

the news



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

VOL. 56 - 4

OUR 71st YEAR

January, 1984

JANUARY DINNER MEETING

Philadelphia Section, American Society of Civil Engineers

TUESDAY, JANUARY 10, 1984

Engineers' Club, 1317 Spruce Street, Philadelphia

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

SUBJECT:

SUPERFUND — CLEANING UP OUR ENVIRONMENT

SPEAKER:

ANTHONY BARTOLOMEO, Environmental Engineer

Introduced by **THOMAS EICHLER**, Regional Administrator Environmental Protection Agency, Regional Three

A successful implementation of what amounted to EPA's first Superfund remedial action, where that agency assumed the lead on the clean-up of the Lehigh Electric Site, will be the focus of Mr. Bartolomeo's presentation.

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FEBRUARY DINNER MEETING

TUESDAY, FEBRUARY 14, 1984

Joint Meeting with the Women's Auxiliary

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

SUBJECT:

BRIDGES — — FALLING DOWN?

SPEAKERS:

ALFRED F. LYG, Chief Engineer of Highway Administration, Pennsylvania Department of Transportation; and

A. G. LICHTENSTEIN, President, A. G. Lichtenstein & Associates.

The structural integrity of our nation's bridges is a subject that is of critical concern to everyone. The Federal Highway Administration recently upped their estimates to \$48.9 billion to replace or rehabilitate over 253,000 functionally obsolete or structurally deficient bridges. Clearly, this topic which will be presented by two of our nation's noted experts in the field, should be a must for all of our members.

SPECIAL FEATURE:

UNIVERSITY OF PENNSYLVANIA AND TEMPLE UNIVERSITY NIGHT

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

ASCE Member—\$9.00 Non-Member—\$10.00 Students—\$4.00

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

TECHNICAL GROUP ACTIVITIES

Structural

January Meeting

Date: *Thursday, January 19, 1984*

Engineers' Club—7:00 p.m.

Cocktails—5:30 p.m.

Dinner—6:00 p.m.

Subject: *CTL's Investigation of Failures of Concrete Structures*

Speakers: Panel from the Construction Technology Laboratories (CTL) Portland Cement Association, Skokie, Illinois

Program Host: *Stephen H. Golden*, Chairman, Structural Group

The speakers will discuss Tornado damage to a concrete cooling tower; Evaluation of the collapse of Ramp "C", East Chicago, Ill.; Explosion damage to a grain silo; Rehabilitation of a 60 year-old building; Deterioration of parking structures; Evaluation of unique buildings.

The presentation will also include an overview of available research and forensic services able to be provided by the Construction Technology Laboratories.

For reservations for the dinner and discussion, please call *Mrs. Carolyn Matthews* (Steve Golden's secretary) at (215) 561-0460).

*

Geotechnical

*January Joint Dinner Meeting
Geotechnical Group and The Association
of Engineering Geologists*

Date: *Tuesday, January 17, 1984*

Engineers' Club

Dinner—6:00 p.m.

Meeting—7:15 p.m.

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IMPORTANT!! 1983 - 1984 Meeting Notices

THE NEWS is now being mailed at Non-Profit Organization Bulk Rate. While this promises postage savings to the Section, it also runs the risk of much longer delivery time from your local post office to your mail box. Therefore, please refer to your 1983 - 1984 Section Meeting Program Schedule and mark your calendar for all meetings and social functions. Listed below is a summary of remaining meeting dates.

All Dinner Meetings —

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

Tuesday, March 13, 1984 — Section Dinner Meeting, Engineers' Club

Subject: "Schuylkill Expressway Rehabilitation"

Speakers: *Robert Rowland*, District Engineer and *Jeff Green*, Project Coordinator for the Schuylkill Expressway, PennDOT, District 6.0.

Tuesday, April 10, 1984, Engineers' Club

*Joint Dinner Meeting with Philadelphia Post,
Society of American Military Engineers (SAME)*

Subject: "Conrail Coal Handling Operations from the Mines to the Ships"

Speaker: (Representative from Conrail to be announced)

Saturday Evening, May 5, 1984 —

*Annual Spring Social
Engineers' Club, Philadelphia, Pa.*

JANUARY MEETING

(continued from page 1)

The clean-up involved an oil spill that contained high concentrations of polychlorinated bi-phenyls (PCB's) in the soil — one of the most dangerous organic compounds known.

The Superfund, a major funding effort that was designed to provide remedial action since 1981, as the name implies, provides extensive challenges to the engineering firms, the regulatory agencies and the general public.

The speaker will be introduced by *Thomas Eichler*, Regional Administrator of EPA's Region Three. Mr. Bartolomeo graduated from the University of Pennsylvania with a B.S. degree in Civil Engineering in 1974. He has been involved in hazardous waste/superfund programs since its inception in 1980. *Don't miss this key meeting!*

SPECIAL FEATURE:

DREXEL UNIVERSITY NIGHT

The ASCE Student Chapter, Faculty and Alumni of the Civil Engineering Department of Drexel University will be honored at this meeting. All students, faculty and alumni are cordially invited to attend.

TECHNICAL GROUP ACTIVITIES

(continued from page 1)

Subject: *Grouting*

Speaker: *Dr. Wallace Hayward Baker*,
President, Hayward Baker Company,
Odenton, Maryland

Program Host: *Moustafa A. Gouda*,
P. E., Chairman, Geotechnical Group

For information and reservations,
please call:

Moustafa A. Gouda, (609) 461-1239

Dinner—\$9.00 Members

\$7.00 Students

This presentation will address the differences, applications and the uses of the three major types of grouting. Chemical, cement and compaction grouting will be defined. Case Histories will be presented along with quality assurance and quality control techniques.

Wallace Hayward Baker received his Bachelor of Science in Civil Engineering at Brigham Young University and his Master and Ph.D. in Civil Engineering at Northwestern University. From

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ATTENTION ASSOCIATE MEMBERS

Remember, the deadline for submission of your 1984 *Daniel W. Mead Contest* papers is *February 1, 1984*. Seven copies of each paper must be submitted through Section Secretary *Albert M. Tantala*, c/o Tantala Associates, 4903 Frankford Ave., Phila., PA 19124 — phone (215) 289-4600, to ASCE National Headquarters in New York. SEE THE OCTOBER, 1983 ISSUE OF THE NEWS FOR FULL DETAILS ABOUT THE DANIEL W. MEAD CONTEST.

Let's get to work immediately on the Mead Competition papers. The Phila. Section is proud of its many past wins.
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PHILADELPHIA SECTION AMERICAN SOCIETY OF CIVIL ENGINEERS

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**COPY DEADLINE FOR
FEBRUARY, 1984 ISSUE
JANUARY 10, 1984**

Section Supports Engineer-Surveyor Legislation

In a letter to the Pennsylvania Registration Board for Professional Engineers, Phila. Section President Bill Malarkey addressed the issue of legislation relating to Engineer-Surveyor registration as recently amended by the law-makers.

The letter and the Resolution — which was also adopted by the Pittsburgh Section — are printed herewith.

December 8, 1983

COMMONWEALTH OF PENNSYLVANIA
Registration Board for Professional Engineers
P. O. Box 2649
Harrisburg, Pennsylvania 17120

Gentlemen:

At the Board Meeting held November 8, 1983, the Philadelphia Section, American Society of Civil Engineers Board of Directors unanimously passed a resolution requesting the Pennsylvania Legislature to reinstitute the legislation allowing a Professional Engineer registered before February 13, 1981 to secure registration as a Professional Land Surveyor without examination. The resolution is based on the fact that no notice of the new legislation requiring a separate license for Land Surveying was given when the Professional Engineer license renewal notices were distributed.

Please request the Legislature to enact the proper legislation to extend this registration period for two years.

Very truly yours,

WILLIAM M. MALARKEY, P.E.
President

* * *

RESOLUTION OF THE PHILADELPHIA SECTION OF A. S. C. E. REQUESTING THE PENNSYLVANIA LEGISLATURE TO EXTEND THE GRANDFATHER PROVISION FOR APPLICATION BY REGISTERED PROFESSIONAL ENGINEERS AS A RIGHT FOR A LAND SURVEYING LICENSE.

WHEREAS, the Commonwealth of Pennsylvania amended the Registered Professional Engineer Licensing Act of May 23, 1945, P. L. 913, No. 367 in December 13, 1979, causing the surveying right of registered Professional Engineers to expire on February 13, 1981;

WHEREAS, the Pennsylvania Board for Registration of Professional Engineers sent out the usual licensing renewals with *no notice whatsoever* of the expiration of the surveying right;

WHEREAS, all Registered Professional Engineers receiving said renewals could reasonably presume without notice that they were getting the same license with the surveying right as the Board had always issued.

BE IT RESOLVED that the Philadelphia Section of A. S. C. E. requests the Legislature to enact a technical correction act whereby the Grandfather Clause of the above said licensing act be reinstated for Professional Engineers registered before February 13, 1981 and extended for a minimum of two years beyond the time licensing renewals are sent to all Pennsylvania Registered Professional Engineers with *clear notice* the right to apply for a separate license as a Land Surveyor as a right will expire unless application is made within the two-year period.

WOMEN'S AUXILIARY

Xmas Party at Ann Leasure's

Continuing the policy instituted last year, The Phila. Section's Women's Auxiliary celebrated its Annual Christmas Party and Luncheon at the home of one of its members. This year the affair was hosted by Auxiliary Past President (1978-1980) Ann (Mrs. James D.) Leasure, on December 21, 1983, at the Leasure's lovely Mount Airy home, which was beautifully decorated. As is

customary at Holiday Season gatherings, there was no business discussion, and social activity set the tone of the afternoon. A delicious lunch was served, polyanthuses were exchanged, and general fun in the Holiday spirit prevailed.

All who were present had a wonderful time at the party. The Auxiliary extends its heartiest gratitude to Anne for her expertise and graciousness as hostess of the affair.

MEMBERS IN THE NEWS

McPhillips Wins National ASCE Award

Philadelphia Section Past President James W. McPhillips has won the *National ASCE Zone 1 Government Civil Engineer of the Year Award for 1983*. The award was established by National's Committee on Civil Engineers in Government.

As Chief Engineer and Surveyor, Philadelphia Department of Streets, Jim McPhillips occupies the highest Civil Service engineering position in City Government. He was appointed to the job in July, 1962 as a result of a competitive examination following a nationwide search for the most qualified candidate. A graduate of Drexel University, he earned his B.S.C.E. in 1953 and M.S.C.E. in 1956 at the same school. He is a Registered Professional Engineer in Pennsylvania.

In his position, Mr. McPhillips also serves as President of the City of Philadelphia Board of Surveyors, and he is a member of the Fairmount Park Commission. He is in charge of and is responsible for the engineering administration and direction of the Engineering Division of the Department of Streets. He oversees a staff of 200 professional engineers, design and construction engineers and land surveyors, with an annual Operating Budget of \$4.5 million.

Mr. McPhillips's nomination for the Award was approved unanimously by the Philadelphia Section Board of Directors at its meeting on October 11, 1983, and was submitted to National ASCE Department of Professional Affairs by Section Secretary Albert M. Tantala on October 25th. The Award will be presented to Mr. McPhillips at the Zone 1 Section Management Conference and Workshop in New York City in late January, 1984.

The Philadelphia Section Membership extends its heartiest congratulations to Jim McPhillips on achieving this high honor.

February Meeting with Main Section

There will be no Women's Auxiliary regular Luncheon Meetings in January and February, 1984. Members are urged to attend the Joint Dinner Meeting with the Main Section on *Tuesday, February 14, 1984*, at the Engineers' Club. (See full details on page one of this issue and next month in the February, 1984 issue of THE NEWS).

DECEMBER MEETING

December 13, 1983 Engineers' Club

SEPTA Update

by Greg Neiderer, Staff Writer

Over 100 members and guests were treated to a return visit to the Philadelphia Section of the always-interesting *David L. Gunn*, Chief Operations Officer and General Manager, Southeastern Pennsylvania Transportation Authority (SEPTA). His topic was: *SEPTA Management: Success or Failure*.

Susan Lior, Chairlady, Phila. Section's Engineering Management Group, was our highly skilled Program Host for the meeting.

Widener Night

The meeting honored the ASCE Student Chapter and Civil Engineering Department of Widener University. Student Chapter President *Michael Lavery* thanked the Section for its recognition and courtesies to the Chapter. He introduced other officers and faculty members in attendance:

Vice-President—*Mary Alexander*

Secretary—*Thomas Quinlan*

Treasurer—*Lucia Chan*

Faculty Advisor—

Prof. Balaur Dhillan

Faculty Advisor—*Mrs. Vicki Brown*

Student Representative—

Andrew Giancarli

Student membership attendance was constrained by the hardships of Finals Week at Widener — but the Section appreciates the special efforts exerted by those who were present at the meeting.

President Lavery pointed out that the ASCE Student Chapter at Widener is concentrating on attracting student participation through interesting activities. These include: field trips to major projects, such as the Center City Commuter Rail Connection, the Limerick Nuclear Power Station and the Phila. Naval Base; technical discussions featuring prominent speakers; an annual alumni dinner; and a variety of athletic events, such as the Spring Concrete Canoe Race.

Ms. Lior Presents Mr. Gunn

Engineering Management Group Chairlady Susan Lior appealed for Phila. Section members and their associates to join in the interesting and rewarding activities of the Group. (*Editor's Note*: Ms. Lior's address and phone number are listed in the "Technical Group Details" column elsewhere in this issue of THE NEWS).

Ms. Lior then presented the featured speaker: *David Gunn*, Chief Operations Officer and General Manager of SEPTA. In a frank speech peppered with humor, Mr. Gunn outlined what factors have helped and hindered the progress of the Southeast Pennsylvania Transportation Authority.

Success Equals Opportunity Plus Action

Progress has been made at SEPTA. And Mr. Gunn attributes this success to taking action on the favorable opportunities which have occurred. Lady luck provided SEPTA with three important breaks. First and foremost the Board of SEPTA has changed for the better. This is due to the leadership of the new Chairman and the arrival of several new members. Second, many local elected officials decided to cooperate after fearfully realizing what was happening to SEPTA. Third, State legislators became concerned with SEPTA's record and brought pressure to the renewed interest in making SEPTA perform. These three factors combined to give SEPTA management what it needed: the authority required for its existing responsibility. Management now had full control over the day to day decisions of hiring, firing, promoting. Management has used its new authority to set up a clear responsive chain of command, to set clear operating goals, and to bargain hard with the unions.

What Has Changed

The results of SEPTA management's new authority is reflected in its employees.

A successful line management now exists from general manager to foreman. Each of these employees has to perform. None are protected by the unions or civil service, and the clear division of responsibility makes it easy to measure productivity. This encourages SEPTA's management staff to operate efficiently.

Another result of management's new authority was its ability to negotiate a new contract with its labor unions. This gave management the flexibility it needed. And SEPTA's approximately 7,000 union employees are better qualified today due to improved technical training and clear performance requirements, which must be attained before changing labor grades.

But the most important result is the increase in the quality of SEPTA's service. Statistics, such as on-board fires, crime, graffiti, missed trips and average downtimes have improved considerably. And last year SEPTA's increased effi-

ciency resulted in a savings of \$25 million on its operating budget. Ironically the State has nullified this saving by reducing its appropriation to SEPTA by \$25 million.

Required: Good Policy and Good

Performance

Mr. Gunn stated that what is needed to properly run any organization is both good policy and good performance. He feels that SEPTA management is performing well and that the SEPTA Board policy is good. But Mr. Gunn believes that the overall regional political policy toward SEPTA is not so good. Presently mass transit is seen as a convenience for the downtown commuter and the poor. Until it is viewed as part of the infrastructure needed for the health of the region (such as the Schuylkill expressway and the airport are viewed) SEPTA will continue to face many problems.

The Funding Situation

The greatest obstacle produced by this attitude towards mass transit is the funding problem. Mr. Gunn is sure that SEPTA will be out of funds this April. Even one payless payday could jeopardize the progress made in the last four years. And there seems to be no source of additional funding.

Questions and Answers

After his speech Mr. Gunn received some challenging questions from the audience, to which he responded forthrightly and unflinchingly.

When asked about his opinion of the commuter tunnel in center city, Mr. Gunn replied that from an operations point of view the tunnel is "like giving a drowning man a rock". In the short run the tunnel is not going to increase reliability or save money. And since none of the support systems have received funding to upgrade them to withstand the increased demand, he felt it would take a lot of money and two to three years to raise that project to its operational goals.

Upon being criticized for SEPTA's refusal to spend a million dollars earmarked for computer simulation of commuter tunnel traffic, he replied that such a study would have been a complete waste since at that time there were too many unknowns (particularly the labor union contracts) accurately to model the real world.

When asked about the future of the street car system in North Philadelphia Mr. Gunn answered that there probably

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DECEMBER MEETING

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is no future. Without capital funds, which do not exist, buses will soon be taking over for the trolleys.

Mr. Gunn also said that while value engineering "makes scarce funds go further", it is not a panacea.

When asked if SEPTA has experienced any problems similar to those reported in highway construction due to federally mandated MBE (Minority Business Enterprises) or WBE (Women Business Enterprises) programs, Mr. Gunn said no, in general SEPTA has not had any problems with those programs.

After the question and answer session, Program Host Lior and Section President Bill Malarkey presented Mr. Gunn with the Section's Certificate of Appreciation for his frank, enlightening and interesting look into SEPTA Operations.

**SECTION MEMBERSHIP
ASSIGNMENT PREFERENCES**

A number of the area ASCE members have raised questions concerning their assignment to an ASCE Section. Section assignments are made on the basis of mailing addresses. If an ASCE member, for example, lives in New Jersey but works in Philadelphia he/she will be assigned by National to one of two Sections. If the ASCE member uses his/her home address for receiving mail, the Section assignment will be New Jersey. If the mailing address used, however, is the work address, the Section assignment will be Philadelphia.

For ASCE members who do not live or work in a region covered by the ASCE Section he/she would prefer to belong to, ASCE National will still make the Section Membership assignment based on mailing address. If membership in another Section is still desired, the member must personally contact the Section he/she is desirous of joining and pay Local Section dues. This procedure is discussed in the mailing package sent with the annual dues statement.

Any ASCE member may belong to as many Sections as he/she would like, but he/she must contact the Sections directly, with the sole exception being the Section assigned by National. Persons interested in membership in the Philadelphia Section should contact **Al Tautala**, Section Secretary, at 289-4600.

**Concrete Reinforcing Steel
Institute****HIGHWAY RAMP FAILURE**

Area engineers and contractors on *January 18, 1984* will hear the results of an investigation into the partial collapse of an elevated highway ramp in East Chicago, Indiana. The failure occurred on April 1, 1982 and was the worst construction accident in Indiana history.

Dr. Nicholas J. Carino, Ph.D., Research Civil Engineer, National Bureau of Standards, U.S. Dept. of Commerce, Washington, D.C., will present the findings of the extensive NBS study, which was composed of field investigations, laboratory tests and structural analyses. The report is based upon a report prepared for the Occupational Safety and Health Administration, covering events leading up to the accident, and the most likely triggering mechanism of the collapse.

The presentation is sponsored by the Gator Chapter of the Concrete Reinforcing Steel Institute and is free to local structural engineers, concrete contractors and others involved in the design and construction of reinforced concrete structures. A complimentary lunch will be served from 12:00 to 12:30 with the presentation running from 12:30 to 1:30 P.M. The Meeting is to be held at *Adam's Mark Hotel*, City Line Avenue and Monument Road, Philadelphia. Reservations are required and may be made by calling *Carl Fagioli*, Dayton-Superior Corp., (215) 532-7786.

Dr. Carino is currently a research civil engineer in the Construction Engineering Group at the National Bureau of Standards, where he has conducted research on various non-destructive test methods for construction materials. He has also been involved in the investigation of major construction failures, such as the condominium collapse in Cocoa Beach, Florida and the highway ramp collapse in East Chicago, Indiana. Prior to joining NBS, he was on the faculty at the University of Texas at Austin, where he received several awards for teaching excellence.

The Concrete Reinforcing Steel Institute is a cooperative, non-profit organization composed of firms engaged in the production and fabrication of reinforcing steel and accessories. It also includes professional members in the architectural, engineering and manufacturing fields involved in reinforced concrete structures and transportation facilities.

1984 ACI Seminar Series

The American Concrete Institute and the Portland Cement Association announce their 1984 series of seminars on the ACI 318-83 Building Code and PCA Simplified Design Handbook — to be conducted in cities across the United States in cosponsorship with ACI's Standard Building Code Committee, local ACI chapters, PCA regions, and other organizations. The Seminar will be presented in Philadelphia on *April 19, 1984*.

This seminar is vital to designers of concrete structures. Covering the latest changes to the 318-83 Building Code over the past five years, presenters are nationally recognized authorities who will explain specific design examples and demonstrate the impact these changes have on a particular design feature. Specific recommendations will be made to reduce design time of smaller buildings.

The cost for this seminar is \$150 for ACI members and \$165 for nonmembers of ACI. Participants can take advantage of an additional \$10.00 savings by registering at least seven days prior to the seminar.

Seminar handout materials will be provided—worth more than \$68.00. In addition to the ACI "318-83 Building Code Requirements for Reinforced Concrete" with "Commentary", participants will receive the PCA handbook, "Simplified Design of Concrete Buildings of Moderate Size and Height," and PCA "Notes on ACI 318-83" which explains the changes to the Building Code and provides specific design examples.

For additional information, contact the Education Department, American Concrete Institute, P. O. Box 19150, Detroit, Michigan 48219, or call (313) 532-2600.

(Editor's Note: Further information about the Philadelphia presentation on April 19, 1984 will be published in THE NEWS as it becomes available).

ASSOCIATE MEMBERS

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ners and wants to continue to be in the forefront. Past winners are:

- 1974—*John E. Spitko*—National Award
- 1977—*Joseph R. Szyrnik*—Zone I Award
- 1978—*David S. Shaw*—Zone I Award
- 1979—*Haym Bemaroya*—Zone I Award
- 1983—*Greg Neiderer*—Zone III Award

ASCE DUES BILL AND TECHNICAL GROUP DETAILS

Section members will notice in the 1984 dues bill from National ASCE Headquarters, that the PHILADELPHIA (SECTION) DUES is itemized as \$12.00. 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 Chairmen of the Technical Groups of your preference, so that their membership lists can be classified.

The appropriate individuals to contact are the following:

Liaison

Ira N. Pierce, Chairman
Kassner-Pierce Consulting Engineers
The Bourse Building
Independence Mall East
Philadelphia, PA 19106
(215) 238-0222

Construction

Fredric L. Plotnick, Chairman
806 Hillton Lane
Elkins Park, PA 19117
(215) 487-1443

Engineering Management

Susan Lior, Chairlady
T. J. Trauner Associates
The Widener Building
Chestnut at Juniper
Philadelphia, PA 19107
(215) 854-0887

Geotechnical

Moustafa A. Gouda, Chairman
Lippincott Engineering Associates
501 Burlington Avenue
Delanco, New Jersey 08075
(609) 461-1239

Structural

Stephen H. Golden, Chairman
Penmoni Associates, Inc.
1911 Arch Street
Philadelphia, PA 19103
(215) 561-0460

Transportation and Urban Development

Janusz Supernak, Chairman
Department of Civil Engineering
Drexel University
Philadelphia, PA 19104
(215) 895-2340

Water and Environmental Eng. Group

H. Y. Rajagopal, ("Raj"), Chairman
United Engineers & Constructors, Inc.
30 South 17th Street
Philadelphia, PA
(215) 422-3032

TECHNICAL GROUP ACTIVITIES

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1968 to 1972 he was Managing Director of Soil Testing Espanola, S. A., in Madrid, Spain. From 1973 to present, he has been President of the Hayward Baker Company of Odenton, Maryland, a firm specializing in Ground Modification construction.

Hayward Baker Company has performed major grouting projects on the San Francisco, Washington, Baltimore, Boston, Pittsburgh and Caracas Subways. In the course of the Company's operation, Dr. Baker has overseen many innovations in grouting technology including utilization of micro-processing, cross hole shear wave velocity, cross hole radar, acoustic emission, etc.

Dr. Baker was the principal author of the four-volume report on "Design and Control of Chemical Grouting" for the Federal Highway Administration. He is currently Chairman of the ASCE Grouting Committee; was Co-Chairman of the ASCE Specialty Conference, "Grouting in Geotechnical Engineering," held in New Orleans in February, 1982; and, Chairman of the UTRC Technical Committee on Ground Strengthening.

REINSTATEMENT ASCE MEMBERSHIP

National ASCE has two important By-Laws regarding suspension of members for dues delinquency and re-instatement requirements:

Suspension of a member will now take place after twelve months dues delinquency instead of the former eighteen months. Publications, however, are either paid for in advance or cancelled within three months of non-payment of dues;

Reinstatement — Under the current membership drive, a former (suspended) member who owes money may, for 1983, reapply and pay the \$25.00 membership application fee, and be reinstated, with past debts forgiven. However, large debts regarding journals may not be entirely forgiven.

The above reinstatement provisions will also apply to Phila. Section membership. Reinstatement to the Section will be automatic (after reinstatement to National ASCE) with former member's payment of the 1983 (\$12.00) dues and subsequent year's dues.

Have you sent your dues
to National Headquarters?

DER to Discuss Forest Lands

The Pennsylvania Department of Environmental Resources, Bureau of Forestry, will be holding a series of 23 public meetings around the Commonwealth for interested or concerned individuals, groups, community leaders, and the news media. Phila. Section members are cordially invited to attend any or all of the meetings. A complete schedule of dates, locations and full information may be obtained by writing to PA. Dept. of Environmental Resources, P. O. Box 1467, Harrisburg, PA 17120, Phone: (717) 787-2703, refer to RM-F FAS, Bureau of Forestry, Attn.: R. R. Thorpe, State Forester.

The purpose of these meetings is to provide you with an opportunity to express your needs from the State Forest system and your desires about how those lands should be used and managed. This information will assist the Bureau in revising its State Forest Resource Plans for the period 1985-1999. It will enable us to make plans and decisions about State Forest land use based on needs and desires as well as available scientific and technical knowledge. It will also help us reduce conflict between the various types of use. Our intent is to develop a revised workable plan acceptable to individuals and engineering organizations.

The use and management of these two million plus acres of valuable forest land located throughout the Commonwealth have a significant impact on its economy, beauty, and recreational opportunities. Our State Forest Resource Plans attempt to provide the maximum public benefits in terms of water, recreation, wildlife, minerals, and raw wood supplies with minimum conflict between these often competing forest resource uses.

WASTE CONFERENCE PROCEEDINGS AVAILABLE

Proceedings from the "Conference on the Disposal of Solid, Liquid and Hazardous Wastes", held at Lehigh University on April 28 and 29, 1983 sponsored by the Lehigh Valley Section, ASCE, and Lehigh University Center for Marine and Environmental Studies are available for purchase at \$25 per copy. They may be ordered from:

Dr. I. J. Kugelmann
Center for Marine and
Environmental Studies
Chandler Hall, Building No. 17
Lehigh University
Bethlehem, PA 18015

Checks should be made out to: Lehigh Valley Section, ASCE.