

# the news



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

VOL. 59 - 6

OUR 74th YEAR

March, 1987

## MARCH DINNER MEETING

Philadelphia Section, American Society of Civil Engineers

**TUESDAY, MARCH 10, 1987**

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

**SUBJECT:**

**CONSTRUCTION MANAGEMENT FOR THE SCHUYLKILL EXPRESSWAY RECONSTRUCTION**

**SPEAKER:**

**JOSEPH P. McATEE, P.E.**, Project Manager, Construction Management, Joint Venture - Firm of Gaudet/O'Brien Associates and Urban Engineers, Inc.

Mr. McAtee will discuss the construction management techniques implemented on the Schuylkill Expressway Reconstruction Project from the completion of design in the summer of 1984 through the 1986 construction season. The Joint Venture's efforts on this project represent the first use of Construction Management Services by the Pennsylvania Department of Transportation in this area. Additionally, the Schuylkill Project was the first in Pennsylvania to utilize an Incentive/Disincentive Clause. The Incentive/Disincentive Clause for the Schuylkill Contracts provided an opportunity for the contractors on the job to earn an Incentive payment of \$30,000 per day without a cap. It is also presented a liability for a \$30,000 per day assessment for Disincentive funds should the work not be completed on time. This innovative administrative technique was intended to enhance the success of the Schuylkill Project and stimulate the utilization of accelerated construction techniques. Mr. McAtee will address the utilization of I/D Clauses, together with the use of Construction Management Services for major highway rehabilitation projects in which CPM Scheduling is utilized in construction

*(continued on page 2)*

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## APRIL JOINT DINNER MEETING

Philadelphia Section, American Society of Civil Engineers  
Philadelphia Post, The Society of American Military Engineers

**WEDNESDAY, APRIL 8, 1987**

OFFICER'S CLUB, U.S. NAVAL BASE, PHILADELPHIA

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

**SUBJECT:**

**MODEL CODE CONTRIBUTION TO BUILDING SAFETY**

**SPEAKER:**

**CHARLES O. EVERLY, P.E.**, President, Building Officials and Code Administrators (BOCA) International.

**SPECIAL EVENT:**

**The Honorable W. Wilson Goode**, Mayor of Philadelphia, will present the Proclamation designating **Philadelphia Building Safety Week, April 5-11, 1987.**

For reservations for April Joint Meeting please call Edwin Kucerik, U.S. Army Engineer District, Custom House, 2nd & Chestnut Sts., Phila., PA 19106, Phone (215) 597-0456/0457

Dinner Meal Charges: ASCE Member—\$12.00 Students—\$6.00

Students: Note that your Dinner Charge is half price. Plan to attend for Dinner or Meeting after Dinner.

## TECHNICAL GROUP ACTIVITIES

### Structural Group

#### March Meeting

Date: **Thursday, March 19, 1987**

Engineers' Club

Cocktails - 5:00 P.M. Dinner - 6:00 P.M.

Meeting at 7:00 P.M.

\$12.00 (Members & Students)

Subject: **Applications for Microsilica Concrete**

Speaker: **Robert Prisy** Elkes Chemicals, Inc., Pittsburgh, PA

The presentation will address durable, high-strength concrete produced with microsilica. Microsilica solids are 90-98% pure SiO<sub>2</sub> and 100 times finer than cement grains. Microsilica physically eliminates the capillary pores in concrete with a highly reactive cementitious material, producing low permeability durable concrete. The applications for microsilica concrete include dams, industrial floors, structural elements, and parking garages.

**PLEASE CALL FOR RESERVATIONS BY MARCH 18TH**

**Tim Haab's Secretary: Barbara Hatton, (215) 751-9555**

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### Water & Environmental Engineering Group

#### April Dinner Meeting

Date: **Tuesday, April 21, 1987**

CAVANAUGH'S RESTAURANT

32nd & Market Streets, Philadelphia

Cocktails - 5:30 P.M.

Dinner - 6:30 P.M., followed by lecture

SUBJECT: **Drought Planning & Management in the Delaware River Basin**

SPEAKER: **Robert L. Goodell**, Chief Engineer, Delaware River Basin Commission

**FOR RESERVATIONS PLEASE CALL: H.Y. Rajagopal ("Raj") at (215) 422-3032;**

or

**John Tunnell at (215) 597-4714**

**MARCH MEETING**

*(continued from page 1)*

together with fast track management techniques. The project, extending from University Avenue in Center City Philadelphia to the Turnpike Interchange in King of Prussia required the rehabilitation of approximately 18 miles of expressway which included 51 bridge structures. PADOT also upgraded all project signing, provided new high mast interchange lighting, together with new concrete median barrier and should barrier construction for the entire length of the project.

**Joseph P. McAtee** is a Vice President for Urban Engineers Incorporated, a Registered Professional Engineer in Pennsylvania, and a graduate of Drexel University. He has been with Urban Engineers Inc. for 19 years

and in addition to being an ASCE member, he is a participating member of the ASHE and a member of the Construction Management Association of America. Prior to his assignment on the Schuylkill Expressway, Mr McAtee was Resident Engineer for four (4) contracts of the Commuter Tunnel Construction in Philadelphia, as well as serving as Program Testing Coordinator for train service start-up as that project neared completion. He was also involved with the design and construction of Philadelphia International Airport's IIA Development Program which involved integrating the Airport's site expansion into the local and PADOT roadway systems of the Industrial Highway and I-95 in that area.

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**SPECIAL EVENT:**

**PRESENTATION OF LIFE MEMBERSHIP CERTIFICATES**

**SPECIAL FEATURE:**

**TEMPLE UNIVERSITY AND SPRING GARDEN COLLEGE NIGHT NIGHT**

The ASCE Student Chapters, Faculty and Alumni of the Civil Engineering Departments of Temple University and Spring Garden College will be honored at this meeting. All students, faculty and alumni are cordially invited to attend.

Please call Mr. deKovacs at the Engineers' Club immediately (215) 735-5234, for reservations. Dinner Meal Charge.

ASCE Member—\$12.00 Non-Member—\$13.00 Students—\$5.00

STUDENTS — Note that your Dinner Charge is LESS than one-half price. Plan to attend for Dinner or Meeting after Dinner.

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**NOMINATIONS FOR OFFICE  
1987-1988**

In accordance with the Constitution and By-Laws of the Philadelphia Section, ASCE, the Nominating Committee appointed by President Albert M. Tantala has submitted the following slate of nominees for elective office for 1987-1988. (The slate will be announced at the March 10, 1987 Section Dinner Meeting):

- President-Norman G. Weintraub (1 year)
- 1st Vice President-(President Elect)- Susan K. Lior (1 year)
- 2nd Vice President-J. Richard Weggel (1 year)
- Secretary-David M. Barr III (2 years)
- Assistant Secretary-Robert M. Wright (2 years)
- Treasurer-Charles J. Denny (2 years)
- Assistant Treasurer-Thomas J. Branigan (2 years)
- Membership Secretary-David J. Perri (2 years)
- Director-Michael J. Gabor (2 years)
- Director-Moustafa A. Gouda (2 years)
- Director-Edward J. Lutz (2 years)
- Director-Reading Branch representative to be announced (1 year)

Offices in which incumbents have one more year to serve are:

- Directors-Joseph E. Gaudet
- Stephen H. Golden
- D. Kelly O'Day
- Past Presidents to serve on the Board of Directors are:
- John E. Durrant
- Ira N. Pierce
- Albert M. Tantala

If no additional nominations have been submitted to the President in accordance with the Section's Constitution and By-Laws by April 1, 1987, the above slate of nominees shall be declared elected at that time, and will be installed at the Annual Spring Social on June 13, 1987 at Colleen's Restaurant and Towne Hall, Park Towne Place, Philadelphia, PA.

Members of the Nominating Committee were: Ira N. Pierce, Chairman; John E. Durrant, Sidney Robin, Joseph R. Syrnick, Albert M. Tantala, Norman G. Weintraub, and Kenneth J. Zitomer.

**EMPLOYMENT OPPORTUNITIES**

We represent some of the finest firms in the Delaware Valley. We have immediate need for degreed people with any of the following skills:

- COMMERCIAL/INDUSTRIAL STRUCTURES
- BRIDGE DESIGN
- HIGHWAY DESIGN
- SITE PLANNING
- MUNICIPAL PROJECTS
- LANDFILLS

All fees are assumed by the employer. All positions are local. Contact **Tom Reynolds, (215) 667-1820, Main Line Personnel, P.O. Drawer 526, Bala Cynwyd, PA 19004.**

**THE NEWS IS HONORED**

At a recent National ASCE Zone I Management Conference, held in Hartford, CT on January 30, 1987, The Philadelphia Section's THE NEWS was cited as **Zone I Outstanding Newsletter**. The Certificate of Award was signed by National ASCE President Dan Barge and President-Elect Al Grant.

Philadelphia Section Vice President Susan K. Lior, who represented Philadelphia at the Conference, congratulated Philadelphia Section Publications Chairman and THE NEWS Editor **Sidney Robin**, noting that "... it was an honor to have accepted this prestigious Award for you. We all deeply appreciate your hard work. . ."

**PHILADELPHIA SECTION  
AMERICAN SOCIETY OF  
CIVIL ENGINEERS**

**OFFICERS 1986-1987**

**PRESIDENT**

Albert M. Tantala

**VICE PRESIDENTS**

Norman G. Weintraub Susan Lior

**SECRETARY**

Edward J. Lutz

**ASSISTANT SECRETARY**

David M. Barr III

**TREASURER**

Charles J. Denny

**ASSISTANT TREASURER**

Thomas J. Branigan

**MEMBERSHIP SECRETARY**

Robert Wright

**DIRECTORS**

J. Richard Weggel  
Thomas J. Lauer  
Richard Weiss

Joseph Gaudet  
Stephen H. Golden  
D. Kelly O'Day

Rodney K. Simonetti  
(Reading Branch)

**PAST PRESIDENTS**

William M. Malarkey John E. Durrant  
Ira N. Pierce

**President - Albert M. Tantala**

Tantala Associates  
4903 Frankford Avenue  
Phila., PA 19124  
(215) 289-4600

**Secretary - Edward J. Lutz, Jr.**

Rollins Environmental Services, Inc.  
P.O. Box 2349  
Wilmington, DE 19899  
(302) 479-3168

**PUBLICATIONS COMMITTEE**

Sidney Robin  
Chairman and Editor of THE NEWS

Joseph R. Syrnick  
Assistant Chairman and Associate Editor

Staff Writers  
Dave Perri Michael Peleszak

Publications Coordinator  
Albert M. Tantala

**SEND COPY TO:**

Sidney Robin  
64 Nancy Drive  
Richboro, Pennsylvania 18954  
Phone: (215) 322-7464

**COPY DEADLINE FOR  
APRIL 1987 ISSUE  
MARCH 10, 1987**

**PHILADELPHIA SECTION ASCE  
ANNUAL CIVIL ENGINEERING AWARDS**

**1987**

The Philadelphia Section takes pleasure in announcing the Annual Civil Engineering Awards. These awards are to recognize local members, for their contributions to the Civil Engineering field. If you wish to nominate someone, please read the rules and criteria and then fill out the nomination form.

**ALL AWARDS WILL BE PRESENTED AT THE JUNE 13TH SOCIAL  
at Colleen's Restaurant, Park Towne Place**

**R U L E S**

Nominations must be received prior to 3 p.m., March 27, 1987.  
(If time extension or information are necessary, contact  
**John Durrant (215) 225-3977** or **Bob Wright (215) 686-5538.**)

Individuals may be nominated for awards by a member in any grade of membership.

Individuals may be awarded only one award in a single year.

Individuals may be nominated for more than one award.

Award recipients must be approved by the Board of Directors.

All awards are presented only in years, where in the judgment of the Selection Committee, or the Board, there is at least one suitable candidate.

The Selection Committee will be required to nominate an alternate for Board consideration for each award.

Each Selection Committee will also recommend to the Board of Directors whether the recipient should be nominated for applicable national or regional awards by the Section.

**A W A R D S****Philadelphia Civil Engineer of the Year**

The section's highest award is presented to an individual who is judged to have contributed substantially to the civil engineering profession.

**CRITERIA:**

- Membership Grade — Member, Fellow, Life or Honorary
- Member in good standing of the Philadelphia Section

**RECIPIENT ALSO CONSIDERED FOR:**

1. Delaware Valley Engineer of the Year
2. Edmund Friedman Professional Recognition Award

**Philadelphia Young Civil Engineer of the Year**

This award is presented to a young civil engineer who is judged to have contributed to the civil engineering profession.

**CRITERIA:**

- Membership Grade — Associate or Student
- Member in good standing of the Philadelphia Section or member of a student chapter assigned to the Philadelphia Section
- Must be 31 years of age or younger on Feb. 1 of the award year

**RECIPIENT ALSO CONSIDERED FOR:**

- Edmund Friedman Professional Recognition Award

**Philadelphia Government Engineer of the Year**

This award is presented to an individual who is employed by the Federal Government, a State Government, a Municipal Government or a public authority that has contributed substantially to the civil engineering profession.

**CRITERIA:**

- Membership Grade — Member, Life, Honorary or eligible for membership.
- Assigned to the Philadelphia Section, or employed or residing within the Philadelphia Section boundaries.

**RECIPIENT ALSO CONSIDERED FOR:**

1. Zone I Government Engineer of the Year
2. Civil Government Award

**Philadelphia Young Government Engineer of the Year**

This award is presented to a younger member who is employed by the Federal, a State or a Municipal Government or a public authority that has contributed to the civil engineering profession.

**CRITERIA:**

- Membership Grade — Associate member or eligible for membership
- Member of the Philadelphia Section or employed within or residing within the Philadelphia Section boundaries.

**RECIPIENT ALSO CONSIDERED FOR:**

- Zone I Young Government Engineer of the Year

**Government Service Award**

Presented to an elected or appointed governmental official who has contributed substantially to the status of the civil engineering profession by their public service.

**CRITERIA:**

- Holds office in a jurisdiction which represents a geographical area including an area which corresponds to the boundaries of the Philadelphia Section. This would include the President, a U.S. Senator from Pennsylvania, Congressman, Mayor, Commissioner, etc.

**RECIPIENT ALSO CONSIDERED FOR:**

- Civil Government Award

**Individual Technical Awards**

The following awards have the same criteria. Each award is presented to an individual who is judged to have contributed substantially to civil engineering and in the area of the particular award.

- Civil Engineering Manager of the Year
- Geotechnical Engineer of the Year
- Structural Engineer of the Year
- Construction Engineer of the Year
- Transportation Engineer of the Year
- Water Resources Engineer of the Year

*(over)*

CRITERIA:

- Membership in any grade
- Member of the Philadelphia Section

RECIPIENT ALSO CONSIDERED FOR:

- Technical Groups will be responsible for nominating winners for appropriate national award.

**Educator of the Year**

This award is presented to an outstanding educator in the field of civil engineering, who has contributed substantially to the field.

CRITERIA:

- Membership Guide — Higher than student
- Member of the Philadelphia Section
- Must be a staff member of a college or university with an ASCE student club chapter

**Philadelphia History and Heritage Award**

Presented to an individual whose efforts have made contributions to better the knowledge of, or appreciation for, the history and heritage of civil engineering.

CRITERIA:

- Must reside within the geographical boundaries of the Philadelphia Section or be a member of the Philadelphia Section.

RECIPIENT ALSO CONSIDERED FOR:

- Civil Engineering History and Heritage Award

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cut along line

**— NOMINATION FORM —**

IF YOU DESIRE TO MAKE NOMINATIONS FOR MORE THAN ONE PERSON, PLEASE PHOTOCOPY THIS FORM.

Name of Candidate \_\_\_\_\_  
 Address \_\_\_\_\_ Phone: \_\_\_\_\_  
 Job Title \_\_\_\_\_  
 Work Location \_\_\_\_\_

Membership:

- ASCE .....  Yes  No  
 Phila. Section .....  Yes  No  
 Age (if applicable) .....

Registration Information

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Award(s) Nominated To—

Check One (or more if applicable)

- 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
- Geotechnical Engineer of the Year
- Structural Engineer of the Year
- Construction Engineer of the Year
- Transportation Engineer of the Year
- Water Resources Engineer of the Year

Academic Degrees —

Other Professional Societies —

Civic or Charitable Activities —

Continuing Education —

Other Awards or Honors: \_\_\_\_\_  
 \_\_\_\_\_

Nominated by: Name \_\_\_\_\_  
 Member I.D. (see Newsletter label) \_\_\_\_\_  
 Address \_\_\_\_\_  
 Telephone Number \_\_\_\_\_

Achievements — (In 200 words or less, that supports the candidate's nomination, please use separate sheet.)

Return Form to: John E. Durrant, Philadelphia Water Dept., 7th & Lehigh Avenue, Phila., PA 19133 (215) 225-3977

or: Robert Wright, Philadelphia Department of Streets, 920 Municipal Services Building, Phila., PA 19102 (215) 686-5538

**FEBRUARY MEETING****February 10, 1987 Engineers' Club****By Dave Perri and Sid Robin****The Asbestos Problem is Analyzed**

A splendid turnout of more than 100 Phila. Section Members, students and guests braved the bitterly cold, snowy evening to attend the regular monthly dinner-meeting and enjoyed an enlightening presentation on the subject: "**Environmental and Engineering Concerns of Asbestos Removal.**" Principal speakers were: **Edward Doheny, Ph.D.**, Associate Professor of Civil Engineering; and **Lester Levin, C.I.H.**, Professor of Industrial Hygiene, both of Drexel University, who provided insight into the physical properties of asbestos, its health hazards and effects, and abatement methodology.

**Penn and Widener Night**

The Student Chapters, Faculties, Alumni and Civil Engineering Departments of the University of Pennsylvania and Widener University were honored at the meeting.

Phila. Section President Al Tantala introduced Penn's ASCE Student Chapter President **Ian Grobel**, who thanked the Section for honoring its representatives. He presented his fellow Chapter officers and student colleagues in attendance: **Gilbert Sotelo**, Vice President; **Christopher Arriz**, Treasurer; **Reed Brockman**, Secretary; **Ms. Hin-Man Lau**, Past President; **Ms. Cissy Seeto**, Past Vice President; and **Ms. Elizabeth Troop**, Past Vice President. Ms. Lau and Ms. Troop are graduate students, and Ms. Seeto is a senior. **Dr. Frederic Roll**, Past President of the Phila. Section, represented the Penn faculty. There were also many U of PA alumni in attendance who rose to be acknowledged.

President Grobel explained the recent consolidation of engineering curricula at Penn, in which the Departments of Civil Engineering and Systems Engineering have been combined into a new and broadened Department of Systems. Civil Engineering specialty in the classical and historic sense no longer exists at Penn. But the ASCE Student Chapter is alive and well, and it is functioning to rebuild and maintain its former individual identity within the Civil Engineering community. The Chapter's team ran off with almost all the honors in last Spring's Concrete Canoe Races. It conducts field trips to major projects, and invites distinguished lecturers to its meetings. Mr. Grobel hopes that the new curricula arrangement will inspire new initiatives into Civil Engineering training objectives.

**Widener Well Represented**

Widener University ASCE Student Chapter Advisor, **Dr. Ronald L. Mersky** described several innovations in the undergraduate and graduate programs in Civil Engineering. These include lecture courses featuring practicing engineers, environmental specialties and major research projects. An exciting administrative development at the University is that Civil Engineering is now separate and independent; previously, it was combined with the Mechanical Engineering Course. Dr. Mersky is confident that this promises great advancements for the future.

**Tony Guerrieri**, President of the Widener ASCE Student Chapter, thanked the Section for its courtesies, and introduced his fellow officers and others in the Widener delegation: **Chris Bergeman**, Vice President; **Steve Nardelli**, Secretary; **George Bock**, Treasurer; Faculty members **Vicki L. Brown**, Lecturer and Instructress; and **Mr. Takis Salpeas**, Adjunct Professor of Transportation. The large contingent of about 25 students and alumni in attendance also rose in acknowledgement.

Mr. Guerrieri reviewed the rapid growth in recent years of the Civil Engineering Department and the ASCE Student Chapter. He is gratified at the Chapter's involvement in Section activities, as evidenced by the great turnout at the meeting. The Chapter members have consolidated into a cohesive group which aggressively pursues progressive agendas, including: high school career days to promote Civil Engineering interest; engaging guest speakers at meetings; field trips to public works; participation in ACI contests and programs and the Annual Regional ASCE Student Chapter Conference and Paper Competition (which Widener hosted in 1986); as well as athletic competitions, such as volley ball and the Concrete Canoe Races. Mr. Guerrieri is confident that the Widener University ASCE Student Chapter will continue to be a growing force in the academic and professional community of the Delaware Valley.

**Dr. Doheny on Structure and Usage**

**Dr. Edward Doheny** began with an overview of the structure and physical properties of the material. He emphasized that asbestos is not a manufactured substance, but a naturally occurring mineral. It is a member of the silica family of minerals and is mined in the United States, Canada, South Africa and Europe. The physical properties of asbestos that create a demand for its usage include high fiber strength, durability, chemical inertness, resistance to acid/alkaline attack and thermal resistance. In the past, approximately 70% of the 240,000 tons used annually in the United States has gone into construction materials. Dr. Doheny stated that 3000-4000 products contain asbestos fibers, including pipe insulation, brake linings, and roofing and flooring materials. Fortunately, the material can be easily identified in a laboratory through microscopic observation, X-ray techniques, or chemical analysis.

**Health Effects**

The health impact of asbestos exposure and asbestos abatement methods were described by **Lester Levin**. Professor Levin, and industrial hygienist, explained that once asbestos fibers enter the lung they remain, causing continuous damage and scarring of lung tissue. Asbestos-related disease typically develops 20 to 40 years after exposure. Related diseases include lung cancers and asbestosis. Studies revealed that in some locations up to 30% of ship insulators working in Navy yards during World War II contracted asbestos-related diseases.

**Abatement Techniques and Disposal**

The pros and cons of various abatement techniques including enclosure, encapsulation and removal were presented by Dr. Levin. In response to disposal problems,

British scientists are currently researching a technique to produce ceramic brick from asbestos materials. The heat involved in the baking process destroys the health hazards associated with asbestos fibers. Professor Levin concluded the extraordinary program by fielding questions on allowable exposure limits, effects of asbestos in drinking water, liability and other pertinent topics.

**The Drexel Program**

Drexel University is E.P.A. certified as an asbestos abatement training center. For more information on conferences and workshops available at Drexel, contact the Office of Continuing Education at (215) 895-2156.

**Questions and Answers**

A comprehensive question and answer discussion with the audience followed Professors Doheny's and Levin's talks. Comments from specialists in asbestos analysis in construction added to the interest of the outstanding presentations of our speakers.

President Tantala presented the Section's Certificate of Appreciation to each of our distinguished guests.

Kudos are extended to the Section's Water and Environmental Engineering Group for arranging this excellent meeting; particularly to Group Chairman **John E. Tunnell** and **Dr. J. Richard Weggel**, Past Chairman of the Group.

**de KOVACS WINS AWARD**

**Mr. Jozsef L. de Kovacs, C.C.M., C.F.E.**, Executive Manager of the Engineers' Club of Philadelphia, has been awarded the Certified Food and Beverage Executive designation by the Educational Institute of the American Hotel and Motel Association (AH&MA). This announcement comes from Dr. Stevenson W. Fletcher, CEOE, CHA, Chairman of the Institute's Certification and Department Head/Professor, Department of Hotel, Restaurant & Travel Administration, University of Massachusetts.

The Certified Food and Beverage Executive is one of the highest credentials offered by the Educational Institute. To qualify for this distinction, hotel/motel executives must demonstrate academic achievement and industry achievement.

The Educational Institute is the nonprofit educational foundation of the American Hotel and Motel Association. It provides continuing learning opportunities for lodging industry employees at all levels who wish to advance their careers through study and certification.

Mr. de Kovacs has already received from the Club Managers Association of America the designation of Certified Club Manager, and from the International Food Service Executives Association the designation of Certified Food Executive.

He is a four time First Prize winner of the Societe Culinaire Philanthropique, the Salon of Culinary Art.

★★★★★★★★

*For those who believe, no explanation is necessary. For those who don't believe, no explanation is possible.*

## TECHNICAL GROUP DETAILS

Section members will notice in the 1987 dues bill from National ASCE Headquarters, includes assessment for membership in one Phila. Section Technical Group of your choice. *If you choose to be a member of more than one Group, please add \$1.00 for each Group.*

*The appropriate individuals to contact are the following:*

### Liaison

Susan Lior

Peer Systems, Inc.  
1218 Chestnut St.  
Philadelphia, PA 19107  
(215) 925-3196

### Younger Member Forum

Anthony M. Micciolo, Chairman

Phila. Water Department Design Branch  
One Reading Center, 2nd Floor  
Philadelphia, PA 19107  
(215) 592-6088

### Construction

Fredric L. Plotnick, Chairman

806 Hillton Lane  
Elkins Park, PA 19117  
(215) 487-1443

### Engineering Management

Madeline Salomon, Chairman

Peer Systems, Inc.  
1218 Chestnut St.  
Philadelphia, PA 19107  
(215) 925-3196

### Geotechnical

Moustafa A. Gouda, Chairman

Lippincott Engineering Associates  
501 Burlington Avenue  
Delanco, New Jersey 08075  
(609) 461-1239

### Structural

Timothy H. Haahs, Chairman

Walker Parker Consultants  
2 Penn Center Plaza  
Philadelphia, PA 19102  
(215) 751-9555

### Transportation and Urban Development

William T. Thomsen, Chairman

Urban Engineers  
300 N. 3rd Street  
Philadelphia, PA 19106-1193  
(215) 922-8080

### Water and Environmental Engineering

John E. Tunnell, Chairman

U.S. Army Corps of Engineers,  
Phila. District  
U.S. Custom House  
2nd and Chestnut Streets  
Philadelphia, PA 19106  
(215) 597-4714

## THINK SPRING!! THE ANNUAL SPRING SOCIAL APPROACHES

Saturday, June 13, 1987

Colleen's Restaurant and Towne Hall

Parke Towne Place, 2200 Benjamin Franklin Parkway, Phila., PA

DINNER, DANCING, FUN!!

Mark Your Calendar NOW!!

## ACI MARCH PROGRAMS

The Delaware Valley Chapter, American Concrete Institute, announces two important programs for March, 1987 which are of interest to engineers, architects, contractors, materials suppliers and testing personnel:

### HIGH STRENGTH CONCRETE SEMINAR

Date: **Tuesday, March 17, 1987**

**Dunfey City Line Hotel**, City Line Ave. and Monument Road, Philadelphia, PA  
Registration - 8:00 A.M. Special fee for Students and Professors.

The program will determine why high-strength concrete (6,000-10,000 psi or more) is proving economical and necessary in many building applications today. There is no reason why Philadelphia should lag behind other cities in this important development in concrete design.

Full full information and registration details, call **Randy Cronin, (215) 699-5613**; or **Helm Wilden, (215) 966-3935**.

### ACI MEETING --

#### PORTLAND CEMENT STUCCO

Date: **Tuesday, March 31, 1987**

**The Engineers' Club**, 1317 Spruce St. Philadelphia, PA

Dinner - 6:45 P.M. (\$15.00)  
Program - 7:30 P.M.

"Understanding Design and Application of Portland Cement Stucco" will be discussed by **Jacob W. Ribar**, Principal Masonry Research Engineer, Portland Cement Association. Mr. Ribar has an unusual background as a bricklayer and cement mason, combined with his research activity at PCA. He will explain the problems of water permeance and cracking in stucco, widely used in repair and rehabilitation work.

For reservations, please call **Randy Cronin** by **Friday, March 27, 1987, (215) 699-5613**.

## PIERCE MODERATES AIA - CEC PANEL DISCUSSION

The Architects and Engineers Committee of the Philadelphia Chapter, American Institute of Architects (AIA), and the Interdisciplinary Committee on Architect-Engineer Concerns, Consulting Engineers Council of PA (CEC) invite Phila. Section, ASCE members to a Dinner Meeting and Panel Discussion on the intriguing subject of "Who Gives Whom the Business?", on **Tuesday, March 24, 1987** at the **Holiday Inn, Independence Mall, 400 Arch Street, Phila., Pa (215) 923-8660**.

Cocktails - 5:45 P.M.

Dinner - 6:45 P.M.

Meeting - 7:45 P.M.

Moderator is Phila. Section Past President **Ira N. Pierce, P.E., C.E.C.**, President, Kassner-Pierce, Consulting Engineers and Architects.

Panelists include: **Alan L. Fishman, A.I.A.**, Principal, GBQC, Architects; **Robert B. Yeomans, P.E., C.E.C.**, President, Paul H. Yeomans, Inc., Consulting Engineers; **Bennett Levin, P.E., C.E.C.**, President, Levin Alderson Lare, Inc., Consulting Engineers; **Charles S. Hough, A.I.A.**, Partner, Hayes & Hough Architects.

Topics to be considered include: **Contracts/compensation/document ownership**; **Quality Control** in the preparation of documents; **Construction Services** - shop drawings, field visits, job meetings, punch lists, guarantees; and **Client Expectations** - what service have we given? What did the client expect?

The meeting will provide a forum for architects and engineers to discuss their mutual problems, and to exchange advice and opinions on the complex process of design and construction of projects.

For full information and registration forms, please contact The Philadelphia Chapter, A.I.A., 117 S. 17th St., Phila., PA 19103, **(215) 569-3186**; or Mr. Pierce's office (attn: **Ms. Debbie Brooks**), The Bourse Building, 21 s. 5th St., Suite 650, Phila., PA 19106, **(215) 238-0222**.

The recently formed Architects/Engineers Committee is an interdisciplinary group working together to improve the relationship between Architects and their Consulting Engineers, through seminars, exchange programs, publications, and a sharing of concerns.

## WOMEN'S AUXILIARY

### March Meeting

After a two-month winter hiatus (there were no regular Luncheon Meetings in January or February, 1987), the Section's Women's Auxiliary resumes its activities with a very interesting program on **Wednesday, March 18, 1987**. Featured will be a tour of the Goldie Paley Design Center of the Philadelphia College of Textiles and Science, East Falls, Philadelphia. There will be an exhibition of textile art from around the world - collections of laces, costumes, fabrics, etc.

Luncheon will take place at the **Green Hedges Restaurant** in nearby Germantown - **6020 Green Street - 12:00 noon**. The tour will follow the luncheon.

For reservations, directions and full details, please call **Mary Ellen (Mrs. Warren R.) Van De Vort, (215) 483-0714**.

Auxiliary members are urged to recruit Philadelphia Section member spouses to join the splendid organization and to take part in its varied and interesting activities. For more information and applications for membership, please contact Membership Chairman **Marie (Mrs Kenneth J.) Zitomer** at **(215) 548-5324**.