

the news



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PHILADELPHIA SECTION

AMERICAN SOCIETY OF CIVIL ENGINEERS

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

Vol. 71-5

Our 85th Year

March, 1999

MARCH JOINT DINNER MEETING

Philadelphia Section, American Society of Civil Engineers
Delaware Valley Chapter, American Concrete Institute (ACI)

THURSDAY, MARCH 11, 1999

WILLIAMSON'S • GSB Building, City Line Avenue, Philadelphia, PA • See Location Map Below
Cocktails – 5:30 p.m. • Dinner – 6:30 p.m. • Meeting – 7:30 p.m.

SUBJECT: "Construction of the New Federal Detention Center"

SPEAKER: Elizabeth Dougherty Moore, Supervisory Contract Specialist, Federal Bureau of Prisons

SPECIAL FEATURES: Awarding of Phila. Section, ASCE Life Memberships
Phila. Section, ASCE Past Presidents Night

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.

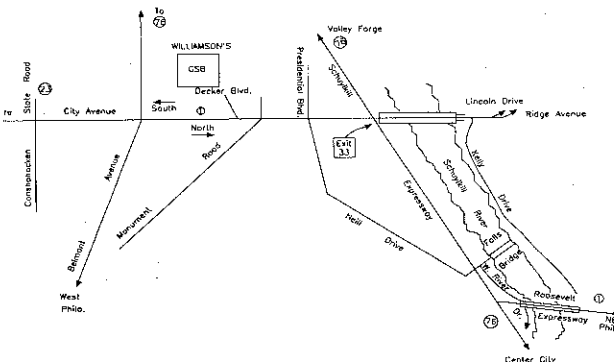
RESERVATIONS MUST BE SUBMITTED BY MONDAY, MARCH 8, 1999. Please send your check for the number of attendees @ \$25 per member or guest; \$13 ASCE Student Members, payable to the Phila. Section, ASCE, P.O. Box 58186, Phila., PA 19102-8186; or call the electronic Message Center: (215) 934-3639 (Open 24 hours/day).

A Tour of the Detention Center is Planned for the Afternoon of the March 11th Program. For information, please contact Mike Smith of Madison Construction Company at (610) 695-8800.

Designed by the firm of Ewing Cole Cherry Brott for the Federal Bureau of Prisons, the building is a 320,000 sq. ft. 12-story facility nearing completion of construction at 7th and Arch Streets, Philadelphia, PA. The facility is a short-term detention center, with 628 cells and supporting function areas.

Mrs. Moore's presentation will include – in addition to her personal background – key focal points of the Federal Bureau of Prisons: Project Planning; Project Staffing; (FBOP Staff Architect, Construction Manager); Contract Completion and Activation; the Process, Benefits and Savings of Partnering; and the Unique Aspects, Benefits and Savings of Concrete Construction. Slides will show construction progress photos.

(Continued on Page 2)



**LOCATION MAP for
WILLIAMSON'S,
GSB Building,
City Line Ave.,
Philadelphia, PA**

TECHNICAL GROUP ACTIVITIES

Geotechnical and Environmental/ Water Resources Group

(Combined Program for 1998-99)

LOCATION: Drexel University
Hill Conference Room,
LeBow Engineering Center
31st & Market Sts., Philadelphia
6:30 – 9:00 pm

CONTACTS: Dr. J.P. Martin, (215) 895-2363
Dr. S.C. Cheng, (215) 895-2996

March 2, 1999

Geosynthetics in Transportation/Geotechnical Applications; Dr. Robert Koerner, Drexel University

Structural Group

March Meeting

DATE: Tuesday, March 23, 1999, 7:00 PM

LOCATION: Hill Seminar Room, LeBow Engineering Building, Drexel University, 31st & Market Sts., Phila., PA

SUBJECT: "Academy of Music for the 21st Century: Overview of the \$30 Million Dollar Project"

SPEAKER: Dean Doukakis, P.E., President, Keast & Hood & Company, Structural Engineers

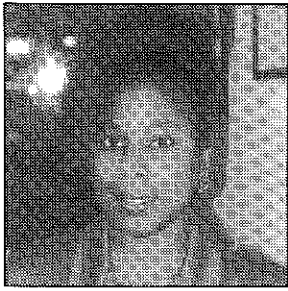
This will be an informal meeting with a presentation and a question and answer period. Dean will discuss the extensive structural work needed to preserve and enhance the Historic Academy of Music. Major work has been constructed, from new foundation to new roof trusses to new orchestra pit and more.

Dean's presentation will include both slides and a time-lapse video. Light refreshments will be served. If you would like further information, please call **Rich Roberts**, Chairman, Structural Group, at (215) 222-3000.

CIVIL ENGINEERING IS FUN!

The Philadelphia Section, ASCE, Educational Outreach Committee is embarking on a fun project this Spring! We are getting volunteers together to reach over a thousand students to let young minds know about the joys of our profession. So far we have over a dozen volunteers but

(Continued on Page 2)



THE PRESIDENT'S MESSAGE

Time is quickly ticking by with only two monthly meetings remaining. Time waits for no one and before you know it, it'll be May 7, 1999 and time for congratulating our awardees with a Brew Ha! Ha! flair. (We're going Irish, remember?)

Congratulations to the Section's nominees for the Delaware Valley Young Engineer of the Year Award. **Lucia Chan** was one of the co-winners and **Sean Markey, PE**, was one of the finalists. (See article on page 6.)

I'd like to take this moment to congratulate our Life Members who will be recognized and awarded Certificates at our March meeting. These members have reached the age of 65 and have paid dues in any membership grade for a number of years (at least 20) such that when added to their age the sum equals or exceeds 95. Congratulations Life Members for your dedication to ASCE!

I had the distinct honor of participating as a judge in the 4th Annual Philadelphia Regional Future City Competition on January 30, 1999. For those who missed the opportunity to see what our own children are doing here at home, you have a second chance. The Section will sponsor a mall exhibit at the Gallery I, located at 9th & Market Streets in Center City Philadelphia. For your viewing and listening pleasure (we encourage you to ask the students questions), almost half of the Future City models will be displayed from 10 AM to 3 PM. Please come out and support them in their efforts at communicating the theories behind their designs.

Perhaps you've noticed the Section's movement towards government relations. Members of the Board are "make it happen" people and we want to make it happen for you. I welcome the comments that have come into my office and I encourage more of you to call me with your views; especially those who are politically involved. Speaking of political involvement — did you know that ASCE has a Congressional Fellows Program which places a Civil Engineer on the staff of either the U.S. Senate or the House of Representatives? The recruitment process has just begun and the deadline for applications is April 2, 1999. See the inside article for details.

Sincerely, Sandra J. May, P.E.
President, Phila. Section, ASCE

March Joint Meeting

(Continued from Page 1)

Elizabeth Dougherty Moore is a native Philadelphian and career federal employee. She started working for the Drug Enforcement Administration in Philadelphia as a secretary in 1971. She then moved into an upward mobility Contract Specialist position with the Drug Enforcement Administration in Washington, D.C. in 1980.

In 1985, Mrs. Moore transferred to the General Services Administration in Philadelphia as a Construction Contract Specialist.

In 1987, Mrs. Moore joined the Federal Bureau of Prisons in Philadelphia as a Buildings and Facilities Regional Contract Specialist. She was responsible for the award and administration of all Architect/Engineer contracts for the Northeast Region.

In 1989, she was promoted to an Assistant Chief of the Construction Contracting Section in the Federal Bureau of Prisons.

Finally, in 1996, Mrs. Moore returned to her hometown as a Supervisory Contract Specialist at the Federal Detention Center site in Philadelphia. In this position, she also has management and oversight responsibilities for the Detention Center in Brooklyn, New York; a Federal Correctional Institution in Forrest City, Arkansas and one in Elkton, Maryland; and a United States Penitentiary in Inez, Kentucky. Some of these projects have been awarded as design-bid-build in the traditional method. Two of the projects have recently been awarded as design-build. All of the newer prison projects include partnering requirements.

Civil Engineering is fun!

(Continued from Page 1)

more engineering enthusiasts are needed. The committee has educational materials you can use including coloring books, comic books, posters and videos. We are asking volunteers to contact a school of their choice and coordinate a visit, preferably during a school career day, and then let the ASCE Educational Outreach Committee know so we can keep track of all the students we reach. If you'd like, to team up with another volunteer or are interested in speaking at a school, please contact **Dr. Faruq Siddiqui**, Section President-Elect, at (610) 328-8074 or **Paula Estornell** at (215) 686-5181.

PENNONI ASSOCIATES, INC. CIVIL/HIGHWAY ENGINEERS

Project Highway Engineers — must have current Pennsylvania P.E. registration. Responsibilities include the management of a team of highway engineers and technicians in several locations: Harrisburg area, Wilmington, Lehigh Valley, Wilkes Barre and Philadelphia. The candidate must be a motivated individual who is capable of directing multiple projects as well as performing technical tasks as required. Marketing experience is a plus.

Excellent salary and benefits including 401K/Profit Sharing Plan and Employee Stock Ownership Plan. Direct inquiries to **Pat Queribin** at (215) 227-3000.

CIVIL-CONSTRUCTION INSPECTION

Capital projects require Civil and Electrical/Power Field Inspectors as well as Construction Managers for long-term consulting positions. Immediate availability.

Resumes faxed to (215) 659-9211.
Steven F. Sonstein, Inc., 447 W. Moreland Road, Willow Grove, PA 19090. Phone (215) 659-1770. Ask for **Jim Moule**. E-mail: sfsinc@ix.netcom.com.

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**COPY DEADLINE FOR
APRIL 1999 ISSUE:
MARCH 11, 1999**

YOUNGER MEMBER FORUM NEWS

by Christopher Menna, Forum Editor

Upcoming Events

The YMF will take part in a social at Drexel University on **Wednesday, March 10, 1999**. YMF members, Drexel alumni, and Section members are encouraged to participate. For more information on this activity, please contact **Christina Berardi**, NTH Consultants, at (610) 524-2300.

Our next monthly meeting will be jointly held with the South Jersey YMF on **Monday, March 22, 1999**. The South Jersey meeting location and subject are to be announced. For details about this event, please contact **Carol Martsoff** at (215) 790-2319.

Now is your time to help lead the YMF into the next millennium and make your ideas happen. April is election month. The YMF is currently seeking nominations for the positions of President, Vice-President, Secretary, Treasurer, Vice-President for College Contacts, Vice-President for Technical Groups, and Vice-President for Community Service. All posts are for one-year terms. The time commitment is manageable and rewarding. Nominations may be given in advance to **Carol Martsoff** or at one of our upcoming meetings.

Younger Members will again participate at the National Trailwork Volunteer Day at Wissahickon Park in the northwest section of Philadelphia on **Saturday, June 5, 1999**. This will be an excellent opportunity to do something rewarding in an outdoor environment and to work alongside other groups. If you would like to participate, please contact **Chris Menna**, Streets Department at (215) 686-5070.

Past Accomplishments

On **Tuesday, February 16, 1999**, the YMF jointly held a meeting with the Villanova University ASCE Student Chapter. The meeting took place on Villanova's campus. The featured speaker was **Philip E. Gauffreau, P.E.**, Project Consultant for NTH Consultants in Exton. Mr. Gauffreau gave an interesting presentation, entitled "*Sinkholes on Your Construction Projects.*" A special thanks goes to Mr. Gauffreau for his participation and to **Christina Berardi** for coordinating the meeting arrangements.

Still another Joint Meeting took place on **Tuesday, February 23, 1999** at at the PECO Energy Building. The Engineers Club of Philadelphia and the YMF sponsored the Third Annual Younger Engineers' Forum. The theme of the event was "*Critical Issues Facing Young Engineers.*" The featured guest was **Lawrence M. Moy, P.E.**, Streets Commissioner for the City of Philadelphia and the 1999 Delaware Valley Engineer of the Year. We were honored to have Mr. Moy as our distinguished guest. Special thanks goes to **Sandra May**, President, Phila. Section, ASCE and to **John Arsky**, President, YMF, Parsons Brinckerhoff, for making this regular event happen.

Member Spotlight

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

FEBRUARY JOINT DINNER MEETING

February 11, 1999

Harbor League Club, Camden, NJ

Update on the Phila. Naval Business Center

By Bob Wright, Staff Writer

An excellently attended Joint Meeting between the Philadelphia Section, ASCE and the South Jersey Branch, New Jersey Section, ASCE took place at the beautiful Harbor League Club on February 11, 1999. The excellent, articulate principal speaker was **Robert G. Gorgone**, Business Manager for the Incubator at the Philadelphia Naval Business Center, presented an update of developments at the former Naval Base. Mr. Gorgone was a last-minute substitution for the originally scheduled speaker, **Julie Van Nostern**, Senior Vice President, The Philadelphia Industrial Development Corporation, who was called away on urgent business.

The meeting was co-chaired competently by Phila. Section President **Sandra J. May, P.E.**, and **Alan Sleeper, P.E.**, President of the South Jersey Branch.

Widener University and Temple University Night

The meeting honored the ASCE Student Chapters, Students, Faculty and Alumni of Widener and Temple Universities' Civil Engineering Departments. Widener University ASCE Student Chapter President **Shawn Pressley** thanked his hosts for their invitation and introduced his fellow officers and other officials of the Department in attendance: Vice President, **Susan Giannantonio**;

Michael Carnivale, III, E.I.T. is a Geotechnical Engineer in the Design Branch of the U.S. Army Corps of Engineers, Philadelphia District. Michael has worked on several beachfill projects for the State of Delaware in the towns of Bethany, South Bethany, Dewey, Rehobeth, and Fenwick Island. His responsibilities included conducting borrow area investigations, performing laboratory testing, and doing beachfill suitability analyses. In addition, Michael has managed and conducted extensive subsurface investigations at several Federally owned dredged material containment facilities in the Tri-State region. These areas are used for dredged spoils from projects such as the proposed deepening of the Delaware River Main Channel, and periodic maintenance dredging of the Delaware, Schuylkill, and Christiana Rivers. Still further, Michael is responsible for designing dike raising for certain areas, including the Wilmington Harbor South Disposal Area. He is currently looking at the redevelopment and possibly ground modification of the Logan Section of Philadelphia which has suffered high amounts of differential settlement due to the presence of ash and cinder fill. A 1993 Drexel University graduate, Michael anticipates to complete his Masters Degree from the University of Rhode Island in 1999. Michael has been very active in the Concrete Canoe Competition over the past few years. He has served as the Technical Advisor to Drexel University and helped to guide them towards their eleventh place finish in the 1998 National Competition.

Treasurer, **Pete Cappelli**; Student Members **Kody Gildner** and **Chris Palazzi**; Dean, **Dr. Fred A. Akl**; Department Chair, **Dr. Charles Bartholomew**; and Faculty Member, **Dr. Vicki Brown**.

Mr. Pressley reviewed highlights of the Student Chapter's busy agenda, which included many and varied competitions, both technical and sports-oriented; and research and laboratory scholastic activities.

Temple University

Phila. Section Board member, **Dr. Philip Udo-Inyang**, Student Chapter Faculty Advisor and recently appointed Chairman of the Civil Engineering Department at Temple, recognized the sizable turnout of students, alumni and professors in attendance. He summarized current and planned programs for expansion and broadening of the Civil Engineering curricula at the Department.

Temple's ASCE Student Chapter President **Eric Oberle** thanked the ASCE hosts for their courtesies and introduced his fellow officers: Vice President, **Chris Herman**; Secretary, **April Yorkonis**; Treasurer, **Doug McInnes**; Steel Bridge Committee Chair, **Peter Gergo, III**; Concrete Canoe Committee Chair, **Jeff Ogborn**.

Eric described the Chapter's involvement with ASCE members, and is proud of the 100% increase in Chapter membership since last year. The Chapter is actively involved in the Concrete Beam Competition, the Steel Bridge and Concrete Canoe Race Competitions. Design of the elements for these functions are rapidly entering final stages. An innovation this year for the Student Chapter was a very successful First Annual Temple Civil Engineering Alumni Convention.

Mayhew Introduces Speaker

Mark Mayhew, 2nd Vice President of the South Jersey Branch, who was principally responsible for the arrangements for the February Joint Meeting, introduced Mr. Gorgone.

Robert G. Gorgone, Business Manager for the Incubator at the Philadelphia Naval Business Center, Vice President of the Philadelphia Industrial Development Corporation (PIDC), and a former employee at the Philadelphia Naval Shipyard (PNSY), briefly described his career switch to a position with PIDC to shepherd the economic redevelopment of the Naval Base. PIDC is a quasi-City agency which exists to foster economic growth and development through financial assistance, public infrastructure design and construction, and similar measures. He noted that PIDC is a "one-stop shop" for industrial development within the City of Philadelphia, as it has the resources to achieve this goal.

The laws which dictated the base closure required that a municipality be the organization that would oversee the re-use of each base. PIDC has a

(Continued on Page 4)

PHILA. SECTION, ASCE HUMPHREY FUND SCHOLARSHIPS

The Phila. Section, ASCE, is pleased to announce the availability of its 1999 scholarships. It is anticipated that up to three scholarships, each worth up to \$5000, will be awarded at our Annual Spring Social Dinner Dance, on **Friday, May 7, 1999** at the Sugarloaf Conference Center, Chestnut Hill, PA. The number and amount of the actual awards remains at the discretion of both the Section's Scholarship Committee and the Section's Board of Directors.

Type of Award:

We recognize that different colleges have different regulations as to scholarships, stipends, and awards. It is the Phila. Section's intent to provide these awards to give the maximum financial support to the individual engineering student, within his/her college's rules. Therefore the form of award will be that most beneficial to the student consistent with his/her college regulations. Unless indicated otherwise by the student, a check in the name of the award recipient will be presented.

Eligibility Requirements:

1. The student must be matriculating in a full-time Civil Engineering or Architectural Engineering program in one of the six colleges in the Phila. Section region (Drexel University, University of Pennsylvania, Swarthmore College, Temple University, Villanova University, and Widener University).
2. The student must be an active participant in the ASCE Student Chapter.
3. Students in their Sophomore and Junior year (and Pre-Juniors at Drexel) are eligible to submit.

Submission:

The candidate must submit the following to his/her Faculty Advisor:

- An essay, limited to 1000 words, on "*How can Civil Engineers enhance their profession?*" is required.
- The candidate's name, GPA and/or class rank, and an address/telephone where they can be reached must be included. Additional information for consideration (such as need) is allowed. A letter and/or resume is an acceptable means to provide this information.

Faculty Advisor Evaluation:

Each Chapter's advisor will evaluate all their candidates and select two for submission to the Phila. Section's Scholarship Committee (address under "Deadline" below). The GPA and/or class rank should be verified as they may be used by the Scholarship Committee in their evaluation. If the university does not release class rank the advisor should provide some indication as to the candidate's standing. The advisor will formally nominate these candidates by including a letter of endorsement from a member of the faculty along with the submission.

Section Evaluation:

The Section Scholarship Committee will evaluate all nominations and select award recipi-

NOMINATIONS FOR OFFICE Phila. Section, ASCE 1999-2000

In accordance with the Constitution and By-Laws of the Section, the Nominating Committee, appointed by President Sandra J. May and chaired by Past President Darin Gatti, has submitted the following slate of nominees for elective office for the 1999-2000 administrative year:

Our current President Elect, Faruq Siddiqui, automatically advances from that position to Section President.

The following individuals have been nominated for the noted positions:

President Elect - Thomas J. Branigan (one year followed by one year as President)

Vice President - Chris L. Rood

Treasurer - David C. Hanly

Directors (all two year terms) - Ruben D. David, Walter J. DeLury, John Stone

Past Presidents to serve on the Board of Directors - Alvin Zion (one year), Darin L. Gatti (two years), Sandra J. May (three years)
Offices in which incumbents have one year remaining to serve are as follows:

Secretary - Sean W. Markey

Membership Secretary - Allan F. Moore Jr.

Directors - Susan K. Lior, Philip Udo-Inyang, Gregory R. Yates

Nomination for the following non-voting assistant position:

Assistant Secretary - Paula M. Estornell

This slate of officers was presented to the Section Board at its February meeting and was approved unanimously by the Board. The slate will be announced at the March 1999 Section meeting. Nominations will remain open until April 1, 1999 in accordance with the Constitution and By-Laws of the Section, and any member may propose a nomination for any available position until that time. If no additional nominations are made by that date, the slate as described above will automatically become official and the new officers will take their positions as of May 7, 1999. At that time, they will formally be inducted in a ceremony which is part of the Section's Annual Spring Social Dinner Dance.

The Section appreciates the fine work of the Nominating Committee, which was composed of Darin Gatti, Sandra May, Sid Robin, Bill Thomsen and Bob Wright.

ents for scholarships or other form of stipend.

Awardees will be invited guests at our Annual Spring Social Dinner Dance on **May 7, 1999**, to receive their awards and are encouraged to participate in future ASCE activities.

Submission Deadline:

Submissions must be made to the faculty advisor by **Monday, March 22, 1999**. Faculty Advisors must submit their nominations to **Dr. Faruq Siddiqui**, President-Elect of the Phila. Section at Department of Engineering, Swarthmore College, 500 College Avenue, Swarthmore, PA 19081 by **Wednesday, March 31, 1999**. The President-Elect will forward submissions to the Scholarship Committee.

February Joint Dinner Meeting

(Continued from Page 3)

subsidiary, the Philadelphia Authority for Industrial Development (PAID), which meets this requirement, thus PIDC could act on the City's behalf in this matter.

Naval Base Closure Review

PNSY was placed on the closure list in 1991 after many political moves and machinations to prevent this from happening. PNSY was at an ideal location for all transportation facilities, being on the river, near major railroad lines and the City's two main interstate highways, and close to the airport. These factors would help make the site extremely attractive and marketable to a variety of users.

In the late 1980's, PNSY employed over 22,000 people, the vast majority of whom were skilled craftspersons. Any re-use of the base would need to replace this level of economic activity. The base closure laws dictated that a re-use plan be formulated and approved, and PIDC's goal was to ensure that the new industries to locate in the Yard would be able to take advantage of the skilled workforce.

Birth of PNBC

Gorgone noted that the Yard was re-christened as the "Philadelphia Naval Business Center" (PNBC) with the re-use plan dividing the property into four distinct zones. In the East End, the area is mainly vacant. Much of the ground is fill which came from the construction of the large drydock along the Delaware River near its juncture with the Schuylkill River. The fill is somewhat unstable and must be strengthened before any substantial construction is planned. The area also has some wetlands which may need to be relocated.

The second zone, the Central Area, is centered on Broad Street. It contains many old structures and is a designated historic zone. The older buildings are planned to be renovated for office space. Shipyard College, a branch of the Community College of Philadelphia, and several small business "incubators" are in this area. A cruise ship terminal is also planned at the foot of Broad Street.

Girard Point is the third zone. This area has the worst environmental and cleanup problems, which will be handled by the Navy as spelled out in the base closure legislation. The Navy has four active groups at PNSY and these are generally located in this zone. The most prominent feature of this portion of the Yard is the Back Channel or Reserve Basin, where 54 "mothballed" ships remain. The Navy is considering a program to scrap most, if not all, of these ships, which would create additional industry.

The fourth zone, the Shipyard, is perhaps the most well-known and publicized area. Kvaerner has about 100 acres of the 1100 available in the sector, which includes five drydocks and considerable Delaware River frontage. The focus in this zone is heavy manufacturing, given that the drydocks and massive warehouses are located here. Over \$200 million of heavy construction is

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CONGRESSIONAL FELLOWS PROGRAM

In 1996, ASCE National Board of Direction approved participation in the Congressional Fellows Program, which places a Civil Engineer on the staff of either the U.S. Senate or the House of Representatives. In 1997, ASCE's first Congressional Fellow began his assignment on Capitol Hill. Since that time, a second Fellow has spent a year on Capitol Hill and the third Fellow is in the early stages of her year.

ASCE is recruiting a new Congressional leader. Applications are now being accepted for the 1999-2000 ASCE Congressional Fellow. The Fellowship is an opportunity to spend a year on Capitol Hill working as a staff member either on a committee or for an individual member of the U.S. Senate or House of Representatives. This is an opportunity to gain hands-on knowledge of congressional decision making.

Congress makes important decisions on a multitude of technical issues, many of which directly impact how Civil Engineers conduct their professional practice. And Congress will make these decisions with or without technical expertise. The ASCE Congressional Fellows program works to ensure that sound technical advice is available.

Tim Hess, ASCE's second Congressional Fellow, was heavily involved with the reauthorization of the nation's surface transportation programs. The final legislation, the Transportation Equity Act for the 21st Century, benefited from his technical advice.

The selection process is getting underway for the next ASCE Congressional Fellow. The Fellowship year begins on September 1, 1999 and runs through August 31, 2000. Applications are due April 2, 1999, with the selection of the Fellow by early June. ASCE will provide a stipend and some relocation expenses.

If you have questions or would like an application, please contact **Martin Hight** in the ASCE Washington office at (202) 789-2200, or 1-800-548-2723, ext. 5125 or e-mail to mhight@asce.org.

VILLANOVA HEC-HMS SHORT COURSE

Villanova University 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 May 10th and 11th, 1999.

The course starts with a review of hydrology. After each new aspect of HEC-HMS is introduced, students will be given a design problem to analyze on the computer under supervision of the course instructors. Specialized topics to be discussed will include stormwater management applications using curve number methodology.

Each course participant will receive the latest HEC-HMS software, program documentation, and course notes. The program software is not copyrighted. 2.0 CEU's will be awarded. The

GEOSYNTHETICS SEMINAR

Geosynthetics in Transportation Facilities: Design, Testing and Construction

Tuesday, March 23, 1999 - Drexel University

Pennoni Associates, Inc., in conjunction with the Phila. Section, ASCE, will join efforts to co-sponsor a one-day seminar on "Geosynthetics in Transportation Facilities: Design, Testing and Construction." The seminar will be conducted at Drexel University on **Tuesday, March 23, 1999** beginning at 8:30 am and lasting until approximately 4:30 pm.

The seminar will be conducted by the staff of the Geosynthetic Research Institute under the moderation of **Robert M. Koerner, Ph.D.**, the H.L. Bowman Professor of Civil Engineering at Drexel University and Director of the Institute. Bob, a very active member and Past President of the Phila. Section (1975-1976), is an Honorary Member of ASCE and is a past Delaware Valley Engineer of the Year. The event represents a unique opportunity to obtain the latest information on geosynthetics from an internationally-recognized expert of Bob's caliber.

The course content will focus on the proper design, testing and construction of geosynthetics used in transportation facilities, such as paved highways, unpaved roads, railroads, retaining walls, steep slope and embankment stabilization, and similar applications. The target audience is transportation engineers at all levels of government, consultants, land developers, testing laboratories, material manufacturers and suppliers, academics, and others who may desire information on this important aspect of transportation engineering systems.

The cost of the seminar will be \$50 for Phila. Section members, \$75 for all others. Lunch will NOT be included, and sufficient time will be allotted for participants to obtain their lunch on their own.

There are a limited number of spaces available and these will be filled on a first come, first served basis. In the past, the spaces have filled quickly, so you are advised to reserve early to avoid being "shut out."

Please clip and return the form below with your check to ensure your reservation.

February Joint Dinner Meeting

(Continued from Page 4)

currently underway or planned in this zone.

Question and Answer Period

Gorgone responded to several questions from the audience. On the depth of the Delaware River channel, he noted that this should not be a problem for ships coming to the Shipyard, since they are usually unloaded and do not have maximum drag. He noted that SEPTA is considering more transit service to the PNBC as employment increases (there is currently one SEPTA route serving the facility), and the former ferry service to National Park, New Jersey may be reinstated if demand warrants.

Some of the old barracks buildings may be demolished, since the re-use plan specifically excludes any residential units.

Numerous other varied comments and questions on the fascinating new developments and future plans for the former and historic Philadelphia Naval Shipyard (now the Philadelphia Naval Business Center) were forthrightly addressed and fully detailed by the very articulate Mr. Gorgone. Both President Sleeper, South Jersey branch; and President May, Phila. Section, ASCE, presented Gifts of Appreciation to Mr. Gorgone on behalf of their respective groups.

VILLANOVA HEC-HMS cont'd

course will begin on **Monday, May 10, 1999**, at 8:30 am and will finish **Tuesday at 4:30 pm**. A reception will be held at the end of class on Monday. Enrollment is limited.

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

PHILA. SECTION NEW MEMBERS

Membership Secretary Allan F. Moore, Jr., announces the following individuals have been added to the Section's membership roster:

MEMBERS: James Adams, Frank Cellucci, Stephen Furtek, John Pickett, Robert Wagner

ASSOCIATE MEMBERS: Craig Forwood, Susan Guisinger-Colon, Kevin Hahn-Keith, David Hamilton, Stephen Mazur, Jr., Monya Ortega, Hyuck Pak, David Parente

The Phila. Section cordially welcomes its new members!

GEOSYNTHETICS SEMINAR - TUESDAY, MARCH 23, 1999

Please reserve _____ space(s) for the event in the following name:

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ASCE Philadelphia Section member? Yes No ASCE Membership #: _____

Return to: ASCE Philadelphia Section, P.O. Box 58186, Philadelphia, PA 19102-8186

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IMPORTANT! 1998-1999 REMAINING MEETING NOTICES

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

All Dinner Meetings (except as noted):

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

Thursday, April 8, 1999 Joint Dinner Meeting with the Philadelphia Post, Society of American Military Engineers (SAME) • Williamson's City Line, Philadelphia • "Tunnel Detection Along the Southwest Border of the United States," Maureen Corcoran, Research Geologist, U.S. Army Corp of Engineers. (Note change in location from previously published.) Swarthmore College & University of Pennsylvania Night

Friday, May 7, 1999 Annual Spring Social Dinner Dance, Sugarloaf Conference Center, Chestnut Hill, PA • **Theme: Irish**

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YOUNG ENGINEERS HONORED

Two Phila. Section, ASCE Younger Members, both nominated for the honors by the Section, were feted at the Young Engineer of the Year Awards Dinner, on Wednesday, February 24, 1999, a major event during the Delaware Valley Engineers Week festivities. The Awards Dinner, which was held at the Engineers' Club of Philadelphia headquarters, the Racquet Club, 215 South 16th Street, Philadelphia, PA, was the Tenth Annual sponsored by the Club.

Recipients of the Awards were: **Lucia Chan**, of SEPTA, a co-winner of the highest honor — Young Engineer of the Year 1999; and **Sean W. Markey, P.E.** of Fredrick R. Harris, Inc. (Sean is the current Secretary), Award finalist. Also an Award Finalist was **Peter J. Tantala**, son of

Phila. Section Past President (1986-1987) Albert M. Tantala, P.E., Founder and President of Tantala Associates, Inc., the consulting firm with which Peter is affiliated. The Section's winning nominee for Delaware Valley Engineer of the Year 1999, **Lawrence M. Moy, P.E.**, Phila. Section, ASCE Past President (1971-1972) and current Phila. Streets Commissioner was principal speaker at the event.

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