

# the news



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PHILADELPHIA SECTION

AMERICAN SOCIETY OF CIVIL ENGINEERS

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

Vol. 66-1

## Our 80th Year

October, 1993

### OCTOBER DINNER MEETING

Philadelphia Section, American Society of Civil Engineers

## TUESDAY, OCTOBER 12, 1993

WILLIAMSON'S CITY LINE • GSB Building • City Ave. at Belmont Ave. • Bala Cynwyd, PA  
Cocktails – 5:30 p.m. Dinner – 6:30 p.m. Meeting – 7:30 p.m.

**SUBJECT: DIRECTIONAL DRILLING AND MICROTUNNELING**

**SPEAKERS: RANDALL J. ESSEX**, Vice-President; and **LYNNE F. CRAMER**, Project Engineer, Woodward-Clyde Consultants.

The Philadelphia Section, ASCE "kicks off" its 1993-94 season with this complex and challenging topic for its initial program. Enhanced and new construction techniques utilizing directional drilling and microtunneling will be discussed, including applications for: sampling soils under landfills, storage terminals and industrial sites; installing utility lines in contaminated soils; traversing wetlands with difficult requirements; installing horizontal wells for vapor extraction systems, air sparging, and bioventing without trenching; and avoiding disruption to business districts under streets and existing utilities.

**Randall J. Essex** is Vice President and National Practice Manager for Tunnels with Woodward-Clyde Consultants. He has sixteen years of geotechnical and tunnel design experience.

**Lynne F. Cramer** is a Project Engineer with Woodward-Clyde, and she has technical expertise in rock and soil mechanics, excavation design and tunnel construction.

**COST:** \$22.00 per member or guest; \$11.00 ASCE student members

The Philadelphia Section extends its hearty thanks to Member **Eric Flicker** for his assistance in the arrangement for this meeting.

**RESERVATIONS ARE REQUIRED.** Please send your check for the number of plates required (@ \$22 or \$11 Student each) payable to: Philadelphia Section, ASCE • P.O. Box 58166 • Phila., PA 19102-8186. The deadline for reservations is **Monday, October 4, 1993.**

### ADVERTISE IN THE NEWS...

... and help support the activities of your Section. Your business card could be here! For a low, one-time charge, you could be among the select advertisers who appear on these pages for an entire Section season (September through May/June).

If you are interested, please contact Bob Wright or send your inquiry to our post office box (Attention: Advertisements) for more information.

Hurry! Act now! Good spots are still available!

THE NEWS also provides one-issue or multi-issue classified advertisements for reasonable rates.

Help support THE NEWS – the voice of your Section.

### TECHNICAL GROUP ACTIVITIES

Transportation Group  
October Meeting

Information for October Meeting unavailable at press time. For full details, contact **Greg Yates**, Chairman, c/o Urban Engineers, Inc., 330 N. Third St., Phila., PA 19106, (215) 922-8080.

### JOIN THE PHILA. SECTION'S TECHNICAL GROUPS NOW!

(See List and Chairmen on Page 4)

### PLEASE PAY YOUR SECTION DUES!!!

The Philadelphia Section, ASCE Board of Directors respectfully urges all Section members to bring their dues up to date. If your 1992-1993 dues (\$18.00) is in arrears, please remit your check *immediately*. Also, send in your check (\$18.00) for 1993-1994 dues when you receive the bill from National ASCE headquarters. Thus you will be assured of Active Membership and will enjoy all the services and functions of the Philadelphia Section.

This issue (October, 1993) of THE NEWS is being mailed as a courtesy to *all* Section members. Future issues of THE NEWS, however, will be mailed only to those members who have been current in their dues payments and have paid up any arrearages. Mail your checks, payable to Philadelphia Section, ASCE, to P.O. Box 58186, Philadelphia, PA 19102-8186.

**RESOLVE TO ATTEND ALL  
MONTHLY SECTION MEETINGS  
AND FUNCTIONS... AND INVITE  
YOUR CLIENTS, ASSOCIATES  
AND COLLEAGUES TO COME  
ALONG WITH YOU.**

## THE PRESIDENT'S MESSAGE

PHOTO  
TO APPEAR  
NEXT MONTH

Welcome back from vacation. After this past long, hot summer, it probably feels good to get back to work and into the swing of things.

I hope the coming year is as successful for the Section as the past few have been. Our membership continues to grow, and hopefully we'll see some of the "new faces" at Section meetings. The program will offer varied topics to suit just about any Civil Engineer. And, if you come, bring a friend or two.

The Picnic this past June was great fun and I hope we can make it a regular part of our annual activities. It is my hope to conduct more family-oriented affairs like this. Many thanks to our picnic organizer, Sue Lior, who did so well that she now has the title for life!

Our Spring Social in May was also quite successful and fun. If you missed it, believe everything you hear about my boring acceptance speech. Unfortunately, you're going to hear many more terrible jokes in my speeches this year, because those are the only jokes I know. As I noted in my acceptance speech, civil engineering is a serious profession, but it doesn't mean that we need to be so serious about everything we do. I hope the year can be both educational and enjoyable.

I know that the Section will run smoothly, as long as I have officers like **Bill Thomsen** and **Bill Richards** helping me, **Darin Gatti** keeping the creditors at bay, and **George Stanley** ensuring that we're playing according to the rules. And let's not forget about our dauntless editor, **Sid Robin**, who keeps doing a wonderful job with **THE NEWS**. Thanks to all our Officers and Board Members for the good things you do. If the Section paid you, I'd recommend a raise.

Of course, this job has also been made easier due to the wonderful direction of the Section Presidents who have preceded me. Many thanks to **Klaus Fuelleborn**, **Moustafa Gouda**, **Frank Depman** and all those in whose footsteps I follow.

If you can think of anything that the Section should or could do for you, the member, please let me know, either in person or through the post office box, and I will gladly consider it. The Section exists for its members, and I think we should do what we can to serve the membership.

Please help me make this a good year for the Section.

Sincerely,  
Bob Wright  
President, Phila. Section, ASCE

## ARE YOU INTERESTED?

The Philadelphia Section is exploring the feasibility of a seminar on insurance alternatives for its members. Specifically, representatives of firms providing long-term disability insurance and business succession insurance planning would be invited to speak to those interested in these topics and respond to questions and comments, etc. in those areas. The seminar will be an evening (non-dinner) affair and is tentatively scheduled for some date in March.

Discussions of investment options could also be considered for this seminar, again if interest is there.

If you are interested in attending such a seminar, please respond to the Section President, **Bob Wright**, in care of the Phila. Section, ASCE, P.O. Box 58186, Phila., PA 19102-8186.

## DISPUTE RESOLUTION DAY

The American Arbitration Association is conducting the noted Seminar on **Thursday, October 7, 1993** at the Philadelphia Hilton, Broad and Locust Streets. The Philadelphia Section is a co-sponsor. Various sessions are planned. For more information, please contact the AAA at (212) 484-3233 (call collect).

## ELECTRONIC MESSAGE SERVICE AND BULLETIN BOARD ON LINE

As announced in the September, 1992 issue of **THE NEWS**, the Electronic Message Center and Bulletin Board for the Philadelphia Section, ASCE, is now in operation for the convenience of its members. This service was initially established to provide meeting and scheduling information to our members on a continuous basis, by calling (215) 687-7741 any hour of any day.

An additional feature of this service is the capability for the caller to leave a recorded message. The system will instruct the caller vocally how to record. The date and time of the message will also be recorded by the device. The voice mail system will be checked on a regularly scheduled basis and messages will be answered as necessary. To date, the Message Center has been used relatively infrequently, with messages usually involving upcoming programs. It is hoped that members will use the service liberally, to ask questions or provide commentary on any subject concerning the Section or ASCE nationally. Your opinions and suggestions are welcome to help us improve all of our activities, programs and social events. Let's "get on the phone"... we're waiting to hear from you! **NOTE THE NUMBER: (215) 687-7741.**

**PLACE YOUR  
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**COPY DEADLINE FOR  
NOVEMBER 1993 ISSUE  
OCTOBER 12, 1993**

## 1994 DANIEL W. MEAD CONTEST FOR YOUNGER MEMBERS

The Daniel W. Mead Prize for Younger Members was established in 1939 to honor the memory and accomplishments of the 67th President of the American Society of Civil Engineers. The talents of many of the leaders of the profession were first recognized in previous contests for this significant professional honor. The current contest provides another opportunity for alert young civil engineers to further their professional development and gain national attention.

Papers must be written on:

### "Is It Ethical To Provide Professional Engineering Services To Those Other Than Your Employer?"

- Moonlighting
- Community Service
- Volunteer Work

### RULES

- Authors must be Associate Members, Members or Affiliates of the Society 32 years of age or less on February 1, 1994.
- Only one person can write each paper.
- Each Section or Branch can submit only one paper.
- Paper must contain no more than 2,000 words.
- One winner may be selected from each of the four Zones and International membership of the Society.
- The national winner, selected from the Zonal winners, will receive a wall plaque and a certificate.
- The national winner may be invited to present his/her paper at the ASCE National Convention, Atlanta, Georgia, in October, 1994.
- The paper by the national winner will be submitted for publication in **Civil Engineering**.

By February 1, 1994, seven copies of each paper must be submitted through the Section or Branch Secretary to: ASCE Awards Department, 1015 15th St. NW, Suite 600, Washington, DC 20005.

Philadelphia Section Younger Members are urged to get to work on the Mead Competition. We are proud of our past winners and want to continue to be in the forefront.

Past Mead Competition winners from the Philadelphia Section are:

- 1974 – John Spitko, National Award
- 1977 – Joseph R. Syrnick, Zone I Award
- 1978 – David S. Shaw, Zone I Award
- 1979 – Haym Bernaroya, Zone I Award
- 1973 – Greg Neiderer, Zone III Award

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## 1994 YOUNGER MEMBER GROUP AWARD

The purpose of the award is to promote excellence among the Younger Member Groups of the American Society of Civil Engineers. Younger Member Groups are defined as Associate Member Forums (AMF), Younger Member Forums (YMF), Younger Member Committees (YMC), etc. which operate at the Section and Branch level. It does not include Younger Member Councils. The award was officially instituted by action of the Society on July 9, 1985.

The award is known as the Younger Member Group Award. It is made annually to the most outstanding Younger Member Group of the American Society of Civil Engineers. Certificates of Commendation may also be awarded.

The Committee on Younger Members (CYM) shall recommend the winner of the award and those Groups receiving Certificates of Commendation.

The award shall consist of a framed certificate to be presented to the Younger Member Group at an Annual Convention meeting of the Society.

### RULES

- The evaluation process involves scoring of nomination documents submitted by Younger Member Groups. The nomination documents should list professional, technical, social and special activities sponsored by the Younger Member Group for the preceding calendar year.
- Younger Member Groups may submit written nomination forms which are available from ASCE at the address below.
- Previous award recipients are eligible to reapply.
- By February 1, 1994 seven copies of the nomination should be submitted through the Section or Branch Secretary to: ASCE Awards Department, 1015 15th St. NW, Suite 600, Washington, DC 20005.



WILLIAM R. SCHUTT  
President

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## 1994 EDMUND FRIEDMAN YOUNG ENGINEER AWARD

To recognize professional contributions of younger members of the Society, Edmund Friedman, Past President of ASCE contributed funds to establish the Edmund Friedman Young Engineer Award for Professional Achievement. The award was officially instituted by action of the Board of Direction in October 1972.

This recognition is awarded annually to members of the American Society of Civil Engineers who are 32 years of age or less on February 1 in the year of the award, and who are judged to have attained significant professional achievement, by the degree to which the candidates have shown:

- Service to the advancement of the profession;
- Evidence of technical competence, high character and integrity;
- Leadership in the development of younger member attitudes towards the profession;
- Contributions to public service outside of their professional career;
- Other evidence of merit, which has advanced the Society's objectives.

### RULES

- The award may be made each year to as many as five recipients. No recipient may receive the award more than once.
- An individual or group may submit written nomination forms which are available from ASCE at the address below.
- A nominee not selected one year may be re-nominated in a subsequent year, provided he/she is eligible under the above stipulations. Meritorious nominees, not selected in a given year, may be held over by CYM for consideration in the competition of the following year.
- Deceased persons are not eligible for nomination for the award, although an award can be made posthumously to a nominee whose petition had reached the award committee during his/her lifetime.
- The award shall consist of a framed certificate inscribed with the name of the recipient and his/her exceptional achievements, to be presented at the 1994 ASCE National Convention.

By February 1, 1994, seven copies of the nomination should be submitted to: ASCE Awards Department, 1015 15th St. NW, Suite 600, Washington, DC 20005.

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## IMPORTANT! 1993-1994 MEETING NOTICES

MARK YOUR CALENDAR for the dates of the remaining Philadelphia Section, ASCE monthly meetings and social functions, as follows: (Check each issue of coming editions of THE NEWS for details, possible date and topic changes.) THIS IS A TENTATIVE LIST.

**ALL DINNER MEETINGS** (Except as noted for Luncheon Meetings)

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

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

**Wednesday, November 10, 1993** - Dinner Meeting, Officers' Club, Philadelphia Naval Base  
Gas in Baltimore; Speaker: **Kenneth D. Merrill**

**Tuesday, December 10, 1993** - LUNCHEON MEETING

Tour of the Restored Reading Terminal Train Shed, Pennsylvania Convention Center.

Luncheon at Chinatown.

Host: **Harry Perks**, Pennsylvania Convention Center Authority

**Wednesday, January 12, 1994** - Holiday Inn, King of Prussia

Joint Dinner Meeting with American Society of Highway Engineers (ASHE)

Subject and Speaker to be announced.

**Wednesday, February 16, 1994** - Harbour League Club, Camden, NJ

Joint Dinner Meeting with South Jersey Branch, New Jersey Section, ASCE

NJ Transit South Jersey Rail Transportation Alternatives Study.

**Friday, March 18, 1994** - Dinner Meeting, Drexel University Geosynthetic Research Institute

Geotextile Seminar II - Highway and Bridge Applications

Speaker: **Dr. Robert M. Koerner**, Director, GRI

**March, 1994** - Location, date and time to be announced

Financial Planning/Insurance Seminar

**Saturday, March 26, 1994** - Family Night of Bowling

Details to be announced.

**Wednesday, April 14, 1994** - Officers' Club, Philadelphia Naval Base

Joint Dinner Meeting with Society of American Military Engineers (SAME)

World Trade Center Emergency Preparedness - Response to Bombing

Speaker: **Eugene Fasulla**, Port Authority of New York and New Jersey

**Sunday, May 15, 1994** - Officers' Club, Philadelphia Naval Base

Annual Spring Dinner Dance

Join the Section's

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