

the news



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

Vol. 61-3

Celebrating Our  75th Anniversary

DECEMBER, 1988

Greetings of the Season

The Editor and staff of THE NEWS, on behalf of the Officers and Board of Directors of the Philadelphia Section, ASCE, extend to the Members and their families Heartiest Wishes for a Joyous Holiday Season, and a Healthy, Prosperous and Fulfilling New Year.

DECEMBER DINNER MEETING

Philadelphia Section, American Society of Civil Engineers

TUESDAY, DECEMBER 13, 1988

ENGINEERS' CLUB, 1317 Spruce St., Philadelphia

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

SUBJECT: THE CAMDEN AQUARIUM

SPEAKER: JOHN THOMAS SHANNON, JR., Project Manager, Cooper's Ferry Development Association, Inc.

Mr. Shannon will describe the oversight, management and implementation of the exciting new Camden Aquarium, a major component of the proposed \$400 million program for the redevelopment of the downtown waterfront area of Camden, NJ.

Mr. Shannon's description, discussion and viewpoints are of particularly timely interest, inasmuch as the Camden Aquarium Project is a hot current political issue within the chambers of the New Jersey legislative bodies, as they debate the State's financial budgetary practices and appropriations policies.

John T ("Jack") Shannon, Jr. received a B.A. degree from LaSalle University School of Arts and Sciences, Philadelphia, PA in 1984, with major in English and minor in Accounting. He graduated Maxima Cum Laude with General College Honors. From 1984 to 1986 he attended Harvard University,

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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

(Location Map will appear in the January, 1989 issue)

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.

SPECIAL FEATURE: DREXEL UNIVERSITY NIGHT

FOR RESERVATION FOR ALL PHILADELPHIA SECTION REGULAR MONTHLY MEETINGS - UNLESS OTHERWISE NOTED - 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.

MEMBERS!! JOIN THE ANNIERSARY COMMITTEE

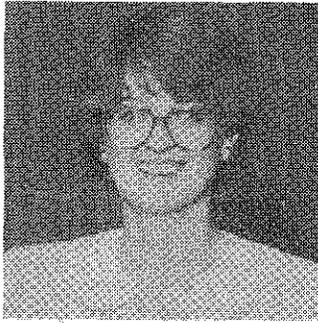
As THE NEWS and President Sue Lior have been brandishing it since the beginning of the 1988-1989 Philadelphia Section, ASCE season began, we are celebrating our 75th Anniversary, and it promises to be a big year. The Anniversary Committee - now in formation - is starting its planning work. THE COMMITTEE NEEDS YOUR HELP. PHILADELPHIA SECTION MEMBERS ARE URGED TO JOIN THE COMMITTEE.

To work on the Anniversary events is to be part of a rewarding and exciting undertaking. Whether you live in Collegeville, Center City Philadelphia, or any of the surrounding Metropolitan areas, you can help make our Celebration a success. Volunteers able to attend meetings will participate in shaping the specifics of the Celebration program; they will work closely with the Officers and Board of Directors of the Philadelphia Section, ASCE, and will be involved in activities and decisions such as the following:

1. Perhaps the outstanding event will be a Spring Picnic highlighting corporate/college and other team volleyball competitions, plus additional fun-filled events for everyone; you, your spouse, the kids and students.
2. Social Events. A schedule of events will be planned and developed. This includes music, entertainment, menu and location.
3. Theme. Choosing a theme and corporate image enhancing idea items will be an important phase of the work. These will include an Anniversary logo, buttons, and corporate banners.
4. Attendance. The essential task of encouraging attendance is done by making personal telephone calls, writing personal letters to friends and associates in Civil Engineering; and by committing your Company and others to form volleyball teams and other functions.
5. Publications. Ideas are invited for various types of publications to publicize the Celebration, possibly featuring major Civil Engi-

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THE PRESIDENTS MESSAGE



I'm back from Australia, where I enjoyed a well deserved vacation. Activities for ASCE were in full swing despite my absence.

By now you probably know that **Gerald (Jerry) Speitel**, ASCE Vice President for Zone I, was elected Delaware Valley's Engineer of the Year. I have had the opportunity to work with Jerry on ASCE matters on a number of occasions and have always found him to be knowledgeable and eager to be of assistance. Jerry, who works and resides in New Jersey, is a member of the South Jersey Branch. At the October 11, 1988 Phila. Section meeting, the Board of Directors voted unanimously to support his nomination as Engineer of the Year. Chuck Pennoni

gave the seconding nomination speech on behalf of the Philadelphia Section.

For those of you who have attended the Board meetings, you are aware that we are unable to discuss all the issues of concern to the Board in the on hour allotted prior to the general meeting. As a result, the officers have insufficient time to discuss issues, matters are put off until they become critical, and more importantly, we are not able to be on hand to talk with the other members before the dinner starts. Out of concern for this situation and to be more responsive to the membership, we have agreed to a new meeting time - 4PM. This will give us two hours to discuss business matters and still give us time to say hello to our friends. This new schedule will be observed at our next meeting on December 13th. As I am fond of saying, the business meeting is open to anyone who would like to attend and your participation is always welcome. Normally the meeting is held in the Committee Rooms A and B on the second floor of the Engineers' Club.

At the December Board Meeting we will close the nominations for District Director. The District Director is responsible for representing the four Sections within Pennsylvania at the national level. This position is for three years and rotates among the four Local Sections. The ASCE likes to think of itself as a grass roots organization, of which the District Director is a key link in the communication which makes this happen.

To date, we have received word from Past-President **John Durrant** on his willingness and desire to run for this office. John has been a hard working and outstanding Section Officer and should provide the same caliber of effort to this new office.

Speaking of National Officers, it is Zone I's turn in the rotation cycle to nominate candidates for the 1990 President-Elect. The term of office is for one year at which end, the President-Elect automatically succeeds to the office of President. (The Philadelphia Section is modeled on the same principle.) The Section officially began accepting nominations at the November 10, 1988 Board meeting. The period for accepting nominations will close at the March 14, 1989 Board meeting, after which we will take our nomination(s) to the April 1st District Council Meeting. There we will start actively campaigning for our candidate. At the September Board Meeting we had asked Chuck Pennoni, a Past VP of Zone I, if he would speak to us on the procedures and Protocols to be followed in this process. On hopeful questioning by our members, we learned of his willingness to run for this office. Those of

(Continued on Page 4)

DECEMBER DINNER MEETING

(Continued from Page 1)

John F. Kennedy School of Government, Cambridge, MA, and graduated with master of Public Policy Degree with concentrations in Housing and Community Development, and Public Finance. He completed his Masters thesis on the subject: "The Future of Family High-Rise Apartment Buildings within United States Public Housing."

Mr. Shannon attended the University of Pennsylvania School of Law, Philadelphia, PA (1986 to present) pursuing a course of study leading to a Juris Doctorate (Jur.D.), with concentrations in Real Estate Law and Government Law.

Prior to assuming his present position, in 1986, as Project Manager of the Cooper's Ferry Development Association, Inc., Mr. Shannon was employed as Research Assistant, Arthur Young and Co. (1985), Washington, DC; Research Assistant, Harvard-MIT Joint Center for Housing Studies (1985-1986), Cambridge, MA; and Project Manager, Quincy Neighborhood Housing Services (1984-1985), Cambridge, MA.

SPECIAL FEATURE: SWARTHMORE COLLEGE & UNIV. OF PENNSYLVANIA NIGHT

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

POSITION AVAILABLE

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with 10 years minimum experience in residential, commercial, institutional and industrial buildings. Ability to deal with clients, structural evaluations of buildings, write technical reports, supervise Jr. Engrs. Excellent salary and benefits. Company located 1/2 block from 69th Street Terminal. **Christakis & Kachele, Inc.**, 6910 Ludlow Street, Upper Darby, PA 19082 (215) 352-7676.

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SEND COPY TO:

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**COPY DEADLINE
FOR
JANUARY 1989
ISSUE
DECEMBER 13, 1988**

**IMPORTANT: DINNER RESERVATIONS FOR SECTION MEETINGS ARE ESSENTIAL
PLEASE PHONE IN YOUR RESERVATION AS DIRECTED AT BOTTOM OF PAGE ONE.**

NOVEMBER MEETING

November 10, 1988

Drexel University

"SPRINGTIME IN NOVEMBER"

(By Dave Perri, Associate Editor)

The calendar shows it's autumn, but the 75 members guests and students attending the November meeting at Drexel experienced an invigorating glimpse of spring. Featured guest speaker was the distinguished **Edward L. Lindemann**, Staff Horticulturist for The Pennsylvania Horticultural Society and Designer of the Annual Philadelphia Flower Show — the world's largest horticultural exhibition. The subject of Mr. Lindemann's presentation was "Design, Logistics and Construction of the Philadelphia Flower Show."

Villanova University Honored

In keeping with the irony of the evening, it was only appropriate for the Drexel campus to be the site of a meeting billed as "Villanova University Night," honoring the ASCE Student Chapter, faculty and alumni of the Civil Engineering Department. Villanova's **Dr. Edward Wallo** introduced fellow faculty members, **Dr. Robert Traver** and **Dr. Margery Hoffman**, Villanova's first female Civil Engineering faculty member.

Dr. Wallo was proud to report that, contrary to the prevailing trend at most Civil Engineering colleges, Villanova has experienced a 30% increase in Civil Engineering enrollment over the past three years. In addition, an exciting new development for the Wildcats is the start of an undergraduate outreach program with Notre Dame. Two students participated in the program in the past year and gained valuable research experience.

President Reports Student Chapter Activities

ASCE Student Chapter President **Charles Catania** addressed the meeting and introduced his fellow officers: Vice President, **Ted Stausy**; Secretary, **Patti Murray**; and Treasurer, **Denise Springborg**. Mr. Catania spoke about student activities featuring a renewed commitment and involvement in campus affairs. Included in this initiative is raising the consciousness of the need for increased handicapped accesses and asbestos abatement.

Schedule Change

Phila. Section Publications Chairman and THE NEWS editor, **Sid Robin**, who arranged the meeting, in the role of Meeting Chairman, addressed the attendees and thanked all for their flexibility in adjusting to the last minute change in the meeting date and location. Not to be mistaken for comedian **Henny Youngman**, **Sid** nevertheless warned the crowd with one-liners before introducing the evening's guest speaker, **Edward L. Lindemann**.

The Philadelphia Flower Show

The Flower Show, arranged by the Pennsylvania Horticultural Society, has a proud 60-year tradition as a rite of spring in Philadelphia. Mr. Lindemann enthusiastically presented a fascinating insight into the behind-the-scenes activities at this

annual event. The planning, management and coordination necessary to stage this huge undertaking conjures images of a miniature Disney World.

The show attracts nearly a quarter million visitors in a 10-day period, sprawls over six acres inside the Civic Center and involves over 2,000 volunteers. The set-up crew has only 10 days to transform the barren Civic Center into a spring paradise and a miniscule 2-1/2 days to return the hall to its original state. Mr. Lindemann is at the epicenter of this whirlwind of activity and is responsible for the show's continued success.

Aisle Space is the Key

To accommodate and move the armies of people attending the show, the proper design of aisle space commands a high priority. Adequate aisle space, explained Mr. Lindemann, accomplishes two objectives: it allows the visitors to traverse the floor area quickly which relieves overcrowding, and enables the staff to clean up and prepare the exhibits at the end of the day for the next day's show. Since crowds have a tendency to travel in a counter-clockwise direction, the aisles on the right side of the hall require more area. Curved aisles are frequently used since they tend to move crowds along faster than straight aisles.

Continuity and contrast are essential to a well-designed floor plan. Educational exhibits and displays with similar colors and themes are dispersed throughout the floor area since similar exhibits grouped together tend to slow the crowd flow. Bridges and shared waterways between exhibits and the overall theme of the show provide continuity and bring the whole program together.

Management Style and Coordination

To guide the behind-the-scenes activities of the show, Mr. Lindemann develops a "Set-up and Tear-down Manual," that details staff activities from the time they enter the hall until the time the program is complete. Details such as when, where, and in what order the 300 truck loads of sand and mulch is deposited and collected are planned in 1/2-hour increments.

An extensive organizational chart is established to delineate responsibility and assure timely problem solving. Staff meetings are held four times daily to discuss progress. To balance the rigid organizational structure necessary to coordinate activities, Mr. Lindemann emphasizes a people-oriented management style. He refers to exhibitors as "the cast" and the floor sweeps and support crew are called "the stage crew." Mr. Lindemann stressed that "everyone involved in the project, no matter what his or her job is at the show, is equally important to the end project."

Philadelphia Green Program

Proceeds from the show's preview dinner are used to fund the Pennsylvania Horticultural

*(Continued on Page 4)*SECTION CO-SPONSORS
SOLID WASTE CONFERENCE

The *Fourth International Conference on Urban Solid Waste Management and Secondary Materials* will convene at the University of Pennsylvania, Philadelphia, **December 6** (evening) - **December 9, 1988**. The Philadelphia Section, ASCE, is a co-sponsor for the Conference. Sponsors to date include: The Journal of Resource Management and Technology; University of Pennsylvania Department of Systems; Widener University Department of Civil Engineering; City of Philadelphia, Office of Recycling; State of Delaware, Delaware Solid Waste Authority; and State of New Jersey, Department of Environmental Protection. In addition to ASCE, other co-sponsors to date are: U.S. Environmental Protection Agency, Region 3; The University of Delaware Department of Civil Engineering; Rutgers.

The purpose of this Conference is to bring together experts from academia, government, and business, to explore solid waste management and recycling/recovery of secondary materials. Topics will include Solid Waste Management Models; Research and Education; Finance/Economic Development; Markets; and Technology. Presentations on new, innovative programs are expected. Co-sponsors are encouraged to send delegates to the Conference and to publicize it.

The First Conference in this series was held under the title "First Symposium on Industrial Resource Management" in Philadelphia in 1981, to bring together experts from government, business and academia to examine issues related to various fields of solid wastes/resources management and technology. The Second Conference was held in Philadelphia in 1983 and the Third in New York in 1987.

For full information, please contact **Ronald L. Mersky**, Program Chairman, Assistant Professor of Civil Engineering, Widener University; and Associate Editor, The Journal of Resource Management and Technology, Chester, PA 19013, (215) 499-4193 or (215) 499-4041.

MEMBERS!! Serve*(Continued from Page 1)*

- Publications.** Ideas are invited for various types of publications to publicize the Celebration, possibly featuring major Civil Engineering accomplishments in the Delaware Valley through the work of Consulting Engineers, Contractors, Developers and Entrepreneurs. It is hoped that the publications could be financed through advertising, corporate endowment agencies, charitable foundations, and the like.
- Fund Raising.** A separate Sub-Committee will be established to finance the Celebration programs.

SO, ALL YOU HAVE TO DO TO HELP MAKE OUR CELEBRATION A SUCCESS IS TO SIGN UP AND YOU WILL BE PLACED ON THE 75TH ANNIVERSARY COMMITTEE LIST. Please call or contact: **Timothy H. Haahs**, Chairman, c/o Walker Parking Consultants, 2 Penn Center, Suite 1015, Philadelphia, PA (215) 751-9555.

ASCE DUES BILL AND TECHNICAL GROUP DETAILS

Section members will notice in the 1988 dues bill from National ASCE Headquarters, that the PHILADELPHIA (SECTION) DUES is itemized as \$13.00. This amount 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.*

Also, because National's bill did not list the Technical groups to which your \$1.00 payments were to be applied, *you are requested to get in touch with the Chairman of the Technical Groups of your preference*, so that their membership lists can be classified.

The appropriate individuals to contact are the following:

Liaison

Francis J. Depman (Frank)
Kaufman Construction Co.
4000 Pulaski Ave.
Philadelphia, PA 19140
(215) 223-4700

Younger Member Forum

Chairman position available. If interested, please contact Frank Depman (See "Liaison" above).

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Fredric L. Plotnick, Chairman
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806 Hilton Lane
Elkins Park, PA 19117
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(215) 895-2363

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6910 Ludlow Street
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(215) 922-8080

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649 N. Lewis Rd.
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(215) 495-0303

1989 EDMUND FRIEDMAN YOUNG ENGINEER AWARD

To recognize professional contributions of younger members of the Society, Edmund Friedman, Past President 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:

- a. Service to the advancement of the profession;
- b. Evidence of technical competence, high character and integrity;
- c. Leadership in the development of younger member attitudes towards the profession.
- d. Contributions to public service outside of their professional career;
- e. 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 for consideration in the competition of the following year.
- The award shall consist of a framed certificate inscribed with the name of the recipient and his/her exceptional achievements, to be presented at a National Convention.
- By February 1, 1989, seven copies of the nomination should be submitted to: ASCE Awards Department, 345 East 47th Street, New York, NY 10017-2398.

The President's Message

(Continued from Page 2)

you who have had the opportunity of working with Chuck know the level of interest and involvement he has devoted to ASCE, as well as other professional activities. Therefore, you can imagine our honor at proposing him as a candidate for President-Elect at this most recent meeting.

See you at the December 13th Section meeting!

Sincerely,
Susan K. Lior, President, Phila. Section, ASCE

MET SECTION FOUNDATIONS SEMINAR

Editor's Note: At the request of the ASCE Metropolitan Section (New York City) ASCE Seminar Planning Committee, THE NEWS is pleased to assist in the publicity for the Met Section's Foundation and Soil Mechanics Technical Group Seminar described below. It is to be noted that Philadelphia Section Past President Dr. Robert M. Koerner, Professor of Civil Engineering, Drexel University, is a member of the panel of distinguished lecturers. As the Seminar date draws near, a more detailed description, including a schedule, will be forthcoming in THE NEWS

The Foundation and Soil Mechanics Group of the Metropolitan Section of ASCE is presenting a Seminar entitled "Foundations in Difficult Soils, State of the Practice." The seminar will be held at the United Engineering Center in New York City on **April 12 and 13, 1989** between 4:00 and 9:00 pm including a dinner break. The first day's topic will be *Deep Foundations* and will feature presentations on piles and caissons. The second day will focus on *Ground Improvement Techniques and Geosynthetics*. The Seminar will include presentations by **Thomas Davisson, Clyde Baker, James Mitchell and Robert M. Koerner**. On each day the Seminar will be preceded by exhibits from manufacturers of products and services related to the seminar topics. The exhibits will also be open during the dinner break and following each day's program.

For additional information and/or inclusion in the mailing list of registration forms please telephone **Tony Riccobono** at (201) 226-9191 or **Bob Wisniewski** at (212) 490-7110.

November Meeting

(Continued from Page 3)

Society's "Philadelphia Green Program." This program, with an annual budget of over \$5 million, is the leading urban horticultural outreach program in the country. Grants provided by the program fund planting projects in the inner and downtown sections of the City. Mr. Lindemann completed his presentation with a beautiful and uplifting film displaying the color and pageantry of this extraordinary annual event.

After a discussion period of comments and questions directed to our speaker, the meeting concluded with President Lior presenting Mr. Lindemann the Section's Certificate of Appreciation. The Philadelphia Section wishes Mr. Lindemann continued success and thanks him for providing us with an inspirational glimpse of Spring as we prepare for another cold damp winter.

**JOIN THE
75TH
ANNIVERSARY
COMMITTEE**

**INVITE YOUR
ASSOCIATES TO
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WITH YOU!**