

Our 100th Year

Vol. 85-1

Summer 2012

100TH ANNIVERSARY IN FULL SWING!



On October 17, 1912, twelve men met to formulate the plans of what was to become the Philadelphia Section of the American Society of Civil Engineers. Their primary objective was "... to promote closer professional and social contact among its members and to further the aims of the Society...". The plans for the ASCE, Philadelphia Section were submitted to ASCE and the National Board of Directors approved, resulting in the official creation of our Section on June 14, 1913.

At the time of our formation, things were a little different. Most communication was in the written form – radio was in its infancy and not available to most people (commercial radio would get its very limited start eight years later), and telegraph/telegrams were the only other means of communication. Movies were around but were silent. Telephones were just getting started and not all that common. Electric power was mainly a city/built-up area thing and was rare in rural areas (and would remain that way until the late 1930's). Transportation was on the ground, and mainly by rail, and slow, but the option by water was even slower. (And keep in mind you could sail coast to coast in the US, but it was by way of Tierra del Fuego in South America, since the under-construction Panama Canal would not open for another two years.)

As we trotted out at the end of last season, we have a new logo to cite our centennial (above), and will have several special events and happenings during the season to highlight this as well. In the Meeting Schedule provided elsewhere in this issue, you will note that we have already set the date for our **100th Anniversary Spring Social – Saturday, May 4, 2013** – at the **Franklin Institute**. Coming editions of *THE NEWS* will have some historical perspectives and notable events that have occurred in our 100 years for your reading pleasure.

ASCE, PHILA. SECTION MEETING SCHEDULE 2012–13

The Section Meeting program for the upcoming season is in the very preliminary stages and our meeting program committee is busy lining up speakers and topics for what we hope will be an interesting and informative series of meetings. The TENTATIVE dates have been provided below for your planning purposes. We would suggest that you use this to mark your calendar at this time and hold the dates.

In coming issues of *THE NEWS*, this information will be "fine-tuned" to provide updates as they are available. We also suggest you visit the Section website for the latest changes in our meeting program. As we have done, each month's edition of *THE NEWS* will feature detailed information on that month's meeting along with as much information as is available for the following month's meeting, and the "look-ahead" schedule will show details that are available at that time for your advance awareness.

We also noted the success of the varied locations of meetings and will continue to schedule a mix of Center City and suburban venues to make them as convenient as possible for you. More details will be provided on meeting locations as they are set.

Dinner meetings generally follow a schedule of a cocktail hour starting at 5:30 PM, dinner at 6:30 PM, and the meeting presentation following

at approximately 7:30 PM, unless otherwise noted. We also intend to follow our second-Thursday pattern except where joint meetings will preclude this. As always, you are welcome to attend the meeting presentation without dinner at no cost if you prefer to do so.

The dates as of this printing are:

- 2012**
- October 11**
 - November 8**
 - December 13** – "multi-society" joint meeting with Engineers' Club of Philadelphia, Society of American Military Engineers, Construction Management Association of America, and others
- 2013**
- January 16** (NOTE: Wednesday) – joint meeting with American Society of Highway Engineers
 - February 14**
 - March 14**
 - April 11**
 - May 4** (NOTE: Saturday) – annual Spring Social/100th Anniversary gala, Franklin Institute

JOHN W. (JACK) BOORSE

Longtime ASCE, Philadelphia Section Member **Jack Boorse** passed away on May 9 after a short illness. Mr. Boorse had served as principal professional associate for Transport Engineering in the Philadelphia office of Parsons Brinckerhoff (PB) since 1988 and was in this position at the time of his passing. Before his 24-year "second" career at PB, he had served the City of Philadelphia Department of Streets for 31 years as a traffic engineer, the last five years of which he had been the Department's Chief Traffic Engineer, before retiring in 1988.

Mr. Boorse was a founding member and chairman of the Philadelphia Traffic and Transit Coordinating Committee, which instituted dedicated traffic lanes for SEPTA's

trolley lines. He also installed the first "trolley-only" traffic bar signal in the United States.

As a consultant, Mr. Boorse was responsible for the integration of automobile traffic and light rail trains for 12 light rail systems operating today. He was an emeritus member of the Transportation Research Board (TRB) Committee on Light Rail Transit and the founding chair of its Subcommittee on Light Rail Circulator Systems. He published numerous papers in TRB journals and was a frequent contributor to Transit Cooperative Research Program reports. He was the author of two books, "Rapid Transit in Canada" (1968) and "Philadelphia in Motion" (1976). He is survived by his wife Penny and son Michael.

MEMBERS/FIRMS IN THE NEWS

KMJ RECOGNIZED BY PHILADELPHIA BUSINESS JOURNAL

KMJ Consulting, Inc. is pleased to be recognized as a new member of the *Philadelphia Business Journal's* List of Engineering Firms. The list showcases recent local projects for public sector clients such as the City of Philadelphia and SEPTA and ranks regional engineering firms by number of local employees, number of local engineers, and local billings for fiscal year 2011. The list was published in April and KMJ entered the list at number 32.

KMJ is also pleased announce that **Karen Jehanian, P.E.**, owner of the firm, has been selected to receive the distinguished 2012 Top 100 Minority Business Enterprise Award. The top 100 MBE® ceremony is designated to acknowledge and pay tribute to outstanding women and minority business owners in Maryland, Virginia, Pennsylvania, Delaware, and the District of Columbia. The award is given to enterprising women and minority entrepreneurs that fuel the region's economy through their innovation, sacrifices, and dedication. These business owners are living their dreams and making significant contributions to their clients, professions, industries and communities. The award was presented to Karen at a ceremony at the University of Maryland on May 4.

KMJ WELCOMES MISHURA

KMJ Consulting, Inc. is pleased to announce that Richard A. Mishura has joined the firm as a project manager. Rick has 17 years of experience as a traffic engineer and signal designer working on projects in Pennsylvania, Delaware, and New Jersey. He is a 1995 graduate of Penn State University who specializes in identifying problems, conducting analysis, and developing solutions. He has participated in a wide range of traffic engineering and highway design projects including traffic signal design, cost estimating, highway safety analysis, transportation planning, traffic calming, data collection, public involvement, drafting, field investigations, emergency management, safety, and operational analysis.

MARKHAM MOVES UP AT PENNONI

Pennoni Associates is pleased to announce the promotion of Past Section President James Markham, PE, to Associate Vice President in the firm's headquarters in University City.

"Becoming an Officer of Pennoni Associates is truly an honor, one that shows earned respect, trust, and confidence of Pennoni's Board of Directors, and also of peers, colleagues, and subordinates," said Pennoni President and CEO Tony Bartolomeo.

Jim serves as the Transportation Division Manager in the firm's Philadelphia office. His group provides professional transportation engineering services to public and private sector clients. His project experience includes traffic

studies, roadway design for public and private sector clients, storm drainage design and modification, contract bidding and administration. In addition to his design experience, he assists Pennoni's municipal clients with the review of land developments within their townships. He is frequently the Project Manager for multi-discipline projects and in that role, calls upon expertise from across the firm. He also frequently presents at public meetings. He was recently inducted as the President Elect of the Engineers' Club of Philadelphia. He is a graduate of the University of Pennsylvania, and a registered Professional Engineer in both Pennsylvania and New Jersey.

NEWS/EVENTS FROM ASCE NATIONAL

ELECTIONS - DON'T FORGET TO VOTE

Elections for ASCE National President-Elect and other positions are now open. Ballots have been mailed to members and you can return a hard copy of your completed ballot or vote on line as indicated on the mailed ballot. A passcode for voting on line is provided on the mailed ballot.

The "polls" close on **August 12**, so make sure you vote and have your voice heard!

There is an actual contest for the President-Elect position this time, something that does not usually happen, and you will need to choose between two very qualified candidates – Randall Over and Garland Rose. We would suggest you visit the ASCE website and read the candidates' biographies and qualifications. Our Section does not generally endorse or recommend particular candidates for office. We prefer to have you rely on your own judgement, opinion and knowledge to make your personal decision and we do not intend to sway this in any way. We can say that both candidates come with impressive resumes and backgrounds and each would serve the Society well.

The only thing we would urge you to do in this election is VOTE. If you don't, that will guarantee that your voice will not be heard. Please take this opportunity to express your desires and participate in this election.

REGISTRATION OPEN FOR ASCE'S 142ND ANNUAL CIVIL ENGINEERING CONFERENCE!

Join your fellow Engineers **October 18-20** in **Montreal, Quebec**, where the Conference's theme will be "*Civil Engineering in the New Global Economy*." Dynamic discussions will explore the changes shaping our profession both now and in the future. Information will be provided on how technology is spurring innovation and accelerating productivity, how global capital is impacting infrastructure construction, and how the global supply chain is affecting project delivery. Visit www.asceannualconference.org for more information.

The Preliminary Program is featured in the June edition of *Civil Engineering* magazine.

SECTION OFFICERS AND BOARD OF DIRECTION 2012-13 SEASON

At our **Spring Social** on **May 18**, the ASCE, Philadelphia Section's officers and Board members for the current season were officially installed. They are as follows:

President: Jeremy D. Colello, Pennoni Associates, Inc.

President Elect: Jennifer K. Walsh, McMahon Associates Inc.

Vice President: Joseph Platt, Traffic Planning and Design, Inc.

Secretary: AnnMarie L. Vigilante, Langan Engineering & Environmental Sciences

Assistant Secretary: Stephen Maakestad, Hatch Mott McDonald

Treasurer: Guy DiMartino, Traffic Planning & Design, Inc.

Membership Secretary: Cathy G. Farrell, Michael Baker, Jr., Inc.

Directors:

Vicki L. Brown, Widener University ('11-'13)

Eve S. D'Onofrio, ES Design LLC ('11-'13)

Spencer Finch, Pennsylvania Environmental Council ('12-'14)

Ali Khan, JMT ('12-'14)

Marc Preim, STV ('12-'14)

Keith Yamatani, Kleinfelder ('11-'13)

Past President*:

Ann M. Tomalavage, Malarkey Consulting, Inc.

President, Reading Branch: E.J. Walsh, McCarthy Engineering

*The passage of the revised Section Constitution and Bylaws last year includes only the immediate Past President on the Section Board and for a one-year term of service.

We wish these brave and generous folks our collective good luck for the coming season.

PUBLICATIONS COMMITTEE

Editor of THE NEWS

Robert Wright

Staff Writers

James Markham Joe Syrnick

SEND COPY TO:

ASCE, c/o Engineers' Club of Philadelphia
215 S. 16th Street, Suite 16
Philadelphia, PA 19102

**COPY DEADLINE FOR
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SEPTEMBER 21, 2012**

PHILADELPHIA ENGINEERING FOUNDATION GOLF OUTING — A “FUN-DRAISER”

If you are a serious golfer, please stop reading here! (Unless you're looking to help as a volunteer...)

If you're looking for a fun and interesting day on the golf course, please mark the date of **Monday, October 1** in your calendar and plan to join us fun-seekers at the 13th Annual Philadelphia Engineering Foundation (PEF) Golf Tournament (formerly known as the Engineers Week Golf Outing). The Tournament will be held at the Blue Bell Country Club in Blue Bell, the same location as last year. Various

sponsorships, foursomes, and individual play are available. Those who adopt a hole will be challenged to create an interesting and fun contest for that hole, where a prize of the sponsor's choice will be awarded to the successful participant.

Registration starts at 8:00 AM and clubs start swinging with a shotgun start at 9:00 AM, with lunch and prizes following golf, all for a good cause — Delaware Valley Engineers Week. Please visit the Engineers' Club website, www.engrclub.org, for more information.

YOUNGER MEMBER FORUM NEWS

Amanda Kessler, Forum Editor

Kazi Hassan, Forum President 2012–13

Pennoni Associates, Inc.

3001 Market Street, 2nd Floor

Philadelphia, PA 19104

215-222-3000

khasan@pennoni.com

ASCE YMF BOARD MEMBERS 2012-2013

The YMF hosted an election happy hour on May 30 at City Tap House in Philadelphia. A new Board was elected and the poll results are as follows:

President: Kazi Hassan, Pennoni Associates

Vice-President: Chris Gray, TimHaahs

Secretary: Drew Sirianni, McMahan

Treasurer: Jennifer Reigle, Pennoni Associates

Professional Development Chairs: Marc Preim, STV and Eammon Farley, TPD

Technical Groups Chairs: Zack Suralik, STV and Stephen Maakestad, HatchMott

Outreach Coordinators: Jesse Gormley, Pennoni Associates and Kolleen Backlund, AGES

College Contacts: Colette Montague, Urban and Kevin Brown, Urban

Community Service Chairs: Jon Miller, Grace Construction and Richard Munns, Langan

Social Chairs: Scott Cepietz, RK&K and Niki Eno, Ammann & Whitney

Assistant Secretary/Newsletter Editor: Amanda Kessler, McMahan

Social Media Chair: Adrienne Nikolic and Allie Sedor, Pennoni Associates

IT Chair: Chris Renfro, Philadelphia Streets Department

Past-President: Jeremy Chrzan, Pennoni Associates

CANSTRUCTION

The YMF competed in the **2012 Canstruction** design-build competition with 10 other teams on May 5. The YMF collected nearly 5,000 cans translating to over 13,000 pounds of food, which is nearly one-third of the total amount raised by all teams. The YMF team (**Stephen Maakestad, Chris Renfro, Mary Pat Tumelty, Kevin Brown, Alex Sopin, Alex Kolodziejczyk, Colette Montague** and **Chris Gray**) won the Best Meal award for their design **Hope For The Hungry**.

After the competition, the cans were donated to Philabundance for distribution to local food shelters throughout the Greater Philadelphia area. The YMF would like to thank their various sponsors including: AECOM, BASF, BBD LLP, BL Companies, Brudis Associates, Campbell's Soup, Everything Plastic, Hardesty Hanover, Hatch Mott MacDonald, Malcolm Pirnie/Arcadis, Milton K. Morris, the Montague Family, Pennoni Associates, TimHaahs, and Urban Engineers.

Congratulations to the YMF team and their sponsors for their participation and success in such a worthwhile cause.

PHILLIES VS. BRAVES – AUGUST 8

The annual joint chapter ASCE YMF Phillies game will be held on **August 8** when the “Fightins” face the Atlanta Braves. Ticket price of \$17 includes tailgate and discount from regularly priced tickets. Currently, the event is sold out but a waiting list is available for any last minute cancellations. If you would like to be added to this list, please contact **Jen Reigle** (jreigle@pennoni.com).

AWARDS!

The **ASCE National Committee on Younger Members (CYM)** is seeking nominations for the 2012 Younger Member Employer Recognition Award. The Employer Recognition Award was created to recognize employers who support young Engineers and assist with their personal development. Nominations must be postmarked by August 1. The nomination form, which describes the award in detail, is available in the News section of the YMF website.

CYM is also seeking nominations for a variety of awards including the Collingwood Prize, the Daniel W. Mead Prize, the Younger Member Group Award, the Edmund Friedman Young Engineer Award, the Young Government Civil Engineer of the Year Award, and the Younger Member Group Website of the Year Award. If you know of a person or group who deserves to be nominated for one of these awards, please visit the CYM website for detailed descriptions and applications (www.asce.org/Younger-Member-Groups/CYM-Awards/).

STORMWATER CONFERENCE – VILLANOVA

ANALYSIS OF WATER SURFACE PROFILES USING HEC-RAS

AUGUST 20-22, 2012

This course has been designed to familiarize engineers with the theoretical and practical aspects of HEC-RAS, the steady water surface profile model developed by the Hydrologic Engineering Center of the U.S. Army Corps of Engineers.

The course starts with a review of open channel hydraulics. After each new aspect of HEC-RAS is introduced, students will be given a design problem to analyze on the computer under supervision of the course instructors. Students will use the most current version of the package on microcomputers in Villanova's Computer Aided Classrooms. These facilities allow the instructors to present HEC-RAS results in a real-time environment. Specialized topics to be discussed include Cross Section Selection, Mixed Flow Regime Modeling, Bridge and Culvert Hydraulics, Floodway Determination, and Error Analysis. Theory and practical usage will be integrated to maximize understanding of HEC-RAS applications to real world design problems.

Lead Instructor: Robert G. Traver, Ph.D., PE, D.WRE, Professor

Each instructor has extensive consulting, research, and academic experience with hydraulic models. Villanova participated as a Beta test site for HEC-RAS.

What you get: Each course participant will be shown how to download HEC-RAS, and will receive the program documentation, a binder with the course lecture notes, and a PDH certificate for the course.

Course specifics: Registration will begin on August 20 at 8:30 AM at the College of Engineering MDL lab. The class will finish on August 22 by 1:00 PM.

A reception will be held at the end of class Monday. To improve the experience this year we are asking the participants to bring their own laptops. We have a limited number of laptops available for loan. Please contact Dr. Traver if you can not bring your own.

The fee for the conference is \$1100 prior to August 6, and \$1250 after that date. Group discounts are available. Current Villanova Civil Engineering Graduate students and VUSP partners are eligible to receive an additional discount. Enrollment is limited.

QUESTIONS?

Content: Dr. Traver; (610) 519-7899; robert.traver@villanova.edu

Registration: Ms. Linda DeAngelis; (610) 519-4960; linda.deangelis@villanova.edu

TECHNICAL GROUPS

The Environmental and Water Resources Technical Group has the following tentative 2012-13 meeting schedule.

Date	Time	Topic
September-October	Dinner meeting	Microfiltration Water Treatment
November	Lunch meeting	Environmental Vapor Intrusion
January	Dinner meeting	Stormwater topic
March	Dinner meeting	Potable Water Asset Management

Please contact **Eve D’Onofrio** (edonofrio@esdesignllc.com) with any suggestions or questions. Please watch this space for updates and additional information as the season continues.

ATTENTION, SMALL AND MID-SIZE FIRMS

ASCE has developed a new program — the Associate Partners Program — to allow small and mid-size firms to provide a sort of group membership to their employees. Several professional societies already have group membership programs like this in place, so you may be familiar with the concept.

The Program includes several package “deals” that will allow employers and agencies to bring the full suite of ASCE products and services to their employees at affordable prices. These tailored packages allow access to affordable advertising opportunities, professional memberships, access to industry publications, presence at the ASCE Annual Conference, and access to industry renowned continuing education offerings. For more detailed information, please visit www.asce.org.

The ASCE, Philadelphia Section encourages you to find out more about the Associate Partners Program and how it may be able to benefit you and address your needs.

ONCE AGAIN, THANKS TO OUR SPONSORS !

As you have seen, the Section Sponsorship Program was once again popular this past season, with 19 firms participating in it. We extend our special and collective **THANKS** to each sponsor for their financial commitment and support.

Sponsor logos are displayed in a special Sponsors section of our website. Additionally, we provide direct links to sponsors’ own websites so prospective employees can review all available and up-to-date positions. We do not show the sponsors’ logos in the Summer edition of *THE NEWS* but will pick it up again in the fall. And speaking of this...

Of course, we’ll be contacting current sponsors later this summer to see if they’ll go again in 2012-13. We hope the program will be as successful then as well.

To cite our 100th Anniversary this season, we are offering several different varieties of sponsorship. More information will be provided on this as it is developed.

If you have an interest in joining our sponsorship program, please contact **Bob Wright** at newseditor@asce-philly.org for more details.

INFRASTRUCTURE (NEE LEGISLATIVE) DAY

For the sixth consecutive year, ASCE members statewide participated in the annual visit to our state’s lawmakers in Harrisburg. This year, the event formerly known as Legislative Day switched names to better reflect its purpose, being christened Infrastructure Day, and it was held on May 8. Over 100 appointments were scheduled with legislators and nearly 70 participants from various organizations such as the Pennsylvania Society of Professional Engineers (PSPE), the American Council of Engineering Companies (ACEC), the American Society of Highway Engineers (ASHE), the American Public Works Association (APWA), and the Institute of Transportation Engineers (ITE), along with ASCE, were there to press the issue of our state’s transportation funding needs.

With the prospect of reduced funding for roads, bridges, mass transit, and other transportation components, in spite of the growing needs, and no new resources in sight, our voices need to be heard, both as engineers and state residents. Transportation is an issue that affects all of us in some fashion.

A joint effort between the Engineers’ Club of Philadelphia and our Section on May 14 brought Representative Allyson Schwartz and State Senator Michael Stack to the podium at Drexel University to speak on the subject of transportation infrastructure and funding. A crowd of roughly 100 attendees came to hear some promising news and ask both elected representatives for help to get more funding for the needs in this area.

We encourage you to contact your elected representatives to express the importance of continued long-range transportation and infrastructure funding.



PHILADELPHIA SECTION
AMERICAN SOCIETY OF CIVIL ENGINEERS

215 S. 16th Street, Suite 16, Philadelphia, PA 19102
Telephone/Reservations: (215) 985-5703
Web site: <http://www.asce-philly.org>
National ASCE Central Number Toll Free 1-800-548-ASCE