

ASCE, PHILA. SECTION MEETING SCHEDULE 2011-12

The Section Meeting program for the upcoming season is set, and the dates shown below are the Section meetings remaining for this season, after February. We would suggest that you use this to mark your calendar at this time and hold the dates. In coming issues of *THE NEWS*, we will provide updates as information becomes available. We also suggest you visit the Section website for the latest changes in our meeting program.

Dinner meetings generally follow a schedule of a cocktail hour starting at 5:30 PM, dinner at 6:30, and the meeting presentation following at approximately 7:30, unless otherwise noted. We also intend to follow our second-Thursday pattern for the meetings noted below. As always, you are welcome to attend the meeting presentation without dinner at no cost if you prefer to do so.

The remaining dates are **March 8** and **April 12**.

Also, please watch this space for more information on the 2012 Spring Social as it is finalized.

100TH ANNIVERSARY EVENTS — LOGO CONTEST!

As we look forward to our 100th Anniversary next season, we are proud to announce a contest to develop and select our special commemorative logo. This logo will be prominently displayed at all Section events and correspondence during our 100th year.

RULES: This contest is open to anyone with graphical talent. The logo must be based on a theme of your choice.

DEADLINES: The deadline for submission is **January 31, 2012**.

SELECTION: The logos and themes will be posted to the ASCE Philadelphia website for voting by members during February 2012. The results of the voting will be provided to the Board for final approval.

PRIZE: The winning member or company will receive two (2) complimentary tickets to all Section-hosted events during the 100th Anniversary season (2012-13).

For more information, or to submit an entry, please contact **Jeremy Colello** (jcolello@pennoni.com).

JANUARY JOINT DINNER MEETING

American Society of Civil Engineers, Philadelphia Section
Delaware Valley Section, American Society of Highway Engineers

WEDNESDAY, JANUARY 18, 2012

Radisson Hotel, Valley Forge, 1st Avenue and Gulph Road, Valley Forge, PA

Cocktails 6:00 PM, Dinner 7:00 PM, Meeting Presentation 8:00 PM

Cost \$35 before January 13 (\$20 for government employees and students),
\$45 January 14 and after and at the door.

SUBJECT: New Jersey Turnpike Interchange 6 to 9 Widening Program

SPEAKER: John Keller, P.E., PMP, Program Manager, New Jersey Turnpike Authority

RESERVATIONS MUST BE MADE THROUGH DELAWARE VALLEY SECTION, ASHE.

The Philadelphia Section will NOT be accepting any reservations for this meeting. Payment for reservations must be received at ASHE by the January 13 deadline. Those who reserve past this date and walk-ins will be charged the higher rate. Reservations will be accepted starting December 27.

Walk-ins will be subject to acceptance on a space-available basis. **THERE IS NO GUARANTEE THAT SPACE WILL BE AVAILABLE IF YOU DO NOT RESERVE A SPACE.**

Checks for reservations should be sent to Delaware Valley Section ASHE, 1500 Walnut Street, Suite 1105, Philadelphia 19102. Checks should be made to "Delaware Valley Section ASHE".

The New Jersey Turnpike provided 118 miles of modern limited access highway when it opened in November 1951, extending from the Delaware Memorial Bridge to Route 46 and a connection with the George Washington Bridge. Traffic growth on the Turnpike has been explosive with ongoing development as well as its critical location in the Northeast Corridor.

The Turnpike was widened north of Exit 9 (New Brunswick) in the 1960's and 1970's to provide inner and outer lanes which separate car and truck/bus traffic in a 12-lane cross section. Between Exit 8A (Jamesburg) and Exit 9, two 2-lane outer lane segments were added in the late 1980's. The current program will construct a full 12-lane cross section from just south of Exit 6 (Pennsylvania Turnpike) through to Exit 9, a total length of 35 miles. This will consist of 25 miles of new 3-lane outer sections from Exit 6 to Exit 8A and 10 miles of an additional lane in the current 2-lane outer sections from Exit 8A to Exit 9.

The total cost of the program is estimated at \$2.7 billion. It will add 170 lane-miles and include over 100 new structures. This widening is necessary as the traffic volumes on this portion of the

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Resolve to attend ALL Section Meetings This Year!

FEBRUARY JOINT DINNER MEETING

American Society of Civil Engineers, Philadelphia Section
American Society of Civil Engineers, New Jersey Section, South Jersey Branch

THURSDAY, FEBRUARY 16, 2012

Crowne Plaza Hotel Philadelphia-Cherry Hill

2349 W. Marlton Pike (at Cuthbert Blvd.), Cherry Hill, NJ.

Cocktails 5:30 PM • Dinner 6:30 PM • Meeting Presentation Follows

The topic, speaker and additional information will be provided
in the February edition of *THE NEWS*.



PRESIDENT'S MESSAGE

Spoiler alert. This article has absolutely nothing to do with Civil Engineering or the Section, although my brother Bill Malarkey (a past President of the Section) is involved. By the time you read this, the holidays might be but a memory.

I just wanted to share a little about my family, especially the littlest people. I'm a great aunt. I like to think I'm a great aunt, too. I have three great nephews and one great niece. Sean and Ryan live in Springfield, PA, and Will and Emily (this is where Bill comes in) live near Cincinnati. I like to give "quiet" presents like books and games, unlike my sister and sister-in-law, who think it's a laugh-riot to give nieces and nephews drum sets. I'm sending books to Will and Emily. For Sean and Ryan, I've bought those little head-mounted flashlights from Eastern Mountain Sports. They can use them for all sorts of activities, like stalking jackalopes in the park behind their home, or catching Santa eating his cookies. One of the reasons the Springfield boys aren't getting books this year is that, when I gave Ryan a book for this third birthday last June, he whipped the book out of the wrapping, let it fall to the floor, and declared, "Books?. I hate books!. He liked his Boba Fett helmet and bicycle much better. Ryan is a man of action.

As for some of the grownups in my family, my husband and I will be spending Christmas Day with his mom. She turns 97 on New Year's Day. She still has more faculties than I. My sister Pat is coming up from DC. She's studying to become a Unitarian minister. I'm very proud of her. We are hoping to see other family members as their holiday and travel schedules permit.

I hope you have (had?) a warm and wonderful holiday season, and that 2012 will be your best year ever!

Sincerely,
Ann M. Tomalavage, P.E., PMP, LEED AP
President, ASCE, Philadelphia Section

JANUARY DINNER MEETING

Continued from Page 1

Turnpike are anticipated to increase by 68% northbound and 92% southbound by 2032. Construction is underway and expected to be complete in 2014.

John Keller is the Supervising Engineer for the NJ Turnpike Authority and serves as the Program Engineer for the Turnpike's Interchange 6 to 9 Widening Program. His responsibilities include management of all Engineering, construction oversight, legal agreements, right-of-way acquisitions, utility relocations, permitting and public outreach for the Program. He has directed other significant Turnpike efforts, including the \$300 million Interchange 15X Program, consisting of the Secaucus Interchange, Seaview Drive Extension and New County Road projects, and the Potter's Field Disinterment project, the single largest disinterment contract ever performed in the United States.

Mr. Keller received a Bachelors degree in Engineering from the Indiana Institute of Technology in Fort Wayne, Indiana in 1987, and is a Certified Project Management Professional in the Project Management Institute. He joined the Turnpike Authority in 1998 after experience at three consulting firms.

For directions to the Radisson Hotel, please visit <http://www.radisson.com/destinations/property.do?hotelCode=PAVALLEY&directi ons=true>.

OOPS

After a fairly good run, we were alerted to a handful of "trip-ups" in the December News, and we would like to make amends in our ongoing pursuit of close-to-perfection. Obviously, your Editor had a couple of brain cramps and we would like to set the record straight. (Or maybe the recent success of his new-found fantasy football team went to his head...?)

ANYHOW...

On page 3, the article on the Section Scholarship inadvertently included the essay questions from last year's competition. This has been corrected in the Scholarship piece in this edition.

If you were tripped up finding the continuation of the November Dinner Meeting report on page 5, it was continued from page 3, not page 1 as noted.

We unfortunately misspelled Section Director Marc Preim's first name in the sponsors thank you article on page 6. We also referenced the wrong subgroup of ITE in our announcement on Vice President Jenn Walsh's installation as Vice President of the group's Mid-Colonial District (MASITE, referred to in the title, is a Section in the District).

We hope this clears up any confusion and we'll once again try to be more diligent in the future. Rest assured that your Editor will be receiving commensurate "docks" in his paycheck and will be warned of possible extended "time outs" in the corner of his office if this type of performance continues.

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**COPY DEADLINE FOR
FEBRUARY 2012 ISSUE
JANUARY 20, 2012**

ENGINEERS WEEK – COMING SOON!

The Delaware Valley Engineers Week Committee will be celebrating **Engineers Week 2012** from **February 17 through February 25** and will continue its schedule of three events which will highlight the various contributions of Engineers and Engineering students in the Delaware Valley. Please note this information in your calendar and plan to participate.

AWARDS AND PROCLAMATION LUNCHEON FRIDAY, FEBRUARY 17

DoubleTree Hotel, Center City

The Awards and Proclamation Luncheon includes:

- A poster session with presentation of student paper winners from 11:00 AM to 12 noon prior to the Luncheon
- Engineers Week Awards and Scholarships will be presented
- Engineers Week proclamations will be displayed
- Project and individual awards of all participating Engineering societies in the Delaware Valley will be recognized
- The Engineer of the Year and Young Engineer of the Year will make brief remarks

YOUNG ENGINEER SOCIAL EVENT TUESDAY, FEBRUARY 21

This event will be a happy-hour type event at a location geared to younger Engineers. The Young Engineer of the Year will make brief remarks.

CELEBRATION OF ENGINEERING RECEPTION THURSDAY, FEBRUARY 23

Pyramid Club, Center City

The culminating event of Engineers Week will be a social/networking gala event to celebrate Engineering, with cocktails, appetizer stations, and dessert stations. Other features of the event include:

- Award recipients will be honored with posters, exhibits, and running PowerPoint presentations in the networking area
- Future City Competition Regional winners will display their first place model
- The Engineer of the Year and Young Engineer of the year will provide brief remarks, followed by a brief recognition of the Hall of Fame, Outstanding Service, and Engineering Achievement award recipients

More information will be provided on price, location, and other details in the coming months. Please visit www.dvewc.org for up-to-date announcements.

As always, **volunteers are needed!** If you are interested in volunteering for one of the many activities of Engineers Week, please visit www.dvewc.org.

**THE ONLY LIMIT TO OUR
REALIZATION OF TOMORROW
WILL BE OUR DOUBTS OF TODAY.**

– Franklin Delano Roosevelt

SCHOLARSHIP PROGRAM OPEN FOR APPLICATIONS

The Section's Scholarship Program remains open for applications for the 2011-12 season, but the submission deadline is fast approaching. It will follow the same format as it did last season, when it changed slightly from previous years as far as schedule of submissions and awards.

The Section offers three distinct undergraduate scholarships annually:

- ASCE Delaware Valley Engineers Week Scholarship
- ASCE Student Scholarship
- ASCE Section Member Scholarship

Scholarship winners will be recognized as the Section's guests at our March 2012 dinner meeting.

ENGINEERS WEEK SCHOLARSHIP

The deadline for this scholarship's applications has passed for this year.

STUDENT SCHOLARSHIP

At least one \$1,000 scholarship will be awarded by the Section to an undergraduate Civil Engineering student who meets the following requirements.

- The applicant must be matriculating in a full-time Civil Engineering or Architectural Engineering program at one of the five colleges which have Student Chapters in the Philadelphia Section: Drexel University, Swarthmore College, Temple University, Villanova University, or Widener University.
- The applicant must be an active participant in the ASCE Student Chapter.
- The applicant must be in their sophomore or junior year (and Pre-Juniors at Drexel).

Application Requirements:

- The applicant's name, GPA and/or class rank, and an address/telephone number where they can be reached must be included with the scholarship application. Additional information for consideration (such as need) is allowed. A letter and/or resume is an acceptable means to provide this information.
- A recommendation letter from the applicant's faculty advisor is not required but is strongly suggested.
- The applicant will be required to submit an essay, limited to 1,000 words, on ONE of the following topics:
 - (1) As a future Civil Engineer, what contributions do you hope to make to society. How will you work within the guidelines of the ASCE Code of Ethics to ensure that your contributions are positive and lasting.
 - (2) As Civil Engineers, we are trusted to balance the competing goals of historical preservation and designing safe, modern, sustainable structures. Which of these is more relevant in modern society. Why?

Submittal Deadline:

- Applications (including recommendations) must be submitted by **January 31, 2012.**

- Scholarship winners will be notified by February 27, 2012.
- Applications and recommendations should be submitted by mail or email to:
Mr. Jeff Bade, Scholarship Committee Chair
American Society of Civil Engineers
215 South 16th St., Suite 16
Philadelphia, PA 19102
jbade@hardesty-hanover.com
(609) 538-8233

SECTION MEMBER SCHOLARSHIP

At least one \$1,000 scholarship will be awarded by the Section an undergraduate Civil Engineering student who is the child of an active Philadelphia Section member and meets the following requirements.

Eligibility Requirements:

- The applicant must be the child of an active Philadelphia Section member.
- The applicant must be matriculating in a full-time Civil Engineering or Architectural Engineering program at an accredited college or university.
- The applicant must be an active participant in the ASCE Student Chapter at his/her school.
- The applicant must be in their sophomore or junior year (and Pre-Juniors at Drexel).

Application requirements and submittal deadline are the same as for the Student Scholarship above.

*We encourage all eligible students to apply.
Good luck!*

PSPE PHILADELPHIA ENGINEERS WEEK BANQUET

The Pennsylvania Society of Professional Engineers (PSPE), Philadelphia Chapter, will conduct its 2012 National Engineers Week Banquet on Saturday, February 25 at the Springfield Country Club (400 West Sproul Road, Springfield). This event will recognize, promote and celebrate the role that Engineers fill in the Greater Philadelphia and Delaware Valley Region.

The price per person is \$60.00 for reservations received before February 17 and \$75.00 for reservations received afterward. Reservations can be made on the Chapter's website, www.pspe-philly.org, using PayPal. Sponsorships and table-top exhibits are also available, and information on these can be found on the Chapter's website.



**YOU CAN BE AN ORDINARY CHAP,
SUFFICIENTLY MOTIVATED TO
REACH CHALLENGING GOALS.**

– Sir Edmund Hillary

DECEMBER DINNER MEETING

December 7, 2011

The Down Town Club – Center City Philadelphia

Philadelphia's Navy Yard – Past, Present and Future

by Robert Wright, Editor

If it's a dreary, rainy evening, chances are there will be a meeting that the ASCE, Phila. Section is sponsoring or co-sponsoring that day, given the weather we've experienced this season so far and almost all of 2010-11. This time, the **Engineers' Club of Philadelphia (ECP)** led its first "multi-society" meeting, an event that to date had been the domain of the Philadelphia Post of the Society of Military Engineers (SAME), and it truly was "multi" with a total of thirteen (!) different technical societies sharing the billing for the evening, and making for a packed house/sellout. (It was almost like spilling a can of alphabet soup, with local sections of AACE, ASCE, CMAA, IEEE, PSPE, PMI, SAME, SJAMC, SNAME, STLE and SWE being part of this, with ECP — the various groups are all listed in the meeting announcement in the December News, to save space here.)

ECP President Bob Wright (small world?) welcomed the nearly 200 participants to the meeting and started the festivities with the traditional collection of toys donated by meeting attendees to the Toys for Tots program. **Ron Kerins** of the Mid-Atlantic Chapter of the Construction Management Association of America (CMAA) brought the two representatives of the United States Marine Corps front and center to deliver the toys.

President Wright acknowledged the local section and chapter Presidents and Chairs in attendance and, in the interests of time, asked each to stand and be recognized (these included our own Section President **Ann Tomalavage**). After dinner, President Wright introduced the featured speaker, **Robert Gorgone**, Director of Energy and Sustainability, Planning and Management at The Navy Yard for the Philadelphia Industrial Development Corporation (PIDC).

THE NAVY YARD TO DATE

Mr. Gorgone gave a very brief history of the Navy Yard, citing this day as the 70th anniversary of the Pearl Harbor attack, and noting the significant role that the Navy Yard played in war efforts over the years. The Yard has been in Philadelphia since 1801 and in its current location for the past 140 years. The Navy closed the Yard in 1995 and PIDC was designated as the agency to handle its transition from military base to private uses. The footprint of the Yard is roughly 1200 acres, about the same size as Center City, and the Navy retains use of about 200 acres for its facilities that remain there.

Since private concerns have been able to locate at the Yard, over 115 companies with 8500 employees have done so. Mr. Gorgone noted that there is a potential of 6 million square feet of usable space and much of it has not yet been used. In many cases, existing buildings can be adaptively reused for new purposes and this is a major selling point to potential companies.

Mr. Gorgone explained that the Yard has a Master Plan for development. This includes five specific zones of activity:

- industrial, which features the Aker Shipyard, Tasty Baking and the Navy Foundry, with 3.3 million square feet occupied
- corporate/research and development, which is exclusively managed by Liberty Property Trust
- office, with 1.5 million square feet occupied, including the proposed Glaxo Smith Kline headquarters and a new Marriott Courtyard Hotel
- historic core, centered around the Broad Street axis, with over 270 existing buildings
- Southport, at the eastern extreme of the Yard, which will accommodate expanded port facilities

ENERGY CONSIDERATIONS AND OPPORTUNITIES

Mr. Gorgone explained that, as it redevelops according to its Master Plan, the Yard has a similar plan for a Clean Energy Campus, in which it will focus on LEED certified buildings, public-private partnerships, and research activities conducted by several local universities. PIDC found itself in a unique position when it took over the extensive existing utility infrastructure in the Yard, including water and electric lines and a steam system and plant, which had been constructed and maintained by the Navy. The state Public Utility Commission designated PIDC as a non-regulated public utility when these assets were transferred from the Navy's control to PIDC. Utility companies such as Peco Energy and Philadelphia Water supply these services to the Yard but their facilities literally stop at the gate and the distribution lines within the Yard are PIDC's responsibility. All electric lines are underground.

This transfer of ownership and independence from outside control allowed PIDC to concentrate on a long-range plan for energy utilization and innovation. Mr. Gorgone outlined that it took a comprehensive approach with an eye toward smart-grid technology. The energy master plan includes five specific areas of focus – smart-grid infrastructure, business model, building owner opportunities, test bedding outreach/protocols, and carbon reduction/sustainability. Several research efforts were undertaken, including such partners as the Sandia National Laboratories and the Greater Philadelphia Information Cluster, to investigate the retrofit of existing buildings and to classify risk and grid reliability needs. A grant was received from GridSTAR for a test bed effort for the smart grid, which will involve the construction of an unoccupied residential building, electric car charging station, and solar panels for experimentation and research purposes.

While PIDC's overall goal, as Mr. Gorgone explained, is economic development, it has found

unique opportunities and challenges at the Yard.

Several questions were posed by the attendees and ably answered by Mr. Gorgone. One addressed the lack of residential development in the Yard's plan, and this is deliberate, as the focus of the Yard is directed to economic opportunity and attraction of commerce and industry.

President Wright, along with the roomful of attendees, thanked Mr. Gorgone for his insightful and informative presentation.

HAPPY HOLIDAYS and MERRY EVERYTHING FROM THE SECTION



Yes, the good news is that it's that great time of year again, when Christmas, Hanukkah, Kwanzaa, and the other feasts collectively known as the "holidays" happen, and then we get to start a new year. We wish you and yours all good things for this season and a great 2012.

The bad news is that our Editor has once again proven that he must have a little too much free time on his hands (despite what he might tell you), and he has cranked out a limerick of sorts for your enjoyment (?). Since we Engineers tend to like acronyms, and your Editor seems to think that the term he has heard used to describe his past holiday "ditties" is one, we present what he believes to be our annual LAYM (lightly amusing yuletide message) to be used in any way you'd prefer to do so.

It's time to say farewell to this year
2012 is almost here
From the Board and Officers of ASCE
Happy Holidays to ye
Merry everything, good tidings and cheer

Consider this our holiday greeting
We won't be sending cards or tweeting
But we'll have a professional development hour
Coming with the knowledge, which is power
As our "gift" when you attend a Section meeting

For the new year, here's a suggestion
For you to make a resolution you won't question
To network with peers and unwind a bit
And share some wisdom and wit
By participating in the events of our Section

TRAINING/CONTINUING EDUCATION OPPORTUNITIES

NTM Engineering will conduct a two-day session on BMP's for Erosion and Sediment Control Plans which will include the use of the new PADEP Erosion and Sediment Control BMP Manual. This will be held in King of Prussia on **February 22 and 23** (two all-day sessions worth 16 PDH's). Seating is limited and the registration deadline is **February 10**. Please visit www.ntmtraining.com to register and for additional information and details.

HAAHS ELECTED AS 2012 ENGINEER OF THE YEAR



ASCE, Phila. Section Member **Timothy H. Haahs, P.E., AIA**, President of Timothy Haahs & Associates, Inc. (TimHaahs), has been selected by the area Engineering and technical

societies as the **2012 Delaware Valley Engineer of the Year**. Tim exemplifies all of the qualifications of the Delaware Valley Engineer of the Year and is an excellent representation of an accomplished leader in the Engineering community.

Tim earned a Bachelor of Science in Civil and Urban Engineering as well as a Master of Science in Civil Engineering from the University of Pennsylvania. He is a registered professional Engineer in eight states and the District of Columbia as well as a registered architect in the state of Maryland.

Tim's professional affiliations include a position on the Board of Directors of the International Parking Institute and the executive committee of the Philadelphia Chapter of the Urban Land Institute. Tim is also a Fellow of ASCE and he received the Section's Philadelphia Civil Engineer of the Year award this past spring. He is an active member of the American Institute of Architects, American Planning Association, Institute for Transportation Engineers and National Parking Association. He is also an active member of the Korean-American Scientists and Engineers Association (KSEA) which was established in 1971 as a non-profit professional organization and which recently awarded Tim the Entrepreneur of the Year award for 2011.

In addition to his professional affiliations, Tim also serves over 200 parishioners as pastor of Calvary Vision Church and is a member of the board of directors for the Biblical Theological Seminary, the Jesus Awakening Movement for America (JAMA) and the Jaisohn Center, an organization that provides medical, social, educational, and cultural services to low-income Korean-Americans.

Throughout his career, Tim has been blessed to receive numerous awards recognizing his achievement as an Engineer and as a business leader. As President and CEO of TimHaahs, he leads the firm's national and international professional services in planning and design of mixed-use and parking structures. Focusing on master planning and mixed-use, Tim's desirability integrate the parking solution with the pedestrian experience – creating active and vibrant “people places”. Most recently, Tim has presented to the United Nations on the global challenge of parking, infrastructure, and sustainable development, applying the concept of “cellular development” to create self-sustaining communities.

We congratulate Tim on this honor.

ANACE*

In case you missed either of them, there were two notable 200th anniversaries in 2011. Read on...

USDOT CELEBRATES 200TH ANNIVERSARY OF FIRST FEDERALLY FUNDED ROAD

In May, U.S. Transportation Secretary Ray LaHood marked the 200th anniversary of America's first federally funded road, which connected Cumberland, MD, with Wheeling, VA (now WV). Construction of the National Road, as it was called, was begun on May 8, 1811. Authorized by Congress in 1806 and signed into law by President Thomas Jefferson, it opened the door for thousands migrating west through the Appalachian Mountains and strengthened trade and communications lines from the East Coast to Ohio and beyond.

“The National Road was the beginning of what became the world's largest and most sophisticated highway system,” said Federal Highway Administrator Victor Mendez. “Our modern system preserves the legacy of that original interstate – strengthening local and regional economies and connecting communities.”

When Indiana and Illinois joined the Union in 1816 and 1818, respectively, the National Road was extended, reaching nearly 800 miles long. The road reached Vandalia – then the capital of Illinois – but plans to extend it across the Mississippi River were abandoned due to disputes over whether to cross the river at Alton, IL, or St. Louis, MO.

In 1912, the road became part of the National Old Trails Road and its popularity grew in the 1920's as automobiles became more common. In 1926, the road became part of US 40 as a coast-to-coast highway. In the 1960's, its prominence was overshadowed slightly as parallel I-70 opened and replaced it as the main highway in its corridor.

Thanks to USDOT for this item.

ANOTHER 200TH ANNIVERSARY – NEW MADRID EARTHQUAKE

If you recall being shaken a little more than normal back in late August (before Irene and Lee arrived and got you wet), you'll want to know that December 16 marked the 200th anniversary of one of the largest earthquakes ever to strike our country. The earthquake took place in the New Madrid Seismic Zone (NMSZ), which is the site of several of the largest historical earthquakes in the continental US and remains a significant risk today.

On December 16, 1811, the first of these quakes struck, causing strong shaking throughout the Midwest, including in what is now the location of Memphis, TN., and its impacts were felt as far away as Washington, DC and Ohio. This event was followed by a series of earthquakes which caused sand to erupt at the surface, triggered landslides, and was followed by dozens of large aftershocks. The strongest of the

earthquakes in the series, which occurred February 7, 1812, in New Madrid, MO, caused large areas of land to be uplifted or dropped down in elevation.

Since the 1811 and 1812 earthquakes, the regions along the NMSZ have experienced explosive growth in both population and infrastructure. Another series of earthquakes of the same magnitude as the 1811 earthquakes could prove catastrophic to the region.

The Federal Emergency Management Agency (FEMA), along with its federal partners, non-governmental organizations, and state and local officials, have collaborated on a series of outreach efforts, partnerships and events over the past year, leading up to the 200th anniversary. These are designed to educate Americans on what they can do to be better prepared for earthquakes and other catastrophic events.

Of concern to ASCE in the area of earthquake readiness and mitigation is the failure of Congress to complete the timely reauthorization of the National Earthquake Hazards Reduction Program (NEHRP). Created by Congress in 1977, NEHRP has provided the resources and leadership that have led to significant advances in understanding the risk earthquakes pose and the best ways to counter them. NEHRP authorization expired in 2009.

**ANACE – Almost Nothing About or Concerning Engineering*

PHILADELPHIA SECTION 2012 AWARDS – NOMINATIONS BEING ACCEPTED

Hard to believe it's that time again, but the Section's Awards Program for 2012 is now open for nominations. These Awards recognize Section members and others for their contributions to the Civil Engineering profession. All Awards will be presented at the Spring Social/Dinner Dance, which has not been scheduled to date. More information on the Spring Social will be included in upcoming issues of THE NEWS.

We encourage you to submit nominations for those deserving individuals who should be recognized for their various contributions, achievements and career milestones appropriately.

GUIDELINES/RULES

- Nominations must be received by the close of business (5:00 PM) on Monday, January 30. Nominations should be submitted on nomination forms which are available from the Committee Chair.
- Individuals may be nominated for awards by a member in any grade of membership.
- Individuals may receive only one award in a single year, but may be nominated for more than one award in a single year.
- Award recipients are subject to the approval of the Section's Board of Directors.
- All awards are presented only in years in which, in the judgement of the Selection Committee or the Board, there is at least one suitable candidate.

Continued on page 7

IS ENGINEERING REALLY THE RODNEY "NO RESPECT" DANGERFIELD OF PROFESSIONS?

ASCE National President **Andrew Herrmann** offered the following in his blog on November 22. Unfortunately, a good deal of it rings true.

Reading the obituaries recently in *The New York Times*, I had to conclude – no Engineers died today!

I could have seen that literally as a good thing – no Engineers died – but though we think we are immortal, Engineers do die. It could also be seen as “no important Engineers died today,” but looking back through a week’s editions of the Times, no deaths were noted for Engineers of any caliber. And I happen to know at least one prominent New York City Engineer who died recently.

So who was considered worthy of an obituary this week? A radio sound effects man, a big band singer, a nurse, a writer, a surgeon, two baseball players, an illustrator, a clothes designer, a costume designer, a corporate president, a TV personality, a shoe designer, a restaurant owner, a country song writer, a producer, and a physicist. There were quite a number of people from all walks of life, it seemed, but no Engineers.

Could it be no one notices Engineers in life or death, even though the infrastructure that makes life work for all the other people whose deaths were recorded by the Times was planned, designed, built, maintained, and rehabilitated by Engineers?

On my wall I have a poster from ACEC that says, “You can’t . . . drive to work, cook that pot roast, bake that cake, shower after jogging, watch 60 minutes, toast the bread, brew the coffee, call your mother, be cool in summer, wash your sweat suit, dine out, play computer games, medicate your colds, build your new house, listen to “ol’ blue eyes,” ride your bike, video that wedding, vacuum that rug, recycle your garbage, play baseball at night, be warm in the winter, fly to Hawaii, check the time, flush the toilet, buy a fresh tomato in winter, fill that cavity, use the cash machine, mail those letters . . . without an Engineer.”

Engineers, though labeled trustworthy by the public, get virtually no respect or recognition for what we do. It’s probably our fault. We are by our training a modest group, we don’t look for glory, and it sure doesn’t seek us out.

This may be why infrastructure is taken for granted. We don’t publicize it, but it works and not only improves our way of life but is the basis for our way of life. Since we don’t publicize the importance of infrastructure, it is for the most part ignored; it falls behind other areas whose groups are more vocal in advocating for dollars. However, it is getting to the point that the American public can’t ignore its condition much longer as we have not invested adequately in our infrastructure for decades.

Several recent economic studies, including ASCE’s own, show that just investing at our present levels will seriously affect Americans’

way of life in the next two decades, with a decrease in our standard of living, a hit to our GDP, continued job losses, and additional costs to businesses.

Try as we might, how will we get the public to recognize the importance of Engineers and infrastructure in their daily lives? We can’t even get *The New York Times* to notice that an Engineer died.

I welcome your reactions and suggestions.

DREXEL OFFERS SYMPOSIUM FOR PROFESSIONAL DEVELOPMENT

The Civil, Architectural and Environmental Engineering Department (CAEE) at Drexel University will be offering a day-long lecture series which will provide Professional Development credits for Licensed Professional Engineers (PE’s). This opportunity will take place over one full day and will allow attendees to sign up for individual classes (at 2 PDH’s per class) or the entire symposium.

There will be a weekday session (**Wednesday, January 25, 2012**) and a weekend session (**Saturday, January 28, 2012**) to provide further options for students. The sessions will be conducted on Drexel’s campus in University City. Participants will be granted a certificate upon completion of their course(s).

The sessions will consist of the following courses and the attendee may select courses from either Listing A or Listing B:

8 AM TO 10 AM

- Geology of the Marcellus Shale (A)
- Ethics (B)

10:15 AM TO 12:15 PM

- Drilling Technology to Extract Natural Gas Reserves (A)
- New Developments in Geosynthetics (B)

1 PM TO 3 PM

- Fracturing and Environmental Impacts (A)
- Public Private Partnerships (B)

3:15 PM TO 5:15 PM

- Supporting Infrastructure to Extract Natural Gas and Transportation to the User (A)
- Seismic Design – IBC 2009 (B)

Registration fees are:

- One session - \$149
- Two sessions on one day - \$249
- Three sessions on one day - \$329
- Four sessions on one day - \$399

Registration is due by **January 12, 2012**. Registration at the door will be \$50 additional and subject to available space. Credit cards will NOT be accepted – checks only.

Please visit the website www.cae.drexel.edu/seminars.asp and click the calendar tab for registration information, or contact **Sarah Colins** at **215-895-1918, sjc349@drexel.edu**.

YOUNGER MEMBER FORUM NEWS

James Graham, Forum Editor

Jeremy Chrzan, Forum President 2011–12

Pennoni Associates, Inc.

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ANNUAL WINTER SOCIAL

MONDAY, JANUARY 30, 5:30–8:30 PM

Happy Holidays! The YMF is hosting our **Annual Winter Social** on **Monday, January 30** at **McGillin’s Olde Ale House** in Center City. This event has historically been the Section’s largest and most successful event, consistently attracting over 150 Engineers from throughout the region. The Winter Social is an outstanding opportunity for young and experienced Engineers alike to network with peers in a casual setting, and to meet some of the leaders in their industry. Please RSVP (PayPal preferred) through the website. The deadline for reservations is **Tuesday, January 24**. The cost per attendee is \$20 if you RSVP.

We are planning to once again hold a raffle during the Social with proceeds going to local charities. Last year we raised \$862 for **Philabundance** and \$250 for the **Future City Competition**. In order for this year’s raffle to be a success, we must rely on the generous donations from local Engineering companies. In return for a donation, companies will be recognized during the event in *THE NEWS*, and will be featured as a sponsor for one year in the ‘Job Listings’ section of the YMF website. If you are interested in contributing, please contact **Kazi M. Hassan** at kazihassan@pennoni.com or **(215) 254-7720**.

CONSTRUCTION

The YMF will be participating in the 2012 **Construction** this spring. This annual design and build competition requires participants to construct amazing structures made entirely from canned food. Cans are acquired through fundraising efforts, then after the judging, awards, and a week-long display, everything is donated to local food banks. If you would like to join the team or get more information, please contact **Chris Gray** at cgray@timhaahs.com. Stay tuned for more details.

YMF WINS THE 2011 ASCE CYM YOUNGER MEMBER GROUP WEBSITE AWARD!

The YMF has been awarded the 2011 ASCE CYM Younger Member Group Website Award in the large group category. The actual award will be presented at an event at the 2012 Northeast Regional Younger Member Council meeting in Nashville. For more information about the distinct honor, you can view the award letter on the website.

OTHER HAPPENINGS TO DATE

YMF member **Adrienne Nikolic** presented a session on “Engineering Clean Drinking Water” to Mr. Knoflicek’s 7th grade science classes at McCall School in Philadelphia (2 class periods, each class had approximately 30 students). The presentation included the basic steps that a water treatment plant performs to purify water to

Continued on page 7

TECHNICAL GROUPS/CHAIRS

Information on the ASCE, Philadelphia Section's Technical Groups is given below. Director **Keith Yamatani** will be coordinating the activities of the Groups. If you have any topics that you think would be of interest to the Groups, please feel free to pass this information along to the appropriate Group Chair.

CONSTRUCTION

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ENGINEERING MANAGEMENT

A new Group Chair will be announced shortly.

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YMF NEWS

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drinking water quality. This included a hands-on experiment that simulated coagulation/floculation/filtration – a chemical coagulant was added to the “dirty drinking water sample,” the sample was mixed, and then poured into the filter, producing “clean water”. The sessions were well received by the students. A follow-up is in the works for a hands-on experiment and demonstration on Structural Engineering

The 18th Annual Philly Cares Day on October 22 in Philadelphia was a great success. YMF volunteers swept the streets and the front porches of abandoned houses, and repainted the curblines and house numbers.

A construction tour of the PA Turnpike Commission's Route 29 All Electronic Interchange was conducted on November 1.

SECTION AWARDS

Continued from Page 5

- The Selection Committee, at its discretion, may nominate an alternate for each Award for Board consideration.
- The Selection Committee will recommend to the Board whether the recipient should also be nominated for applicable National or Regional awards by the Section.
- A nominee for any award MUST be a member in good standing of the Philadelphia Section in the year in which the nomination is made, with two exceptions (Government Service Award and Philadelphia History and Heritage Award). For these awards, membership in the Philadelphia Section is NOT required.

AWARDS

The Section has a total of 13 awards which cover various specialty areas. In addition, the Section President can nominate an individual for the Presidential Award at his/her discretion. The awards are as follows:

- Philadelphia Civil Engineer of the Year
- Philadelphia Young Civil Engineer of the Year
- Philadelphia Government Engineer of the Year
- Philadelphia Young Government Engineer of the Year
- Government Service Award
- Educator of the Year
- Philadelphia History and Heritage Award

Individual Technical Awards:

- Civil Engineering Manager of the Year
- Construction Engineer of the Year
- Geotechnical Engineer of the Year
- Structural Engineer of the Year
- Transportation Engineer of the Year
- Water Resources Engineer of the Year

If you are interested in submitting a nomination for consideration, please contact **Bob Wright**, Committee Chair, at 215-922-8081, x1647 (or via e-mail at newseditor@asce-philly.org) to obtain a nomination form. You may also call Bob if you have any questions or need any additional information on the Section Awards Program.

With four bridges, three retaining walls, and a mile of roadway work, there was something for everyone to see.

On November 5, 10 YMF members gave up some Saturday time to help stabilize washed-out trails and re-deck a pedestrian bridge along the Wissahickon Creek. Afterward, they celebrated their accomplishments with pizza and soda.

On November 15, YMF coordinated a construction tour of the Schuylkill River Trail Connector Bridge Project. 50 ASCE members attended the tour and the Happy Hour afterward at Roosevelt's Pub.

UPCOMING EVENTS

The YMF board meets monthly to develop new events and several are currently in the works. Check back frequently for updates.

To keep up-to-date on all our upcoming events, sign up to join our mailing list by emailing our secretary at secretary@ymfphilly.org.

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