

# the news



Non-Profit Org.  
U. S. POSTAGE  
**PAID**  
Philadelphia, Penna.  
Permit No. 1845

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

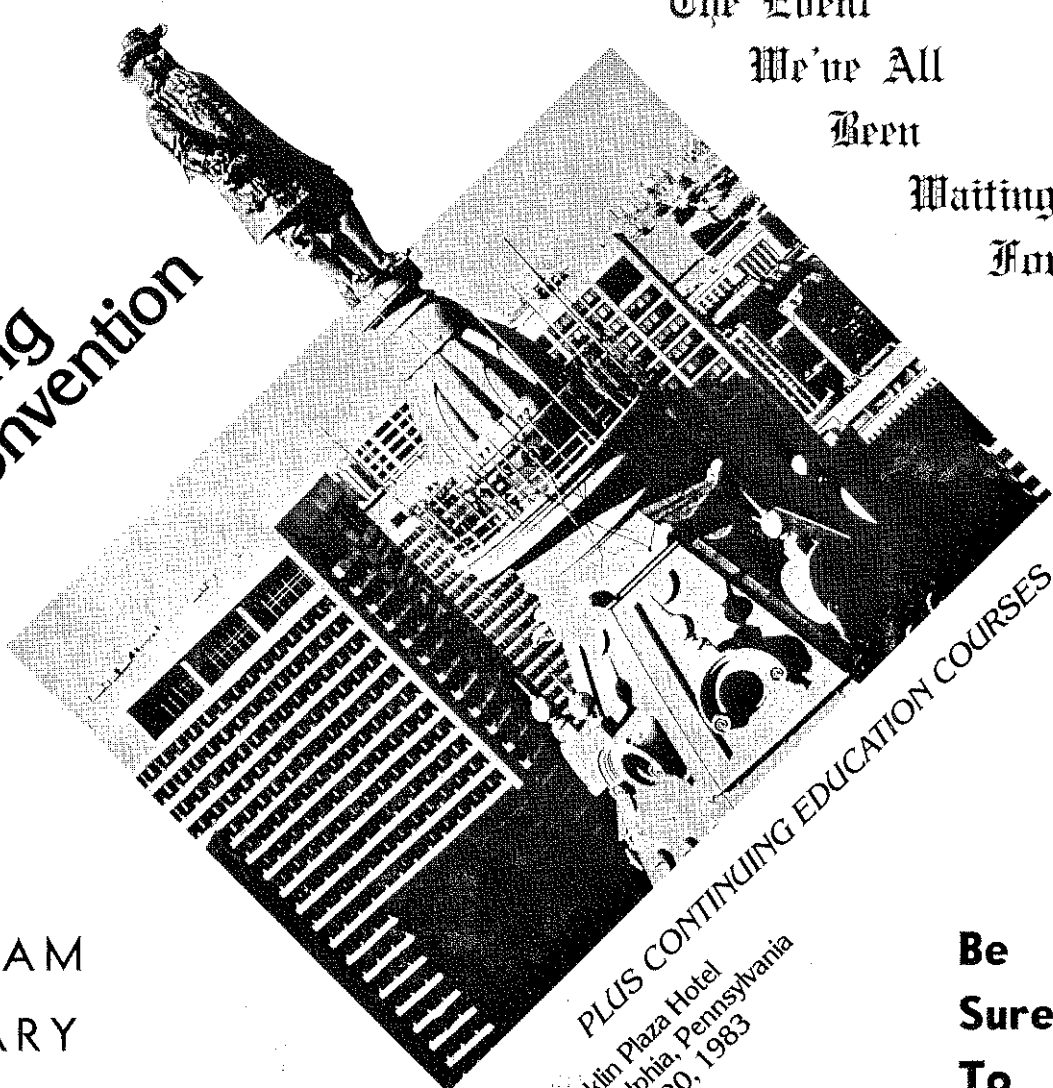
VOL. 55 - 7

OUR 70th YEAR

April - May, 1983

ASCE  
1983  
Spring  
Convention

The Event  
We've All  
Been  
Waiting  
For!!!



SEE  
PROGRAM  
SUMMARY  
INSIDE

PLUS CONTINUING EDUCATION COURSES  
Franklin Plaza Hotel  
Philadelphia, Pennsylvania  
May 16-20, 1983

Be  
Sure  
To  
Attend

# SUMMARY

## Technical

SAT.-SUN., MAY 14-15

MONDAY, MAY 16

SAT.-SUN.

BOARD OF DIRECTION

8:30 A.M.  
to  
11:00 A.M.

11:00 A.M.  
12:30 P.M.

SUN. TOURS

- Philadelphia Overview
- Atlantic City
- Candlelight Tour

EVENING

THURS.-FRI.-SAT., MAY 12-14

1. Operating a Consulting Firm
- FRI.-SAT.
2. Microcomputers for You: Selection & Applications
  3. Construction Project Administration & Field Management
  4. The Design & Construction of Reinforced Masonry Structures

9:00 A.M.  
to  
5:00 P.M.

SUN.

5. Effective Marketing of Professional Services
  6. Project Planning & Scheduling
- SUN.-MON.
7. BASIC Programming for Civil Engineers
  8. Writing for Engineers

- 1-S1.1-Seismicity & Seismic Design for Structures: Site Seismicity & Design Earthquake Selection
- 2-ST-Tutorial on Computer Graphics for Engineers With Knowledge of FORTRAN
- 3-ST-Innovation in the Repair of Damaged Structures — I
- 4-ST-Aesthetic Expression in Engineering Structures
- 5-CO-Construction Management: Case Studies
- 6-HW-Innovative Use of Computers to Improve Traffic & Highway Safety
- 7-RE-Innovations in Energy Development: Application to Underground Mining — I
- 8-CS-Public Hearing on Standards
- 9-PP-Ethics & Professional Practice

- Philadelphia Overview Tour
- Franklin Institute Walking Tour

11:00 PAC A

KEYNOTE LUNCHEON

- 10-S1.2-Seismicity & Seismic Design for Structures: Seismic Design of Embankment Dams
- 11-S2.1-Engrg. Aspects of Groundwater Hydrology & Geology of Northeastern Pennsylvania Systems
- 12-S3.1-Personnel: Recruiting, Interviewing, Selecting & Hiring
- 13-ST-Innovation in the Repair of Damaged Structures — II
- 14-ST-Base Isolation of Structures
- 15-PH-Philadelphia Section Session
- 16-CO-Social Concerns in Construction
- 17-HW-Perf. Evaluation of Pavements and Design for Maint. & Rehabilitation
- 18-RE-Innovations in Energy Development: Application to Underground Mining — II

ICEBREAKER PARTY

7. BASIC Programming for Civil Engineers
8. Writing for Engineers
9. Improving Management Skills for Engineers
10. Negotiating Skills & Strategies
11. Storm Sewer Design

### ASCE 1983 SPRING CONVENTION

The host Philadelphia Section is obligated to provide Technical Session Assistants at the 1983 ASCE National Spring Convention, May 16-20, 1983, Franklin Plaza Hotel, Philadelphia. Anyone interested in volunteering to help in this effort please contact **Ed Wallo** for detailed information at, (215) 645-4960. Those who volunteer to work for a half day will get a free day registration.

**NOTE:** For full details of technical sessions, continuing education courses, special breakfasts, luncheons, dinners, social functions, field trips, tours, spouse activities, student events, etc., please refer to ASCE Official Convention Booklet mailed to members in March, 1983; or see **Civil Engineering** magazine, February, 1983.

Be sure to complete the registration and functions order form enclosed with this issue of **THE NEWS**, and return it with payment check, as directed on form, to **Convention Dept., ASCE, 345 East 47th St., New York, NY 10017.**

**THE PRESIDENT'S MESSAGE**

As my term of office draws to a close, I want to thank all of the Section members who made my job so easy. It was a pleasure for me to serve in this office. It was an honor to be President of the Philadelphia Section, ASCE.

In a brief review of this year's efforts, notable contributions were made by **Leo O'Connor** and his Committee members in preparing for the ASCE Spring Convention. We are at a point now that all of the sessions are planned and most of the details are tied down. We now need your physical participation at the Convention events. Also, we need the financial support of your companies by their being patrons in the Convention program brochure. If they have not subscribed, please ask them to do so. Contact **Chuck Pennoni**.

The work of our Section meeting Committee members, **Ira Pierce** and **Charlene O'Connor**, was excellent. Two of the six Tuesday evening meetings played to standing room only crowds. We did not have enough room to feed everyone. When you stand up in front of the meeting, you are very aware of the Section members in the back of the auditorium who are making sure that everything is going right. **Charles Denny**, **Tom Laurer**, **Sid Robin**, **Joe Syrnick** — many thanks.

One dividend of our December meeting on Construction Liability was that we found an interest in the formation of a new Technical Group. In March, the Engineering Management Technical Group held its first meeting. Thirty people attended. This Technical Group will conduct a continuing education seminar during the Spring National ASCE Convention. They are already planning for next year's Technical Group meetings.

The meetings of our other Technical Groups were again very good. The Technical Groups perform the detailed educational effort of our Local Section. They can perform well if the membership participates in the meetings and requests meeting topics that will be of interest.

Last year was membership year for ASCE. I am happy to report that the Philadelphia Section had the third highest percent increase nationally for Sections with membership greater than 1000 members. **Dave Barr** and his Committee members are to be congratulated for their fine work.

Also, last year, **Sid Robin** received a Certificate of Commendation from the National ASCE for the quality of our newsletter, THE NEWS. This year THE NEWS was even better. Sid, without THE NEWS the Section could hardly operate. On behalf of all of the members, many thanks.

In closing, I want to thank the Board members for their cooperation and I want to express my best wishes and support for **Bill Malarkey**, our next President.

I hope to see all of you at the Spring Convention and at our Section meetings next year.

Sincerely,

Bernard M. McNamee, **President**,  
Philadelphia Section, ASCE

\*\*\*\*\*

**WOMEN'S AUXILIARY**

**May Meeting at Whitemarsh**

The final Auxiliary function of the 1982-1983 season will be the popular Luncheon-Meeting at the **Whitemarsh Country Club**, Lafayette Hill, Pa., on **Wednesday, May 11, 1983, 12:00 noon**. New officers for 1983-1984 will be installed; and **Mrs. Arlene Finston** will be featured in "Demonstration in Sculpturing." Guests are welcome. For reservations please call **Mary Ellen (Mrs. Warren R.) Van deVort**, (215) 488-0714.

**Convention Spouse Program**

Because of the proximate timing of the **1983 ASCE National Spring Convention**, to be hosted by the Philadelphia Section **May 16 - 20, 1983**, the Section's Annual Spring Social will not be held this year.

It is hoped and expected that all

Phila. Section Women's Auxiliary members will be registered for the extensive Spouse Program scheduled for the Convention at the Franklin Plaza Hotel, Philadelphia. National ASCE extends a warm welcome to the Auxiliary and invites the members to join in all the activities.

The Spouse Hospitality Headquarters will be located in the Franklin Plaza Hotel, and will be open Monday through Thursday beginning at 8:30 A.M. Spouses may meet to enjoy a complimentary continental breakfast as they plan their day's activities. Information will be provided on sightseeing, shopping, restaurants, etc.

For full details on the activities, including field trips, tours, breakfasts, luncheons, dinners, parties; cultural, historical and social functions, etc., please refer to pages 8, 9, 10, 11 of the official

**Editorial**

**COMPETENCE IN A PRESIDENCY**

When he assumed the office of President of the Phila. Section, ASCE in May, 1982, **Dr. Bernard M. McNamee** was "apprehensive" about his ability to maintain the growth and standards of excellence set by his distinguished predecessors. His own doubts were dissolved when he experienced the splendid assistance of his fellow officers, the Board of Directors, Technical Group officials, Committee Chairmen and many members in carrying out his progressive policies and innovations in the operation of the Section. Nor did he neglect or ignore the many suggestions, criticisms, ideas and contributions of energies of the General Membership — inviting all to discuss matters with him in person at any time.

The 1982-1983 season witnessed excellent attendance at Main Section and Technical Groups meetings and social functions; the continuing successful activity of the Women's Auxiliary, which celebrated its 50th anniversary in 1982; and fulfillment of Dr. McNamee's major goal of broader participation by members and their employers (and employees), consulting firms, contractors and building companies, and materials manufacturers and allied professions in the activities of the Phila. Section, ASCE.

President McNamee and the Phila. Section now look forward to the 1983 National ASCE Spring Convention, to be hosted by the Phila. Section in May. Months of intense preparation by the Section's Convention Committee will insure a technical and social success for the event.

The Phila. Section is proud and gratified to have experienced the Presidency of Bernard McNamee. We take comfort in the confidence that his presence and creative abilities will be ours from which to benefit for many years to come. Thank you, Mr. President, for a job well done!

And now we welcome incoming President **William M. Malarkey**. He will receive the legacy of a master teacher to guide him in his duties; and he will have competent, willing assistance from the other officers and Section affiliates, and the encouragement of the entire Section membership to help him in his difficult tasks. Welcome aboard, Bill!

program brochure of the Convention which Phila. Section members received from National ASCE Headquarters in March, 1983.

## T & U D Group Budd Company Tour

by Sheldon Kinbar, Secretary

On March 26, 1983, the Phila. Section's Transportation and Urban Development Group toured the Budd Company's Red Lion Plant in Northeast Philadelphia. Approximately 24 Section members and guests showed up for the Saturday morning tour of the rail-car manufacturing plant.

We were greeted with coffee and danish and a slideshow about the history of Budd's railcar manufacturing operation. Next, we had a ride on a Budd SPV (self propelled vehicle), the successor to Budd's well known RDC (rail diesel car). Finally, we had a very interesting tour of the plant, conducted by Budd engineers.

The plant is engaged in complete  
(continued on page 6)

## THEODORE DAVIS



Ted and Eleanor

With grief at the loss of a dear personal friend, your Editor sorrowfully reports the death, on April 4, 1983, of Theodore Davis, after an extended illness. Until his retirement from the office in the Spring of 1981, Ted Davis served faithfully as Philadelphia Section Treasurer for 25 years. He was named Treasurer Emeritus and continued to serve on the Board of Directors since his official retirement. For a two-year period (1961-1963) he served simultaneously as Treasurer and Membership Secretary.

As was characteristic of his overall nature and temperament, he served in the difficult and demanding offices unobtrusively, ungrudgingly, and with the highest efficiency. But Ted's duties and accomplishments far exceeded the bounds of normal official function. He was ever the expediter, coordinator and "leg-man" for updating membership lists, grade classifications and changes of address, working closely with and coordinating the business of the Section Secretary; Membership Committee; the Associate Member Forum; Technical Groups; Officers and Board of Directors; Administrative, Society Affairs and Special Tasks Committee. As Section liaison to the Board of Trustees of the Richard Humphrey Memorial Fund, he was constantly on the alert to the financial interrelationships between the Fund and the Section Operating Treasury. Every month, he prepared a clear, concise financial statement detailing the Section's income and expen-

ses, for examination and approval by the Board of Directors at their meetings.

If any Section business or function was in question or required completion or clarification, the conventional wisdom was to "... ask Ted Davis ..."

Just in case his ASCE work was not enough, Ted Davis filled out his time among an infinite variety of other activities. He conducted a Consulting Engineering practice in partnership with Section Past President Milton W. Rothbaum (trading as Rothbaum & Davis, Philadelphia) for many years, until the firm dissolved when Ted retired in March, 1980. Ted served for several years as a Councilman of the Borough of Hatboro, and sat on administrative and educational committees. In addition to ASCE, he was a member of other professional organizations, including the Penna. Society of Professional Engineers, the Society of American Military Engineers and the Engineers Club, Philadelphia. A major in the Army, he served overseas in World War II and the Korean War.

At the charming Hatboro home which Ted shared with his lovely wife, Eleanor, and in which they raised two fine sons: Stephen and John, Ted indulged in his favorite hobby, cabinet-making, in which he was recognized as an outstanding craftsman. Eleanor and Ted pridefully engaged in extensive vegetable gardening and horticulture. Each year as Springtime approached, they headed for their favorite lake and summer home or the seashore to enjoy their favorite sports: fishing, camping and beachcombing.

As one, all of Ted Davis' professional associates, military colleagues and buddies, family, friends and neighbors recognized his qualities as a strong, sincere, competent individual who lived his own life to the fullest; and who contributed generously of himself whenever he was asked. This is the great and everlasting legacy to us who knew him as a close friend and associate.

To Eleanor — a Charter Member of the Section's Women's Auxiliary — and their sons and their families, the Philadelphia Section, ASCE extends its hand and heart in deep-felt sympathy. We hope that they may find comfort in the assurance that we, as they, will not forget him.

### PHILA. SECTION, ASCE OFFICERS 1982 - 1983

#### PRESIDENT

Bernard M. McNamee

#### VICE PRESIDENTS

William M. Malarkey John E. Durrant

#### SECRETARY

Albert M. Tantala

#### ASSISTANT SECRETARY

Edward Lutz

#### TREASURER

Charles J. Denny

#### TREASURER EMERITUS

Theodore Davis

#### MEMBERSHIP SECRETARY

David M. Barr, III

#### DIRECTORS

Francis J. Depman, Jr. Klaus Fuelleborn  
Thomas J. Lauer Dennis Mohan  
Charlene O'Connor Ira N. Pierce

Carl A. Vath, Jr.  
(Reading Branch)

#### PAST PRESIDENTS

Kenneth J. Zitomer Joseph R. Szyrnick  
Frederic Roll

President — Dr. Bernard M. McNamee  
Dept. of Civil Engineering  
Drexel University  
Philadelphia, PA 19104  
(215) 895-2369

Secretary — Albert M. Tantala  
Tantala Associates  
4903 Frankford Ave.  
Philadelphia, PA 19124  
(215) 289-4660

#### PUBLICATIONS COMMITTEE

Sidney Robin  
Chairman and Editor of THE NEWS  
Joseph R. Szyrnick  
Assistant Chairman and Associate Editor  
Staff Writer  
John E. Spitko, Jr.  
Publications Coordinator  
Albert M. Tantala  
SEND COPY TO:  
Sidney Robin  
64 Nancy Drive  
Richboro, Pennsylvania 18954  
Phone: (215) 322-7464

# SPECIAL OFFER TO ASCE MEMBERS and GUESTS

Mark your calendar for Wednesday Evening, May 18th at 8:30 P.M. to hear the

## PHILADELPHIA FESTIVAL CHORUS SING OPERA, OPERETTA, BROADWAY

with the

### PHILADELPHIA FESTIVAL ORCHESTRA

MARY WOODMANSEE GREEN, Artistic Director

ACADEMY OF MUSIC

Broad and Locust Streets

Excerpts from "CARMEN" and "MERRY WIDOW"

Selections by GEORGE M. COHAN, IRVING BERLIN, SIGMUND ROMBERG,  
ROGERS AND HAMMERSTEIN AND MITCH LEIGH

---

This concert will be the focal point of the Spring Convention. Through a special arrangement, the Phila. Section is able to offer \$12 orchestra tickets to ASCE Members and their guests at the SPECIAL PRICE of \$10. Tickets may be reserved by returning the coupon below with your payment or by calling Joe Syrnick at 686-5538. (Note: If you are using the reverse side of this order blank you may send a copy or facsimile of this form.)

---

### ORDER FORM

Please reserve ..... Tickets for the Philadelphia Festival Chorus  
and Orchestra Concert, May 18th, 1983 at 8:30 P.M.

(Enclosed is \$.....(\$10 per Ticket).

Name .....

Address .....

Telephone No. ....

Return form to Joseph Syrnick, Streets Department, 920 Municipal Services Building, Philadelphia, PA 19107. (Do Not Send Cash).

# 1983 ASCE National Spring Convention Registration & Functions Order Form

Fill In Completely      Please Print Clearly

First Name	Last Name
Title	
Company	
Address	
City/State	Zip Code
Tel. No.	

Check:  
 ASCE Member  
 Other

Address While Attending Convention  
 (Hotel, Home, etc.) \_\_\_\_\_

Spouse First Name (if attending) \_\_\_\_\_  
 (Telephone) \_\_\_\_\_

Please Circle

### REGISTRATION FEES

	Pre-Reg.	On-Site	Amount
<b>0.</b> Member, ASCE & Founder Societies .....	\$150.00	\$175.00	\$ _____
<b>1.</b> Non-Members .....	\$175.00	\$200.00	\$ _____
<b>Daily Registration (One Day)</b> — Day must be circled			
<b>2.</b> Member, ASCE & Founder Societies    What Day — Mon.    Tues.    Wed.    Thurs. ...	\$ 65.00	\$ 75.00	\$ _____
<b>3.</b> Non-Members    What Day — Mon.    Tues.    Wed.    Thurs. ...	\$ 75.00	\$ 85.00	\$ _____
<b>Daily Registration (Two Days)</b> — Days must be circled			
<b>4.</b> Member, ASCE & Founder Societies    What Days — Mon.    Tues.    Wed.    Thurs. ...	\$130.00	\$150.00	\$ _____
<b>5.</b> Non-Members    What Days — Mon.    Tues.    Wed.    Thurs. ...	\$150.00	\$170.00	\$ _____
<b>6.</b> Spouse — Weekly .....	\$ 30.00	\$ 40.00	\$ _____
<b>7.</b> Student — Weekly .....	\$ 10.00	\$ 10.00	\$ _____
<b>8.</b> Special Seminar — Wednesday, May 18 (See Page 19) .....	\$ 75.00	\$ 85.00	\$ _____

Please Circle

### ACTIVITIES

	Price	No. of Tickets	Total
<b>Sunday, May 15</b>			
<b>A.</b> Philadelphia Overview	\$ 11.25	_____	\$ _____
<b>B.</b> Atlantic City	\$ 12.00	_____	\$ _____
<b>C.</b> Candlelight Tour    Circle Day: Sun. — Mon.	\$ 7.00	_____	\$ _____
<b>Monday, May 16</b>			
<b>D.</b> Philadelphia Overview & Lunch	\$ 22.75	_____	\$ _____
<b>E.</b> Keynote Luncheon	\$ 18.00	_____	\$ _____
<b>Tuesday, May 17</b>			
<b>F.</b> Engineering Education Breakfast	\$ 10.00	_____	\$ _____
<b>G.</b> Field Trip: Southwest Water Pollution Control Plant	\$ 6.00	_____	\$ _____
<b>H.</b> Longwood Gardens/Hagley Museum & Lunch	\$ 28.00	_____	\$ _____
<b>I.</b> Independence Walking Tour    Circle Day: Tues. — Wed. — Thurs.	\$ 7.00	_____	\$ _____
<b>J.</b> Limerick Generating Station	\$ 6.00	_____	\$ _____
<b>K.</b> Engineering Management Dinner	\$ 40.00	_____	\$ _____
<b>L.</b> William H. Munse Symposium Dinner	\$ 35.00	_____	\$ _____
<b>Wednesday, May 18</b>			
<b>M.</b> Germantown Mansions	\$ 23.00	_____	\$ _____
<b>N.</b> Field Trip: Center City Railway Commuter Tunnel	NC	_____	NC
<b>O.</b> President's Luncheon	\$ 18.00	_____	\$ _____
<b>P.</b> I-95 Completion & Airport High Speed Line	\$ 6.00	_____	\$ _____
<b>Q.</b> Philadelphia Festival Chorus & Orchestra	\$ 10.00	_____	\$ _____
<b>Thursday, May 19</b>			
<b>R.</b> ASCE Leadership Breakfast	\$ 5.50	_____	\$ _____
<b>S.</b> Pennsylvania Dutch Country & Valley Forge	\$ 28.00	_____	\$ _____
<b>T.</b> Atlantic City	\$ 12.00	_____	\$ _____

Convention Registration Fees: \$ \_\_\_\_\_  
 Convention Activities: \$ \_\_\_\_\_  
 Total: \$ \_\_\_\_\_

**Please complete if paying by Credit Card:** Payment Assured by my Credit Card ( American Express     Visa     Master Charge)

Credit Card and Number \_\_\_\_\_

Expiration Date \_\_\_\_\_ Signature \_\_\_\_\_

**Make checks payable to ASCE and send to: Convention Department, ASCE, 345 East 47th Street, New York, New York 10017**  
**All checks should be in U.S. Dollars and drawn on U.S. Banks**

\_\_\_\_\_ I am interested in attending the Brooklyn Bridge Centennial Celebration, please send more details.  
 \_\_\_\_\_ I am interested in attending the Metropolitan Section Annual Dinner Dance, please send more details.

1983

Philadelphia Section ASCE
SALARY AND BENEFITS SURVEY



In order to aid our members and their employers to determine, intelligently, satisfactory salaries and benefits, the Philadelphia Section of the American Society of Civil Engineers is making a bi-annual survey of its members. Please complete this questionnaire, fold so that the Engineers' Club address is on the outside, staple, and return as soon as possible. The results will be published in the First Newsletter after the summer.

A PERSONAL DATA

- 1. Age
2. Years of full-time employment
3. Education (Check highest level)
4. ASCE Membership Grade
5. Registration
6. Other Membership

Indicate the number of Professional/ Technical Organizations other than ASCE of which you are a dues-paying member (i. e. NSPE, ACI, AWWA, ASTM, etc.)

B EMPLOYMENT DATA

- 1. Income source
2. Type employer or self-employment (check one)

- d State Gov.
e Municipal, local or Regional Gov. or Auth.
f Utility (Private & Pub.)
g Manufacturer
h Education
i Sales
k Other (explain)
3. Primary Responsibility (Check one)
4. Number of different employers since graduation
5. Years with current employer

C SALARY AND BENEFITS

- 1. Salary (incl. normal overtime)
2. If bonus or commissions are paid in addition to above salary, indicate expected amount per year
3. Are you a salaried employee?
4. How many hours per week (on the average) do you work?
5. Overtime Remuneration

- 6. Vacation (incl. Admin. Leave, Personal Days, etc.)
7. Holidays
8. Sick Leave (number of days at full salary)
9. Insurance (Company Paid)
a. Hospitalization
b. Major Medical
c. Dental
d. Optical
e. Disability
f. Life

- 10. Pension Plan
11. Profit Sharing
12. Formal severance pay policy
13. Continuing Education tuition reimbursement

14. Do you have any form of Flex-Time? ..... yes ..... no  
 If yes, is format  
 ..... a Core Hour (five 8-hr. days, with variable starting and stopping times)  
 ..... b Core Week (four 10-hr. days, with variable days off)  
 ..... c Other

3. Do you believe your salary, considering your experience and ability, compared to other Civil Engineers, is:  
 ..... much lower  
 ..... lower  
 ..... similar  
 ..... higher  
 ..... much higher

- ..... Core Week (four 10-hr. days, days off variable)  
 ..... Other (describe) .....

7. Do you agree or disagree with the following statements?

- ag. dis.  
 a Registration should be required for all Engineers as a condition of continued employment. ....  
 b Continuing Education should be required to maintain registration. ....  
 c Consulting work may be competitively bid when the requirements are reasonably well defined. ....  
 d Advertising, by engineers, that is not self-audatory is acceptable. ....

D OPINIONS

1. Are you satisfied with your current employment situation?  
 ..... a Unsatisfied  
 ..... b Somewhat unsatisfied  
 ..... c Satisfied  
 ..... d Mostly satisfied  
 ..... e Very satisfied
2. Do you believe that, in your current employment situation, you are performing true engineer work.  
 ..... a Yes  
 ..... b No, primarily administrative, supervisory, business, promotion, etc.  
 ..... c No, primarily technician/draftsman  
 ..... d No, other functions

4. Do you believe your fringe benefits, compared to other Civil Engineers, are:  
 ..... much lower  
 ..... lower  
 ..... similar  
 ..... higher  
 ..... much higher

5. Sick Leave (no. days in each category)  
 ..... 90 - 100% salary  
 ..... 70 - 89% salary  
 ..... 50 - 69% salary  
 Other (explain) .....

6. Would you like to work in a Flex-Time format?  
 ..... yes ..... no  
 If yes, what format?  
 ..... Core Hour (five 8-hr. days, starting and stopping times variable)

Additional comments and suggestions for future questions:

.....  
 .....  
 .....  
 .....  
 .....



MR. J. L. deKOVACS, A.S.C.E.  
 THE ENGINEERS' CLUB OF PHILADELPHIA  
 1317 SPRUCE STREET  
 PHILADELPHIA, PA 19107



## MARCH MEETING

March 8, 1983 Engineers' Club

The Philadelphia Section's March meeting embraced as its subject the saga of the Space Age and engineering's part in its development for mankind. **Jack Dickinson**, Lead Systems Development Engineer, General Electric Company Space Systems Division; and former Project Manager for NASA on the Spacelab Program, Kennedy Space Center, was principal speaker. Mr. Dickinson's general subject was: "Engineering in Outer Space: Spacelab and the Space Shuttle."

### University of Pennsylvania Night

The meeting honored the ASCE Student Chapter, Alumni and Faculty of the Civil Engineering Department of the University of Pennsylvania. Department Chairman, **Dr. John Lepore**, thanked the Section for its courtesies, and introduced the sizable contingent of Penn students, alumni and faculty at the meeting. He informed the assembly that the nomenclature "Urban Engineering" has been discontinued as a separate category in the Department since it is now fully integrated into the Civil Engineering curricula. Dr. Lepore announced that there are more than 1400 students in the School of Engineering and Applied Science. He is proud of the high scholastic standards which have been achieved in the student body.

An important innovation in the Department of Civil Engineering is the dual degree in engineering and geology, as part of the expanding Graduate Degree Program. The new course reflects the ever-increasing interaction between engineering and geology. Dr. Lepore envisions the fusion of the two specialties into the new branch of Geological Engineering.

Another ambitious development in process in the Graduate Program, described by Dr. Lepore, is the Master of Science and Doctorate Degrees in Transportation Engineering. A Transportation Resources, Management and Technology Research Institute, will be

### Concrete High-Rise Buildings Design Seminar

May 26, 1983

The Portland Cement Association, in cooperation with the Delaware Valley Chapter of the American Concrete Institute, will present an all-day seminar at the Philadelphia Marriott Hotel on City Line Avenue. Speakers will be **Mark Fintel** and **Dr. S. K. Ghosh** of Skokie, Ill. For information and registration call **Randy Cronin**, (215) 643-7363.

## LIFE MEMBERSHIPS AWARDED

A Special Event at the March 8, 1983 Section meeting was the awarding of Certificates of Life Membership in ASCE to Philadelphia Section members. Presentations were made to six members, two of whom were present at the meeting and received their certificates in person. The two present were:

**Charles F. Kain**  
**Arthur W. Lookup**

Not present, and whose Certificates were mailed to them are:

**Fred D. Day**  
**Herbert A. Howlett**  
**Martin C. Jones**  
**Herbert J. Thamer**

(Mr. Jones is a member of the Phila. Section's Reading Branch. His Certificate has been mailed to Branch President **Bob Ludgate** for presentation at their meeting).

The presentations were made by Phila. Section Publications Chairman and Past President, **Sidney Robin**,

housed in the new Engineering Building. Also in planning is a multi-disciplinary academic and research course combining the business and finance education of the Wharton School and the technical curricula of the Engineering School.

In summary, Dr. Lepore exudes gratification and enthusiasm in the very active current and planned engineering programs at Penn.

### Student Chapter Activities Reviewed

Penn's ASCE Student Chapter President **Carol Hyde** thanked the Phila. Section for its invitation to the meeting, and introduced her fellow officers, members of the Board and Chapter affiliates:

Vice President—**Toby Fisher**  
Junior Vice President—

**Tim Connally**

Secretary—**Barb Herrington**  
Faculty Representative—

**Prof. Madeline Solomon**

Faculty Advisor—

**Prof. Edward Glynn**

Class Representative—

**Carol Reich**

Miss Hyde summarized the Student Chapter's activities calendar — including regular attendance at Section Meetings, athletic events with other College Student Chapters (principally the Annual Concrete Canoe Race), and technical speakers at Chapter meetings. The Chapter hopes to continue and expand its busy schedule in the future.

### Mr. Dickinson and Engineering in Space

Editor's Note: Mr. Dickinson's talk will be summarized in a later issue of THE NEWS.

## TECHNICAL GROUP DETAILS

The appropriate individuals to contact are the following:

### Technical Group Liaison

**John E. Durrant**

(Section Vice President)

Phila. Water Department  
Materials Testing Laboratory  
7th St. & Lehigh Ave.  
Philadelphia, PA 19133  
(215) 686-1776 Ext. 23-246

### Associate Member Forum

**Margaret Yevics**, President

215 S. 22nd St.  
Phila., PA 19103  
(215) 732-4218

### Construction Group

**Fredric L. Plotnick**, Chairman

806 Hillton Lane  
Elkins Park, PA 19117  
(215) 487-1443 or (215) 843-7310

### Geotechnical Group

**Dr. Ziyad I. Husami**, Chairman

Stone & Webster Engineering Corp.  
3 Executive Campus, P.O. Box 5200  
Cherry Hill, NJ 08034  
(609) 482-3889

### Hydraulics & Sanitary Group

**Dariene McKinney**, Chairman

### Structural Group

**Stephen H. Golden**, Chairman

Pennoni Associates, Inc.  
1911 Arch St.  
Philadelphia, PA 19103  
(215) 561-0460

### Transportation & Urban

#### Development Group

**David A. Novick**, Chairman

Parsons, Brinckerhoff, Quade &  
Douglas, Inc.  
1500 Chestnut St.  
Philadelphia, PA 19102  
(215) 988-0696

## BUDD TOUR

(continued from page 3)

manufacture of rail passenger cars, from fabrication of the parts through final assembly of the cars. At the time of the tour, four separate orders were in production—rapid transit cars for Baltimore and Miami, rapid transit cars for Chicago, commuter rail cars for New York, and railroad passenger cars for Amtrak. We got a good view of all parts of the manufacturing process, including some final assembly work which was in progress as we watched.

The Group found the tour interesting and enjoyable. We are grateful for the Budd Company's hospitality, and appreciate the fact that several key people gave up their Saturday morning for us.