

the news



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PHILADELPHIA SECTION

AMERICAN SOCIETY OF CIVIL ENGINEERS

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

Electronic Message Hotline: (215) 934-3639 (24 hours a day)

Vol. 68-5

Our 82nd Year

March, 1996

MARCH JOINT DINNER MEETING

Philadelphia Section, American Society of Civil Engineers
Construction Management Association of America (CMAA)

THURSDAY, MARCH 14, 1996

WILLIAMSON'S • GSB Building • City Line Ave. • Philadelphia • (See Location Map Below)
Cocktails - 5:30 p.m. • Dinner - 6:30 p.m. • Meeting - 7:30 p.m.

SUBJECT: Environmental Issues at the PHL Airport Runway Project

SPEAKERS: William J. Marrazzo, President and CEO, Roy F. Weston, Inc. and
George F. Vitas, Principal-in-Charge, Aviation Services, Turner, Collie and Braden, Inc.

SPECIAL FEATURE: WIDENER UNIVERSITY NIGHT

The ASCE Student Chapter, Alumni and Faculty of the Civil Department of Widener University will be honored at this meeting. All Students, Faculty, and Alumni are cordially invited.

SPECIAL FEATURE: PRESENTATION OF LIFE MEMBERSHIP CERTIFICATES

RESERVATIONS MUST BE SUBMITTED BY FRIDAY, MARCH 8, 1996. Please send your check for the number of attendees @ \$25 per member or guest; \$13 per ASCE Student member payable to: Phila. Section, ASCE, P.O. Box 58186, Phila. PA 19102-8186; or call the Electronic Message Hotline: (215) 934-3639 (open 24 hours/day).

William J. Marrazzo received a B.S. in Chemical Engineering from the University of Delaware in 1971. Bill is well-known in the Greater Philadelphia Region, finishing 19 years of service with the City of Philadelphia as Water Commissioner and as Acting Managing Director. He joined Roy F. Weston in 1989 as Division Manager of Design and Applied Technology, and has advanced to his present position as President and Chief Executive Officer.

George F. Vitas has a B.S. in Civil Engineering from Worcester Poly in 1963 and a M.S. in Transportation Planning from Polytechnic University of NY in 1969. His experience includes employment with Howard, Needles, Tammen and Bergendoff as a Transportation Engineer, American Airlines in corporate real estate, airport planning and facilities and engineering. He has been with Turner, Collie, and Braden since 1987 with experience at numerous airports in the U.S. and Mexico.

The Runway 8-26 Project at the Philadelphia International Airport (PHL) is the development of a new 5,000 ft. runway designated to accommodate the airport's commuter aircraft traffic. This is

(Continued on Page 2)

TECHNICAL GROUP ACTIVITIES

Geotechnical and Environmental/ Water Resources Groups

(Combined Program for 1995-96)

March Meeting

DATE: Tuesday, March 26, 1996, 6:30 pm

LOCATION: Hill Conference Room, LeBow Engineering Bldg, 31st and Market Streets, Drexel University, Phila., PA

SUBJECT: "New Jersey Department of Transportation's First Permanent Soil Nailed Highway Retaining Wall"

SPEAKER: John J. Peirce, P.E., Geotechnical Engineer, The Conduit & Foundation Corporation

In slope stabilization projects success may best be ensured by a combination of soil reinforcement with other means of ground modification, such as providing drainage (dewatering) or chemical stabilization. Additional remedial measures may also include altering the geometry and removing or controlling external loading. Soil nailing may provide such a solution.

Soil nailing is designed to intersect potential failure planes and create a new structural entity with improved stability.

This presentation discusses the recent design and construction of New Jersey Department of Transportation's first permanent soil nailed highway retaining wall at future ramp "A" for Route 80 over the Garden State Parkway, in Elmwood Park, New Jersey.

For further information on this or future meetings, please contact Timothy Laumakis, Associate Chairman, Geotechnical Group, at CH2M Hill at (215) 563-4220.

Construction and Engineering Management Groups

Joint Luncheon Meeting

DATE: Wednesday, March 27, 1996, 12:00 Noon

LOCATION: Municipal Services Building, 16th Floor, Room E, Philadelphia, PA

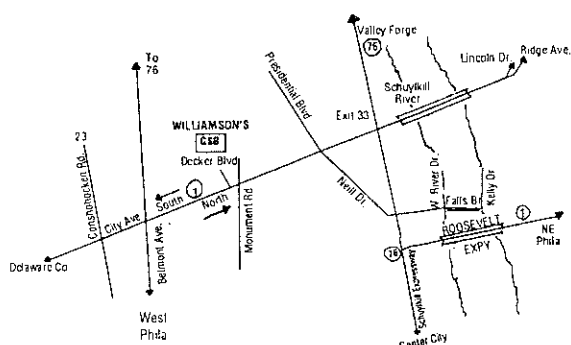
SUBJECT: Metrickation: Where We Are Now - What To Look Forward To

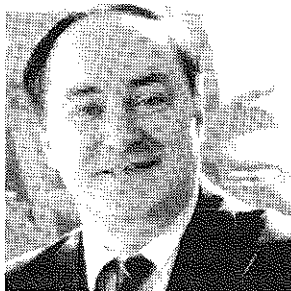
SPEAKER: Michael E. Radbill, P.E.

COST: \$10.00 per plate

(Continued on Page 2)

LOCATION MAP for Williamson's GSB Building, City Line Ave., Phila.





This is the correct one! Ed.

THE PRESIDENT'S MESSAGE

To date, my messages have been directed toward the Philadelphia Section's local activities and seeking guidance and direction from the membership on the Humphrey Fund. I've been extremely proud of the Section's turnouts, the energy shown by the members and our Officers and Board. It is quite an honor to serve such a vibrant, goal-oriented Section.

Our membership should also be aware that ASCE's National organization is in the midst of updating its Strategic Plan and is seeking input to this program from its entire membership. The Plan includes a relatively succinct (18 pages... well, I said it was relative... and for National, that's pretty good) list of strategic objectives and strategies for fiscal year 1997. These are meant to support the eight goals summarized below:

1. Becoming the recognized authority and advocate for the responsible development of new infrastructure, and the enhancement and more effective maintenance of existing infrastructure.
2. Preparing the Civil Engineering profession to meet the challenge of internationalization through global integration of information, technologies, and business practices.
3. Promoting leadership by the Civil Engineering profession in public policy issues.
4. Enhancing recognition of Civil Engineering as a highly respected profession and a most desirable and rewarding career.
5. Advancing technical excellence through the development and transfer of information and standards related to Civil Engineering.
6. Identify and prioritize present and emerging research needs.
7. Re-define the educational requirements for Civil Engineers.
8. Reorganizing to enhance services to all members of the team involved in conceiving, planning, designing, building and maintaining the constructed environment.

Past President **Bob Wright** has been designated as our Section's lead for interaction with the strategic planning process. If you would like to obtain the listing of strategic objectives and strategies, please let Bob or me know, or call National directly (1-800-548-ASCE). We'd also be happy to see any comments or concerns you may have get back to the ASCE Committee on Society Objectives, Programs and Organization.

By the way, how many of you noticed the younger, thinner, President pictured in last month's THE NEWS? But that hairstyle! How did I do it? A lot of exercise, a rigorous diet, and an absent-minded newsletter printer. Hope I'm back to normal with this month's issue!

Sincerely, William G. Richards, P.E.
President, Phila. Section, ASCE

March Dinner Meeting

(Continued from Page 1)

particularly important at PHL as 45 percent of operations are performed by these aircraft. Being smaller and slower, these craft require wide separation from larger jets and considerably slow down operations.

The runway location east of the existing runways creates several challenges with environmental concerns prominent among them. The runway will be located above the Enterprise Avenue Landfill, one of the first EPA Superfund sites to be closed in the country. The environmental mitigation includes dewatering the landfill site, jet grouting to thicken some of the thinner areas of the clay naturally underlying the site, and covering the entire 56 acres with a geosynthetic cap. In addition, a series of 15 monitoring wells has been placed around the landfill.

Technical Group Activities

(Continued from Page 1)

Mr. Michael Radbill is a Senior Consultant with Trauner Consulting Services, Inc. with expertise in construction management, claims, specification writing and analysis. He is a member of ASCE, serving on the committee on Metrication, and is a member of the Society of American Military Engineers (SAME), the U.S. Metric As-

sociation and American National Metric Council.

A buffet lunch will be served starting at 12:00 Noon and Mr. Radbill's representation will begin at 12:30 p.m. Reservations are required no later than **Wednesday, March 13, 1996**. Contact **Dennis MacBride** at (215) 580-7084 or **Chris Rood** at (215) 580-7586.

Transportation Group

March Meeting

DATE: Thursday, March 21, 1996, 7:00 pm

LOCATION: University of Penna., Moore Bldg., Room 216, 33rd & Walnut Sts., Phila., PA. Use 33rd St. entrance (first room at top of stairs).

SUBJECT: "Creating the Transit-Friendly Environment"

SPEAKERS: Panel discussion and video with speakers from Delaware Association of Railroad Passengers, Philadelphia Trolley Coalition, Delaware Valley Regional Planning Commission.

This meeting will address the creation of a transit-friendly environment. First, a video will emphasize the relationship between transit and land-use, and describe several methods of making transit an attractive alternative to the automobile. The video identifies how neighborhoods can be developed to encourage use of public transportation, bicycles and walking. The main theme of the video is that our dependence on the automobile is

a direct result of how we design our cities.

Following the video, representatives from the Delaware Valley Association of Railroad Passengers, Philadelphia Trolley Coalition, and the Delaware Valley Regional Planning Commission will speak on the topic.

After the speakers, the audience will be encouraged to participate in a panel discussion.

NOTE: Light refreshments will be served before the meeting, but there will be no dinner. No reservations are required. For further information, contact **William J. Mulloy**, Assistant Chairman, Transportation Group, at (215) 656-6583.

PHILA. SECTION, ASCE OFFICERS 1995-1996

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VICE PRESIDENT

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MARCH 14, 1996**



LEGISLATIVE CORNER

by Mark S. McKain, Esq.
of Powell, Trachtman, Logan, Carrle
& Bowman, P.C.

The Architects Licensure Law Revisited

Several articles ago, I discussed House Bill No. 1953, which was intended to introduce Amendments to the existing Architects Licensure Law. As drafted, the Amendments would change the existing licensure law by (1) exempting the design of "one-family and two-family residential dwellings" from the practice of architecture, and (2) permitting a "construction contractor or engineer" to practice architecture so long as they employ or subcontract with a licensed architect to perform the design work. While the proposed changes may appear to have little impact on the engineering profession, they represent significant impact to the practice of architecture in Pennsylvania.

Organizations sponsored by the general contractors were the motivating force behind the bill being introduced to the Legislature. With that in mind, the reason for suggesting that the design of one and two-family residential dwellings need not be accomplished by an architect becomes clear. By doing away with the architect's traditional role in the design and construction process, the developer/contractor arguably reduces his cost to build and ultimately sell residential homes by either retaining an architect to prepare "canned" plans, or hiring an architect (or engineer) to prepare the design plans.

The significance of the Amendment is that it calls for the architect to relinquish autonomy over the design by not having a direct relationship with the owner to provide the design services.

At this juncture, it appears that Pennsylvania architects are not ready to embrace the proposed legislation. As it now stands, the bill is presently in Committee and will remain there indefinitely if the above issues cannot be resolved.

While that seems to be the logical response with respect to stopping efforts to erode the scope of an architect's "traditional" role in preparing design plans and being the owner's representative in the construction process, it will not resolve the controversy that surrounds design/build relationships in Pennsylvania. The Architects Licensure Board's present prohibition against architects from entering into design/build relationships, except under limited circumstances, is not the accepted practice in many other States and is contrary to how the Federal Government is currently soliciting services from contractors and design professionals. It remains to be seen how Pennsylvania architects will choose to deal with the situation.

The topic of this article, as well as past articles, is more complex than appears from the limited information presented. If you have any questions about any of the issues discussed and want more information, please feel free to contact me at 367 South Gulph Rd., King of Prussia, PA 19406, (610) 354-9700, fax (610) 354-9760.

YOUNGER MEMBER FORUM NEWS

by Christopher Menna, Forum Editor

The objectives of YMF are: 1) to provide networking opportunities; 2) to interact with schools and the general public to promote Civil Engineering, and 3) to enhance career development.

Young engineers or college students who would like to become part of the YMF please contact **Dave Hanly**, Frederick R. Harris at (215) 735-0832.

Upcoming Events

The Empowerment Zone is looking for donations of any office equipment or items that science teachers can use for in-class demonstrations. Examples are computers, printers, office furniture, surveying equipment, gradation sieves, etc. Please call **Yael Heller**, Black & Veatch Science at (215) 928-2211 if you have anything from your office or home to donate.

The YMF will be helping the Empowerment Zone Team to install software onto newly donated computers on a Saturday in March at 1600 Arch Street in Philadelphia. The exact date is yet to be announced. If you are interested, please contact **Yael Heller**. The Community Affairs Committee has arranged for a Habitat for Humanity work day at the Norristown Site on Saturday, April 27th. Interested members should contact **Mary Hamric**, Gannett Fleming at (610) 337-1550.

Past Accomplishments

Eight YMF members recently participated in one of the CoreStates Spectrum II Tours, sponsored by the Philadelphia Section Construction Group. All found the experience to be very informative and interesting.

Three of our members participated in the Engineers Week *First Annual Philadelphia Regional Simcity Competition* on January 27th. **Dave Hanly**, Frederic R. Harris and **Christopher Menna**, Kaufman Construction, worked on the volunteer staff, while **Mitch Sklar**, STV/Sanders and Thomas served as a mentor for the James Dobson School of Philadelphia.

The YMF has a very successful meeting on February 15, 1996. The Officers reviewed past progress and laid out the agenda for the year. Special thanks goes to Mr. **Ed Peers, P.E.**, Frederic R. Harris, for being our guest speaker at the meeting. Mr. Peers provided his view of the industry, shared some of his past experiences, and gave us tips on how to get the most out of one's career.

For those interested, the YMF is in search of more guest speakers. Contact **Paul Fry**, Nth Consultants at (610) 524-2300 for more information.

February 17, 1996 proved to be a very active day. About fifteen members participated in Brian McTiernan's Annual Ski Trip at the Camelback Ski Resort in the Poconos. In addition, some other YMF members set up an information table at The Gallery for Engineers Week.

On February 24, 1996 several YMF members participated in The Discovery Program at the Ferguson Elementary School in North Philadelphia. Members served as coaches and encouraged the children there to participate in all of the fun learning.

NOMINATIONS FOR OFFICE PHILA. SECTION, ASCE 1996-97

In accordance with the Constitution and By-laws of the Section, the Nominating Committee, appointed by President Richards and chaired by Past President Bill Thomsen, has submitted the following slate of nominees for elective office for the 1996-97 administrative year:

President – Alvin Zion (moves from current President-Elect position automatically)

President-Elect – Darin Gatti (one year as President-Elect, followed by one year as President)

Vice President – Sandra May

Secretary – Gregory Yates

Membership Secretary – Sean Markey

Directors – Thomas Branigan (two years)

Allen Cadden (two years)

Brian Stover (two years)

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

Treasurer – Jian Jin

Directors – Dennis MacBride, Richard Markwith, Faruq Siddiqui

Past Presidents to serve on the Board of Directors are:

Robert Wright – one year

William Thomsen – two years

William Richards – three years

The above slate was announced at the February 20, 1996 Section meeting and will be announced again at the March 14, 1996 Section meeting. If no additional nominations are received by the Section Secretary by March 29, 1996 the above slate shall be declared as elected at that time. The Officers will be officially installed at the Section's Annual Dinner Dance on Friday, May 3 at Sugarloaf Conference Center.

The Section's appreciation is extended to the Nominating Committee, which consisted of Bill Thomsen, Al Zion, Sid Robin and Bob Wright.

Member Spotlight

The purpose of the member spotlight is to introduce a fellow YMF member to the Delaware Valley Engineering Community.

Paul Fry, E.I.T., is a Senior Staff Engineer employed by Nth Consultants, Ltd. located in Exton, PA. In this position, Paul is responsible for geotechnical services provided by Nth. Paul has temporarily returned from Atlanta, GA, where he spent two months as the Resident Engineer for the difficult site development of the Keywell Corporation's Specialty Metals Processing Facility. In addition, Paul plans to take his Professional Engineer's Examination in April. Paul Fry, as the current Vice President of the YMF, was another one of the key players who helped rebuild our organization into the viable, dynamic Phila. Section, ASCE affiliate it is today.

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FEBRUARY JOINT DINNER MEETING

February 20, 1996

Harbor League Club, Camden, NJ

FEMA Disaster Relief

An audience of nearly 200 members and guests of participating Societies, and Students, Alumni and Faculty of Temple University Department of Civil and Environmental Engineering, enjoyed an outstanding in-depth presentation of the catastrophic Oklahoma City Federal Building Bombing on April 19, 1995. The Joint Dinner Meeting included the Philadelphia Section, ASCE; the South Jersey Branch, New Jersey Section, ASCE; The South Jersey Section, American Society of Highway Engineers (ASHE); and the Professional Engineers Society of Southern New Jersey. The meeting was held at the beautiful Harbor League Club, Camden, NJ on February 20, 1996. The main subject of discussion was The Federal Emergency Management Agency (FEMA) Disaster Relief, with emphasis on the Oklahoma City bombing last Spring. Principal speaker was **J. Kelley Aasen**, Technology Transfer Engineer, U.S. Army Corps of Engineers, Earthquake Preparedness Center of Expertise. The gracious and competent hostess presiding was **Colleen W. Richwall**, President of the South Jersey Branch, New Jersey Section, ASCE. She was assisted by Phila. Section President **Bill Richards** and the principals of the other participating Societies, whom Colleen introduced to the gathering. The meeting was honored, also, by the presence of **Moustafa Gouda**, current President of the New Jersey Section, ASCE (and Past President (1991-1992) of the Phila. Section, ASCE). Ms. Richwall and Mr. Richards made announcements of business and events of interest to their respective Societies.

Temple University Night

Continuing the Phila. Section, ASCE program of recognizing the Student Chapters and Civil Engineering Departments of area colleges and universities, the meeting honored the ASCE Student Chapter, alumni, faculty, and the Civil and Environmental Engineering Department of Temple University. The school was represented by a large contingent at the meeting.

Temple's ASCE Student Chapter Advisor, **Dr. Bechara Abboud, P.E.**, Professor of Civil and Environmental Engineering, thanked his hosts for their courtesies, and introduced Alumni and Faculty members present. He reviewed past accomplishments of the Department, and outlined current and proposed future curricula and technology education programs. He explained the evolution and inclusion within the Civil Engineering Department of the ever-growing specialty of Environmental Engineering. Temple's new Masters Degree program is thriving, and is enrolling more and more candidates. Dr. Abboud looks forward with optimism to the continuing progress and widening scope of learning facilities in the Department of Civil and Environmental Engineering at Temple.

Student Chapter President Speaks

Temple's ASCE Student Chapter President **Megan A. Gebhardt** thanked the Phila. Section for its invitation and honor, and introduced her

fellow Officers: Vice President, **Joseph McCammitt**; Secretary, **Therese Bosnick**; Treasurer, **Timothy Lavin**. Ms. Gebhardt described the broadening sphere of events and activities in the Chapter's busy agenda. The Group is also industriously engaged in constructing and preparing entries for the reinforced Concrete Canoe Race Competition scheduled for this coming Spring.

Mr. Aasen on the Oklahoma City Disaster

Widely experienced in emergency, rescue, damage assessment and salvage operations after major disasters, such as the San Francisco Earthquake, cyclones, building structural collapses, and the like, **J. Kelley Aasen**, in his position as Technology Transfer Engineer, U.S. Army Corps of Engineers, Earthquake Preparedness Center of Expertise, (EQPCE), with responsibility of developing and integrating state-of-the-art technology for systems or devices in support of the Corps' disaster missions, headed a team in Oklahoma City to assist in the bombing disaster operations following the April 19, 1995 Federal Building catastrophe.

Mr. Aasen's presentation consisted of slides accompanied by his commentary. At the outset, he illustrated the general layout of the Federal Building complex, where the bomb was set off (it was a 4,000 lb. weapon, the equivalent of 400 lbs. of TNT, generating a 3,000 psi explosion. He showed and described the enormous structural-element damage on the outside and inside of the Federal Building, and the surface damage to the many adjacent buildings within the destructive area radius of the force of the bomb.

Tribute to FEMA

Mr. Aasen paid respectful tribute to FEMA, which together with the Corps' contingent and the many other organizations involved in the mission, worked on three-shift twenty-four hour rescue, structural repair and shoring operations for the weeks following the nightmarish event. The FEMA and Corps of Engineers teams faced constant dangers of collapse of damaged structure, not the least of which was devastatingly strong winds prevalent in the area, which could pose imminent danger to support columns and beam-and-slab elements which remained precariously standing or hanging after the blast, with ever-present danger of collapse.

The slides and Mr. Aasen's commentary vividly illustrated the extremely complex shoring operations performed by the FEMA engineers and workmen, to support six to nine stories precariously standing structure.

Ingenuity of Rescue Operations

The excellent slides showed the many ingenious devices employed for detecting locations and signals of survivors and victims entrapped in the tons of debris and rubble of the collapsed structure. One particularly noteworthy device was the use of highly-specialized trained dogs, who through extraordinary senses of smell could detect the presence of surviving or non-surviving vic-

tims. The dogs were of such great sensitivity that live individuals from the rescue teams were planted in relatively safe locations so that the dogs could discover them and not be demoralized or discouraged if they failed to produce discoveries of actual victims after long periods of unsuccessful searches.

Of the 800 structures within the one-mile radius of major structural damage caused by the bomb, informed Mr. Aasen, about 20 had to be demolished. Eventually, of course, the Federal Building itself was demolished, and Mr. Aasen showed those slides.

Tribute to the Participants

In addition to the high praise which Mr. Aasen extended to FEMA and the numerous other organizations involved in the repair and rescue mission, he paid particular tribute to the Oklahoma City Public Works and Administrative Departments, which supervised and established the direction of all the operations of the participating groups.

An almost incredible aspect of the entire operation – and one which was clearly depicted by Mr. Aasen's slides, was that rescue and recovery operations were continuous in the face of constant imminent danger of structural collapse of shoring, debris removal, and structural reinforcement operations in the areas of rescue procedures. The inestimable risks of these activities and interior demolition methods employed to find survivors were vividly demonstrated by the excellent slides and Mr. Aasen's commentary.

In conclusion, Mr. Aasen re-emphasized the splendid interrelated coordination and cooperation among the Oklahoma City officials, especially the City Fire and Police Departments; the numerous public and independent task forces, companies and volunteer groups; the FBI and Red Cross – within and outside of Oklahoma City jurisdiction.

On behalf of their representative Societies, Presidents Colleen Richwall and Bill Richards presented token gifts of appreciation to Mr. Aasen for his outstanding demonstration and talk.

SECTION SCHOLARSHIP FUND

Applications are now being considered for the 1996 Phila. Section ASCE Scholarship Awards. Two scholarships, each worth \$2,000, will be awarded to aspiring civil engineers who attend one of the six colleges within the Section's jurisdiction (Drexel, Uof P, Swarthmore, Temple, Villanova and Widener).

A candidate must be an active member of the ASCE Student Chapter at his/her particular college. He/she must be a matriculant in a full-time civil engineering program and must have completed at least two full years of the program to be considered. (Candidates may submit applications during their second year.)

Details are available from the Faculty Advisor of the ASCE Student Chapter at each involved college.

The two scholarship recipients will be cited at the Section's Annual Spring Social/Dinner Dance and Awards Night (**Friday, May 3, 1996**) and will receive two complimentary tickets to the Social.

YMF SPONSORS SEXUAL HARASSMENT SEMINAR

[Editor's Note: The following important article was prepared by **Yael B. Heller**, Chairperson of the Professional Development Committee of the Section's Younger Member Forum.]

The Phila. Section, ASCE, Younger Member's Forum is pleased to announce the Seminar: "Identification and Prevention of Sexual Harassment in the Workplace."

PURPOSE: To give participants information they can use to foster a professional work environment that will attract and retain the best Civil Engineers regardless of gender.

DATE: Tuesday, April 23, 1996

TIME: 8:00 am – 8:45 am Registration and Continental Breakfast; 9:00 am – 11:00 am Training Session

LOCATION: Drexel University, Hill Conference Room, LeBow Center, 31st and Market Sts., Phila., PA

REGISTRATION FEE: \$50 for registration received by April 15, \$60 thereafter; includes all course materials and continental breakfast

The objectives of the Seminar are:

- Define sexual harassment and describe the extent of the problem
- Describe the impact of sexual harassment on its victims
- Learn how to identify and respond to incidents of sexual harassment
- Explain what to do if victimized by sexual harassment
- Encourage a bias-free work environment

The Seminar will be given by **Ginger Barksdale** of the Women's Alliance for Job Equity (WAJE) and **Joe Smith** of OPTIONS. WAJE which provides services to public and private organizations on the prevention of sexual harassment in the work environment. It responds to hundreds of sexual harassment calls each year through an employment hotline. OPTIONS is a human resource and Career Consulting Service that provides training and counseling in employee effectiveness, career management training, developing and managing a diverse workforce, sexual harassment, and many other work related issues.

To register, please mail your name, title, company, address, phone number, fax number, and a check made payable to Phila. Section, ASCE (\$50 before April 15, \$60 thereafter), to **David Hanly**, Frederic R. Harris, Inc., Suite 720, 260 S. Broad St., Phila., PA 19102 or call (215) 735-0832.

1996 SPRING GOLF OUTING

The second annual ASCE – Philadelphia Section Golf Outing will be held at the Westover Inn & Golf Club, Jeffersonville, PA (just outside Norristown) on **Friday, May 17, 1996**. The cost will be \$60.00 per person and includes greens fee, cart and dinner afterwards. People are welcome to attend either the golf outing alone or dinner alone. The cost for just golf is \$35 and the cost for only dinner is \$25. There will be prizes awarded at the dinner for finishers in various categories.

If you are interested in participating please

GREG YATES SUBMITS SECTION'S ANNUAL REPORT

Philadelphia Section, ASCE, Secretary **Greg Yates** has submitted to National Headquarters the *Annual Report, Philadelphia Section, ASCE, Fiscal Year October 1, 1994 to September 30, 1995*.

As required by the national Society By-Laws, the Annual Report reviews 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 and Committees; Publications, Younger Member Forums, 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 Section – in evaluating Phila. Section affairs.

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 Public Works Association (APWA), the American Society of Highway Engineers (ASHE), the South Jersey Branch of the New Jersey Section, ASCE; and the Philadelphia Post, Society of Military Engineers (SAME). It conducts Continuing Education Seminars; membership drives, especially among students upon graduation; it honors its Life Members at a special annual monthly meeting ceremony; sponsors the Phila. Urban Manpower Program (PUMP), which provides training, financial assistance and technical help to disadvantaged youth interested in engineering careers.

The Phila. Section, ASCE is grateful to **Greg Yates** for the exemplary job he has been performing on behalf of the Section, not only as Secretary, but in his innumerable other assignments. This Annual Report reflects his dedication and thoroughness in completing a task. Our eternal praise and thanks are extended to him.

call **Frederic R. Harris** at (215) 735-0832 and ask for **Greg Yates** by **April 21, 1995**. If we don't get the required number for a shotgun start, tee times will be assigned on a first come, first served basis.

We are also looking for companies to sponsor holes as a means of getting their names in front of their clients. The cost for sponsoring holes will be \$50 and sponsorship of holes can be arranged by contacting **Greg** at (215) 735-0832 as well.

We are hoping for a fantastic day in May. Let's all make this second ASCE Golf Outing a bigger hit and attend! This will be a warm up for those warm summer days ahead. Directions will be FAXED upon reserving your spot.

PENNONI HONORED BY ENGINEERS' CLUB

On January 24, 1996, a Testimonial Dinner was held at the Philadelphia Racquet Club, at which the Engineers' Club of Philadelphia presented its prestigious George Washington Medal to **C.R. "Chuck" Pennoni**, the Phila. Section, ASCE distinguished Past President (1978-1979), and National ASCE Past President (1991-1992); Past Delaware Valley Engineer of the Year; a Trustee of United Engineering Trustees, Inc., and a Director of the Accreditation Board for Engineering and Technology (ABET). He is a Trustee of Drexel University and served as its interim president and CEO (1994-1995).

The Dinner was attended by more than 100 of Chuck's friends, associates, colleagues, family and clients. The criterion for selection of the George Washington Medalist is outstanding contribution to technological progress by a member of engineering management.

Chuck has authored 36 papers on subjects of engineering, planning, ethics and professional development. He is a past president of The Engineers' Club of Philadelphia.

In his acceptance remarks, Chuck spoke of the globalization of Civil Engineering services and potential changes in the operational structure of colleges and universities — a lot of "food for thought."

The Phila. Section is proud to witness yet another pre-eminent addition to the voluminous list of honors bestowed upon one of its most favored sons. Our heartfelt congratulations, Chuck!

FEMA'S US&R TEAM NEEDS VOLUNTEER ENGINEERS

It's a sure bet that most of you have already heard of the Urban Search & Rescue Teams (US&R) established by the Federal Emergency Management Agency (FEMA). Pennsylvania Task Force 1 (PA TF-1) was organized in 1992 and after some growing pains, is now on the verge of being qualified by FEMA for deployment on urban search and rescue missions. These missions may be anywhere in the US. The Pennsylvania task force is administered under the Pennsylvania Emergency Management Agency (PEMA) in Harrisburg, PA. At the present time, PA TF-1 is well staffed. However, there is a need for a few more volunteer Structural Engineers to fill the role of Structures Specialist for PA TF-1.

The Structures Specialist should have knowledge of various types of building construction, have some experience in structural analysis and design and must be a registered professional engineer. Knowledge of construction techniques for wood, masonry, reinforced concrete, structural steel and masonry both reinforced and unreinforced is required. Knowledge of the behavior of these structures under extreme loading conditions is also required. Individuals must be physically fit, capable of moderate lifting and climbing, and be able to take off two weeks from

(Continued on page 6)

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IMPORTANT! 1995-1996 REMAINING MEETING NOTICES

MARK YOUR CALENDAR for the dates of the Philadelphia Section, ASCE monthly meetings and social functions, as follows: (Check each upcoming edition of THE NEWS for additional details, possible date and topic changes.) THIS IS A TENTATIVE LIST. NOTE CHANGES AND ADDITIONS FROM LIST IN OCTOBER, 1995 ISSUE.

ALL DINNER MEETINGS (Except as noted)

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

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

Wednesday, April 10, 1996 - Dinner Meeting. Joint Meeting with SAME. Harbor League Club, "DOD A/E Contracting" sponsored by S.A.M.E. University of Pennsylvania Night.

Friday, May 3, 1996 - Annual Spring Dinner Dance, Sugarloaf Conference Center
(NOTE: Change in date from previously printed.)

Friday, May 17, 1996 - Golf Outing. Westover Country Club

US&R Needs Volunteers

(Continued from Page 5)

their jobs on short (6 hours) notice.

If you are interested in becoming a Structures Specialist for PA TF-1, please contact **Walt Sawruk** at (610) 777-5663 or (610) 796-7944 or by fax at (610) 796-7945. He will try to answer any questions you may have and put you in touch with task force leadership.

William G. Richards, P.E.
Vice President



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THINK SPRING! THE ANNUAL DINNER DANCE • FRIDAY, MAY 3rd!!
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