

# the news



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PHILADELPHIA SECTION  
AMERICAN SOCIETY OF CIVIL ENGINEERS  
1317 Spruce Street, Philadelphia, PA 19107

Vol. 61-4

Celebrating Our  75th Anniversary

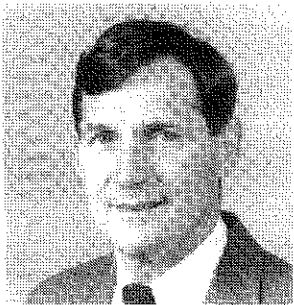
JANUARY, 1989

## JANUARY JOINT DINNER MEETING

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

**WEDNESDAY, JANUARY 11, 1989**

LOCATION: HOLIDAY INN, Goddard Boulevard, King of Prussia, PA  
Social Hour - 6:00 P.M. Dinner - 7:00 P.M. Meeting - 8:00 P.M.



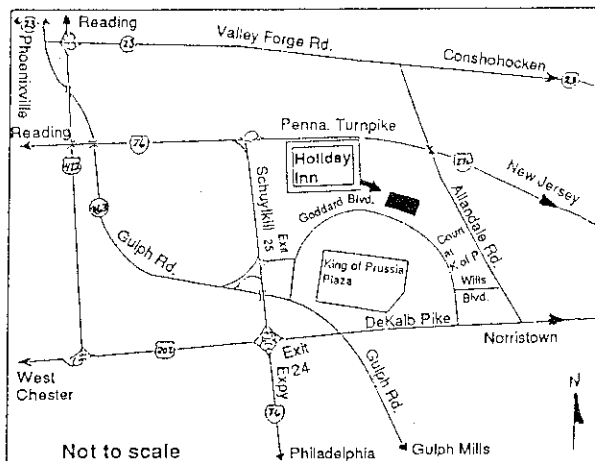
**SUBJECT: BUILDING A SOLID WASTE MANAGEMENT PLAN FOR PHILADELPHIA**

**SPEAKER: ALEXANDER L. (PETE) HOSKINS**, Commissioner of Streets, City of Philadelphia Commissioner. Hoskins has announced that Philadelphia is committed to preparing and implementing a Solid Waste Management Plan for the next 25 years. Thus will the City avoid recurring trash crises, and utilize the most modern available technologies and practices.

Alexander L. (Pete) Hoskins was recently appointed City of Philadelphia Commissioner of Streets (September 14, 1988). Previously, after holding progressively high official positions on the Fairmount Park

Commission, he was Park Director since January, 1983. In this post he was responsible for the executive direction of the Commission, including 400 full-time employees, an operating budget of \$12 million and a capital budget of over \$3 million; Philadelphia's 8,700 acre Park system and street tree program. Recent accomplishments include: completion of the first Fairmount Park Master Plan; implementation of management contracts for six golf courses for \$35 million over 35 years; a major reorganiza-

(Continued on Page 2)



**LOCATION MAP**  
for  
**Holiday Inn,  
Goddard Blvd,  
King of Prussia**

**NOTICE!! DINNER AT PHILA. SECTION MEETINGS WILL BE SERVED ONLY TO THOSE WHO CALL IN THEIR RESERVATIONS. FOR ALL MEETINGS - AS THEY ARE ANNOUNCED IN THE NEWS - CALL PRESIDENT SUE LIOR'S SECRETARY, BETHANN, AT (215) 925-3196 IMMEDIATELY.**

Dinner charge at the **January 11, 1989** meeting at Holiday Inn, King of Prussia:  
Members & Guests - \$20.00; Students - \$10.00.

## TECHNICAL GROUP ACTIVITIES

Transportation & Urban Development Group  
January meeting

Date: Thursday, January 26, 1989

Engineers' Club

Cocktails - 5:30 PM; Dinner 6:00 PM;

Meeting 7:00 PM

**SUBJECT: Philadelphia Trolley System, PEER Review Program**

**SPEAKER: Dr. Vukan Vuchic**, Professor of Civil Engineering, University of Pennsylvania.

Dr. Vuchic will explain and discuss his most recent undertaking, which consists of a PEER Review with two other national transportation experts of SEPTA's streetcar system in North Philadelphia. The PEER Review Study was developed to review the individual streetcar lines' operation and suggest policy toward that mode. Dr. Vuchic will discuss the general overall condition and PEER Review team's analysis and recommendations to methods of operation, equipment and physical plant, etc. The Study was jointly sponsored by the City of Philadelphia and SEPTA.

For reservations and information please contact **William T. Thomsen**, Chairman, Transportation and Urban Development Technical Group - c/o Urban Engineers, Inc., 300 N. Third Street, Philadelphia, PA 19106, (215) 922-8080.

Transportation and Urban Development Group  
Upcoming Meetings 1988-89

Thursday, February 23, 1989

**TOPIC:** The Philadelphia Port III Transition  
**SPEAKER:** Edward Duffy, Vice President, Philadelphia Industrial Development Corp.

Thursday, March 14, 1989

**TOPIC:** SEPTA

**SPEAKER:** Louis J. Gambacinni, Chief Operations Officer/General Manager, SEPTA

Thursday, April 27, 1989

**TOPIC:** Amtrak CETC

**SPEAKER:** Tom Rhodes, Sr. Engineer, CETC, Amtrak

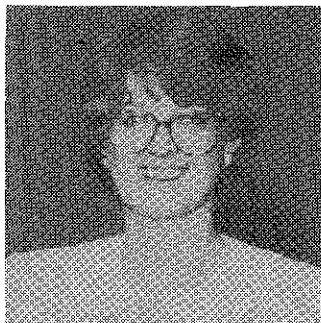
Thursday, May 25, 1989

**TOPIC:** I-95 On/Off Ramps

**SPEAKER:** James W. McPhillips, Project Director, Urban Engineers, Inc.

(Continued on Page 3)

## THE PRESIDENTS MESSAGE



Greetings for the New Year! I'd like to believe that a number of you have made resolutions to take a greater share of responsibility in the advancement of your profession. One of the best ways to do that is to take a more active role in ASCE. Attend meetings, join committees, get to know your peers!!

The new schedule for Board meetings, two hours versus one, has worked out well. We had the time to discuss some of the issues which, until this meeting, had been shoved into backlog. A case in point is local government and legislative involvement. Until recently, many of our colleagues were in top administrative positions in City Government allowing the Civil Engineering profession to provide input regarding public works issues

and concerns on a regular basis. This interaction is affected inasmuch as recent appointments in the engineering oriented departments have gone to administrators with no Public Works engineering education and training. We identified the need to offer assistance, provide support, and strengthen ASCE's ties with the new administrators. Some examples of our past support are the infrastructure seminar and report on "Infrastructure in the Delaware Valley" and the Engineering Excellence Award for the Center City Commuter Rail Tunnel which received national media coverage. The Infrastructure report was an example where ASCE members used their local knowledge to summarize the condition of the infrastructure and to establish priorities for future maintenance and capital investments.

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## JANUARY JOINT DINNER MEETING

(Continued from Page 1)

tion of the Operations and Maintenance Division; landscape beautification; and a significant increase in general public awareness and support for Fairmount Park.

From 1974 to 1980, Mr. Hoskins served in the office of the City Managing Director as Management Analyst - Chief of Productivity Unit, responsible for the operation of a citywide program encompassing the Streets Department, Sanitation Division; Recreation Maintenance and Street Lighting. From October, 1971 to November, 1972 he was Assistant to the City Manager, Foster City, CA.

Mr. Hoskins holds a B.A. in Political Science (1965-1969), San Jose State University, San Jose, CA; and an M.A. in Public Administration (1969-1971), University of Minnesota School of Public Affairs, Minneapolis, MN. His educational background also includes studies in Arbitration and Grievances, Labor Relations, Productivity, Computer Literacy, Non-Profit Law and Executive Development Programs - at various colleges, and City and National Agencies and Commissions throughout the United States. He is a member of numerous City Boards, Bureaus, Planning and Educational Councils. Mr. Hoskins is a member of many Professional Associations, City and International Public Administration Councils and Community organizations, including the Chapel of the Four Chaplains, Legion of Honor Member.

### SPECIAL FEATURE: DREXEL UNIVERSITY NIGHT

The ASCE Student Chapter, Faculty and Alumni of the Civil Engineering Department of Drexel University will be honored at this meeting. All students, faculty and alumni are cordially invited to attend.

## FEBRUARY DINNER MEETING

Philadelphia Section, American Society of Civil Engineers

# TUESDAY, FEBRUARY 14, 1989

ENGINEERS' CLUB, 1317 Spruce Street, Philadelphia

Cocktails - 5:30 P.M. Dinner - 6:30 P.M. Meeting - 7:30 P.M.

**SUBJECT: PHILADELPHIA TRASH TO STEAM - CAN IT HAPPEN?**

**SPEAKER: HON. W. THACHER LONGSTRETH**, Philadelphia City Councilman-At-Large Councilman Longstreth will review the controversy surrounding the proposed trash to steam conversion plant in South Phila.; as well as the City's overall trash crisis. **DON'T MISS THIS MEETING!**

**SPECIAL FEATURE: TEMPLE UNIVERSITY NIGHT**

FOR RESERVATIONS FOR THE FEBRUARY 14TH, 1989 MEETING - PLEASE CALL PRESIDENT SUE LIOR'S SECRETARY, BETHANN, AT (215) 925-3196.

Dinner Meal Charge: ASCE Member \$16.00; Non-Member - \$17.00; Students - \$8.00

**STUDENTS:** If you prefer, you are invited and welcome to attend the Meeting after Dinner, at no charge.

## POSITIONS AVAILABLE

### CIVIL ENGINEERS

Start the New Year with a challenging growth-oriented, local opportunity. Positions exist for:

- Wastewater and treatment systems Design Engineer.
- Process Engineer to design Municipal treatment systems.
- Structural Engineer with concrete & steel experience.
- Environmental or Waste Water Project Engineer.

Contact **Hank Graham**, c/o DREW INTERNATIONAL, 2000 Valley Forge Towers, King of Prussia, PA 19406 - (215) 783-5900.

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**COPY DEADLINE  
FOR  
FEBRUARY 1989  
ISSUE  
JANUARY 11, 1989**

## DECEMBER MEETING

December 13, 1988

Engineers' Club

## "New Day Dawning in Camden"

By Dave Perri, Associate Editor

The December meeting subject was a preview presentation of the proposed ambitious \$500 million program for the development of the downtown waterfront area of Camden, NJ, to be accomplished by the Cooper's Ferry Development Association, Inc. The project features the New Jersey State Aquarium as the first major component of the complex. Recently funded by the State Legislature and approved by Governor Kean, ground-breaking for the Aquarium is scheduled for late December or early January.

Principal speaker of the meeting was the dynamic young Project Manager of Cooper's Ferry Development Association, Inc., **John Thomas (Jack) Shannon, Jr.**

## Univ. of PA and Swarthmore College Honored

The meeting spotlighted the ASCE Student Chapters, Faculty and Alumni of the Civil Engineering Departments of the University of Pennsylvania and Swarthmore College. Both schools were well-represented at the meeting.

## Penn's Program Described

Faculty member, **Prof. Kenneth Fegley**, explained the new engineering program at the University of Pennsylvania. Due to recent administrative changes in the Engineering School, the Civil Engineering course, along with other specialties (Mechanical, Electrical, Chemical, etc.) have been merged within the overall province of the Department of Systems, which was born in 1986. Transportation and Environmental Resources Engineering are included within the Civil Engineering Curricula; and all of these branches have retained their own identities.

Dr. Fegley proudly announced that the Civil Engineering Department received a grant from the Federal Government's National Science Foundation (NSF) for the advancement of Civil Engineering programs. It is the only such grant in the United States; and it will be directed by **Professor John Keenan**. Dr. Keenan is a former Faculty Advisor of Penn's ASCE Student Chapter. Dr. Fegley also introduced the present Faculty Advisor, **Dr. Wen K. Shieh**; and **Dr. Vukan Vuchic**, the distinguished Professor of Civil Engineering at Penn, who has been an active ASCE member and participant in Philadelphia Section affairs for many years.

## Redlich Reviews Chapter Activities

The Univ. of PA ASCE Student Chapter President **Stephen Redlich** thanked the Section for its courtesies in honoring the Chapter, and introduced his fellow officers: Vice President, **Levia Stein**; Secretary, **Kevin Driscoll**; and Treasurer, **Ben deRosa**.

Mr. Redlich explained that the students are accommodating well to the new arrangement within the Department of Systems, as distinct from an independent and separate Civil Engineering School. He reported that the Chapter is actively involved

in following Philadelphia Section and National ASCE affairs. The members are hard at work preparing a concrete canoe for the races next Spring on the Schuylkill River. Mr. Redlich promises that the project will reveal some surprising new concepts in concrete design when the canoe is completed.

## Dr. Siddiqui and Swarthmore

The Swarthmore delegation consisted of Student Chapter President **Kelly Meagher**, Vice President **Elizabeth Fecko**, Treasurer **Matthew Ohland**, and two other students. Also attending were Faculty Advisor **Professor Faruq Siddiqui** and Chapter Contact Members **Dean Hoenig** and **Richard Mabry**.

Professor Siddiqui thanked the Philadelphia Section for the invitation. He mentioned that Swarthmore College was rated by the *U.S. News and World Report* as the number one small Liberal Arts institution in America. He explained why a college as small as Swarthmore (1300 students) has an Engineering Department. The practical Quakers who founded Swarthmore in 1864 foresaw the important role that engineering would play in the continuing development of our country. Among today's engineering students at Swarthmore, there are many double majors, which emphasizes Swarthmore's view that technology is necessary but not sufficient.

## Meagher Reviews Chapter Activities

The President of the Swarthmore Section, **Kelly Meagher**, also expressed her thanks to the Philadelphia Section for organizing the Swarthmore Night. She mentioned among activities of the Swarthmore ASCE Student Chapter the organization of a field trip, the surprising award of a Swarthmore Team at the concrete beam design competition held at Temple and the involvement of engineering students in State legislation through the Key Contact Program.

## Gabor Presents Mr. Shannon

Section Director **Michael J. Gabor** introduced guest speaker, **John T. Shannon, Jr.**, Project Manager for Cooper's Ferry Development Association, Inc. Mr. Shannon, a graduate of LaSalle and Harvard Universities, enthusiastically spoke about "a new day dawning in Camden." Cooper's Ferry is spearheading a \$500 million revitalization project along a 60-acre riverfront tract south of Benjamin Franklin Bridge adjacent to Wiggins Park.

## New Jersey State Aquarium

The massive mixed-use project will include a festival marketplace, a marina, a marine ferry to Penn's Landing, housing, hotel, and the new corporate headquarters for Campbell Soup Company. Centerpiece to the development will be the New Jersey State Aquarium. The Aquarium will benefit from input from **William Donaldson**, the

(Continued on Page 4)

## Technical Group Activities

(Continued from Page 1)

I am very pleased to announce the names of a supporting group of officers who will assist me in organizing and carrying out the activities for the year. They are as follows:

Vice Chairman, **Chris Rood**, SEPTA  
Secretary, **Bill Van Wagenen**, Hill International  
Treasurer, **Jack McIwee**, SEPTA

Please join me in welcoming their assistance to the program.

The tentative schedule of the program listed above, attempts to cover the variation of disciplines within the T&UD Group's purview. We remain open to suggestions which members may have to help make the program better.

Sincerely, **William T. Thomsen, P.E.**, Chairman  
Transportation & Urban Development Group

## Geotechnical and Water/Environmental Groups

(Combined Program for 1988-89)

## January Meeting

Date: Tuesday, January 15, 1988; 7:00 PM

Location: Room 4014, Creese Student Center, Drexel University, Chestnut Street between 32nd and 33rd

**SUBJECT:** Contaminated Liquid Movement and Treatment in the Vadose Zone

**SPEAKER:** **Dr. Joseph P. Martin, P.E.**, Associate Professor, Civil & Architectural Engineering, Drexel University

This presentation will cover the principles and present examples of water, wastewater, leachate and spilled liquid movement.

The presentation focuses on the effects of different soil and water conditions on analysis of contaminated liquid movement, and design to either arrest flow or enhance treatment. Examples will be presented on advanced onsite treatment of wastewater, control of petroleum products, spill movement and the use of vadose zone monitoring tools.

Arrangements for members to have dinner before the meeting, if desired, are being made, and details will be given with the two Technical Group mailings. For further information, please call Chairman **Dave Ritter**, at (215) 495-0303; or **Dr. Joseph P. Martin**, at (215) 895-2363.

The combined Geotechnical and Water/Environmental Group program for 1989 includes the following presentations:

- February: Stabilization of Sludge Lagoons with Strip Drains
- March: In-Situ Recovery of Volatile Organic Contaminants
- April: Design and Contract Operation of the Oaks, Pa. WWTP

JOIN THE  
75TH  
ANNIVERSARY  
COMMITTEE

(See the December 1988 issue of THE NEWS)

