

the news



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

Vol. 62-4

76 Years of Excellence

JANUARY, 1990

JANUARY JOINT DINNER MEETING

Philadelphia Section, American Society of Civil Engineers
Delaware Valley Section, American Society of Highway Engineers (ASHE)

WEDNESDAY, JANUARY 17, 1990

LOCATION: HOLIDAY INN, Goddard Boulevard, King of Prussia, PA
Social Hour - 6:00 P.M. Dinner - 7:00 P.M. Meeting - 8:00 P.M

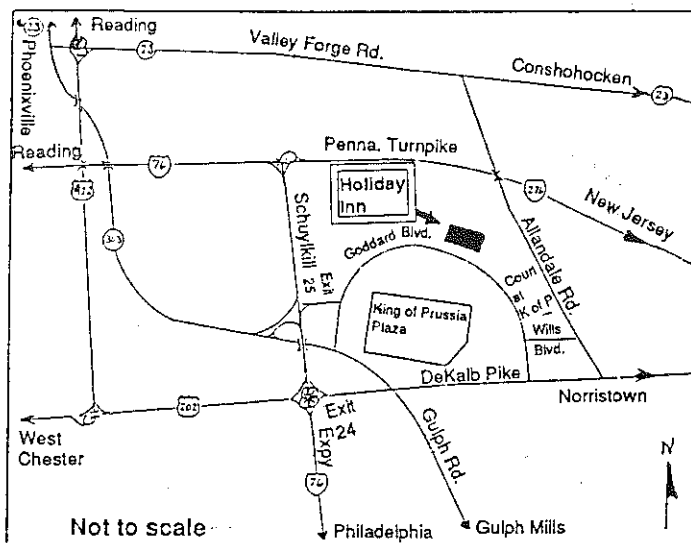
SUBJECT: VINE STREET - PHILADELPHIA'S LAST EXPRESSWAY

MODERATOR: JAMES W. McPHILLIPS, P.E., Vice President, Urban Engineers, Inc.

SPEAKERS: VITO GENUA, P.E., PA Dept. of Transportation, "The Design Challenge"
PANEL: JOSEPH P. McATEE, P.E., Urban Engineers, Inc., "The Construction Challenge"
STEPHEN B. LESTER, P.E., District Engineer, PA Dept. of Transportation, "The Department's Challenge"

The \$200 million Vinc Street Expressway project in Center City Philadelphia from 18th Street to I-95, presently in its third year of construction, may be the last major new limited access urban expressway built in this country, in this century. Certainly it is the last in this City.

(Continued on Page 2)



LOCATION MAP
for
Holiday Inn,
Goddard Blvd.,
King of Prussia

THE SNOWSTORM "DONE US IN!!"

Ol' Man Winter beat his breast on December 12, 1989, declared his authority, and bellowed that there would be no Philadelphia Section, ASCE meeting on that date at the Engineers' Club. A vicious cold front and snow-sleet storm descended on the Delaware Valley area, and for the first time in more than a decade, a Philadelphia Section meeting was cancelled because of the weather. The meeting, which promised to be a highly interesting one, was to be held jointly with The Association for Preservation Technology, and The Preservation Committee, American Institute of Architects. The subject was: "Repair and Investigation of the Roof Truss System in the Academy of Music, Philadelphia." Scheduled speakers were: Mr. Nick Gianopoulos, Chairman of the Board, Keast and Hood, Structural Engineers; and Dr. Harry Harris, Professor of Civil Engineering, Drexel University.

It is hoped that the meeting will be rescheduled at a future date.

TECHNICAL GROUP ACTIVITIES

Geotechnical and
Water/Environmental Group
(Combined Program for 1989-1990)
January Meeting

Date: Tuesday, January 16, 1989 - 7:00 pm
Drexel University, Living Arts Lounge,
Creese Student Center, Chestnut Street
between 32nd and 33rd, Philadelphia, PA
Subject: RCRA Closure of Hazardous
Surface Impoundments

The frequency of surface impoundment closures has increased over the past few years due in large part to the November 8, 1988 termination of the U.S. Government Resource Conservation Recovery Act (RCRA) facility interim status. Specifically, facilities which have not received a RCRA Part B permit, including an

(Continued on Page 2)

NOTICE!! DINNER AT PHILA. SECTION MEETINGS WILL BE SERVED ONLY TO THOSE WHO CALL IN THEIR RESERVATIONS. FOR ALL MEETINGS - AS THEY ARE ANNOUNCED IN THE NEWS - PLEASE CALL PRESIDENT WEGGEL'S SECRETARY, KWEEING, AT (215) 895-2364 IMMEDIATELY.

Dinner charge at the January 17, 1990 meeting at Holiday Inn, King of Prussia: Member & Guests - \$20; Students - \$10.00.

FEBRUARY LUNCHEON MEETING

Philadelphia Section, American Society of Civil Engineers

TUESDAY, FEBRUARY 13, 1990

ENGINEERS' CLUB, 1317 Spruce Street, Philadelphia
Cocktails - 11:00 A.M. Luncheon - 12:00 NOON Meeting - 1:00 P.M.

SUBJECT: PROFESSIONAL LIABILITY INSURANCE -
Prospective: Exposures, Responsibilities and Liabilities of Design Professionals in the Current Environment.

SPEAKER: KENNETH R. WORTLEY, Head, Professional Liability Department, Paul M. Hertel & Company, Insurance

SPECIAL FEATURE: VILLANOVA UNIVERSITY DAY

FOR RESERVATIONS FOR THE FEBRUARY 13, 1990 MEETING - PLEASE CALL PRESIDENT WEGGEL'S SECRETARY, KWEEING AT (215) 895-2364.

STUDENTS: If you prefer, you are invited & welcome to attend the Meeting after Dinner, at no charge.

JANUARY JOINT MEETING

(Continued from Page 1)

In various stages of design since the early 1960's, awash in controversy for 25 years, Vine Street is presently becoming a physical reality across Center City.

January's program will look briefly at the history of this long-delayed and troubled project, but primarily it will focus on the unique design and construction challenges that have been faced and met to bring a major engineering project to fruition in the heart of a dense urban center.

The project is managed by the Penna. Dept. of Transportation. Project final design was performed by Michael Baker, Jr., for four contract sections and by Modjeski and Masters for one section. Construction management of the project is currently provided by a Joint Venture of Gaudet & O'Brien Associates and Urban Engineers, Inc. Contractors associated with the project are: Advanced Contract - Colanaro Contracting Co., Sections 9 and 10 - Perini Corp.; Section 11 - Joint Venture of Conduit Foundation/Buckley Co./Elliot Lewis; Section B-67 - Driscoll Construction Co.

Panelists have been closely associated with the design and/or construction of the project for a number of years.

James W. McPhillips, a Vice President with Urban Engineers, Inc. is a former Chief Engineer of the Dept. of Streets, City of Phila. He is a graduate of Drexel University. Mr. McPhillips, in several capacities, has been connected with the Vine Street Expressway project for over 27 years.

Vito Genua has been with the Penna. Dept. of Transportation for over 17 years and is currently Project Management Administrator for District 6-0. He is a graduate of Villanova University. Mr. Genua functioned as Chief Liaison Engineer for PADOT in the design development of the project.

Joseph P. McAtee is a Vice President with Urban Engineers, and in charge of Construction Management activities for the firm. He is a graduate of Drexel University and is currently Project Director for Construction Management Consulting Services for the Vine Street project.

Stephen B. Lester is a graduate of Villanova University with BSCE and MSCE degrees. He has over 25 years experience with the Pennsylvania Dept. of Transportation and is currently District Engineer for District 6-0. Mr. Lester will focus his remarks on the overall issue of major limited access highways in this Region and the particular challenge of Vine Street.

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)

approved impoundment closure plan by late-1988, are required by law to be in the process of obtaining approval for their plans to close on-site surface impoundments. Other regulatory mandates, such as the RCRA Land Ban Regulations, have also expedited the need to close surface impoundments.

This meeting will include a presentation of a case study involving closure of a multi-impoundment facility. Solutions to the technical and administrative problems which arose due to the cir-

cumstances under which the project was performed will be discussed. The closure alternative consisted of in-situ chemical stabilization and an innovative alternative cap design that meets RCRA performance standards, while significantly decreasing construction costs. Issues such as regulatory requirements, facility owner/operator liability, and evaluation of whether performance standards have been met will be addressed, as well as consolidation and compaction procedures, in-situ sludge/reagent mixing procedures and quality control.

(Continued on Page 3)

REDUCED PARKING RATES

Philadelphia Section, ASCE members and guests, are entitled to special parking rates, for Engineers' Club meetings, at **E-Z Parking Garage**, N.E. corner of Broad and Pine Sts. Announce to the parking attendant or manager that you are attending a technical meeting at the Club. You will receive a reduced rate ticket to be validated at the Club.

PHILADELPHIA SECTION AMERICAN SOCIETY OF CIVIL ENGINEERS OFFICERS 1989-1990

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Drexel University

Dept. of Civil &

Architectural Engineering

32nd & Chestnut Streets

Philadelphia, PA 19104

(215) 895-2355

Secretary - Robert M. Wright

City of Philadelphia

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**COPY DEADLINE
FOR
FEBRUARY 1990
ISSUE
JANUARY 17, 1990**

Technical Group Activities

(Continued from Page 2)

For further information, please contact:

Geotechnical

Dr. J.P. Martin
Department of Civil and Arch. Engineering
Drexel University
Philadelphia, PA 19104
(215) 895-2363

Water Resources/Environmental

Mr. Raymond E. Lees
Westinghouse Environmental &
Geotechnical Services, Inc.
323 Norristown Rd., Suite 200
Ambler, PA 19002
(215) 542-9100

Structural Group

February Meeting

Date: **Wednesday, February 28, 1990**

Engineers' Club

Cocktails 5:30 pm Dinner - 6:30 pm
Meeting - 7:30 pm

Subject: **The Bell Atlantic Tower**

Speaker: **Dr. P.V. Banavalkar, C.B.M.** Engineers, Houston, TX

Dr. Banavalkar will present a program on the structural systems for one of the newest additions to the city's skyline. He will overview the design and optimization studies that led to their solution for the skeleton of this 53-story structure.

For reservations and information, please contact **David A. VanOcker, P.E.**, Chairman, Structural Technical Group, c/o Christakis & Kachele, Inc., (215) 352-7676.

ENGINEERING MANAGEMENT GROUP SEEKS CHAIRMAN

Phila. Section, ASCE Engineering Management Technical Group Chairman **Edward F. Koehler** has resigned. In a letter to Section Vice President Moustafa Gouda, who is Liaison Officer to the Technical Groups, Koehler wrote "... I have recently taken a position with a private firm, and the time available to allot to ASCE is simply inadequate to do justice to the job. I will continue my ASCE membership and participate in activities and meetings as time permits..."

Philadelphia Section members who are interested in appointment to this important Section affiliation are urged to contact Vice President Gouda, as follows:

Moustafa A. Gouda, Lippincott Engineering Associates, 1 Pavilion Place, Riverside, NJ 08075. (609) 461-1239.

Transportation and Urban Development Technical Group Upcoming Meetings 1989-90

Thursday, February 22, 1990

(Joint Meeting with IEEB)

Subject: *Newark Waterfront Connection*

Speaker: **Sal Matina, P.E.**, PBQ&D

Thursday, March 22, 1990

Subject: *Transportation in Philadelphia*

Speaker: **Denise Goren**, Director Office of Transportation

Thursday, April 26, 1990

Subject: To be announced

Thursday, May 24, 1990

Subject: To be announced

Possible Topics

SEPTA 9th Street Branch

UMTA 10-Year Program

Philadelphia Port

Hypersonic Trave, Others

Full particulars of the Group meetings will appear in coming issues of THE NEWS.

(Continued on Page 4)

SECTION ACTIVE IN 1990 ENGINEERS' WEEK

Many Philadelphia Section, ASCE members will occupy official positions on the 1990 Engineers' Week Committee during the Delaware Valley Celebration **February 15-24, 1990**, in conjunction with the National Celebration throughout the United States.

The candidate of the Philadelphia Section and South Jersey Branch, New Jersey Section, ASCE, **Gerald E. Speitel, P.E.**, was the 1989 Engineer of the Year for the Delaware Valley, and he will serve as the General Chairman of the 1990 Engineers' Week Committee. A Civil Engineer who heads his own consulting firm, Mr. Speitel just completed a term as national ASCE Vice President, Zone I.

Some fifty Engineering, Scientific and Technical Societies sponsor the observance in the Delaware Valley. Principal local functions of the Celebration will include (**mark your calendars for the dates** - full details will be included in the February, 1990 issue of THE NEWS):

- Philadelphia MathCounts Competition - **Feb. 10, 1990**
- Proclamation Luncheon (Engineer of the Year) - **Feb. 15, 1990**
- PenJerDel Council Breakfast - **Feb. 20, 1990**
- Engineers' Club Luncheon - **Feb. 22, 1990**
- Science and Math Teachers Workshop - **Feb. 22, 1990**
- Engineers' Week Banquet - **Feb. 24, 1990**

Philadelphia Section, ASCE members who are serving in key 1990 Committee positions - in addition to General Chairman Speitel - are:

Leonard K. Bernstein, P.E. - General Committee Function

Lewis A. Caccese, P.E. - Past Engineer of the Year

John J. Gillespie, P.E. - Engineering Achievements Awards

John Keenan, Ph.D., P.E. - General Committee Function

Robert M. Koerner, Ph.D., P.E. - Past Engineer of the Year

Joseph Krulikowski - High School Program

Robert D. Lynch, Ph.D., P.E. - General Committee Function

C. Charles Miesse - ETSCO, SET Career Day

C.R. Pennoni, P.E. - Past Engineer of the Year
August D. Pistilli, Ph.D., P.E. - Past Engineer of the Year

Fredric L. Plotnick, Esquire, P.E. - Program Arrangements

Mehdi Sarram, P.E. - Vice Chairman of Committee

Albert M. Tantala, P.E. - General Committee Function

Norman G. Weintraub, P.E. - Banquet Arrangements

Richard E. Woodring, Ph.D., P.E. - Past Engineer of the Year

Kenneth J. Zitomer, P.E. - General Committee Function

Sal Bucolo - Vice Chairman of Committee

The Philadelphia Section, ASCE is a perennial active participant in the Annual Engineers' Week and contributes financially to the General Committee to assist in making possible the many activities of the Celebration.

MEMBERS IN THE NEWS

Tantala Seminar Speaker

Philadelphia Section Past President (1986-1987) **Albert M. Tantala, P.E.**, President, Tantala Associates, Consulting Engineers, Philadelphia, PA will be Guest Speaker at the *Foundation for Independent Colleges Breakfast Seminar* on **Tuesday, January 23, 1990, 8:00 - 9:30 am**, at **Holy Family College**, Grant and Frankford Avenues, Philadelphia, PA 19114.

Mr. Tantala's lecture and slide presentation will be entitled: *"Infrastructure - A Crumbling America."* His talk will explore the disintegration of many of the foundations of American culture - highways, bridges, sewer systems, prisons, etc. The history and extent of the problems will be examined, and some potential solutions postulated.

Alan Cohen Firm Relocates

GZA Environmental Services, Inc., a publicly traded consulting firm specializing in environment, geotechnical and geohydrological engineering, is relocating from Bala Cynwyd to **2009 Renaissance Boulevard, Suite 150, King of Prussia, PA 19406** (Gulph Mills area), phone (215) 277-9010. Phila. Section member **Alan Cohen, P.E.**, is Senior Consultant to the firm.

GZA is presently staffing the operation and is looking for all levels of employees, from senior professional to technician levels. This includes specialists in Environmental, Geotechnical and Geohydrologic Engineering, draftsmen, field and laboratory technicians in all phases of engineering. For full particulars those interested may contact Mr. Cohen at the firm's new office after January 2, 1990.

DURRANT ELECTED ASCE DISTRICT 4 DIRECTOR



Philadelphia Section Past President (1984-1985) John E. Durrant, P.E., has been elected National ASCE District 4 Director and was installed at the National Convention in New Orleans in November, 1989. He will serve from October, 1989 to October, 1992, and will represent all the Local Sections of Pennsylvania on the Board of Direction.

John, who is Chief, Materials Testing Laboratory, Philadelphia Water Department, was named City Employee of the month for June, 1987. He holds both Bachelor's and Master's degrees in Civil Engineering from Villanova University. In addition to the Presidency of the Philadelphia Section (1984-1985) during his long and active participation, John has served as President of the Associate (Younger) Member Forum, and chaired the Section's Student Chapter Committee from 1979 to 1982, and he is currently Chairman of the Awards Committee. At the District 4 level, he is a member of the District Council Committee on Legislative Affairs and was Vice Chairman of the Council during 1985-1986.

Mr. Durrant is a recipient of National ASCE's **Edmund Friedman Young Engineer Award for Professional Achievement**. In addition to ASCE, he is a member of the American Water Works Association.

John was named City Employee of the Month in June 1987 and has been an instructor for the Community College of Philadelphia's City Employees Construction Technology program. He is the founding President of the National Ambassadors for Corneal Transplant. NACT is a national support group for Corneal transplant recipients and is affiliated with the Eye Bank Association of America.

Cracking In Steel Bridge Structures

A major 3-volume publication on Cracking in Steel Bridge Structures is now available from The Center For Advanced Technology for Large Structural Systems (ATLSS) at Lehigh University, Bethlehem, Pennsylvania. ATLSS proudly announces this new reference publication which is suitable also as a teaching guide.

VOLUME I: A SURVEY OF LOCALIZED CRACKING IN STEEL BRIDGES 1981 TO 1988.

Volume I documents localized failures of bridge structures that occurred from 1981 to 1988. Altogether about 28 separate categories of details and 48 conditions of cracking are identified, as well as the critical design factor(s) contributing to

ASCE COMMITTEE POSITIONS AVAILABLE

ASCE National Headquarters announces openings in 1990 for Professional Division Committees, available to Zone I nominees, which includes the Philadelphia Section, as follows:

Engineering Management Division Executive Committee (EMDEX)

EMDEX seeks to increase Civil Engineers' awareness of, and expertise in, applying modern techniques in the effective utilization of personnel and other resources. Positions available under EMDEX are: *Committee on Engineering Management at the Organization Level (EMOL)*; *Committee on Engineering Management at the Project Level (EMPL)*; and *Engineering Management Activities Committee (EMAC)*. EMAC is the primarily administrative unit of EMDEX. Its major assignments include: preparation of programs for the Engineering Management Division (EMD) sessions at ASCE conferences and elsewhere; to develop programs for educational opportunities in engineering management for students and practicing engineers of ASCE; to administer awards in the Division; and to interface with Local Sections as a support unit for the EMD.

Government Engineers Division Executive Committee (GEDEX)

GEDEX stimulates and coordinates policies, programs and procedures to promote and enhance the professional development and recognition of Civil Engineers at all levels of government, particularly in the design and management of quality public works. The position available under GEDEX is the *Committee on Government Engineers Policy Issues (GEPI)*, in addition to appointment to GEDEX itself.

the cracking. Over 150 bridge sites are included. For many examples, results of field measurements, material and crack characteristics, and retrofit procedures used for restoration are also given, and conclusions are drawn. Many color photographs illustrate the details.

VOLUME II: FATIGUE OF BRIDGE STRUCTURES - A Commentary & Guide for Design, Evaluation & Investigation of Cracking

Volume II is written in three parts. Each part is fully illustrated, including many color photographs, and is outstandingly suitable either as a graduate-level textbook or a reference book on fatigue cracking. Topics covered are:

Part I: Introduction to Fatigue Cracking and Fatigue Damage in Steel Bridges. Part II: Procedures for Estimating Fatigue Damage in Existing Structures and Crack Propagation and Fracture, and Guidelines for Evaluating the Causes of Cracking.

Part III: Fatigue Crack Initiation and Propagation; Damage Laws; Cyclic Counting Rules; Fracture & Reliability Mechanics.

VOLUME III: EXECUTIVE SUMMARY:

Fatigue Cracking in Steel Bridge Structures.

Volume III summarizes through text, figures, and photographs (many of them color) the various categories of cracking in steel bridge components. The effects of details and defects, out-of-plane

Professional Practice Division Executive Committee (PRODEX)

This Division (PRODEX) develops and recommends policies and action programs related to the improvement of professional standards and economic conditions for Civil Engineering in all types of employment, including relationships of practicing Civil Engineers with their clients, the public and other professions. In addition to appointment to PRODEX itself, a position is available on the *Committee on Professional Registration (COPR)*. In promoting registration of Civil Engineers, COPR monitors trends and developments in registration policies and keeps the Society informed. Philadelphia Section nominations must be mailed to:

ASCE National Headquarters
Professional Affairs Department

345 East 47th Street, New York, NY 10017 before February 1, 1990. All appointments begin on August 1, 1990 except to PAC, which appointment begins in mid-October, 1990. All nominees should also consider serving as *Corresponding Members* on PAC Committees. Those individuals who are nominated will be informed of the results after the Professional Activities Committee meeting in July, 1990.

Descriptions of the positions available herein are bare outlines only. For full details and nomination data and forms, interested Philadelphia Section members are asked to contact President, Dr. Richard Weggel, Drexel University, Dept. of Civil and Architectural Engineering, 32nd and Chestnut Streets, Philadelphia, PA 19104, (215) 895-2355.

distortion, various types of constraints, fabrication procedures, plate girder and box girder designs all are covered. Finally, guidelines are provided for those investigating the causes of cracking.

For full particulars and ordering information, contact: ATLSS, 117 ATLSS Drive, Lehigh University, Bethlehem, PA 18015. (215) 758-3535.

Transportation & Urban Development Group *(Continued from Page 3)*

Transportation and Urban Development Technical Group Active Member Address Data

Name _____

Title _____

Organization _____

Address _____

Business Telephone No. _____

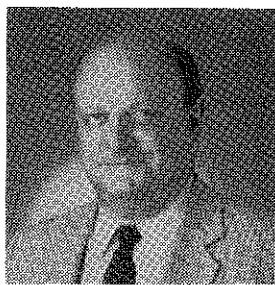
Home Telephone No. _____

(If you want included in D-Base)

Return to: William Van Wagenen, Jr., Hill International, Garden Plaza Building, P.O. Box 397, Willingboro, NJ 08046.

SECTION PROFILE

by Sid Robin, Editor



This article is a portrait of **J. Richard Weggel, Ph.D., P.E.**, President of the Philadelphia Section, ASCE, 1989-1990. It is abstracted from a resume twenty-two pages long, single-spaced. It is almost unconscionable for any man to prescribe to a poor editor the job of condensing such a mammoth biographical digest into a few hundred words in a publication such as THE NEWS. However, I asked for it... so here goes.

From the moment John Richard Weggel (the secret "J" is now public) was installed as President at the Section's Annual Dinner Dance last June 3rd, it became patently evident that this man was professional competence personified. How could he be otherwise – since he was appointed Head of the Department of Civil and Architectural Engineering at Drexel University in July, 1988? "Rich" – as he is known to all his close friends and associates – is a 1964 Drexel graduate, with a B.S. in Civil Engineering. He then attended and earned his M.S. (1966) and Ph.D. (1968) in Civil Engineering (Hydraulics) at the University of Illinois. Until 1971 he served on the U. of I. Civil Engineering faculty as an Assistant Professor of Civil Engineering, teaching undergraduate and graduate courses in hydraulics and hydrology, ground water hydraulics, water resources engineering and ocean engineering.

Rich's talents were recognized early. While still a student at Drexel, he conducted research sponsored by the national Science Foundation, on epoxy resins for structural connections; and he taught an undergraduate laboratory course in Strength of materials, and a course in Static Mechanics. However, his intense interest in hydraulics, hydrology and coastal engineering eventually prevailed as the primary influence on his career. In 1971, Dr. Weggel left the U. of I. faculty to join the staff of the U.S. Army Coastal Engineering Research Center (CERC), where he served in various capacities: Research Hydraulics Engineer; Special Assistant to the Commander and Director; and, finally as Chief, Coastal Structures and Evaluation Branch, Engineering Development Division, CERC, responsible for the \$600,000 research program of the Branch.

During his tenure at the CERC, Rich continued his service as consultant to various Corps of Engineers Districts and Divisions, on coastal engineering problems; and he held the rank of Professional Lecturer at the George Washington University, teaching courses in coastal and harbor engineering, sediment transport, coastal processes and structures.

In 1983, Dr. Weggel returned to the Drexel

University Civil Engineering faculty. In his present position as Professor and Head of the Department of Civil and Architectural Engineering, he teaches and conducts research in hydraulics, hydrology, water resources engineering, and coastal and port engineering.

Rich Weggel is a Registered Professional Engineer in Illinois, New Jersey and Pennsylvania. He has a prolific catalogue of special training courses at the graduate schools of various colleges and universities; U.S. military and civilian commissions and agencies; and private Institutes and Seminars - on a wide spectrum of subjects. The courses embrace those related to his principal interest in hydraulics and coastal engineering – to such diverse categories as: Project Health, Guide to Executive Fitness and Well-Being; Executive Leadership; Management Science, Research and Development; Calculation of Fluid Flow and Heat Transfer; and many others.

In addition to National ASCE activity in major Society functions – supplementing his long and influential participation in major offices, committees and assignments in the Philadelphia Section – Dr. Weggel holds memberships in numerous other Professional and Honorary Societies, including: the American Geophysical Union; Permanent International Association of Navigation Congresses (Second International Waves Commission United States Representative); Western Dredging Association; American Shore and Beach Preservation Association (Member, Board of Directors). He has been awarded Honorary Professional Society memberships in Chi Epsilon, Tau Beta Pi, Phi Kappa Phi, and Sigma Xi.

Dr. Weggel is the author or co-author of nearly fifty papers, which have been published in technical journals of ASCE and other professional organizations; chapters in engineering texts; magazines; International and National Conference Proceedings, published or edited at colleges and universities; Government Coastal Engineering bulletins and manuals; college engineering laboratory reports; etc. The papers cover subjects ranging from Ship Wave Design; Evaluation of Behavior of Shore Structures and Beach Behavior; and his abundant expertise and experience in all phases of coastal engineering technology and its complements.

Consulting Engineering activities in his specialties have been prolific. Assignments to Dr. Weggel have been commissioned by many U.S. Corps and Army Engineers Districts; U.S. Coast Guard; Federal Emergency management Agency; U.S. Department of Energy; Department of Justice, in expert legal testimony; Hydro Research Science, Inc., and other major engineering firms and consulting firms; coastal cities in the State of New Jersey; other States, Townships and Municipalities; universities. Many of the consultation studies reports have been published in important technical reference archives.

In his "spare time", Dr. Weggel still lectures – as an invited specialist – at Lehigh University, University of Illinois, University of Florida, University of Maryland, University of Delaware, Old Dominion University, The Marine Board, Na-

tional Academy of Sciences; and the U.S. Army, Coastal Engineering Research Board.

He also loves to solve cryptograms and crossword puzzles on the train commuting to and from work.

So there you have it, Philadelphia Section members! How privileged we are to have this outstanding individual as our President! Of course, this capsulated synopsis could not possibly do justice to his voluminous resume. But we tried.

One final observation: Dr. Weggel accepts with philosophical equanimity the guff frequently thrust at him by the harried editor of THE NEWS, for not getting requested copy to him in time for press processing.

PHILA. SECTION CO-SPONSORS ICBO ONE-DAY SEMINAR

"Overview and Perspective"

The International Conference of Building Officials, (ICBO) is offering a one-day Seminar focusing on the new 1988 Uniform Building Code (UBC) earthquake provisions. The Phila. Section, ASCE is co-sponsoring the event which is to be held in Philadelphia on **February 6, 1990**. The 1988 UBC contains the most significant changes to the seismic design provisions since the 1971 San Fernando earthquake influenced the 1973 UBC. The new earthquake regulations reflect the latest state of US seismic design practice, patterned after the document ATC 3-06, "Tentative Provisions for the Development of Seismic Regulations for Buildings" developed by the Applied Technology Council (ATC) and its successor, the BSSC NEHRP provisions. This Seminar provides an overview and perspective to the new and revised earthquake regulations, including discussion of some of the ramifications of the changes on building design and construction in areas of seismic risk. The discussed changes will be presented in conjunction with an illustrated guide to be given to Seminar participants. A "must" update for engineers, architects and structural plan reviewers.

Seminar Topics

- History and Background
- New Base Shear Formula
- New Seismic Zone Map
- New Definitions for Regular and Irregular Structures
- New Rules for Dynamic Analysis
- Special Design and Detailing in Areas of Seismic Risk for Masonry, Wood, Concrete and Steel.

For the Philadelphia location of the Seminar, full particulars and registration details, please contact the ICBO Education Dept., 5360 S. Workman Mill Rd., Whittier, CA 90601 - phone (213) 699-0544.

**Have You Mailed
Your 1990 Dues to
National ASCE?
(If not, please do so NOW!)**

ASCE DUES BILL AND TECHNICAL GROUP DETAILS

Section members will notice in the 1990 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

Moustafa A. Gouda

Lippincott Engineering Associates
1 Pavilion Place
Riverside, NJ 08075
(609) 461-1239

Younger Member Forum

Abul Syed-Muhammad, P.E.

A.G. Lichtenstein & Assoc., Inc.
One Oxford Valley Mall
Langhorne, PA 19047
(215) 752-2206

Construction

Fredric L. Plotnick, Chairman

Engineering & Property Mgt. Consultants
806 Hilton Lane
Elkins Park, PA 19117
(215) 885-3733

Structural

David A. VanOcker, Chairman

Christakis & Kachele, Inc.
6910 Ludlow Street
Upper Darby, PA 19082
(215) 352-7676

Transportation & Urban Development

William T. Thomsen, Chairman

Urban Engineers, Inc.
330 N. Third St.
Philadelphia, PA 19406
(215) 922-8080

Engineering Management

Chairman position available.

If interested, please contact **Moustafa Gouda**
(See "Liaison" above).

Geotechnical

Dr. Joseph P. Martin, Chairman

Drexel University
Civil Engineering Dept.
32nd & Chestnut Sts.
Philadelphia, PA 19104
(215) 895-2363

Water Resources & Environmental Engineering

Raymond A. Lees, Chairman

Westinghouse Environmental &
Geotechnical Services, Inc.
323 Norristown Rd., Suite 206
Ambler, PA 19002
(215) 542-9100

IMPORTANT!! 1989-1990 MEETING NOTICES

MARK YOUR CALENDAR for the dates of the remaining Philadelphia Section, ASCE monthly meetings and social functions, as follows:

ALL DINNER MEETINGS

Cocktails - 5:30 pm Dinner - 6:30 pm Meeting - 7:30 pm

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

Tuesday, March 13, 1990 - Dinner Meeting

Engineers' Club

Subject: **The Joint British-French-English Channel Tunnel**

Speaker: **Whinn Franks**, DeLeow Cather Co., Baltimore, MD
Widener University Night

Tuesday, April 10, 1990 - Dinner Meeting - Engineers' Club

Joint Meeting with Society of American Military Engineers (SAME)

Subject: **The Penn's Landing Development**

Speaker: To be announced

Saturday Evening, May 5, 1990

Annual Spring Dinner Dance - Colleen's, Park Towne Place,
Benj. Franklin Parkway, Philadelphia

WRIGHT SUBMITS SECTION'S ANNUAL REPORT

Philadelphia Section Secretary Robert M. Wright has submitted to ASCE National Headquarters the *Annual Report, Philadelphia Section, ASCE, Fiscal Year October 1, 1988 - September 30, 1989*

As required by the National Society By-Laws, the Annual Report of the Section 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 participation, encompassing the ASCE Student Chapters and Clubs in area colleges and universities; Section Prizes, Awards and Scholarships; and other subsidiary affiliations.

The Report conveys information helpful to the National ASCE Board of Direction, the Committee on Local Sections and District Councils, Headquarters staff and other Section - 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 Intersociety Council of Delaware Valley (ETSCO); Annual Engineers' Week Committee of Delaware Valley; Joint Meeting annually with the Society of American Military Engineers (SAME); the Philadelphia Urban Manpower Program (PUMP); Opportunities in Engineering for Minorities; Construction Career Day Conferences; and many others.

The Philadelphia Section extends its highest plaudits and appreciation to Secretary Wright for this excellent publication.

CALL FOR PAPERS

22nd Mid-Atlantic
Industrial Waste Conference
Drexel University, Philadelphia, PA
July 25-27, 1990

Paper Topics: Papers from are invited related to industrial solid waste and wastewater minimization, recycling, pretreatment, treatment and disposal; industrial air quality issue; remedial action, groundwater monitoring and treatment; regulatory compliance, liability and risk analysis; industrial site assessments; outdoor and underground storage tanks.

Deadline: **February 15, 1990** 500 word abstract, seven copies.

Contact: **Dr. Joseph P. Martin**, Dept. of Civil & Arch. Engineering, Drexel Univ., Phila., PA 19104 (215) 895-2363.

Address Corrections?

Dissatisfied with newsletter service? Upset because you are not receiving your copy? Then take action now! Call ASCE - National at 1-800-548-ASCE and ask for membership. They will change your address while you wait. This service is free of charge.

This will insure that the pre-printed address labels our mailing operatives receive from National to use for newsletter mailings are accurate and up-to-date. This will also relieve their burden of typing mailing labels every month for members who have not changed their addresses with ASCE National.

Seventeen timber bridges will be built by PennDOT this year to test a theory that old-fashioned wooden bridges may be more cost effective than modern steel structures, because they don't rust.