

# the news



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PHILADELPHIA SECTION

AMERICAN SOCIETY OF CIVIL ENGINEERS

P. O. Box 58186, Philadelphia, PA 19102-8186

Electronic Message Hotline: (215) 934-3639 (24 hours a day)

Vol. 70-5

## Our 84th Year

February, 1998

### FEBRUARY JOINT DINNER MEETING

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

## THURSDAY, FEBRUARY 12, 1998

HARBOR LEAGUE CLUB, Camden, NJ • See Location Map Below  
Cocktails - 5:30 p.m. • Dinner - 6:30 p.m. • Meeting - 7:30 p.m.

**SUBJECT: Schuylkill River Park and Bulkhead**

**SPEAKER: Elmore J. Boles, PE, PLS, President, Boles Smyth Associates, Inc.**

**SPECIAL FEATURE: SWARTHMORE COLLEGE NIGHT.** The ASCE Student Chapter, Alumni and Faculty of the Civil Engineering Department of Swarthmore College will be honored at this meeting. All Students, Faculty, and Alumni are cordially invited.

**RESERVATIONS MUST BE SUBMITTED BY FEBRUARY 6, 1998.** Cost is \$27.00 per person if paid at the door; \$2.00 discount (\$25.00) if payment mailed is postmarked by February 6, 1998; Students \$13.00. Send checks payable to the Phila. Section, ASCE, P.O. Box 58186, Phila., PA 19102-8186; or call the electronic Message Center: **(215) 934-3639** (Open 24 hours/day).

**Elmore Boles** will discuss the design and construction of the Schuylkill River Bulkhead and the design and development of the Schuylkill River Park which will extend Fairmount Park by over one mile from the Museum of Art to South Street.

**Elmore J. Boles, PE, PLS, President, Boles Smyth Associates, Inc.,** received his Bachelor of Science degree in Civil Engineering in 1955 and Master's in Civil Engineering in 1961, both from Drexel University. He has more than 40 years of diversified experience in Civil and Transportation Engineering and Urban Design and has had responsible charge of the engineering planning, design and construction supervision for many projects throughout the northeastern United States. Examples of these projects include: The East Market Street Transitway to facilitate intermodal connectivity and help rejuvenate the downtown commercial corridor of Philadelphia; The Howard Street Transitway in Baltimore, Maryland; The Central Business District Roadway Reconstruction in Stamford, Connecticut; Construction programming and erosion and sedimentation control operations for the Mid-County Expressway (I-476) in Delaware and Montgomery Counties.

In addition to his extensive working experience for public and private sector clients, Mr. Boles

*(Continued on Page 2)*

### TECHNICAL GROUP ACTIVITIES

#### Transportation Group and Younger Member Forum

##### March Joint Luncheon Meeting

**DATE: Thursday, March 5, 1998**

**LOCATION:** Conference Room C on the 16th Floor of the Municipal Service Building, Phila., PA

**TIME:** 12:00 Noon

**SUBJECT:** SEPTA's Schuylkill Valley Metro Feasibility Study

**SPEAKER:** Mr. James S. Fritz, SEPTA's Project Manager

**COST:** \$10.00; students half price

SEPTA's Schuylkill Valley Metro Feasibility Study is a study to determine the best mode and alignment for rail service in the 62-mile long corridor from Philadelphia to the Borough of Wyomissing via Norristown, Phoenixville, Pottstown and Reading. Its goal is to prepare cost, revenue and performance measures needed to evaluate the feasibility of the concept and to assemble the necessary documentation to advance the project to the Major Investment Study/Draft Environmental Impact Statement Stage by mid-1998. Slated to be completed in February 1998, this study has the joint sponsorship of SEPTA and BARTA (Berks Area Reading Transportation Authority). Mr. Fritz will discuss the complete study and the next step.

A buffet lunch will be served starting at 12:00 Noon with the presentation beginning at 12:30 p.m.

**Reservations are required and seating is limited to 50.** Please contact either **Chris Rood, P.E.,** Transportation Group Chairman at **(215) 580-7586** or **Steve Buckley,** Younger Member Forum Contact at **(215) 790-2310** if you have any questions and for reservations.

### Engineering Management Group

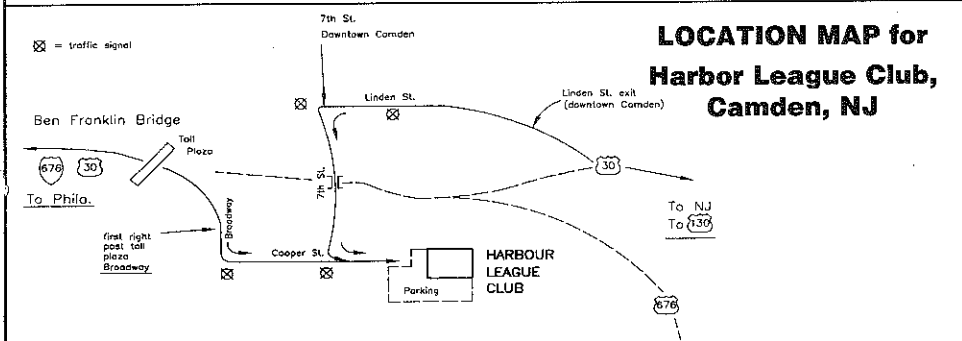
#### February Luncheon Meeting

**DATE: Tuesday, February 24, 1998, 12 Noon**

**LOCATION:** Municipal Services Building, 1401 John F. Kennedy Blvd., 16th Floor, Conference Room, Philadelphia, PA

**SUBJECT: "Continuing Professional Development"**

*(Continued on Page 2)*





## THE PRESIDENT'S MESSAGE

I have recently received from National Headquarters the ASCE 1998 PLAN. This is the implementation and strategies for 1998 of the Strategic Plan. There is an issue in the Plan that has stirred some controversy.

A Constitutional Amendment is recommended to expand the Board to allow six At-Large Directors selected by the National Board of Direction. I do not have any details on these proposed positions but the concern is who these directors will represent (Institutes?, Special interest groups?). My impression of At-Large positions is that they are political appointments and don't necessarily reflect the needs or views of the

members.

If the Districts are realigned to create six new Districts, which provide better representation of the Sections, then it's in the members' best interest. However an At-Large director may not have a constituency and would serve to dilute the voice of the Sections and their members. As it stands now the membership selects the District Directors through the Sections and the District Councils. What voice will we have with Board appointed Directors? When more information becomes available on these proposed positions we must look at it closely and then make sure that our voice is heard. The National Board has made changes over the past several years to establish a better conduit for the members to be heard, now is the time to put it to the test.

Since I am on a roll stirring things up, I will bring up another hot topic, Continuing Professional Development (CPD). There are a lot of strong feelings both for and against mandatory development and I will not use this column to voice my opinion on the subject, but I would like to bring something to your attention.

ASCE has a **VOLUNTARY CPD** and the write-up for the program gives an excellent description of what may eventually be required in Pennsylvania for Professional Registration. If you are unfamiliar with Mandatory Continuing Professional Development, I urge you to get a copy of ASCE's program to help you decide how you feel about it. Then I will once again ask you to make your voice heard either for or against, because you can make a difference.

One final note. We are always looking for members to become more involved in the Section and the extent of that involvement is determined by the individual who volunteers. If anyone is interested in helping out just a little or becoming a Phila. Section Board Member, please get in touch with me or any of our Board members. We have a great Section here and all of our volunteers have found it to be very rewarding.

Sincerely, Darin L. Gatti, P.E., President, Philadelphia Section ASCE  
 darin.gatti@phila.gov • (215) 686-5573

## February Joint Meeting

(Continued from Page 1)

has directed much effort to the advancement of the interests of the engineering community. These include active participation in the National Society of Professional Engineers and the American Society of Civil Engineers, where he served as Director of the Philadelphia Section, Chairman of the Student Chapter Committee and Chairman of the Urban Planning and Transportation Technical Group. In 1989 he was designated as Transportation Engineer of the Year by the Philadelphia Section of ASCE.

Mr. Boles has served as Associate Professor of Civil Engineering at Drexel University and as Visiting Professor at the University of Pennsylvania and continues as a visiting lecturer at both Drexel and Temple Universities.

## ASCE COMMITTEE MEMBERS NEEDED

The National ASCE's Task Committee on Engineering management and Business Practices is seeking corresponding members to help in promoting effective management, business and leadership practices and principles in the engineering profession. If you are interested in becoming part of a National Committee, send a letter and resume no later than **February 15, 1998** to: **Gretchen Hyde**, ASCE, 1801 Alexander Bell Drive, Reston, VA 20191-4400, Phone (703) 295-6000; Fax (703) 295-6444; Web: <http://www.asce.org>.

If you have any questions, contact **Dennis MacBride**, Chairman, Phila. Section, ASCE, Engineering Management Technical Group at (215) 580-7084.

## 1998 DELAWARE VALLEY SCIENCE FAIR

The Philadelphia Section will again be participating in the annual Delaware Valley Science Fairs. This year's fairs' judging day will be **Wednesday, April 8, 1998** at the Fort Washington Expo Center. As in the past the Section will be judging and subsequently presenting special awards. Our Section is looking for eight judges to participate with the Science Fairs needing approximately 500 judges. We are always looking for new judges.

For further information and/or to volunteer as a judge, contact Section Direction **Chris L. Rood**, P.E., at (215) 580-7586.

## Technical Group Activities

(Continued from Page 1)

**SPEAKER: Albert M. Tantala, P.E.**, President Tantala Associates

**COST:** \$10.00 (students & retired persons \$5.00)

Mr. Tantala is a member of the Commonwealth of Pennsylvania's State Registration Board of Professional Engineers, Surveyors and Geologists. He will discuss the Board's activities regarding Professional Engineers' responsibilities for maintaining registration through continuing professional development.

A buffet lunch will be served starting at 12:00 noon and Mr. Tantala's presentation will begin at 12:30 p.m. Seating is limited. For reservations, contact **Dennis MacBride** at (215) 580-7084 no later than **Tuesday, February 17, 1998**.

(Continued on Page 4)

### PHILA. SECTION, ASCE OFFICERS 1997-1998

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Bridge Division

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Philadelphia, PA 19102

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**COPY DEADLINE FOR  
 MARCH 1998 ISSUE  
 FEBRUARY 12, 1998**

## YOUNGER MEMBER FORUM NEWS

by Christopher Menna, Forum Editor

The Younger Member Forum (YMF) current membership includes college students, recent graduates, and young 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 please contact **Carol Martsoff**, Parsons Brinkerhoff at (215) 790-2319.

### Upcoming Events

The Student Conference for our six area engineering schools has been tentatively rescheduled for this Spring. If you are interested in participating in the Student Conference, or would like more information, please call **Yael Heller Jekogian**, President of the YMF, ARCADIS Geraghty & Miller at 215-752-6841.

### Past Accomplishments

The winning raffle ticket number drawn at the December Winter Social was 7685109. The winner was not present at the event. Please tell all of your friends and colleagues who bought tickets to check them. If you have the winning ticket, please call **Carol Martsoff**.

At the **January 14, 1998** Joint ASCE/ASHE meeting, **David Hanly**, Past President of the YMF, Frederic R. Harris was officially awarded the 1997 Philadelphia Section History and Heritage Award. He received this award for co-authoring the successful nomination of the City Plan of Philadelphia as an ASCE National Historic Civil engineering Landmark. Dave could not attend the original awards ceremony at the 1997 Spring Dinner Dance or the plaque dedication this past summer due to assignments overseas.

Our first meeting of the New Year was held on **January 20th, 1998** at the Municipal Services Building in Center City. A large group came out to listen to our featured speaker, **Joseph R. Syrnick, P.E., P.L.S.** Joe has been the Chief Engineer and Surveyor for the City of Philadelphia, Department of Streets, Bureau of Surveys and Design for the past twelve years and is the current Delaware Valley Engineer of the Year. Joe reiterated his vision to us, which focuses on professional leadership and engineering education. In addition, he shared some of his career experiences with us, both in government and in ASCE. We were most grateful to have such a special guest spend some time with us.

On **January 31, 1998**, several YMF members volunteered at the Third Annual Philadelphia Engineers Week Future City Competition. Specifically, **Christopher Menna**, Department of Streets, served as mentor and sponsored the Dobson School of Manayunk. The Dobson School's city was entitled "Dobson by the Sea."

The YMF sent a delegation of seven members to the 1998 Northeast Regional Younger Member Council, hosted by the National Capital Section YMF. As always, there was strong participation

## DECEMBER JOINT DINNER MEETING

Harbor League Club, Camden, NJ

### Hazardous Remediation Work

by Bill Richards, Staff Writer

December 10, 1997

A well-attended Joint Meeting of the Philadelphia Section, ASCE and the Philadelphia Post., Society of American Military Engineers (SAME) enjoyed a highly informative discussion of the subject: "Conducting Hazardous Work - Safely - With Innovation." Principal speaker was **Peter Ciotoli, P.E.**, Senior Program Manager and Vice President, Roy F. Weston, Inc., Manager, Designers/Consultants. The meeting was co-chaired by **Lt. Col. Robert B. Keyser**, President of the Philadelphia Post, SAME, and **Darin Gatti**, President of the Philadelphia Section, ASCE.

### Bill Richards Introduces Speaker

After preliminary business announcements by the co-chairmen of business pertinent to their respective organizations, **Bill Richards**, Philadelphia Section Past President (1995-1996) and Vice President of Roy Weston, Inc., introduced Mr. Ciotoli.

Mr. Ciotoli, in introduction, explained that, in a first-of-its-kind application, Roy F. Weston, Inc. (WESTON®) recently implemented an innovative solution to cover a landfill containing chemical, explosive, and incendiary munitions at Aberdeen Proving Ground (APG) in Edgewood, MD. Mr. Ciotoli, Vice President with WESTON, described a recent construction project which utilized remote-controlled or teleoperated equipment to build a landfill cover over a 5-acre hazardous

landfill. Mr. Ciotoli described this project as an example of "high hazard" remediation; a project whose hazards pose a direct threat to the safety of the workers or adjacent community.

### Member Spotlight

The purpose of the Member Spotlight is to introduce a fellow YMF member to the Delaware Valley Engineering Community.

**Heather Givey, E.I.T.**, is a Project Engineer employed by Sun Company in Philadelphia. As a Project Engineer, Heather manages the design and construction of multi-discipline capital projects at Sun's various facilities. Her responsibilities include design, quality, cost, and schedule of the project while ensuring job site safety and environmental compliance. Infrastructure that she gets involved with includes large pieces of refinery equipment, pipelines, and gasoline stations. Heather is currently managing twelve active projects. In addition, she is enrolled in Sun's Engineering Associate Program and is completing her second semester at Drexel University's MBA Program. In the past, Heather attended a Fluid Catalytic Cracking Seminar. She is active in ASCE and is a former ASCE Shimizu Corporation Paper Contest Winner. This paper was presented in Tokyo, Japan to the company executives and to Japanese politicians. Further, Heather is a past winner of the National Capital Section Scholarship Award. Her volunteer efforts include Habitat for Humanity and the Christmas in April Project.

### Project Location Posed Several Hazards

The project site that was described was Old O-Field at the Aberdeen Proving Grounds. The landfill, which is approximately five acres, was used by the Army from the early 1930s to the late 1950s to dispose of chemical, explosive, and incendiary munitions, contaminated equipment, and other hazardous wastes. Personnel and equipment are restricted from the surface of the landfill, without appropriate protection, because of possible ordnance detonation and its secondary effects, and subsidence of the landfill surface.

### Innovative Construction Methods

The initial phase of construction of the landfill cover involved the placement of 50,000 tons of sand directly on-top of the landfill. WESTON's approach for the safe and efficient placement of the initial sand layer, and for the removal of vegetation and large items from Old O-Field, employs teleoperated heavy equipment and end-effectors to ensure personnel safety and environmental protection while maximizing productivity and efficiency. The basic set of equipment includes: 1) a Caterpillar low ground pressure (LGP) 320, equipped with a bucket and Balderson thumb, that can be changed out with a tree removal attachment; 2) a Caterpillar D-6 LGP tracked-type tractor; and 3) a Rollogon LGP truck for hauling sand and transporting cut trees. Control of the teleoperated equipment will be from an environmentally controlled operations center trailer located in the staging area, with control data and video signals transmitted via radio frequency (RF) on government channels and at safe power levels (e. <5 watts). Each teleoperated vehicle has a dedicated control station and trained operator to allow for safe operations during multivehicle operations inside the perimeter.

The teleoperated Caterpillar 320 with bucket and Balderson thumb is employed to safely handle the removal of large items (such as drums and ammunition crates) at the perimeter of the sand placement area. During all remote operations at or inside the perimeters, safe stand-off distances for personnel are strictly enforced. Once the perimeter is cleared, an initial area inside the field will be cleared of standing trees using the teleoperated Caterpillar 320 with tree removal attachment operating from the perimeter road. Sand transported from the staging area will be dumped at a location outside the perimeter and pushed into place across the road and onto the initial cleared area using the remotely operated Caterpillar D-6. During this operation, and throughout the remainder of remote operations, the remote operator will have essential camera views of the machine and the work area, including an overview of the work

(Continued on Page 4)

## December Joint Meeting

(Continued from Page 3)

area provided by a relocateable site camera. From this site view, the operator can determine what other equipment, objects, or terrain features are in the area. Operators will also have the option of three-dimensional (3D) vision from the equipment for tasks requiring accurate depth cues, e.g., tree removal, and judging the edge depth of the sand face.

### Landfill Cover Avoids Costly Excavation

The landfill cover design was also described as unique. The innovative design was prepared by the U.S. Army. The landfill cover was referred to as a Permeable Infiltration Unit (PIU). The design objective of the PIU is to prevent ordnance exposure and reduce the risks to human health and the environment by reducing the flow of air to the surface and mitigating shock impulses. The PIU is a multilayer cover consisting of a minimum of five feet of sand and an erosion control layer. A subsurface trickling system and an air monitoring network detect any chemical agent releases and provide for future in-situ treatment of wastes. A self-activating sprinkler system, installed over the erosion-control layer suppresses release of chemical agents.

### Question and Answer Session

The first comment made to the speaker clearly indicated the appreciation for a "high-tech" topic. Mr. Ciotoli was questioned about the greater effectiveness in handling the remote control equipment. It was explained that even though the operations were stationed one mile from the site, they quickly mastered the challenge of relying on video monitors instead of their customary machine operation. Mr. Ciotoli also stressed that each "high-hazard" site poses a unique challenge, and consequently, a different approach to overcome site hazards.

Many interesting, diversified and probing questions from members of the audience were addressed by our distinguished speaker forthrightly and with clarity on this timely and important technology.

Col. Keyser presented Mr. Ciotoli the SAME token of appreciation for his outstanding talk.

## PENNONI PRESIDENT-ELECT OF ABET

**Clestino R. "Chuck" Pennoni**, founder, chairman and CEO of Pennoni Associates, Consulting Engineers, Phila. Section, ASCE Past President (1978-1979) and Past President National ASCE (1991-1992) was recently installed as President-Elect of the Accreditation Board for Engineering and Technology (ABET). Mr. Pennoni will be installed as President at the ABET Annual Meeting in Seattle in October 1998. ABET, founded in 1932 as the Engineering Council for Professional Development (ECPD) is a Federation of 29 engineering and technology

## Technical Group Activities

(Continued from Page 2)

### Engineering Management Group

#### May Luncheon Meeting

**DATE: Wednesday, May 13, 1998, 12:00 Noon**

**LOCATION: Municipal Services Building, 1401 John F. Kennedy Blvd., 16th Floor (Room To Be Determined), Philadelphia, PA**

**SUBJECT: "The Impact of Waterfront Development on the Greater Philadelphia Region"**

**SPEAKER: Mr. James Cuorato, Executive Vice President, Penn's Landing Corporation**

**Price: \$10.00 (students and retired persons \$5.00)**

## PHILA. SECTION LIFE MEMBERS TO BE HONORED

This year fourteen Philadelphia Section ASCE members will become Life Members of ASCE. These members will be honored at our March 12, 1998 meeting when we will present the Life Membership Certificates to them. A Life Member must meet all of the following criteria:

1. Be 65 years of age
2. Have paid dues for a minimum of 30 years
3. Years paying dues plus age must be at least 95.

Our Life Members for 1998 are:

Lawrence D. Anderson  
Lawrence V. Arata Jr.  
Jack W. Boorse  
Robert E. Chester  
Thomas P. Conlon  
David K. Erickson  
James E. Germain  
Geroge V. Hughes  
Robert M. Koerner  
Stephen A. McGlynn  
Anthony Mele  
Alan Newman  
H. P. Sibertsen  
William Wheeler

It is a great honor to achieve this status of life-long support of ASCE. We congratulate our new Life Members and extend our deepest appreciation to them for their years of support and service to the Society.

If you meet the above criteria and your names does not appear above, please call President **Darin Gatti** at (215) 686-5573.

organizations and is licensed by the U.S. Department of Education to accredit higher education programs in engineering, engineering technology and related degree granting programs. Mr. Pennoni also served ASCE as the District 4 Director, Zone 1 Vice President, and National President.

In addition to his accomplishments and contributions to ASCE, Chuck served as interim President of Drexel University in 1994 and has also recently been elected Chairman of Drexel's Board of Trustees.

## GOVERNMENT CIVIL ENGINEER OF THE YEAR AWARD

It is with great pleasure that I announce the nominations for the National ASCE Government Civil Engineer of the Year Award are now open.

The purpose of these awards is to recognize outstanding Civil Engineers in public service and to acknowledge the need to have creative and highly skilled individuals in government functions. Civil Engineers in government are often overlooked and deserve public recognition. The American Society of Civil Engineers is proud to sponsor this award, one of two awards given in recognition of outstanding Civil Engineering at all levels of government — Local, State and Federal.

I urge you to nominate individuals from your Section or Branch. In addition, your assistance is greatly appreciated in publicizing the awards program in your newsletter, at your Section or Branch meetings and wherever possible, to ensure outstanding and deserving nominees. Enclosed are nomination forms — please feel free to make additional copies of the nomination form for wider distribution.

I am sure you agree that recognition of the dedication and hard work of Government Civil Engineers is most urgently needed. Thank you for spreading the word about this honorable program. Please submit your completed nomination form to ASCE by **March 1, 1998** to the attention of **Gretchen Hyde**, Senior Coordinator, Professional Activities, ASCE, 1801 Alexander Bell Drive, Reston, VA 20191-4400, Phone (703) 295-6049 or 1-800-548-2723, ext. 6049 or fax (703) 295-6132.

Sincerely,

Kam Movassaghi, Chair, Committee on Engineering Management and Business Practices

## 1998 DELAWARE VALLEY ENGINEERS WEEK

February 20th – 28th

*Engineers... Turning Ideas Into Reality*

### Schedule of Events

#### Future City Competition

A challenge for middle school students to design the city of the future.

**Franklin Institute**, 20th Street & Ben Franklin Parkway

Saturday, January 31, 9 a.m. to 5 p.m.

#### Proclamation Luncheon

Union League, 140 South Broad Street

**Friday, February 20,**

Reception: 11:30 a.m. Lunch 12 Noon

- Engineers Week Proclamations
- Engineering Achievement Awards
- Engineer of the Year Address

#### Young Engineer of the Year Dinner

Engineers Club, Racquet Club, 215 S. 16th St.

**Tuesday, February 24, 5:15 p.m.**

*Presented by the Engineers Club of Philadelphia*

(Continued on Page 5)

## YOUNG GOVERNMENT CIVIL ENGINEER AWARD

It is with great pleasure that I announce that nominations for the National ASCE Young Government Civil Engineer of the Year Award are now open.

The purpose of these awards is to recognize outstanding Civil Engineers in public service and to acknowledge the need to have creative and highly skilled individuals in government functions. Civil Engineers in government are often overlooked and deserve public recognition. The American Society of Civil Engineers is proud to sponsor this award, one of two awards given in recognition of outstanding Civil Engineering at all levels of government — Local, State and Federal.

I urge you to nominate individuals from your Section or Branch. In addition, your assistance is greatly appreciated in publicizing this award in your newsletter, at your Section or Branch meetings and wherever possible, to ensure outstanding and deserving nominees. Enclosed are nomination forms — please feel free to make additional copies of the nomination form for wider distribution.

I am sure you agree that recognition of the dedication and hard work of Young Government Civil Engineers is most urgently needed. Thank you for spreading the word about this honorable program. Please submit your completed nomination form to ASCE by **March 1, 1998** to the attention of **Deborah Augustus**, Staff Contact, Committee on Younger Members, ASCE, 1801 Alexander Bell Drive, Reston, VA 20121-4400, Phone (800) 548-2723, etc. 6054 or email at [daugustus@asce.org](mailto:daugustus@asce.org).

Sincerely,  
Angela L. DeSoto, Chair, Committee on Younger Members

## ENGINEERS WEEK

(Continued from Page 4)

**Science and Math Teachers Workshop**  
Drexel University, Creese Student Center  
**Thursday, February 26**  
Workshop: 4 p.m. Dinner: 6:30 p.m.

**Engineers Week Banquet**  
Drexel University, Creese Student Center  
**Saturday, February 28**  
Reception: 6:00 p.m. Dinner: 7:00 p.m.

### Recognition of 1998's...

- Engineer of the Year
- Outstanding Engineering Achievements
- Young Engineer of the Year
- Outstanding Math and Science Teachers
- Undergraduate Student Papers
- Outstanding High School Student
- Future City Competition Winners
- MATHCOUNTS Winners

### What Is Engineers Week?

Engineers Week is held in February each year to recognize engineering accomplishments throughout the nation. In the Greater Philadelphia

## DELAWARE VALLEY CHAPTER AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION EXAM

Temple University will be presenting an evening course, Concrete Field Testing, on **Wednesdays, Feb. 4 through Mar. 4, 1998**. It will conclude with an optional certification examination for Concrete Field Testing Technician, Grade I, on **Saturday, March 7**. Contact **Professor Stephen Jochum**, (215) 204-7802, for information on the evening course.

If space is available, nonstudents will be accepted to take the examination only. This ACI chapter will conduct the performance and written examinations and submit the results to ACI National for grading and certification.

The examinations will cover: sampling of fresh concrete, (ASTM C172); slump testing (ASTM C143); testing for unit weight, yield, temperature, and air content (ASTM C138, C231, and C173); and the making and curing of test specimens (ASTM C31).

**DATE: Saturday, March 7, 1998**

**TIME:** Review and written examination — 8:00 am. Performance examination immediately following.

**PLACE:** Temple University, Engineering Building  
**FEE:** Both examinations, including workbook (required for recertification) Chapter Member, \$175; Nonmember \$200. Reexamination, written only — Chapter Member \$65; Nonmember \$90.

Applications will be accepted, in order, on the basis of postmark date. As soon as we know the number of spaces available, we will notify those accepted, with instructions. Checks will be returned to those for whom space is not available.

For full details, contact **Randy Cronin**, 2420 Britant Pointe, Lansdale, PA 19446-6525, (215) 631-9456. (Note: This is a new address and telephone number.)  
**Deadline: Friday, February 13, 1998.**

Region, Engineers Week programs have been held since 1953. The programs are sponsored by a coalition of engineering societies, government agencies, universities, and major corporations representing thousands of engineers.

The Goals of Engineers Week Include:

- To inform the community on the contributions engineers and technology make to the quality of life and the environment.
- To acquaint young people and guidance counselors with the opportunities and rewards of a career in engineering or science.
- To recognize exceptional engineering achievements, outstanding teachers and students, and a Young Engineer and Engineer of the Year.

### The Importance of Engineers Week

Engineers have helped build our nation since its founding. In fact our first president, George Washington, conducted engineering activities as a soldier and as a young man surveying and mapping wilderness territories. Today, engineers are essential for building and maintaining the systems that protect our health and safety, restore and protect our environment, make our factories runs, and contribute to our economic future.

## THE CERF CHARLES PANKOW AWARD FOR INNOVATION

### How it All Began

The CERT Charles Pankow Award for Innovation was established by CERF in 1996 to complement existing industry awards. It is designed to recognize organizations working to bring innovative civil engineering ideas into practice. The 1997 CERF Charles Pankow Award for Innovation emphasized collaboration and new building concepts, and was awarded in two categories for different types of collaborative, innovative research: Innovative Applications and Innovative Concept.

### The Innovative Applications Award

The Innovative Applications Award recognizes the contribution of an organization or collaborative team that demonstrates innovative approaches to design, materials use, or the construction process related to research and development that have been transferred into practice. To be considered a "team," the collaborative projects must involve representatives from at least two of the following three sectors: industry, government and academia.

The evaluation criteria include: collaborative research and implementation, the use of innovative technologies, and potential for global impact in the construction industry.

### The Innovative Concept Award

The Innovative Concept Award was designed to stimulate the development of original and creative concepts with real potential for application in practice. The 1997 Innovative Concept Award recognized one application of high-performance construction materials and systems: building envelope systems.

All 1997 Innovative Concept Award entries were submitted to the U.S. Naval Facilities Engineering Command for consideration for further development and application in a structure to be erected in Coronado, California. Any subsequent selection of technologies for said project will occur independently of CERF.

### The Future

Applications for the 1998 CERF Charles Pankow Award for Innovation are currently being accepted. The application submission deadline is **April 30, 1998**.

1998 Award winners will be honored at the 1998 CERF Global Innovation Forum and Awards Dinner in Washington, DC on **November 10, 1998**. The Forum will feature interactive industry seminars, keynote speakers, and much more.

For more information on the award or for 1998 CERF Charles Pankow Award for Innovation applications, please contact CERF. The Civil Engineering Research Foundation is affiliated with the American Society of Civil Engineers.

## ITEM IN LOST & FOUND

**REWARD! Lost Dog** — has three legs; blind in left eye; missing right ear; tail broken; recently castrated; answers to name "Lucky."

## JOIN THE SECTION'S TECHNICAL GROUPS

### Younger Member Forum

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## IMPORTANT! 1997-1998 MEETING NOTICES

MARK YOUR CALENDAR for the dates of the Philadelphia Section, ASCE monthly meeting and social functions, as follows: (Check each upcoming edition of THE NEWS for additional detail possible date and topic changes.)

### ALL DINNER MEETINGS (Except as noted)

Cocktails - 5:30 p.m. Dinner - 6:30 p.m. Meeting - 7:30 p.m.

STUDENTS: All dinner and/or luncheon charges one-half price. If you prefer, you are welcome to attend all meetings after dinner or luncheon, at no charge.

PLEASE NOTE CHANGES AND ADDITIONS FROM PRIOR ISSUES.

**Thursday, March 12, 1998** - Joint Dinner Meeting with Delaware Valley Chapter, American Concrete Institute (ACI) • "Fire Damaged Structures - The Meridian Building"  
Phila. Section, ASCE Past Presidents Night • Life Membership Awards • Temple University Night

**Thursday, April 9, 1998** - Widener University Night. Details to be announced.

**Saturday, April 25, 1998** - Reinforced Concrete Canoe Race and Model Steel Bridge Competition. Location and details to be announced.

**Friday, May 1, 1998** - Annual Spring Dinner Dance - Sugarloaf Conference Center, Germantown Avenue, Chestnut Hill, PA

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