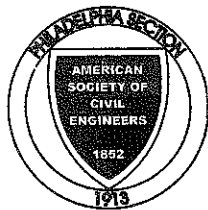


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Vol. 75-5

Our 89th Year

December, 2002

JANUARY JOINT DINNER MEETING

Philadelphia Section, American Society of Civil Engineers,
Delaware Valley Section, American Society of Highway Engineers (ASHE)
and Philadelphia Section, ASCE Reading Branch

WEDNESDAY, JANUARY 15, 2003

HOLIDAY INN • Mall Blvd. • King of Prussia, PA • (see location map below)
COCKTAILS - 6:00 P.M. • DINNER - 7:00 P.M. • MEETING - 8:00 P.M.

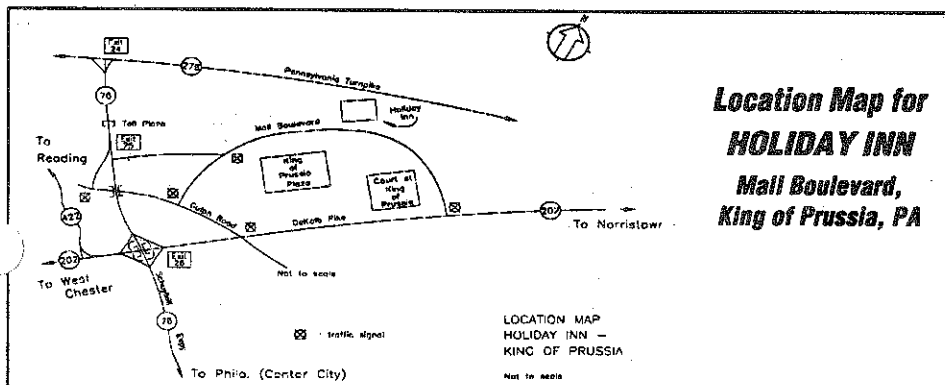
SUBJECT: CONSTRUCTION OF THE NEW PHILLIES STADIUM
SPEAKER: John Stranix, Project Executive, Philadelphia Phillies

RESERVATIONS MUST BE SUBMITTED BY FRIDAY, JANUARY 10, 2003. Please send your check for the number of attendees @ \$20.00 per member or guest, \$10.00 per ASCE Student Members, payable to the Phila. Section, ASCE, P.O. Box 58186, Phila., PA 19102-8186; or call the Electronic Message Center: 1-800-461-4190 (Open 24 hours/day) or e-mail the Section at info@asce-philly.org.

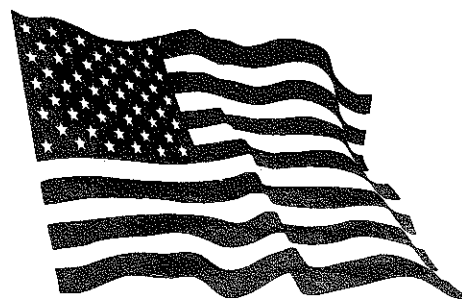
SPECIAL FEATURE: DREXEL UNIVERSITY NIGHT - The ASCE Student Chapter, Alumni and Faculty of the Civil and Architectural Engineering Department of Drexel University will be honored at this meeting. All Students, Faculty and Alumni are cordially invited.

The Phillies embarked on the design and construction of a new ballpark nearly four years ago, after a politically heated, drawn-out site review and selection process. Ground was finally broken for the as-yet unnamed facility in 2002. The ballpark is set to open for the 2004 season. Although the project encountered early difficulties with right-of-way issues, the Phillies are on track to have the stadium ready for opening day 2004. Mr. Stranix will present the many facets that go into building a successful sports venue and the many complexities faced and solved during the design and construction process.

John Stranix also managed the construction of the MCI Center in Washington, D.C. and continues as part of the project management team. He is presently managing the new Phillies spring training facility in Clearwater, Florida, the Jerusalem Arena in Israel, and the addition and renovation to the Corcoran Gallery in Washington, DC. During his presentation, he will explain and elaborate upon the keys to successful management of complex projects.



**Location Map for
HOLIDAY INN
Mall Boulevard,
King of Prussia, PA**



God Bless America!

Volunteers Needed - Engineering Management Technical Group

Volunteers are needed to help plan activities for the Engineering Management Technical Group. If interested, please contact co-chairmen **Bill Mulloy** at (215) 656-6583 or **Dennis MacBride** at (215) 568-6500.

TAYLOR WISEMAN & TAYLOR Sponsor of January 15th Meeting Company Profile

Since 1901, Taylor Wiseman & Taylor has been a respected provider of professional engineering and land surveying services to the Delaware Valley region. With offices in Pennsylvania, New Jersey and North Carolina, and a staff of almost two hundred, the firm is proud to be recognized as a leader in the civil engineering field.

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Resolve to attend ALL Section Meetings and Functions This Year!



THE PRESIDENT'S MESSAGE

Volunteering in Civil Engineering ("Voice")

Dear Fellow Members in ASCE,

I hope you and your family had a Joyous Holiday Season. My term, as your President, is two-thirds finished. However, many more Section program activities are scheduled for your participation. The Section has four monthly meetings before my term ends on May 2, 2003 when a new leadership is inaugurated. It seems as if it was only yesterday when I took the gavel from Past-President

Chris Rood. The Section's next President **Allan F. Moore, Jr.** is able and ready to lead the Section beginning in May 2003. I thank him so much for standing in my absence and representing the Section at the Joint Dinner meeting with the Society of American Military Engineers (SAME) on December 11, 2002.

I am pleased to report to you, that our membership is growing. I follow and read the membership roster on a monthly basis. Our Section is gaining new members every month more than the number of lost members. For all new members, I welcome them on behalf of the Section. I hope they find the ASCE an excellent Professional Society to associate with. Please let me or other officers know how the Section could be of help to you and how you can help the Section. The Section is always in need of volunteers in promoting its ongoing activities and programs. For members who opted to depart from ASCE for certain reasons, I wish them good luck and good health. They are always welcome to come back anytime and be part of this great Society. I was specially touched to see the names of my former students at Temple University as Associate Members and Students Members in the membership list. I am equally touched to hear from a former member, **Anthony J. Kelly, PE, AIA**, that he renewed his membership because of the many good works and deeds that our Section is doing for the Civil Engineering profession. I hope to hear and share with you more of this positive comment.

Speaking of growing, "The Philadelphia Section E-News An Alternative To The Mail Drive" is getting more and more attention from our members. The list of members who opted to receive a copy of THE NEWS is increasing steadily. We are approaching approximately 300 members taking advantage of this option by receiving their newsletter through e-mail. By doing this, you are receiving your copy of the newsletter quicker and most importantly you are helping our Section reduce the printing and mailing costs. If you have a computer capable of receiving the E-News, please consider this option by following the instructions noted elsewhere in this newsletter (see page 10). Special thanks to our Past-President **Thomas Branigan** for his untiring efforts in moving this drive smoothly. The Section continues to experience a number of returned newsletters due to undeliverable given addresses. Our goal is to minimize returned newsletters by making sure that the newsletters are delivered and received by you in a timely manner. Again, you can help meet this goal by contacting the National ASCE of your new and accurate address.

In closing, one of the many goals of the Section is to promote the ASCE and the Civil Engineering profession to the public through community outreach and services. On **December 20, 2002**, in celebration of the holiday season, I was honored to represent the Section along with the Electricians Local Union No. 98 in donating toys to The Children's Hospital of Philadelphia, Child Life and Education Department.

Think VOICE.

Sincerely,
Ruben D. David, P.E., President
Philadelphia Section, ASCE

THANKS TO OUR SPONSORS

We have expanded our Section Sponsorship program this year. Many of our local firms have responded to this. These firms have made the commitment and their business cards are included in the pages of THE NEWS.

If your firm has not already decided to become a Section Sponsor, we hope you will review the many benefits available to our sponsors, and we welcome your support. We are sure you would like to see your firm's card along with the others in THE NEWS.

To those of you have decided to become a Section Sponsor, we offer our collective "Thank You", and we look forward to your continued support. This support helps the Phila. Section provide our various activities and programs for our membership. This indirectly helps our community as well, as we continue to expand our outreach programs to "spread the word" as part of our VOICE (VOLunteering In Civil Engineering) effort.

Various benefits are available to your firm as a Section sponsor. Your business card appears in THE NEWS, and this remains the most visible evidence of your support. If you have attended any of our Section meetings thus far, you have also seen our poster with your logo on it prominently displayed in the meeting room.

Several of you have taken advantage of the Meeting Sponsor opportunity available to Section sponsors. As such, you are welcome to bring company representatives, literature, displays, handouts, and "give-aways" at a specific meeting at which your firm will be featured. If you have not yet signed up to sponsor an upcoming meeting, and would like to do so, please let us know. We have four Section meetings remaining this season and not all have been slated for sponsors.

You are able to place two employment want ads on the Section website during the season, free of charge. Again, if you require this service, we can offer it to you.

You are eligible for two free dinners at any
(Continued on Page 6)

SECTION WEB SITE!

Our Section's web site has taken on a new look! Check us out at www.asce-philly.org. Make sure you bookmark this site to check on our latest meetings and events, links and much more! Comments and/or suggestions? Please contact us either via our Electronic Message Hotline at 1-800-461-4190 (24 hours a day) or e-mail at info@asce-philly.org.

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**COPY DEADLINE FOR
JANUARY 2003 ISSUE
JANUARY 15, 2003**

YOUNGER MEMBER FORUM NEWS

by Michael McAtee, P.E.
Forum Editor and Vice President 2002-03

Younger Member Forum

Kristen Bowman, PE, 2002-03 President

Flow Science Incorporated
Two Penn Center, Suite 200
Philadelphia, PA 19102
(215) 854-6445
kbowman@flowscience.com

The Younger Member Forum (YMF) membership includes college students, recent graduates, and young engineers including registered Professional Engineers who are 35 years of age and under. The objectives of the Group are: 1) to provide networking opportunities, 2) to interact with schools and the general public to promote Civil Engineering and 3) to enhance career development.

Young engineers or college students who would like to become part of the YMF and to be added to the announcement list, please contact **Alyson Lester**, Urban Engineers, Inc. at secretary@ymfphilly.com or at (215) 922-8080. There are no fees to join!

Recent Accomplishments

On **December 18, 2002**, the Younger Member Forum held a Pool Tournament and Happy Hour at Buffalo Billiards in Old City. It was a great chance to kick back and relax during the hectic holidays! Prizes were given out to all of the participants. Many thanks to **James Markham**, Pennoni Associates, for handling all of the arrangements for this popular event.

On Saturday, **November 9, 2002**, the YMF organized another successful volunteer event with the Friends of the Wissahickon (FOW). The region's younger engineers came out in full force to spend a beautiful autumn morning maintaining trails in Fairmount Park for hikers (see photo, page 6). The FOW provided the tools and guidance, the YMF brought the snacks and beverages, and fifteen YMF volunteers supplied the hard work and effort that was required to get the job done! The task at hand this time was the removal of the Yellow-leafed Norwegian maples that were encroaching on the native vegetation along the trails near Lincoln Drive. The YMF has been volunteering with the FOW for several years and each event has been a special way to improve this natural treasure. Thanks to **John Federico**, Urban Engineers, for organizing this successful event!

A week later, on Saturday, **November 16, 2002**, the Philadelphia YMF joined up with the Younger Member Group of the Lehigh Valley Branch for a morning tour of the D.G. Yuengling and Son Brewery in Pottsville, PA. This popular event attracted 52 young engineers from the area. Many thanks to the Lehigh Valley Branch's **Greg Kuklinski**, Alfred Benesch & Company, for making this event possible!

Upcoming Events

MARK YOUR CALENDAR! The Younger Member Forum is planning the Seventh Annual YMF Winter Social! The Winter Social is the

YMF's most popular and well-attended event of the year. This is a great opportunity to network, catch-up with friends, and meet other YMF members from the area. The event will be held on **Thursday, January 9, 2003** from 6:00PM to 9:00PM at **McGillin's Olde Ale House**, 1310 Drury St., Center City Philadelphia, (215) 735-5562. Attendance is free of charge and an optional open bar with top-shelf micro-brews will be available for only \$7 per person! An ample buffet dinner will also be provided. As always, the festivities will include our infamous raffle. Local firms have been extremely generous in donating prizes, which range from dinners at high-class restaurants to mall gift certificates. This year, all of the raffle proceeds will be donated to the Greater Philadelphia Food Bank, an organization that supplies 800 local charities with food and supplies. We will also be holding a canned food collection, which will be sent to the Food Bank. To RSVP, please send an email to RSVP@YMFPhilly.com. We hope you can join us for this lively event!

The YMF College Outreach Program Panel will be going to Drexel University on **January 22, 2003** to speak about issues on the job market, professional licensing and graduate studies. If you would like to be part of the panel and share your knowledge with the Engineers of the future, please contact **Tom Brady** at tbrady@vollmer.com or at (610) 444-6522.

The Drexel University ASCE Student Chapter is hosting the next Penn-Delaware Regional Conference on **April 25-26, 2003**, in Doylestown, PA. The Conference includes the Regional Steel Bridge and Concrete Canoe Competitions, a Balsa Wood Bridge Competition, several other design competitions, and a Student Chapter business meeting. The YMF will be assisting with several events in order to increase the practitioner-student interaction. We are looking for volunteers who would be interested in being judges for the Balsa Wood Bridge Competition. This event will be held on **Friday evening, April 25, 2003**. We may also need volunteers for the Concrete Canoe Competition or other competitions that will be taking place on Saturday. If you are interested in helping out or learning more, please contact **Kevin Aach**, Michael Baker Corporation, at kaach@mbakercorp.com.


Member Spotlight

The purpose of the member spotlight is to introduce a fellow YMF member to the Delaware Valley Engineering Community. **Frank Giovannone, Jr., EIT** is the co-owner of Giovannone Construction, Inc., a Conshohocken based construction firm.

Frank graduated from Drexel University with a BS in Civil Engineering in 1995. Upon graduation, he undertook the construction of his actual Drexel senior design project, which was a 10,000 square foot medical office building. Since then, his company has completed various industrial, commercial and municipal projects.

The firm has two main divisions: Construction and Development. The Construction Division headed by his brother and partner, Anthony, fo-

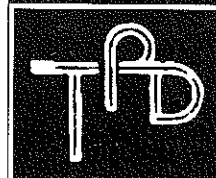
(Continued on Page 10)

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Are you interested in receiving the DVGI monthly newsletter? Add your name to our email list by sending your email address to Mr. Yongli Min, P.E., (yongli_min@urscorp.com) and you will begin receiving our newsletter in November 2002.

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**Philadelphia Section, ASCE
Younger Member Forum
WINTER SOCIAL**

DATE: Thursday, January 9, 2003

LOCATION: McGillin's Olde Ale House,
"Philadelphia's Oldest Pub" Est. 1860
1310 Drury Street, Philadelphia, PA
(215) 735-5562

TIME: 6:00 to 9:00 PM

FOOD: Hot buffet (penne and meatballs, roast beef sandwiches, buffalo wings), salads, appetizers, and non-alcoholic drinks will be provided for FREE!

COOL DRINK SPECIALS: \$7 per person for a wide selection of beers — Beamish, The McGillin Brew, Yuengling, Bud and Bud Light.

RAFFLE PRIZES: We have more sponsors than ever! Proceeds from the raffle will be donated to support the Greater Philadelphia Food Bank. Raffle tickets are \$2 each or 3 for \$5, so bring lots of \$\$\$\$\$\$ and WIN BIG!

CANNED FOOD COLLECTION: Bring your cans! We'll be taking up a collection.

CONTACT: For further information, or to RSVP, please email rsvp@YMIphilly.com by Monday, December 30, 2002. Please also specify whether you do or do not plan to partake in the \$7 drink special.

December Joint Dinner Meeting

(Continued from Page 5)

wrapped in geotextiles to contain implosion and to help pull the structure inward as failure occurred. The geotextiles also helped hold the detonation cord in place on the column faces.

Successful Operation - Minimum Damage to Adjacent Structures

Dr. Matheson noted that the implosion went as planned. The only reported problem was a total of five broken windows in adjacent buildings. The historic structures, railroad, and other neighboring facilities were unaffected. A series of still photographs was displayed to follow the sequence of demolition. The debris pile after implosion, predicted and designed to be no taller than 70 feet, was actually 21 feet in height.

Dr. Matheson showed a short video of the seismic activity that was monitored during the first minute of the implosion. It verified that seismic waves traveled throughout the city and actually followed some unusual patterns, but with no net effect on any structure or feature in the Seattle area.

Question and Answer Period

A lively question and answer period followed. A wide area of commentary and questions about this gigantic project, which came off so successfully, well below predicted potential damage to surrounding close-quartered buildings and infrastructures. The audience inquiries were addressed forthrightly by our articulate, knowledgeable speaker. Messrs. May and Moore presented Dr. Matheson Gifts of Appreciation, on behalf of their respective Societies, for his outstanding presentation.

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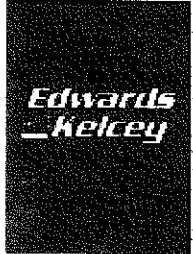
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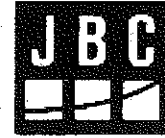
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DECEMBER JOINT DINNER MEETING

December 11, 2002

Philadelphia Airport Hilton Hotel

"The Seattle Kingdome Implosion"

By Bob Wright, Staff Writer and Sid Robin, Editor

Resuming a long tradition of past years, the Philadelphia Section, ASCE and Delaware Valley Chapter, Philadelphia Post, Society of American Military Engineers (SAME), held a Joint Dinner Meeting at the beautiful Philadelphia International Airport Hilton Hotel, on December 11, 2002. The meeting was well attended by members and guests of both Societies. The subject was: "The Implosion of the Seattle Kingdome Stadium," and Principal Speaker was **Dr. Gordon Matheson, P.E.**, President, Schnabel Engineering Associates.

The meeting was capably co-chaired by **Thomas G. May, P.E.**, President of the Delaware Valley Chapter, SAME, and **Allan F. Moore, Jr., P.E.**, President-Elect of the Philadelphia Section, ASCE, substituting for President **Ruben D. David, P.E.**, who was on vacation and unable to attend. Mr. May introduced officers and members of SAME, and made announcements of interest to his organization. Mr. Moore announced items of importance to the Philadelphia Section members.

Schnabel Engineering Associates Sponsorship

The meeting sponsor was Schnabel Engineering Associates, who generously provided delicious hors d'oeuvres during the cocktail hour. A Schnabel poster with company photographs and illustrations was on display in the meeting room.

Urban Engineers Honored by National ASCE

Philadelphia Section President-Elect and Co-Chair of the December meeting, Allan Moore, paid tribute to Urban Engineers, Inc., which recently received the National ASCE Committee on Younger Members 2002 Employer Recognition Award for the firm's enthusiastic support of Younger Members activities. Allan's tribute was acknowledged with thanks by Urban Affiliates in the audience. Urban Engineers, Inc., based in Philadelphia, PA, is one of the most renowned Civil Engineering Multidisciplinary Firms in the United States. (See separate article on the Urban Engineers Award elsewhere in this issue of THE NEWS).

Allen Cadden Introduces Speaker

The evening's speaker, **Dr. Gordon Matheson**, President and Chief Executive Officer of Schnabel Engineering Associates, was introduced by **Allen W. Cadden**, Manager of Schnabel's West Chester office, former Board Member of the Phila. Section, ASCE, and Liaison of the Delaware Valley GeoInstitute (DVGI).

Dr. Matheson explained Schnabel's role on the Seattle Kingdome demolition team. The firm of Controlled Demolition, Inc. (CDI) was the prime contractor, with several subcontractors. Schnabel was brought onto the team to monitor vibrations and seismic activity as well as to perform several geotechnical tasks.

Stadium Evolution Described

Dr. Matheson presented a brief background

and history of the King County Stadium, more familiarly known as the Kingdome. It was completed in 1974 at a cost of \$67 million, which was relatively cheap for a project of its magnitude. It is a domed stadium with a capacity of over 70,000 which can handle baseball and football games in addition to other events. It is located close to downtown Seattle.

Maintenance Problems Arise

The Kingdome became a maintenance headache over time. Roughly \$74 million in maintenance and operating costs were spent on it during its lifespan. Many problems developed, including the well-publicized ceiling tile failures, along with some not-as-well-known plumbing difficulties. King County, its owner, decided to cut its losses and demolish the Kingdome in the mid-1990's. It would be replaced with two separate arenas, one for baseball, which would feature a retractable dome (Safeco Field) and another for football (Seahawks Stadium). The football stadium was built on the same site as the Kingdome, while Safeco Field is only a few city blocks south of the Kingdome.

Demolition Obstacles to be Addressed

The dimensions of the Kingdome are 720 feet in diameter, 260 feet tall, and it weighs over 110,000 tons. The size of the facility more or less dictated the need for an implosion demolition, but this would present some difficulties. A busy trunk rail line, the main north-south line on the West Coast, carrying both passenger trains (Amtrak and local commuter service) and freight, runs immediately adjacent to the east side of the site. Several 100-year old historic buildings are located on the west edge of the site, with a newly-built conference center and Safeco Field on the south fringe. All of these would need to be protected.

Schnabel's Role in Seismic Studies and Vibration Effects

Dr. Matheson outlined how Schnabel would have to map out the vibration and seismic patterns related to any implosion forces. Several recent similar demolition efforts were reviewed and seismic information was plotted to see if there were similarities which would allow a less conservative approach to be taken. Schnabel developed modified criteria for allowable vibrations based on this and applied these criteria to the Kingdome demolition. An additional factor which had to be taken into consideration is the Seattle area's location on an inactive geological fault. However, several small earthquakes, as well as a more significant one which damaged the Washington State Capital building in nearby Olympia two years ago, have been measured along this fault in recent times.

There were some fears that vibration could affect both close-by structures as well as the entire metropolitan area. Schnabel would monitor a total of 16 sites for seismic activity related to the implosion. The USGS had planned to place addi-

tional 200 seismographs throughout the metro area for the same purpose.

Implosion Preparation and Sequences


Dr. Matheson gave the details of the implosion preparations. The dome would be segmented into six equal "pie slice" parts. Adjacent segments of the dome would not fall simultaneously but would be sequenced to fall within 15 seconds of each other. This worked well with the design of the dome. Its roof is a long-span structure held in place by an outer compression ring around the top of the stadium. Berms made of debris from the lower-level seating areas removed inside the dome would serve as cushions for falling debris to minimize impact. This "cushion" helped to allow the use of modified vibration dispersion criteria. The outer support columns of the dome were


(Continued on Page 4)

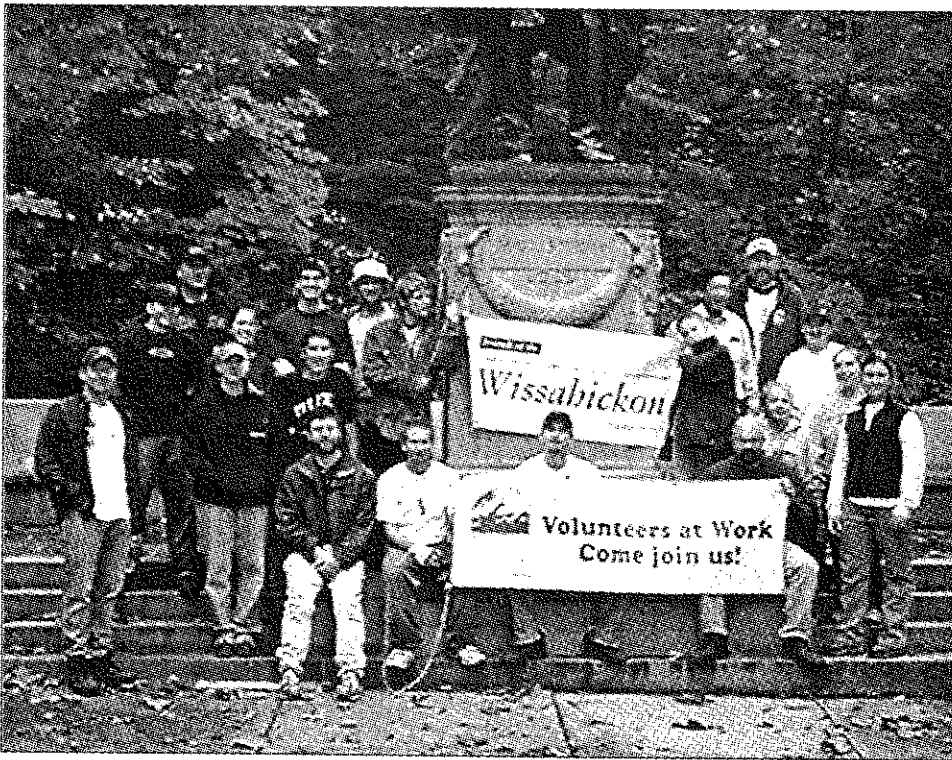
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	<p>TEMPLE UNIVERSITY A Commonwealth University College of Engineering Civil & Environmental Engineering Dept.</p> <p>Dr. Frederick C. Schmitt, P.E.</p> <p>1947 N. 12th Street Philadelphia, PA 19122 (215) 204-7724 Fax: (215) 204-6936</p>
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	<p>Schnabel Engineering Associates, Inc.</p> <p>Geotechnical Geosciences Environmental Construction Monitoring Water Resources</p>
<p>Visit us at http://www.schnabel-eng.com or call (610) 696-6066, West Chester, PA 15 Office from New Jersey to Georgia</p>	



Phila. Section, ASCE Younger Member Forum joins forces with the Friends of the Wissahickon in Fairmount Park on November 9, 2002 (See YMF News "Recent Accomplishments" for details).

FUTURE CITY COMPETITION 2003 JANUARY 25, 2003

The Delaware Valley Engineers Week Council is proud to host the 7th Annual Philadelphia Regional Future City Competition! Teams made up of 7th and 8th graders will work with their teachers and engineer mentors to:

Design a city of the future using Maxis SimCity 3000™ software; Build a working model of a portion of their city using recycled products; Write an essay about their city; Verbally present their city to a panel of judges from the engineering, planning, and architectural communities.

Last year, over 40 teams began the program and 36 competed at the regional level. We recognized the top six teams and sent the first place to the national finals in Washington DC where they placed an impressive third. Additionally, each team received at least one special award.

We need many volunteers for the following opportunities:

Mentors: Engineers or engineering students needed to advise the student groups throughout the competition provide input and technical assistance, and share your real-life experiences. You will chose a school close to where you live or work. Approximate commitment: 35 hours, September – January.

Judges: Engineers or engineering students needed to judge the team's electronic cities, essays and model/presentations. Approximate commitment: 12 hours, November – January.

Competition Support: Volunteers needed to keep the competition day running smoothly including registration, team escorts, security, timers, and award distribution. Approximate commitment: 10 hours.

Steering Committee: Are you interested in helping to find volunteers, fund raising, and making the program a success? For further information, please call, fax, or email: **Jennifer Wetzel**, telephone (215) 573-3935 or fax (215) 746-6606; jwetzel@pobox.upenn.edu or volunteer@futurecityphilly.org.

SCHNABEL SPONSORS DECEMBER 11, 2002 JOINT MEETING

Company Profile

Schnabel Engineering Associates, Inc. was founded by James Schnabel in the mid 1950s. Since that time the firm has grown to 260 people and occupies 14 offices in seven states. Schnabel has always been, and continues to be, specialized in the area of geotechnical engineering and the geosciences. Additional specialized services in the past 15 years, including dam engineering, wetland sciences, and water supply planning, have been added. There are six soils and materials laboratories with our corporate laboratory located in Blacksburg, VA. There we employ 70 professionals whose knowledge and skills are supported by professional licenses and certifications in their fields of practice. Schnabel is an employee owned, client oriented business whose aim is to exceed client expectations wherever possible. Schnabel received the Outstanding Engineering Achievement Award in 2002 from the Delaware Valley Chapter of the PSPE.

URBAN ENGINEERS, INC. HONORED BY NATIONAL ASCE

On behalf of the American Society of Civil Engineers, the Committee on Younger Members (CYM) has acknowledged **Urban Engineers, Inc., Philadelphia, PA**, as a recipient of the 2002 Employer Recognition Award.

The Employer Recognition Program was a result of the ASCE Strategic Plan, which called for the establishment of a program to recognize and acknowledge employers who support younger member participation in ASCE activities. CYM has been given the responsibility of implementing the Employer Recognition Program.

Based on information supplied through the nomination form, CYM feels that Urban Engineers, Inc. should be recognized for its encouragement and exemplary support of Younger Member involvement in ASCE activities. The Certificate of Recognition expresses ASCE's gratitude for this employer's continued support of Younger Member activities.

Urban Engineers, Inc. will be among the names of the Employer Recognition Award recipients that will be published in *ASCE News*. The Certificate of Recognition is signed by ASCE National President Tom Jackson, and will be formally presented to the firm at a future Phila. Section Meeting.

Urban Engineers, Inc. Responds

Urban Engineers, Inc. is honored to receive this prestigious Employer Recognition Award from the ASCE. We truly understand and encourage the growth and development of our younger staff members since they represent the ultimate future of our company and more importantly, the future of the built environment. Without such a commitment, Urban could not have achieved its growth in terms of young talent and future leaders of our profession.

To further support our recognition to our employees, and in particular, our younger employees, Urban has become an Employee-owned company. This undertaking will yield tremendous benefits as our younger employees become more experienced and involved with company management.

Thanks

(Continued from Page 3)

Section meeting during the season, not including the Spring Social. And, speaking of the Social (it is literally right around the corner, **May 2, 2003**), your business card ad will be included in the event program for our annual Spring Social and Dinner Dance. This year, the Social will highlight our 90th Anniversary.

We hope this reminder is useful for you, and we hope you will take full advantage of the benefits your firm has as a Section sponsor. We thank you for your continued assistance and generosity in this regard.

PHILA. SECTION 2003 AWARDS PROGRAM NOMINATIONS NOW OPEN!

The Section's Award program is now open for nominations. These Awards recognize Philadelphia Section, ASCE members and others for their contributions to the Civil Engineering profession. All Awards will be presented at the Spring Social/Dinner Dance, which will be held on **Friday, May 2, 2003** at the Sugarloaf Conference Center in Chestnut Hill, PA. (More information on the Spring Social will be included in upcoming issues of THE NEWS.)

GUIDELINES/RULES

- Nominations must be postmarked by **Friday, February 7, 2003** or faxed to the Awards Committee Chair by the close of business that day. 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.
- 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, ASCE 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.

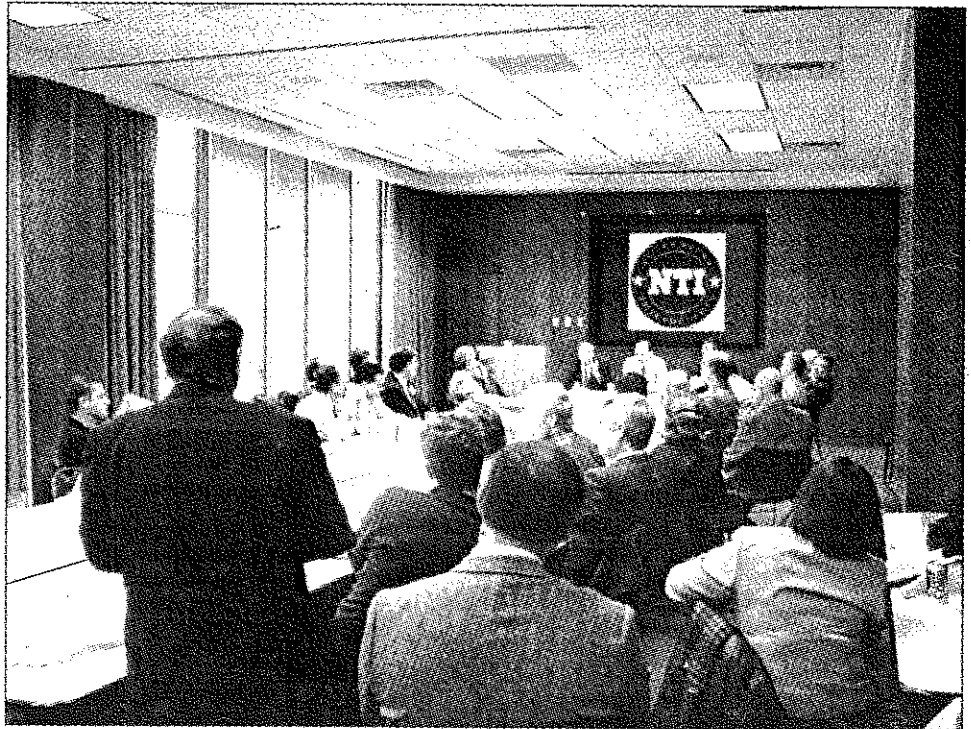
AWARDS

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



The Engineering Management Technical Group of the Philadelphia Section, ASCE held a joint luncheon meeting on December 18, 2002 with the Engineers' Club of Philadelphia. The topic was Philadelphia's Neighborhood Transformation Initiative (NTI), which was presented by Mike Griffin of Hill International, Lance Rothstein of City's Capital Program Office and Kevin Switala of Gannett-Fleming.

If you are interested in submitting a nomination for consideration, please contact **Bob Wright**, Committee Chair, at (215) 686-5538; e-mail to robert.wright@phila.gov 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.

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ENGINEERS WEEK IS COMING!

The 2003 celebration of Engineers Week will take place from **Friday, February 14 to Saturday, February 22, 2003**. As you may be aware, Engineers Week is held in February each year to highlight the birthday of our nation's first president, George Washington, who supported extensive engineering and surveying activities throughout his military service. It is a time during which various engineering accomplishments throughout the nation are cited and honored. Locally, Engineers Week programs have been held since 1953, and these include the selection of the Delaware Valley Engineer of the Year, the Delaware Valley Young Engineer of the Year, and other honors.

Engineers Week's activities will kick off with the Proclamation Luncheon at the Union League on Friday, February 14. The 2003 Delaware Valley Engineer of the Year, **Robert Rodgers**, will be the guest of honor. The 2003 Delaware Valley Young Engineer of the Year candidates will be cited at a dinner on Wednesday, February 19. The culmination of the Week's events will be the Engineers Week Banquet at the Inn at Penn on Saturday, February 22. The Banquet will recognize the Engineer of the Year, the Young Engineer of the Year, the Outstanding Engineering Achievements in the Delaware Valley, the Outstanding Math and Science Teachers, Student Paper Contest winners, Scholarship recipients, and the winners of the local Future City Competition.

Tickets for these events can be obtained from the Engineers Club of Philadelphia (for more information, visit the Club's website, www.engrclub.org).

Proclamation Luncheon

Friday, February 14, 2003
11:30 AM reception, 12 Noon lunch
Union League, 140 S. Broad Street
Tickets \$30 each

Delaware Valley Young Engineer of the Year Dinner

Wednesday, February 19, 2003
5:30 PM reception, 6:15 PM dinner
Williamson's Restaurant, Belmont and City Avenues (GSB Building), Bala Cynwyd
Tickets \$35 each

Engineers Week Banquet

Saturday, February 22, 2003
6:00 PM reception, 7:00 PM dinner
Inn at Penn, 3601 Walnut Street
Tickets \$50 each

Several Section members have been honored as Engineers of the Year and Young Engineers of the Year. These include, most recently, the 2002 Engineer of the Year, **Edward D'Alba**, and the co-recipient of the 2002 Young Engineer honors, **Carol Martsoff**. The Section is additionally well represented on the Delaware Valley Engineers Week Council, which coordinates Engineers Week activities locally.



Dr. Richard E. Woodring (seated-center) joined by his wife, Marie (at his right), Phila. Section, ASCE Past-President Sandra May, South Jersey Branch President Soheila Rabbari, Section Director Karen Anne Riley, Past President Joseph Syrnick and President Ruben David at his induction as Honorary Member of the ASCE held on November 6, 2002 at the National Conference and celebration of its 150th Anniversary in Washington, DC.

NEW MEMBERS

The Philadelphia Section, ASCE welcomes the following new members:

Reece Wengenroth, Noble McHugh, David Campbell, Peter Bjornberg, Stephen Cheney, Brian McGlynn, Joseph Cuilla, Emily Parkany, Jill Cutler, Francis Mann, Yuen Ling Lam, Kristin Holmes, Andrew Van Schoon, Robert Lawrence, Jr., Timothy Wells, Josep Sancho, Hancock Matt, Eugene Wingert, Ricardo Baraldi, Caitlin Harvey, Elizabeth Dhamer, John Cleary, Irina Tsybas-Ellm, Megan Gould, Mahmoud Jardaneh, Andrew Mastin, Kathleen Halcovage, Stephanie Gilpin, Eric Heller, John McDonnell, Chelsea Cohen, Brandon Morrison, Colin Smith, Erik Beasley, Robert Liberatoscio, Ricardo Baraldi, Christine Baudier, Andrew Matthews, Thomas Cornell, Megan McDonnell, Michael Ilgas, Christopher McCallum, Dennis Stefanski, James Murphy, Michael Deitch, Nathan Brown, Courtney Meade, David Hughes, Scott Towler, Sean Maramba, Ying-Wen Hsieh, David Chang, Yachi Tsao, Roger Schmidt, Melissa Pysher, David Thuston, Brian Murphy, Gillian Nevin, Luong Tran, Elizabeth Grau, James Charles, Richard Zeigler, Alan A-K Pang, Eric Ho, Lisa Rio, James Guest, Joseph Legradi, Stephanie Pilipovich, Michael College, Allison Schultz, Yi-Rong Zhu, Gubbi Krishnappa, Sean Marzolf, Christopher Hofmann, Kishore Pattanaik, Heather Hammond, John Anderson, Jennifer Ayscough, Susan Tisdale, Monica Leary, Isaac Burstein, John Ross, Patricia Hoffman, Heather Eland, Laura Rosas.

**When you don't know
where you're going, any
road will get you there.**

HELP WANTED

The Phila. Section, ASCE, needs your help! Become a volunteer for a Section Technical Group or following committees (see list on page 10).

Administrative Committees: Awards and Prizes; Professional Practice/150th Anniversary; 150th Anniversary.

Standing Committees: Nominating; Humphrey Fund Trustees.

Special Committees: Bylaws; Audit; Membership; Diversity and Women in Civil Engineering; Government Affairs; History and Heritage; Program; Publications; Website; National Society Awards; Phila. Section Awards; Scholarships; Educational and Outreach; Public Relations; Community Services; Delaware Valley Science Fairs; Delaware Valley Engineers' Week; Salary and Benefits Survey; Annual Spring Social; Sponsorship.

For further details, please contact Section President **Ruben D. David** either by:

E-mail: ruben.david@phila.org

Rubenddavid2@juno.com

Phone: (215) 683-4477 or 1-800-461-4190

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On December 20, 2002, Philadelphia Section, ASCE President Ruben D. David joined the Electricians Local Union #98 represented by Jack Dershimer (second from left), in supporting the Children's Hospital of Philadelphia's Child Life and Education Department by donating gifts for the holiday season.

VILLANOVA AND PHILA. SECTION, ASCE COSPONSOR HEC-HMS SHORT COURSE

Villanova announces a short course on the Corps of Engineers Hydrologic Engineering Center's Hydrologic Modeling System. The course will be held on Villanova's Campus **January 8 and 9, 2003.**

Course Objectives: This course has been designed to familiarize the civil and environmental engineer with both the theoretical and practical aspects of using HEC-HMS Ver 2.2, the surface water hydrology computer model developed by the Hydrologic Engineering Center of the U.S. Army Corps of Engineers. HEC-HMS is the second of the Next Generation (NexGen) engineering software packages to be released by the Corps. HEC-HMS replaces HEC-1, much as HEC-RAS replaced HEC-2. Villanova offers training on both HEC-RAS and HEC-HMS.

Course Description: The course has been designed to familiarize the water resource professional with the computational and design capabilities of HEC-HMS. The course starts with a review of hydrology. After each new aspect of HEC-HMS is introduced, students will be given a problem to analyze on the computer under supervision of the course instructors. Students will use the most current version of the package on high speed microcomputers in Villanova's Computer Aided Classrooms. This facility allows interactive presentations of results. HEC-HMS is much more user friendly than the earlier HEC-1. Specialized

topics to be discussed will include stormwater management applications using curve number methodology, as well as Green and Ampt and Kinematic Wave. Theory and practical usage will be integrated to maximize understanding of HEC-HMS applications to real world design problems. Each instructor has more than a decade of extensive consulting, research, and academic experience with hydrologic models. Villanova provided feedback in the HEC-HMS development process. Course Instructors: **Robert G. Traver, Ph.D., PE** Assoc. Professor; **Ronald C. Chadderton, Ph.D., PE** Professor; and **Frank E. Falcone, PE, Assoc. Adj. Professor, Director, IEER**

Course Specifics: Each course participant will receive the latest HEC-HMS software, program documentation and course notes. The program software is not copy protected. 2.0 CEUs will be awarded. The course will begin on **Wednesday, January 8, 2003** at 8:30AM and will finish Thursday at 4:30PM. A reception will be held at the end of class on Wednesday. Enrollment is limited. further details may be found on Professor Traver's webpage: www87.homepage.villanova.edu/robert.traver.

Contact: **Linda deAngelis**, Institute for Environmental Engineering Research, Room 139 Tolentine Hall, 800 Lancaster Ave., Villanova, PA 19085. tel (610) 519-4358; fax (610) 519-6754.

Failure is the opportunity to begin again, more intelligently.

—Henry Ford

Section Profiles

Ruben D. David Section President

Ruben is a member of the ASCE since 1977. He was a recipient of the Phila. Section's 1993 Government Engineer of the Year. He was a Board member, Vice President and President-Elect of the Philadelphia Section.

Ruben is a civil servant for 26 years working in the capacity of a Project Director for Capital Program Office, City of Philadelphia. He is responsible for the administration and management of various architectural and engineering construction projects for fire, police prisons and public property departments and other special projects. He is an Adjunct Associate Professor at Temple University, College of Engineering. Ruben and his family live in Somerton, northeast Philadelphia with his wife, Rosemarie, and three children, Roseanne, Reginald and Raven.

Ruben is also very active serving in different capacities in other community and professional and non-profit organizations, such as Police Athletic League, Engineers Club of Philadelphia, Delaware Valley Engineers' Week Council, Asian Federation of Pennsylvania, Mayor's Commission on Asian Affairs, Somerton Civic Organization and St. Christopher Parish Community.

Editor's Note: A more detailed article and editorial on Ruben's Presidency will appear in a later edition of THE NEWS.

2003 ASCE/EWRI CONGRESS

The Chair of the 2003 ASCE/EWRI World Congress has invited Phila. Section, ASCE Past President **Chris Rood, P.E.**, (2001-02), to attend the upcoming Conference. The Environment and Water Resource Institute (EWRI) of ASCE is holding its 2003 World Congress on **June 23-26, 2003** in Philadelphia, Pennsylvania. The theme of the Congress is "*Protecting and Preserving Our Environment for the Future.*"

ASCE has been very active in highlighting both environmental and water resource issues through activities such as the Infrastructure Report Card. It has also been an early force in the effort to improve infrastructure security in the wake of last year's events. Both these themes will be built upon at the World Congress.

We already have a significant group of cosponsoring organizations, including the Army Corps of Engineers and the Ecological Society of America.

Place Your Business Card Ad Here!

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IMPORTANT! 2002-2003 MEETING NOTICES

MARK YOUR CALENDAR NOW! The dates of the Philadelphia Section, ASCE monthly meetings and social functions, are as follows: (Check each upcoming edition of THE NEWS for additional details, possible date and topic changes.) THIS IS A TENTATIVE LIST.

ALL DINNER MEETINGS (except as noted):

Cocktails – 5:30 pm; Dinner – 6:30 pm; Meeting – 7:30 pm

Students: All dinner and/or luncheon are at discounted price. If you prefer, you are welcome to attend all meetings after dinner or luncheon, at no charge.

Thursday, February 20, 2003 Joint Dinner Meeting with South Jersey Branch, NJ Section, ASCE • Wyndham Hotel, NJ • “One Year After 9/11” • Speaker, John J. Peirce • Temple University Night and Rowan University Night

Thursday, March 20, 2003 Joint Dinner Meeting with Delaware Valley Chapter, American Concrete Institute (ACI) and Women’s Transportation Seminar (WTS) • Union League • “SEPTA’s Vision” • Speaker, Faye Moore • Swarthmore University Night

Thursday, April 10, 2003 Joint Dinner Meeting with the Construction Management Association of America (CMAA) • Union League • “City Planning” • Speaker, Dr. Gary Hack • Widener University Night

Friday, May 2, 2003 The Phila. Section, ASCE Annual Spring Dinner Dance and Presentation of Awards • Sugarloaf Conference Center, Chestnut Hill, PA • Details to be announced.

THE PHILADELPHIA SECTION E-NEWS AN ALTERNATIVE TO THE MAIL

The Phila. Section, ASCE Board of Directors is currently exploring ways to reduce the Section’s operating expenses while continuing to provide a high level of service to the membership. One possible reduction method we are considering is to offer our membership the opportunity of receiving THE NEWS via e-mail vs. through the US Postal Service. If you opt for e-mail delivery, your copy of THE NEWS should arrive 7-10 calendar days ahead of the US Postal Service delivered version. E-mail delivery will not only be quicker than the current method, but it will save the Philadelphia Section considerable printing and mailing charges as well. Another advantage with an electronic version is that you can forward THE NEWS to others interested in our Section’s activities. E-mail receipt of THE NEWS will require downloading a free copy of Adobe Acrobat Reader 4.0 with receipt of your first edition of THE NEWS.

At this time we are providing members with a survey form to elicit their opinion of how they would like to receive THE NEWS in the future. **If we do not hear from you we will assume that you want the USPS option.**

- E-mail THE NEWS to me @ _____
- US Postal Service mail THE NEWS to me at home or at work
- E-mail and USPS mail THE NEWS to me at home or at work

Your e-mail address is necessary since we are updating our database and it will help us to better serve you. You can: call in your response to the survey at 1-800-461-4190 (24 hours a day); e-mail your response to us at info@asce-philly.org or mail your response to PO Box 58186, Philadelphia, PA 19102-8186.

Be sure to include your name, address, e-mail address(es), if applicable, and your ASCE Membership ID Number with your preference.

Younger Member Forum

(Continued from Page 3)

causes primarily on concrete construction projects such as structural concrete, equipment and building foundations and flatwork. The company also maintains all related excavation, site work and asphalt paving capabilities in-house. Frank heads the development division, which is currently working on an industrial park in South Jersey and residential projects in both Philadelphia and Montgomery Counties.

Frank has been an active member in ASCE since his days at Drexel and is also a member of the Home Builders Association. He enjoys snowmobiling in the winter months and traveling. He had the opportunity to visit Italy this summer and found it very rewarding both from a cultural aspect as well as from an engineering and construction point of view. He highly recommends the trip to Rome to all of his fellow engineers!