

# the news



PHILADELPHIA SECTION

AMERICAN SOCIETY OF CIVIL ENGINEERS

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

Vol. 65-6

*Our 79th Year*

March, 1993

Philadelphia Section, American Society of Civil Engineers



## MARCH FAMILY OUTING



### A DAY at the NEW JERSEY STATE AQUARIUM

**SUNDAY, MARCH 21, 1993**

DIRECTIONS to Aquarium: Cross Ben Franklin Bridge and follow signs.

#### *Tour the Aquarium On Your Own*

Opens 9:30 a.m.

Adults \$8.50; Children (2-11) \$5.50, Under 2 Free; Senior Citizens \$7.00

#### *Dinner Follows at The Harbour League Club*

(See Location Map Below)

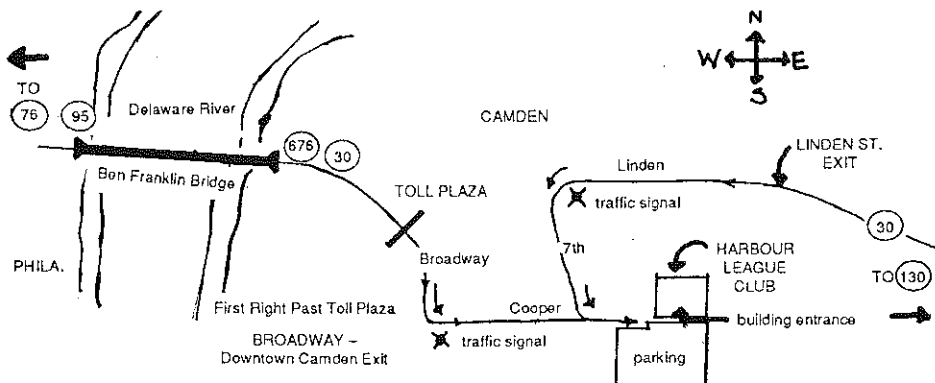
Reservations Required - Adults, \$12.00; Children, \$6.00

Dinner Buffet Starts at 5:00 p.m.

Please send check for dinner reservations only payable to:  
Phila. Section, ASCE, P.O. Box 58186, Philadelphia, PA 19102-8186

**RESERVATION DEADLINE: MONDAY, MARCH 15, 1993**

**NOTE:** Aquarium tickets can be reserved in advance. Call the Aquarium at 1-800-922-NJSA for details. (This is recommended to avoid possible long lines.)



**LOCATION MAP for Harbor League Club, Camden, NJ**

### TECHNICAL GROUP ACTIVITIES Geotechnical and Environmental/Water Resources Group

(Combined program for 1992-1993)

#### *March Meeting*

Date: Tuesday, March 16, 1993, 7:00 p.m.

Location: Hill Seminar Room, LeBow Engineering Center, Market & 31st St., Drexel University, Philadelphia, PA

**SPEAKER:** Mr. Amin Ayubcha, Ecology & Environment Inc., Phila., PA

**SUBJECT:** Contaminated Bedrock Aquifer Characterization

Groundwater contamination is a concern at most hazardous waste sites. Accurate and efficient groundwater assessment is essential to plan and execute remedial actions. One of the most difficult problems is characterizing bedrock aquifers with respect to both hydrogeological behavior and contaminant impact. The most common testing techniques are slug or pump tests that determine hydraulic parameters of large sectors of the formation. These methods tend to disturb and redistribute contaminants as a result of the water movements induced by applied hydraulic stresses.

This presentation describes a case history of contaminated bedrock aquifer investigation, focusing on hydraulic characterization with improved packer test methods. These are used to study groundwater quality and hydraulic parameters of selected sections of individual water-bearing zones. Results can and are used to determine the heterogeneity of the aquifer and to define the spatial distribution of groundwater contaminants.

Packer test systems can be designed based upon the site-specific conditions and the needs of candidate remedies. At the site discussed, two different types or designs of packers were used. A multi-channel Hermit 2000 datalogger, with appropriate transducers, was adopted to the system to efficiently and accurately monitor the water levels in various tested zones.

This type of aquifer testing, while time-consuming and occasionally expensive, provides valuable, cost-effective information to both guide monitoring device placement and remediation efforts.

For further information, please contact: Dr.

(Continued on Page 2)

Please detach this ballot and mail back to: Phila. Section, ASCE, P.O. Box 58186, Phila., PA 19102-8186 by April 15, 1993. See Explanatory Letter and Constitution text elsewhere in this issue of THE NEWS.

FOR  AGAINST  
RE: Phila. Section, ASCE Constitution Revision

Date \_\_\_\_\_

Validating Signature: \_\_\_\_\_

ASCE # \_\_\_\_\_

## Technical Group Activities

(Continued from Page 1)

J. P. Martin, Dept. of Civil & Arch. Eng., Drexel University, Philadelphia, PA, 19104, 215-895-236 or Mr. Raymond A. Lees, Groundwater Technology, Inc., 223 Wilmington-West Chester Pike, Chadds Ford, PA 19317, 215-558-1730

## STRUCTURAL GROUP

### April Meeting

Date: Wednesday, April 7, 1993, 7:00 p.m.

Location: Hill Seminar Room, LeBow Engineering Center, Drexel University, 31st and Market Streets, Philadelphia, PA

**SUBJECT: Seismic Analysis and the 1993 BOCA Code**

**SPEAKERS: Roland Hall, P.E.**, Eastern Regional Manager, BOCA, and **Harry Harris, Ph.D., P.E.**, Professor of Civil, Engineering, Drexel University

Mr. Hall and Professor Harris will discuss the origins of the BOCA Seismic requirements and their effect on structural analysis and the design of structures.

If you are interested in joining us for this informal meeting (snacks and refreshments will be provided), please make your reservations with: **Richard D. Roberts, Chairman, (215) 561-0460.**

## MIHOCKO SUBMITS SECTION'S ANNUAL REPORT

Philadelphia Section, ASCE Secretary Drew S. Mihocko has submitted to ASCE National Headquarters the **Annual Report, Philadelphia Section, ASCE, Fiscal Year October 1, 1991 - September 30, 1992.**

As required by the National Society By-Laws, the Annual Report of the Section's Activities, Finances and Membership summarizes monthly meetings; technical, social and educational programs and operations. It includes data on Zone 1 and District 4 participation; the Reading Branch of the Philadelphia Section; Technical Groups; Committees; Publications; Younger Member Forum, encompassing the ASCE Student Chapters and Clubs of the area colleges and universities; Section Prizes, Awards and Scholarships; and other subsidiary and cooperative affiliations with outside civic and technical professional groups.

The Report conveys information helpful to the National ASCE Board of Direction, the Committee

on Local Sections and District Councils, Headquarters staff and other Sections - in evaluating Philadelphia Section affairs. It is also a prime prerequisite for the payment by National of the Annual financial allotment to the Section.

In addition to Intra-Section programs and functions, the volume describes in detail the Section's participation in the Engineering Technical Societies Council of Delaware Valley (ETSCO), the Annual Engineers' Week Committee of Delaware Valley, Joint Meetings with the Delaware Valley affiliates of the American Water Works Association (AWWA), the American Public Works Association (APWA), American Society of Highway Engineers (ASHE), the South Jersey Branch of the New Jersey Section, ASCE, and the Philadelphia Post, Society of American Military Engineers (SAME).

Due to pressure of his professional work, Mr. Mihocko will not serve as Section Secretary during the 1993-1994 year; but he will become a Director for a two-year term after his tenure as Secretary expires this September. The Phila. Section is grateful for Drew's excellent service as Secretary, and extends to him its highest praise for the outstanding Annual Report reviewed above. The Section Membership is confident that we all will be beneficiaries of his expertise when he assumes his new position of Director.

## LIFE MEMBERSHIPS AWARDED

Certificates of Life Membership in ASCE were awarded to Philadelphia Section members at the February 25, 1993 Joint Meeting with the South Jersey Branch of the New Jersey Section, ASCE, held at the Harbor League Club, Camden, NJ. The following members were in attendance at the meeting and received their certificates in person from Section President **Klaus Fuelleborn** and ASCE Director, District 4, **Joel Abrams**, who was the Section's special guest at the meeting:

**Thomas V. Dowd, John B. Griffith, James W. McPhillips, Harold D. Sursa, and Anthony A. Guarino.**

The Certificate for **K. Yervant Terzian** was accepted by **William T. Thomsen**, Phila. Section Vice President.

Life Member Awardees who were unable to attend the meeting and whose certificate will be mailed to them are:

**Daniel S. Cytrynowicz, Harry S. Bingham, and Daniel B. Wessels.**

The Philadelphia Section congratulates all the Life Members who have achieved this distinguished honor.

**USE THE SECTION'S  
ELECTRONIC MESSAGE SERVICE  
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CALL (215) 687-7741  
ANY HOUR OF THE DAY.**

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### Secretary - Drew S. Mihocko

Phila. Water Department

ARA Tower, 11th & Market Sts.

Philadelphia, PA 19107

(215) 592-6203

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Sidney Robin

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**COPY DEADLINE FOR  
APRIL 1993 ISSUE  
MARCH 20, 1993**

### FEBRUARY JOINT DINNER MEETING

February 25, 1993

Harbor League Club

### GEOSYNTHETICS OVERVIEW

By Frank Russo, Staff Writer

The evening of Thursday, February 23rd found the Temple University Department of Civil Engineering, the Philadelphia and South Jersey Sections of ASCE and Dr. Robert Koerner gathered in the Harbor League Club in Camden, New Jersey to celebrate a number of occasions. It was the Annual Joint meeting of the two ASCE Sections; it was an opportunity to honor the new Life Members of ASCE; it was also an opportunity to hear one of the country's greatest geosynthetics researchers, and last but not least it was Temple Night at ASCE.

#### Temple Night Comes Again...

It was just a few years ago that people were still unaware that Temple University had a budding engineering institution that was not only on the rise but was destined to contend. This year's turnout of students, faculty and staff helped to further serve notice to those who may still be skeptics, that Temple University's Department of Civil Engineering has arrived.

The Temple ASCE Student Chapter was represented by President Joseph Morris, Vice-President Roxanne Gregorio, Treasurer Jeffrey Twardzik, and Secretary April Griet. In addition to these students, Department Chairman, Dr. Frederick C. Schmitt, and Assistant Professor Dr. Philip Udo-Inyang, who was substituting for Chapter Advisor, Dr. Bechara E. Abboud, spoke briefly about the many accomplishments of the Department and its students and related some very important information about the up-and-coming graduate programs within the Department. President Morris recounted some of the Student Chapter's many accomplishments over the past year. Some of these activities have included, but are not limited to: active participation (and subsequent reward) in many local and national scholarship competitions; community activism through the assistance of the homeless and the less fortunate of the Delaware Valley through cooperative efforts with Habitat for Humanity and local homeless shelters; organization of a Departmental Library for Department of Civil Engineering students; and numerous field trips and cooperative efforts with other student groups. Obviously the Temple University Department of Civil Engineering should be proud of the accomplishments of their Student Chapter and the student body as a whole.

#### Dr. Koerner, Would You Please ???

The highlight of the evening for many in attendance was the presentation by nationally known, but local product, Dr. Robert M. Koerner, Bowman Professor of Civil Engineering and Director GRI, Drexel University. Dr. Koerner discussed recent trends in the application of geosynthetics to landfills as liners, filters, barriers, and stability enhancers.

Any presentation on a topic which changes so rapidly is best started with a description of where we have been and where we are going, and Dr.

Koerner succinctly provided us with one. He stated that the genesis of landfill liners began from the earliest days with the application of clays as liners. Clay is a natural choice for a filtration barrier because of its extremely low coefficient of hydraulic conductivity. However, in 1983 the EPA began requiring the use of Geomembranes in landfills as liners because of research done at Texas A&M University which showed clay to be ineffective on its own in preventing leaks. However, the problem of liner applicability did not end there. In 1986, the clay liner industry fought back claiming that the Texas A&M research was flawed and that clay was indeed effective. So, the EPA reached a stunning compromise, use both, and in more layers. Now that's really going out on a limb!!

Geosynthetics have not been the Godsend everyone thought that they would be. Dr. Koerner stated that there have been numerous failures such as slope stability due to low coefficients of friction between the soil mass and the liners; wind uplift of the liners; drainage problems caused by organic matter clogging the filtration membranes; gas permeability and the problems associated with trapping gases under an impermeable barrier; and problems due to consolidation friction which are tearing membranes or pulling them out of their anchor trenches. Many people in the industry have questioned that with all the problems and constant change, does anyone really have an answer?

Dr. Koerner also expressed some of his own concerns about landfills and the use of Geosynthetics. These include problems associated with puncture and the loss henceforth of the impermeable barrier; problems of waste differential settlement which stress the liners in tension and cause them to tear; stability of soil masses; concerns over piggybacking and the large overburden pressures generated by stacking new landfills on top of old ones; and problems associated with quality assurance and quality control of membrane manufacture and installation.

Although Dr. Koerner's lecture was rapid fire, it served the audience well. For those well versed in geosynthetics it was a refresher and also a primer on some recent advances in technology. But for some like myself, it was an exposure to material never encountered before and a realization that there is much more to learn in one's career. (Do the words Mandatory Continuing Education mean anything to you?)

Many thanks are due to Dr. Koerner, Temple University and all of the members of the Philadelphia Section and South Jersey Branch of ASCE for their ongoing, courtesies, support and dedication.

.....  
\* INVITE YOUR \*  
\* ASSOCIATES TO \*  
\* ALL ASCE MEETINGS \*  
\* WITH YOU! \*  
\* ..... \*

### CIVIL ENGINEERING SERVICES FOR DEVELOPING MINDS

by Stephen G. Jochum, P.E., Chairman,  
CIVIL ENGINEERING  
CLASS PROJECTS (CECP) Committee

Educational input and community service in Civil Engineering may now include YOUR SUPPORT for the work of CECP of the PHILADELPHIA SECTION of the AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE). To participate as a volunteer and provider of this service, one does not need to be a member of ASCE but should be a current or former practitioner or student of Civil Engineering. One should also know how to communicate effectively with the young and should be informed about the following:

- 1. In 1992, the CIVIL ENGINEERING CLASS PROJECTS (CECP) Committee was formed by the Philadelphia Section of ASCE with the following initial committee members: Gatti, Jochum (Chairman), Thomsen, and Wright
- 2. The charge of the committee may now be summarized as follows:

- a.) Support and encourage activities under "Engineers for Education" with special emphasis on Civil Engineering Class Projects for Grades 1 through 12 and Junior College.
- b.) Define appropriate CIVIL ENGINEERING CLASS PROJECTS
- c.) Search for, and support the efforts of appropriate "Civil Engineering Contacts" to work effectively with individual teachers on specific class projects and/or career-day events.
- d.) Evaluate specific projects.
- e.) Search for and coordinate incentives, awards or prizes, funded through the Philadelphia Section of ASCE and/or "Volunteer Sponsors"
- 3. Selected Activities for Committee Members:
  - a.) To discuss and develop projects of direct interest to specific teachers and their students, **make initial contacts with at least one teacher in an inner-city school or near your place of work, and one teacher near your home.** Discuss general benefits to all students (regardless of their career goals) and focus on learning about CIVIL ENGINEERING through direct contact with you and others within Civil Engineering. Show students why their current studies are important and how these topics relate to Civil Engineering.
  - b.) Define, review, and assist with projects and resources.
  - c.) **Increase the number of ACTIVE CECP MEMBERS and PRESENTERS** for whom this committee needs to be a significant source of help, assistance and guidance.

For additional information, you may write to CECP, Philadelphia Section of ASCE. BOX 58186, Philadelphia, PA 19102-8186 or call the 24-hour ASCE/Phila. Phone: (215) 687-7741; or contact Professor Jochum as directed under Civil Engineering Class Projects Committee on page 6 of THE NEWS.

## **NOMINATIONS FOR OFFICE Philadelphia Section, ASCE 1993-1994**

In accordance with the Constitution and By-Laws of the Philadelphia Section, ASCE, the Nominating Committee appointed by President Klaus Fuelleborn has submitted the following slate of nominees for elective office for the 1993-1994 administrative year:

President - Robert M. Wright (one year)  
 President Elect - William T. Thomsen (one year)  
 Vice President - William G. Richards (one year)  
 Secretary - George J. Stanley (completing the two year term of Drew S. Mihocko)  
 Treasurer - Darin L. Gatti (two years)  
 Director - Charles F. Sutphen (two years)  
 Director - Drew S. Mihocko (two years)  
 Director - Jonathan Cheng (two years)  
 Director to Reading Branch - To Be Announced (one year)

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

Membership Secretary - Sandra May (completing the remaining term of George J. Stanley)  
 Director - Susan K. Lior  
 Director - Richard P. Markwith  
 Director - David VanOcker  
 Assistant Secretary - Michael J. Carragher  
 Assistant Treasurer - Jian Jin  
 Past Presidents to serve on the Board of Directors:  
 Frank J. Depman (one year)  
 Moustafa A. Gouda (two years)  
 Klaus K. Fuelleborn (three years)

The above slate of nominees will be announced at the April 14, 1993 meeting. If no additional nominees shall have been submitted and received by the Section secretary, in accordance with the Section's constitution and By-Laws, by April 1, 1993, the above listed slate of nominees shall have been declared elected at that time and will be installed at the Section's Annual Dinner Dance Sunday May 16, 1993 at the Officers Club of the Philadelphia Naval Ship Yard.

Members of the Nominating committee are: Moustafa Gouda, Chairman; Susan X. Lior, Sidney Robin, Robert M. Wright, William T. Thomsen, Frank J. Depman and George J. Stanley.

## **PAST PRESIDENTS COUNCIL FORMED**

The Phila. Section, ASCE Past Presidents Council held its initial meeting preceding the February 25th Section meeting at the Harbor League Club in Camden. The first order of business was to establish the objectives of the Council and to identify ways that the Council can be of assistance to the Section and its officers. Past Presidents in attendance included: John Durrant, Moustafa Gouda, Bob Koerner, Sue Lior, Jim McPhillips, Chuck Pennoni, Ira Pierce, Milt Rothbaum and Ken Zitomer. A Past President's luncheon is scheduled for the Fall, honoring the Section's President-elect.

## **YOUNG MEMBER FORUM NEWS**

The Phila. Section's Younger Member Forum met on December 11, 1992 to establish bylaws for the Forum's operation. Establishing bylaws is the first step toward formal recognition by the Section and will allow the Younger Member Forum to elect its own representative to the Section's Board of Directors. It will also be an important accomplishment for the rejuvenation of the Younger Member Forum.

Other plans discussed at the meeting included starting a Speaker Series and High School Outreach program as well as some social events. Keep an eye on THE NEWS for future announcements or contact Rich Markwith, President of the Younger Member Forum at (215) 735-0832 for additional information.

## **EMPLOYER RECOGNITION PROGRAM**

The Employer Recognition Award program was implemented by the Committee on Younger Member (CYM) in 1990. The awards program was established to recognize employers (of all types and sizes) that encourage and support the involvement of younger engineers in ASCE programs and activities.

Remember, June 1, 1993, is the deadline for the submission of nominations for the 1993 Employer Recognition Awards. Anyone can nominate a firm or organization for the award. Nominations forms will be sent to Younger Member Contacts in April, however, if you wish to obtain one sooner, please contact Nancy Berson, ASCE, 345 East 47th St., New York, NY 10017-2398, telephone 1-800-548-ASCE.

## **DIED**

THE NEWS sadly reports the recent deaths of two distinguished Civil Engineers, longtime members of the Phila. Section, ASCE:

**Charles C. Zollman**, at age 77. An internationally renowned Civil Engineer who helped revolutionize concrete design and construction in the United States, "Charlie" – as he was affectionately called by his colleagues – was best known in Philadelphia as a pioneer in prestressed concrete construction, notably for his cooperative work with his mentor, Gustave Magnel, at the University of Ghent, Belgium, the country in which he was raised (he was born in the Netherlands). In 1950, the two, working with other prominent engineers, including the late Samuel S. Baxter, then Chief engineer and Water Commissioner of the City of Philadelphia, introduced prestressing to the United States, designed and coordinated the construction of the first prestressed concrete bridge in this country: The Walnut Lane Memorial Bridge over Lincoln Drive, Philadelphia. The bridge was recognized by ASCE as a National Historic Civil Engineering Monument and was so dedicated with a plaque embedded in one of the Lincoln Drive piers in a special ceremony by the Philadelphia Section in May, 1978.

Mr. Zollman won numerous awards, including the 1992 Award of Excellence of the American Concrete Institute; 1973 Delaware County PSPE Engineer of the Year; 1979 medal of Honor, Prestressed Concrete Institute; and the 1979 Eminent Engineer Plaque, Philadelphia Section, ASCE.

**Joseph L. Stockwell**, at age 61. Mr. Stockwell was co-founder and executive officer of two bridge and highway construction firms: Tel-Stock Inc. in 1972, and Crossing Construction Co., Inc. in 1981. He was in responsible charge of the completion of major projects throughout the Philadelphia area, including: sections of the Schuylkill Expressway, the Center City Commuter Tunnel, the SEPTA Railworks Project, the Frankford Elevated Reconstruction Project, and the Philadelphia Airport High Speed Line.

Joe and his firm received numerous awards and commendations, including the PennDOT Excellence in Highway Award, and the AISC Prize Bridge Award. In addition to membership in ASCE, Mr. Stockwell was a Past Director of ASHE.

## **GEOSYNTHETICS TECHNICAL NOTE AVAILABLE**

Clark W. Engle, principal of Engle Sales Associates (ESA – see display ad in this issue of THE NEWS) is offering Philadelphia Section, ASCE members – at no charge – copies of a Technical Note published by Miragrid Soil Reinforcement Geogrid Co., entitled: "Geosynthetics in Waste Containment Applications." Copies may be obtained by contacting Mr. Engle at Fax: (609) 795-4931.

## **REMINDER!**

### **PE REVIEW WORKSHOP at**

**TEMPLE UNIVERSITY  
SATURDAY 3/27/93**

*For Details Refer To Your  
December NEWS or CALL  
Professor Stephen G. Jochum  
at (215) 204-7802*

**PLACE YOUR BUSINESS CARD AD IN  
THE NEWS. FOR INFO,  
CONTACT PRESIDENT FUELLENBORN  
OR SECRETARY MIHOCKO**

**THINK SPRING!! THE ANNUAL SPRING SOCIAL APPROACHES**

**Sunday, May 16, 1993**  
**Officer's Club, Phila. Naval Base**  
**DINNER, DANCING, FUN!!**  
**Mark Your Calendar NOW!!**

**LET'S WRITE A PAPER**

All of us at one time or another have wanted to tell the world our view on some very important, critical issues of the day. Now is your chance—let's tell the world about it—at least the ASCE world. Why don't you write a paper about the issue that burns in your system? We have an excellent place for you to do just that – *The ASCE Journal of Professional Issues in Engineering Education and Practice*.

The JOURNAL has published some outstanding, controversial, and widely discussed, position papers in recent times, such as:

- Is Your Retirement Plan Still Doing the Job?
- Should All Professors be Required to be Registered Engineers?
- Are We Producing Civil Engineers or Human Robots?
- Lessons NOT Learned from 1989 Loma Prieta Earthquake.
- Improving International Competitiveness.

So, let's hear from you. If you would like to find out more, call Archie Carter, Editor (612-933-6779) or Peter Hoadley, Assoc. Editor (615-322-3396) or at ASCE Headquarters in New York, Nina Kramer 1-800-548-ASCE. We want to exchange viewpoints with you about it.

**ATLSS SEMINAR SERIES**

Lehigh University Center for Advanced Technology for Large Structural Systems (ATLSS) announces the following Seminars:

**March 24, 1993** – Mr. Leonard Joseph, P.E., Senior Associate, Thornton-Tomasetti Engineers, New York, NY, *"Lessons From the Schoharie Creek."*

**April 28, 1993** – Mr. J. Randolph Kissell, P.E., Engineering Manager, Conservatek, Chapel Hill, NC, *"Design in Aluminum Structures."*

Place: Imbt Laboratory, Room B101, Mountaintop Campus

Time: 3:10 p.m. Refreshments served at 2:45 p.m. For additional inquiries: J. William Jahn (215) 758-6107; Richard Sause (215) 758-3565. Fax: (215) 758-6250.

**ASCE PICNIC SCHEDULED FOR JUNE**

Get your family and your volleyball team ready — In keeping with Section tradition, our picnic is scheduled for **Sunday, June 13th** at Cannstatter's Club on Academy Road, near Frankford Ave. and I-95. A new location, the Cannstatter's Club, has excellent food, ample space, and promises to be a fun place for young and old alike! Volunteers are sought to assist in organizing the picnic, children's activities, and the volleyball tournament. Those interested in helping, contact Sue Lior at 975-0310.

**WIDENER WASTE SEMINARS**

Widener University Department of Civil Engineering announces Two Important Solid Waste Continuing Education Seminars: "Recycling in Integrated Solid Waste Management" – March 29-30, 1993 and "Recycling/Management of Special Wastes" – May 10, 1993

**Objective:**

**RECYCLING IN INTEGRATED SOLID WASTE MANAGEMENT** is an intensive, practical two-day seminar for the experienced solid waste professional who wishes to advance his or her recycling knowledge to the expert level. Through lectures and examples, participants will learn how to estimate the impacts of existing or proposed recycling programs on: landfill operations and capacity, waste-to-energy facilities, collection routes, transfer stations, equipment and personnel requirements, and overall economics of a solid waste system. The impact of office and commercial recycling programs on waste disposal operations and costs will be addressed.

**RECYCLING/MANAGEMENT OF SPECIAL WASTES** is a one-day seminar covering the collection, recycling, and/or disposal of household hazardous wastes, batteries, tires and textiles.

**Who Should Attend:**

Recycling coordinators, facilities managers, public works officials, solid waste managers, and others interested in recycling.

**Onsite Seminars Available:**

Widener University can provide a custom-designed recycling/solid waste seminar or workshop at your site – an economical continuing education option for groups of employees. For information contact: **Prof. Ronald L. Mersky**, Department of Civil Engineering, Widener University, One University Place, Chester, PA 19013-5792; Phone (215) 499-1146; FAX (215) 499-4059.

**Instructors:**

- Ronald L. Mersky, Ph.D., P.E., Department of Civil Engineering, Widener University, Chester, PA
- Jerry Usatch, President, Dumont Export Company, Philadelphia, PA
- Thomas Rocks, Secretary/Treasurer, Domino Salvage, Conshohocken, PA
- David J. Brooman, Esq., Partner, Cohen, Shapiro, Polisher, Shiekman and Cohen, Philadelphia, PA
- David W. Buzzell, Esq., Associate, Cohen, Shapiro, Polisher, Shiekman and Cohen, Philadelphia, PA

**Location and Lodging:**

Both seminars will be held at the MacMorland Center on the Widener University campus in Chester, PA (approximately five miles from Philadelphia International Airport). Many hotels are located in the area. Travel directions and a list of several nearby hotels will be sent upon receipt of registration. Participants must make their lodging arrangements separately from seminar registration.

**Fees:** The fee for **Recycling in Integrated Solid**

**Waste Management** is \$285\* for representatives of governmental and not-for-profit organizations, \$385 for others. The fee for **Recycling: Management of Special Wastes** is \$215\* for representatives of governmental and not-for-profit organizations, \$315 for others. A discount of \$50 applies to participants registering for both seminars. A late fee of \$10 must be added if payment or purchase order if not received within five days before a seminar.

\*ARCO Chemical Company has provided funding for tuition grants of \$200 for the two-day seminar and \$150 for the one-day seminar (reducing seminar costs to \$85 and \$65) for representatives of governmental and not-for-profit organizations. These grants are limited in number and will be awarded on a first-come basis and are limited to one per organization per seminar. If you wish to apply for a tuition grant, check the appropriate box on the registration card.

For further information and reservation forms, please contact: Department of Civil Engineering, Widener University, One University Place, Chester, PA 19013-5792; Phone (215) 499-4042; FAX (215) 499-4059.



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300 N. 3rd St.  
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### Younger Member Forum

*Richard P. Markwith, President*

Fredric R. Harris, Inc.  
260 S. Broad St., Suite 720  
Phila., PA 19102  
(215) 735-0832

### Construction

*Fredric L. Plotnick, Chairman*

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## IMPORTANT! 1992-1993 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.)

### ALL DINNER 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.

**Sunday, March 21, 1993** - Spouse and Family Event - Camden Aquarium Tour

**Wednesday, April 14, 1993** - Dinner Meeting - Officers Club, Naval Base

Joint Meeting with SAME

Subject: Pennsylvania Convention Center Update

Speaker: **Harry Perks**

Widener University Night

**Sunday Evening, May 16, 1993** - Annual Spring Dinner Dance

**Sunday, June 13, 1993** - Connstatter's Volkfest, 9130 Academy Road, Northeast Phila., PA 19114

Joint Picnic with Reading and South Jersey branches, ASCE.

See announcement of this event elsewhere in this issue of THE NEWS.

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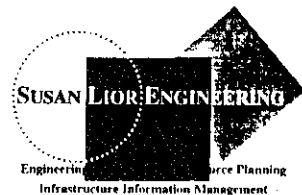
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## **ASCE PHILADELPHIA SECTION CONSTITUTION REVISION**

TO: PHILADELPHIA SECTION MEMBERS

Here is the Philadelphia Section's new Constitution for your consideration. The revised Constitution reflects the following issues:

- \* Provides for the formal adoption of a President-Elect system
- \* Conforms practice with National ASCE standards
- \* Expands participation of associate members
- \* Defines the responsibilities of the Trustees of the Section's Permanent Funds
- \* Confirms our non-profit financial status with current tax law

This revised Constitution was reviewed and approved by the Philadelphia Section's Board of Directors on May 7, 1992. It was submitted to and approved by the National ASCE on September 23, 1992 all in accordance with the Section's current Constitution and National Bylaws. In accordance with our current Constitution, all amendments must be presented to the active Section membership for vote. An active member is one who has maintained his/her membership in both the National and Local Section. Please return the ballot on page 2 postmarked by April 15, 1993. Your ballot must include your ASCE ID number to be considered. A two thirds majority of active members voting for approval is required for adoption.

Very truly yours,  
Klaus K. Fuelleborn  
President, Phila. Section, ASCE

## **AMERICAN SOCIETY OF CIVIL ENGINEERS PHILADELPHIA SECTION CONSTITUTION**

### **ARTICLE I - Name, Location and Object**

Section 1. The name of this Organization shall be the Philadelphia Section, American Society of Civil Engineers.

Section 2. The Area of the Section shall be coincident with that in which the National Board may assign members to the Section.

Section 3. The objective of the Section shall be the advancement of the science and profession of Civil Engineering and the encouragement of members to prepare or discuss papers, to confer and suggest as to matters of policy, to study local engineering problems, to cooperate with other local Sections and local Engineering Societies in matters of common interest, and to bring about closer personal acquaintance, and a spirit of cooperation between the engineers within this local Section area.

### **ARTICLE II - Order of Priority**

Section 1. This Constitution shall be superseded by and subordinate to the Constitution of the national organization of the American Society of Civil Engineers.

### **ARTICLE III - Definitions**

Section 1. Definitions used within this Constitution and the Bylaws thereunder include:

SECTION is the Philadelphia Section, American Society of Civil Engineers.

SECTION AREA is that area coincident with that in which the National Board may assign members to the Section.

NATIONAL BOARD is the Board of Directors of the national organization of the American Society of Civil Engineers.

SECTION BOARD is the Board of Directors of the Philadelphia Section, American Society of Civil Engineers.

**NATIONAL MEMBER** is a member of any grade of the national organization of the American Society of Civil Engineers.

**SECTION MEMBER** is a National Member who meets the criteria for membership stated in Article IV of this Constitution.

**ASSOCIATE SECTION MEMBER** is a Section Member who is recognized as an Associate Member as defined by the Constitution of the national organization of the American Society of Civil Engineers.

**STUDENT SECTION MEMBER** is a Section Member, or a National Member attending a school in the Section Area, who is recognized as a Student Member as defined by the Constitution of the national organization of the American Society of Civil Engineers.

**HONORARY SECTION MEMBER** is a Section Member who has been declared as an Honorary Section Member by the Section Board.

**ACTIVE MEMBER** is a Section Member who is current in payment of the dues of this Section or whose dues have been waived by action of the Section Board.

**ASSIGNED MEMBER** is a Section Member who is not current in payment of the dues of this Section.

**SECTION YEAR** is the period of time from the close of the Annual Meeting to the close of the next Annual Meeting.

**SECTION DIRECTOR** is a Director elected by the Section or appointed by the Section Board to fill a vacancy in such position.

**BRANCH DIRECTOR** is a Director named in accordance with the Bylaws of a Local Branch of the Section, or appointed by the Section Board to fill a vacancy in such position.

## **ARTICLE IV - Membership and Membership Rights**

Section 1. The Section shall recognize as a Section Member a person who is a National Member who either:

1. has been assigned to this Section by the National Board or designee thereof or
2. is current in payment of the dues of this Section or
3. has been declared a Section Member by action of the Section Board.

The Section shall recognize as a Section Member a person who has been declared an Honorary Section Member by action of the Section Board.

Section 2. Active Members shall have the right to attend all Meetings and Board Meetings of the Section, to participate in discussions at such Meetings, and to participate in all other activities of the Section as may be permitted under the Bylaws of the Section.

Section 3. Active Members recognized as Fellows, Members, Associate Members or Honorary Members, as defined by the Constitution of the national organization of the American Society of Civil Engineers, shall have the right to vote at the Annual Meeting and at Regular Meetings, to hold office in the Section and to participate in all other activities of the Section.

Section 4. Assigned Members shall have the right to attend all Meetings of the Section, and to participate in all other activities of the Section as may be permitted under the Bylaws of the Section.

Section 5. Honorary Section Members shall have the right to attend all Meetings of the Section, and to participate in all other activities of the Section as may be permitted under the Bylaws of the Section.

## **ARTICLE V - Dues**

Section 1. There shall be no entrance fee for Section membership.

Section 2. Annual dues shall be established by the Bylaws of the Section.

Section 3. A National Member who has been assigned to this Section by the National Board or designee thereof and who has been designated by the national organization as an Honorary Member or Life Member as defined by the Constitution of the national organization of the American Society of Civil Engineers, shall be exempt from the payment of dues of the Section.



## ARTICLE VI - Officers and Governing Body

Section 1. The government of the Section shall be vested in the Section Board. The Section Board shall have control of the property and management of the Section.

Section 2. The elected Officers of the Section shall consist of a President, a President-Elect, a Vice President, a Secretary, a Treasurer and a Membership Secretary.

Section 3. The Section Board shall consist of the aforementioned six Officers, six Section Directors, one Branch Director from and representing each Local Branch, and the three latest Past Presidents who continue as Active Members of the Section. If an active Associate Member Forum is recognized by the Section Board, a member named in accordance with the Bylaws of the Associate Member Forum shall be an additional member of the Section Board.

Section 4. At least one of the elected Directors shall be an Associate Member of the Section at the time of election.

Section 5. A majority of the Officers and Section Directors of the Section Board shall constitute a quorum. A quorum shall include at least one Officer and at least one Section Director. If two or more Offices are held by one person, such person shall be counted as only one Officer for purposes of this Section.

Section 6. The terms of Officers and Directors shall begin at the close of the Annual Meeting at which they are elected and installed, and shall continue until their successors are duly elected or appointed.

Section 7. The term of office for the President, for the President-Elect, for the Vice President, and for a Branch Director from a Branch shall be one year.

Section 8. The term of office for the Secretary and for the Membership Secretary shall be two years, commencing in May of even numbered years if elected to said position or for the remainder of the Section Year if appointed to fill a vacancy. If an election is held in an odd numbered year to fill a vacancy in the office of Secretary or Membership Secretary, the term of such office shall be one year.

Section 9. The term of office for the Treasurer shall be two years, commencing in May of odd numbered years if elected to said position or for the remainder of the Section Year if appointed to fill a vacancy. If an election is held in an even numbered year to fill a vacancy in the office of Treasurer, the term of such office shall be one year.

Section 10. The term of office for the Section Directors shall be two years if elected to said position or for the remainder of the Section Year if appointed to fill a vacancy, except that if more than three Section Directors are to be elected in any year, the number of Section Directors to be elected in excess of three shall be elected to a one-year term of office.

Section 11. The President-Elect, when elected, shall be deemed elected as President for the succeeding year if willing and able under this Constitution of accepting the office of President at the completion of the Section Year as President-Elect. If the President-Elect is unable or unwilling to accept the position of President, a new President and President-Elect shall be elected at the Annual Meeting.

Section 12. A vacancy in the office of President shall be filled by the President-Elect for the remainder of the unexpired term, leaving vacant the office of President-Elect. In the event that the offices of President and President-Elect shall simultaneously become vacant, the office of President shall be filled by the Vice President. In the event that the offices of President, President-Elect and Vice President shall simultaneously become vacant, the office of President shall be filled by the Section Board for the remainder of the unexpired term. A vacancy in the office of President-Elect shall remain vacant for the remainder of the Section Year. A vacancy in the office of Section Director shall be filled by the Section Board for the remainder of the Section Year. A vacancy in any other office shall be filled by the Section Board for the remainder of the unexpired term.

Section 13. The duties of each Officer shall be those usual to said office and as provided in the Bylaws of the Section. Duties of an Officer may not be changed by the Section Board during the Officer's term of office.

Section 14. A person may hold more than one office at the same time. No person shall have more than one vote on the Section Board at the same time.

## **ARTICLE VII - Meetings**

Section 1. The Annual Meeting of the Section shall be held before July 1 of each year at such location within the area of the Section as may be selected by the Section Board.

Section 2. Regular Meetings shall be held as prescribed by the Bylaws.

Section 3. Special Meetings may be called by the President.

Section 4. The Secretary shall provide that written notice of the date, time and place of the Annual Meeting be given to all Active Members at least fifteen days in advance of the meeting date.

Section 5. The Secretary shall give written notice of all meetings to all members of the Section Board at least one week in advance thereof.

## **ARTICLE VIII - Amendments**

Section 1. This Constitution may be amended by the following procedure:

1. If a proposed amendment to this Constitution is submitted to the Secretary in a written petition signed by not less than fifteen Active Members, or if a proposed amendment to this Constitution is endorsed by the Section Board at a Section Board Meeting,

The Secretary shall supply a written copy of the proposed amendment to all Active Members of the Section within thirty days. The Secretary shall supply a copy of the proposed amendment to the National Board within fifteen days. The Secretary shall read the proposed amendment at the next Annual Meeting or at the next Regular Meeting held within the Section Area, whichever comes first.

2. At the direction of the Section Board, and after a minimum of thirty days following completion of the notifications required in Section 1 above, the Secretary shall either:

- a. bring the amendment to a vote at the Annual Meeting, provided such can be done within ninety days, or
- b. bring the amendment to a vote by means of a mail ballot within ninety days after the proposed amendment has been submitted to the Secretary as provided in Section 1 above, except that if the Secretary has been notified that the National Board has rejected the proposed amendment prior to a vote of the Members. In this instance, the Secretary shall not bring the proposed amendment to a vote.

3. Upon an affirmative vote of not less than two-thirds of the Active Members voting and upon the proposed amendment having received the approval of the National Board, said amendment shall become part of this Constitution.

## **ARTICLE IX - Bylaws**

Section 1. The Section shall adopt Bylaws consistent with this Constitution for the guidance of Officers and Members.

Section 2. The Section Board may, by a two-thirds vote of those Board Members present at a meeting duly called, amend the Bylaws consistent with this Constitution, provided that a written notice of such proposed amendment has been given at the previous meeting of the Section Board, that the Secretary has mailed a copy of such proposed amendment to each member of the Section Board at least fifteen days before the meeting at which action is to be taken and that the President or Chairperson of the meeting has called for a quorum count immediately prior to such vote and has permitted such vote only if a quorum is present.

## **ARTICLE X - Permanent Funds of the Section**

Section 1. In 1926 there was established the Permanent Fund of the Section. This was renamed the Richard L. Humphrey Memorial Fund in 1939. The purpose of the Richard L. Humphrey Memorial Fund is to promote the objective of the Section with special attention to the long-term health and growth of the Section, to promotion of educational opportunities on a yearly basis, to special activities not of a yearly nature and to other special activities based upon long-term planning.

Section 2. The care and investment of the permanent funds of the Section shall be entrusted to a Board of Trustees comprised of the President, the Secretary, and three Appointed Trustees. The Board of Trustees shall require a minimum of three members in agreement to effectuate any business.

Section 3. Appointed Trustees shall serve a term of office of one year from October 1 to September 30 and shall be appointed as provided in the Bylaws. In the event of a resignation or removal of a Trustee, the Section Board shall appoint a replacement Trustee for the remainder of the year.

Section 4. The Board of Trustees shall elect amongst themselves a Chairperson and a Secretary-Treasurer. No person shall be Chairperson for more than three consecutive years. Neither the President of the Section nor the Secretary of the Section shall be the Secretary-Treasurer of the Board of Trustees.

Section 5. The Board of Trustees shall have the power to invest the permanent funds of the Section as prudent fiduciaries with broad discretion and may purchase legal or non-legal securities. The Board of Trustees shall give consideration to requests by the Section Board to invest or not to invest in specific securities, but shall not be bound by such requests.

## **ARTICLE XI - Local Branches**

Section 1. The Section may recognize Local Branches formed within the Section to facilitate the carrying out of the objective of the Section, to promote interest in the national organization of the American Society of Civil Engineers and to provide to members of the Section a better opportunity for participation in local Section activities in accordance with the provisions of the Bylaws.

Section 2. A Local Branch shall adopt and maintain Bylaws consistent with this Constitution and with the Bylaws of this Section. A Local Branch shall be bound by this Constitution and shall adopt Bylaws consistent with this Constitution. A Local Branch shall not be recognized by the Section until its Bylaws have been approved by the Section Board. A Local Branch shall not amend its Bylaws until its proposed amendment has been approved by the Section Board.

## **ARTICLE XII - Associate Member Forum**

Section 1. The Section shall recognize, as a Local Branch, an Associate Member Forum of the Section comprised of all Associate Section Members if such is formed by fifteen or more Associate Section Members.

Section 2. The objective of the Associate Member Forum shall be the same as the objectives of the Section. The Associate Member Forum shall also be charged with contributing to the full professional development and increased participation of its membership in all levels of the Section and society.

## **ARTICLE XIII - Subsidiary Groups**

Section 1. Other subsidiary groups, such as technical groups, student groups, or committees may be formed in accordance with the Bylaws of the Section.

## **ARTICLE XIV - Miscellaneous Provisions**

Section 1. No part of the net earnings of the Section shall inure to the benefit of any private shareholder or individual and no substantial part of the activities of the Section shall be carrying on propaganda, and the Section shall not participate in or intervene in (including the publishing or distribution of statements) any political campaign on behalf of any candidate for public office.

Section 2. Upon dissolution of the Section, the assets remaining after the payment of the debts of the Section shall be distributed to such corporation, community chest, charitable, scientific, testing for public safety, literary or educational purposes or for the prevention of cruelty to children or animals which would then qualify under the provisions of Section 501 (c) (3) of the Internal Revenue Code, as they now exist or as they may hereafter be amended, as the Section Board shall have designated and in the absence of such designation they shall be conveyed to the national organization of the American Society of Civil Engineers.