE-Dallas Branch were set to serve lunch for the local Salvation Army Soup Kitchen. Our task was to assist the kitchen with preparing, setting up, cleaning the lunchroom and serving the center residents. The Salvation Army center helps those in need of recovery from substance abuse, homelessness and domestic violence. Those recovering can reside at the center on the condition of staying "clean", actively looking for jobs and participating in the center's programs.

The volunteers set the silverware and cups, while waiting patiently for the waves of people. Dozens of people started to trickle in to have a meal and the volunteers rushed to carry trays of food, provide condiments and bus tables. Soon smiles and thanks ensued and then the room erupted with a yell "Whoop! Push em' Up!" Puzzled, the volunteers asked what that meant. A resident smiled and said, "It's our way of thanking you."

That day members from ASCE Dallas Branch had served food to over 150 men, women and children of various backgrounds seeking a new start in life. The Dallas Branch Younger Members were happy to participate in the recovery programs established through the Salvation Army organization and lend a hand to the community. "We hope to maintain our partnership with the Carr P. Collins Social Service Center and return to offer continuing support to this worthwhile local charity."

In the coming year, the Dallas Branch YM's have planned other community service projects, professional development seminars, socials and youth outreach

programs. For further information, please refer to the Dallas Branch website: www.dallasasce.org.

Iraq Technical Book Drive

By Ana Licon, OC YMF Treasurer and Sam Ali, OC Branch

Last April Sam Ali, Senior Project Engineer at Psomas, took a trip to Iraq. He visited the University of Kufa and gave a presentation to the students and faculty at the Department of Civil Engineering. Many of the bookstores and libraries were looted during the war and the University was in desperate need for engineering books, journals and magazines. Through the ASCE campaign we were able to collect 20 boxes full of books and magazines and send them to the University of Kufa. Thanks to the ASCE Orange County Branch YMF, Psomas, and all those who participated in the book donation drive this past October. We are sure the students were delighted to receive them.

Over \$3,400 raised for MDA

By Jeff Kalani, PE, 2004 Hawaii Section YMF Past President

ASCE Hawaii Section volunteers from the Younger Member Forum (YMF) gave up part of their three-day Labor Day weekend this past year to help raise money for the Muscular Dystrophy Association (MDA). This is the 4th straight year Hawaii Section YMF members have participated in the MDA Hawaii Chapter's "Catch-a-Cure" drive. Volunteers stood at a busy intersection in Honolulu with fishnets and signs, collecting ("catching") loose change



from motorists and pedestrians passing through. The drive was held in conjunction with the annual Jerry Lewis MDA Labor Day

Telethon. The YMF volunteers were teamed with other groups, who together raised over \$3,400 in just four hours by waving signs and encouraging motorists to deposit donations into their fishnets. Money raised

during the Catch-a-Cure drives helps provide services for Hawaii patients who suffer from muscular dystrophy and other neuromuscular diseases.

CYM Representatives Needed

Nominations are now being accepted for selection of a Zone I member and an At-Large member for the Committee on Younger Members (CYM). This committee is charged with providing for the full professional development of engineers 35 years of age and younger and increasing their participation in all levels of the Society by: identifying issues of interest to young engineers; facilitating the development of responses to such issues; developing, implementing and reviewing programs which focus on the resolution of these issues, and fostering interaction with Sections, Branches, YM Councils and Student Chapters.

The terms of these positions will extend from October 1, 2005 to September 30, 2009. Please consider nominating a member of your Section or Branch. A CYM nomination form may be obtained at [ftp://gsd.asce.org](http://gsd.asce.org) in the Younger Member folder.

Please send the completed nomination before March 1, 2005, to Nancy Berson at ASCE, 1801 Alexander Bell Drive, Reston, VA 20191, by fax to (703) 295-6141 or e-mail to nberson@asce.org.

This is an excellent opportunity to become involved in ASCE on a National Committee. For additional information on the Zone I and At-Large Representative responsibilities, please contact Christopher Garlick and Michael Shumsky respectively. Their contact information is located on the last page of this newsletter.

Did you know?

The longest distance between controlled access exits in the United States is 51.1 miles from Florida Turnpike exit 193 (Yeehaw Junction, FL) to exit 244 (Kissimee, FL). The worst exit to miss on any interstate highway is 37.7 miles for I-80 exit 41 (Knolls, UT) to exit 4 (Bonneville Speedway, UT).

Lehigh Valley YMF 2004 Year in Review

By Gregory Kuklinski, EIT, Alfred Benesch & Company, CYM Zone I Corresponding Member

Greetings from the Lehigh Valley Younger Member Group (YMG) in Pennsylvania, which consists of Allentown, Bethlehem and Easton. The Lehigh Valley YMG is located one hour north of Philadelphia and 1.5 hours West of New York City. The past year was a very busy, exciting and prosperous one.

The Lehigh Valley YMF is very happy to be co-hosting the NERYMC meeting with the Central PA Section in Hershey, PA from January 28-30, 2005. Over 50 delegates have already registered and the numbers are expected to increase.

Our busy winter began in January where we started off the year with a Panel Discussion at Lehigh University. The panel discussion consisted of 5 local civil engineers who were asked very difficult questions by the students with all different questions about the Civil Engineering field and life after college.

In February, the YMF Board went to its first High School Career Fair at Northampton High School. It was a great experience telling the students about civil engineering. One person came up to us and said he always wanted to be the person that designed roads and bridges, but never knew that civil engineering was the name of the profession until he saw us. So, we felt successful for hopefully adding someone into our profession.

In April of last year, we hosted a bridge tour in Easton led by Dr. Ben Yen of Lehigh University. The tour was in conjunction with



the students of Lehigh and the YMF. This was the second phase of the tour. We will be back in Bethlehem, PA touring different

bridges that we missed last year. This event was well attended with 10 students and Younger Members.

In June, the YMF had our annual Reading Phillies Baseball Game. With over 30 in attendance, this event gets more popular each time.

Each year, we try and do some more inter-Section social activities. This year we had two such activities. In February, we joined the Central PA, Pittsburgh, Philadelphia and Delaware Sections for a Hershey Bears Minor League Hockey Game. It was well attended with over 40 in attendance.

Due to popular demand, the LV Section sponsored the 2nd tour of the Yuengling



Brewery in Pottsville, PA. Despite Hurricane Ivan, there were still 20 younger members and students in

attendance. The tour was in conjunction with the Philadelphia Section, Central NJ Branch and Lehigh University Students.



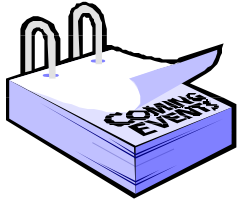
Lastly, the YMF volunteered their time with the NETWork of Young Professionals of the Lehigh Valley to answer phones for

the local PBS's telethon, which was held December '04. Everyone had a really good

time with free food provided by the Olive Garden.

As always, the Lehigh Valley Section is grateful to CYM for their continued involvement as a liaison between ASCE

National and younger members. It was nice meeting some of you at the YMLS in Baltimore this past October. I look forward to seeing some of you again during NERYMC.



CYM Calendar

January 21-23, 2005
January 28-30, 2005
February 18-20, 2005
February 25-27, 2005

February 1, 2005

March 1, 2005

March 21, 2005

April 1-2, 2005

August 1, 2005

Younger Member Council Meetings
Zone II YMC in Orlando, FL
NERYMC in Hershey, PA
WRYMC in Phoenix, AZ
Zone III YMC in St. Louis, MO

YM Award Deadlines
Young Government Civil Engineer
Daniel W. Mead Prize for Younger Members
Edmund Friedman Young Engineer
Collingwood Prize
Younger Member Group Award

Nominations for CYM Zone I and At-Large
Representatives due at ASCE Headquarters.

YM Newsletter (Issue 54) submittal deadline

CYM Spring Meeting, Lake Tahoe, NV

Younger Member Employer Recognition nominations
due.

2004 Employer Recognition Award Recipients

Younger Member enthusiasm, meaningful involvement and growth are the keys to ASCE's future. As a means of fostering individual Younger Member participation in Society activities, the Committee on Younger Members (CYM) developed a program to recognize employers who encourage their young engineers to get involved. Special recognition were given to organizations that exhibit exemplary support evidenced by efforts such as:

- Providing a model for involvement through company-wide participation in local, regional and national ASCE activities,
- Encouraging and supporting young engineers to attend ASCE meetings and seminars,
- Encouraging young engineers to prepare articles for publication in ASCE professional and technical journals; and,
- Assisting in the payment of local and national dues.

For 2004, **Lamp Rynearson and Associates** of Omaha, Nebraska is the first-ever recipient of the Superior Employer Recognition Award for their unparalleled encouragement and support of Younger Member involvement in ASCE activities and professional development of young engineers in their company. For more information on the Employer Recognition program, please visit the CYM webpage at www.asce.org/inside/cym.cfm

In addition, the following companies and government agencies are also recognized for their exemplary support of Younger Member Activities:

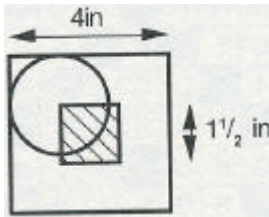
Employer	Office Location
Brown & Gay Engineers	Houston, TX
GC Wallace, Inc.	Las Vegas, NV
Dibble & Associates Consulting Engineers	Phoenix, AZ
Entranco	Bellevue, WA
Stanley D. Lindsey and Associates, LTD	Nashville, TN
Urban Engineers, Inc	Philadelphia, PA
MMLA, Inc.	Tucson, AZ
Parsons Transportation Group	Irvine, CA
RBF Consulting	Sacramento, CA
Infrastructure Engineering Corporation	Poway, CA
Pakpour Consulting Group, Inc.	Pleasanton, CA
City of Charlotte, Engineering and Property Mgmt.	Charlotte, NC
Geotechnical & Environmental Consultants, Inc.	Orlando, FL
Strand Associates	Louisville, KY
Schoor DePalma, Inc.	Manalapan, NJ
KPFF Consulting Engineers	Seattle, WA
Ralph Whitehead & Associates	Charlotte, NC
DMJM+Harris, Inc.	New York, NY
Harris & Assocaites	Irvine, CA
Winzler & Kelly Consulting Engineers	Eureka, CA
Michael Baker, Jr., Inc.	Charleston, WV
CMJ Engineering, Inc.	Fort Worth, TX
Charlotte DOT	Charlotte, NC
City of Los Angeles	Los Angeles, CA

Problem Corner

This section was added to encourage Younger Member participation and fuel the competitive nature of most young engineers.

Send your solutions to Michael Shumsky, Editor at barkeater1@earthlink.net. Please be sure to include your respective Section and/or Branch, since individuals with the correct responses will be recognized in Issue 54 of the YM Newsletter. Good Luck! Bragging rights are at stake!

Issue 52 Answer



For the coin to fall within the square, its center must fall within the shaded area; if it falls outside, it will touch a line. Therefore:

Successful = $1.5 \times 1.5 = 2.25$
Unsuccessful = $16 - 2.25 = 13.75$
Percentage = **14.06%**

Congratulations to the following Younger Members who provided the correct answer:

- 1.) Jinchu Lu, Student Member, San Diego Section
- 2.) Barkley Robinson, PE, Steamboat Springs, CO
- 3.) Apostolos Kozompolis, PE, San Francisco Section
- 4.) Matthew Van Liew, Student Member, Stevens Institute of Technology, North Jersey Branch
- 5.) Adam Rodriguez, Student Member, Texas A&M University
- 6.) Issac Wong, EIT, Metro Los Angeles Branch, Los Angeles Section
- 7.) Kenneth McCain, PE, Houston Branch, Texas Section
- 8.) Andrian Engel, Sacramento Section
- 9.) Matthew Elliot, Student Member, Seattle Section
- 10.) James Woods, Illinois Section
- 11.) Mahmoud Mesbah, Student Member, Iran University of Science and Technology
- 12.) Dustin Hannah, EIT, Houston Branch, Texas Section
- 13.) Anthony Pozzuto, EIT, Cleveland Section

Now for this issue's problem:

The hot tap fills a bath in 4 minutes. The cold tap fills a bath in 5 minutes. If you pull out the plug, the bath empties in 10 minutes. If both taps are turned on and the plug is pulled, how long will it take to fill the bath?

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