

the news



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AMERICAN SOCIETY OF CIVIL ENGINEERS

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Vol. 69-2

Our 83rd Year

November-December, 1996

NOVEMBER JOINT DINNER MEETING

Philadelphia Section, American Society of Civil Engineers
Delaware Valley Chapter, American Public Works Association (APWA)

THURSDAY, NOVEMBER 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: The Philadelphia Streetscape Program

SPEAKER: Joseph R. Syrnick, P.E., Chief Engineer & Surveyor, Bureau of Surveys & Design, Phila. Dept of Streets (Past President, Phila. Section, ASCE)

SPECIAL FEATURE: VILLANOVA UNIVERSITY NIGHT

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

RESERVATIONS MUST BE SUBMITTED BY FRIDAY, NOVEMBER 8, 1996. Please send your check for the number of attendees @ \$25 per member or guest; \$13 ASCE Student members, payable to the Phila. Section, ASCE, P.O. Box 58186, Phila. PA 19102-8186; or call the Electronic Message Center: **(215) 934-3639** (open 24 hours/day). See Page 2 for November Meeting Details.

DECEMBER FIELD TOUR

Philadelphia Section, American Society of Civil Engineers

TUESDAY, DECEMBER 10, 1996

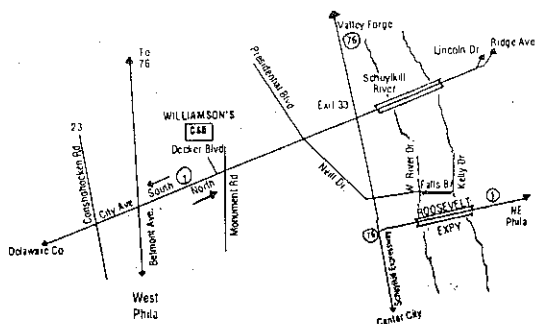
TOUR OF CONSTRUCTION SITE AT PHILADELPHIA INTERNATIONAL AIRPORT
Terminals B and C Improvement Project

Sponsored by the City of Philadelphia Division of Aviation and Turner Construction Company

Tours to be conducted at 11:00 AM and 1:30 PM

Box Lunch to be provided for all attendees

See Page 4 for the December Field Tour Details



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

TECHNICAL GROUP ACTIVITIES

Engineering Management Group

January Luncheon Meeting

DATE: Wednesday, January 22, 1997

LOCATION: Municipal Services Building, 16th Floor (room to be determined), Philadelphia, PA

SUBJECT: Quality in the Constructed Project
SPEAKER: Charles Halboth, O'Brien-Kreitzberg, Inc.

TIME: 12:00 Noon - Luncheon Price \$10.00; students half price

A buffet lunch will be served starting at 12:00 noon and Mr. Halboth's presentation will begin at 12:30 PM. For reservations, contact **Dennis MacBride**, Chairman, at **(215) 580-7084** no later than **Wednesday, January 20, 1997**.

Environmental-Geotechnical Groups

(Combined Program for 1996-1997)

Upcoming Meetings

LOCATION: All meetings at Hill Conference Room, Second Floor, LeBow Building, 31st & Market Sts., Drexel University, Philadelphia, PA

DATE: Tuesday, Nov. 19, 1996, 7:00 PM

SPEAKERS: Bill Huber & Rick Sands, Dames & Moore, Inc.

SUBJECT: Use of Geographical Information Systems (GIS) in Environmental & Geotechnical Projects

DATE: Tuesday, Dec. 17, 1996, 7:00 PM

SPEAKER: Mark Neilson, Environ, Inc.

SUBJECT: Use of Risk Analysis Environmental Remediation Projects

DATE: Tuesday, January 21, 1997, 7:00 PM

SPEAKER: Chris Lawrence, Ch2M-Hill, Inc.

SUBJECT: Preloading to Improve Organic Soil Building Sites

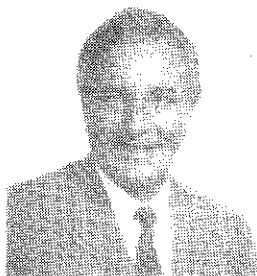
Watch THE NEWS for 1997 meeting details.

Structural Group

Upcoming Meetings

The Phila. Section, ASCE, Structural Group is finalizing plans for three programs to be presented after the first of the year. The meeting topics will be: "Corrosion Protection Admixtures," "Seismic Retrofit Design," and "Innovative Underpinning Design."

(Continued on Page 2)



THE PRESIDENT'S MESSAGE

Our monthly meetings got off to a great start with the well attended presentation by Drexel University President Papadakis. He gave us insight into the progress Drexel has made in bolstering its student population and we all could see the energy and creativity that Dr. Papadakis has brought to the University. Many of those present were Drexel graduates who seem to make up a large portion of our Section's membership. While Drexel is an outstanding university, being a Penn State grad, I am looking forward to having more representation of other universities at future meetings.

Last year's Civil Engineer of the Year **Joe Syrnick** will be the speaker in November at the Joint Meeting with the American Public Works Association (APWA). In addition to be another one of the many Drexel graduates, Joe is a Past Section President (1980-1981) and he is very active with both ASCE and APWA. His presentation will be about the recently completed Avenue of the Arts project and other Phila. Streetscape Programs (See details of the November meeting below). The December Tour of the Airport Terminal Consolidation Project will give us a chance to see what's involved in the construction of both the public spaces we are all familiar with and the behind the scenes airline baggage handling facilities. The City's Division of Aviation and the project's CM, Turner Construction Company have graciously agreed to conduct the tour and provide a box lunch for all those attending. Space will be limited for both the November dinner meeting and the December tour, so make your reservations early.

This issue of THE NEWS also contains several announcements about activities planned by our Technical Groups and Younger Member Forum. Please try to fit some of these interesting schedules into your schedule.

Last month's issue of THE NEWS contained the results of the "Salary and Benefits Survey" which our Section has been conducting every two to three years since the early 80's. A great deal of credit has to go to Dennis MacBride and Sandra May for re-designing the questionnaire, and tabulating and analyzing the responses. The results give us a great deal of information about salaries and working conditions that I hope many of you will find useful. The survey results could be made even more valid if we had more participation from our members. In both the 1994 and 1996 surveys the responses were received from approximately 12% of those receiving the questionnaires in THE NEWS. While the next survey is a year and a half away, I hope each of our members will keep in mind the benefits of responding.

The tabulation indicates that 93% of our members are Caucasian and 94% are male. This was surprising to me since I thought we had made more progress in getting diversity in our ranks. A check of the 1962 Penn State Yearbook found that out of 68 Civil Engineering graduates, there was only one minority and none were females. Based on that as a comparison, there has been some progress, and certainly our Section has made efforts in this direction through its support of PRIME, our sponsoring an inner city mural this year, and other programs that encourage minorities and females to enter the field of Civil Engineering. I would like to see our Section initiate additional programs to help achieve this objective, and I encourage anyone with ideas and a willingness to volunteer some time to contact me directly.

Sincerely,

Alvin Zion, P.E., President, Philadelphia Section, ASCE

About the November 14th Meeting

The City of Philadelphia, acting through its Department of Streets, has embarked on an extensive Streetscape improvement project intended to promote pedestrian activity downtown. Completed projects include East Market Street; Convention Center Streets; Avenue of the Arts (South Broad Street); Historic East Market Street; and South Street Pedestrian Bridge. On-going and upcoming projects include Chestnut Street; the Chestnut-Market Ramps to Penn's Landing; and Logan Square.

The City's Streetscape program is keyed to the City's mission to make Philadelphia a more hospitable and user friendly destination. The program is intended for visitors and residents alike, but is an important element in the convention/tourist initiative which commenced with the opening of the PA Convention Center.

Joseph R. Syrnick is this year's recipient of the Section's highest honor, the Philadelphia Civil Engineer of the Year. Joe is the Chief Engineer and Surveyor for the Philadelphia Department of

Streets, a position he has held for the past ten years. In this capacity he directs all transportation planning and design efforts, bridge and structural design and construction, land surveying and road records, and related activities for the Department. Under his direction, the Department has implemented significant projects such as those currently underway on South Broad Street and Market Street, and completed projects on Market Street, the Convention Center-Streets, West River Drive and several major bridge replacement efforts. Prior to being appointed Chief Engineer, he served in several capacities in the Department's Bureau of Surveys and Design over the span of sixteen years.

Joe is a fixture in the Phila. Section and is well known for his various and seemingly tireless contributions over the years. He is a Past President of the Section (1980-1981) and currently serves on one National Committee. He has received awards on both the Section and National levels in the Government Engineer category. He is a 1969 graduate of Drexel University.

Technical Group Activities Structural Group

(Continued from Page 1)

The first meeting, on "Corrosion Protection," will include presentations by three manufacturers and a question and answer period. We anticipate a lively program.

The group is seeking the participation of individuals interested in learning more about the technical issues facing the Structural Engineer. We're looking forward to another interesting program series. Watch THE NEWS for full details of the meetings. If you have any questions, please do not hesitate to call me, c/o Penmoni Associates, Inc., (215) 561-0460. Very truly yours, **Richard D. Roberts, P.E.**, Chairman, Structural Group.

(Continued on Page 4)

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**COPY DEADLINE FOR
JANUARY 1997 ISSUE
DECEMBER 10, 1996**

YOUNGER MEMBER FORUM NEWS

by Christopher Menna, Forum Editor

The Younger Member Forum, YMF current membership includes college students, recent graduates, and young Registered Professional Engineers who are 35 years of age and under. The objectives of this group 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**, Frederic R. Harris at (215) 735-0832.

Upcoming Events:

The Community Service Committee is returning again to volunteer at **The Discovery Program**. The event will be held on **Saturday, November 16, 1996, from 10 AM to 12 PM** at The Ferguson Elementary School at 7th and Norris Streets in North Philadelphia. Our Group will give a fun, interactive, hands-on lesson in structures and materials to 5th grade students. The program will be led by **Yael Heller**, Black and Veatch Special Projects; and **Christina Berardi**, NTH Consultants. Interested members should contact **Yael Heller** at (215) 928-2211 by **Friday, November 1, 1996**.

Past Accomplishments:

Drexel University held a very successful ASCE Student Chapter Career Night on October 16, 1996. The YMF assembled an excellent group of panelists for the event. The volunteer group addressed eager undergraduate students about careers in Civil Engineering. Special thanks goes out to **David Hanly**, Frederic R. Harris; **Robin Huesgen**, URS Greiner; **Paul Fry**, NTH Consultants; **Thomas Brady**, URS Greiner; **Brian McTiernan**, Sun Company; **Bob Savanas**, NTH Consultants; and **Luke McHugh**, Day and Zimmermann Transportation Services, for making the evening a success.

Our second meeting was held on October 22, 1996 at Drexel University's Hill Conference Center. Twenty members came out to network and to listen to the guest speaker. After the social hour, **Mr. Christopher Bradley** gave a short Financial Planning Seminar. Mr. Bradley is a Financial Advisor for Merrill Lynch in Wayne, PA.

Member Spotlight:

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

Daniel Afflick, E.I.T., is a Sanitary Sewer Engineer employed by The Philadelphia Water Department. He is currently involved in the Sanitary Sewer Overflow Program, where the focus is on operation and maintenance. Daniel helped to develop this program and is involved in its periodic re-evaluations. In addition, he assisted in writing the first sewer cleaning specification for the PWD. Daniel is in his last year of graduate work at Temple University's College of Engineering, where he will finish with a M.S. degree in Civil Integrated Systems.

OCTOBER DINNER MEETING

Drexel University, Philadelphia, PA

Education for the 21st Century

October 10, 1996

A great turnout of more than 150 Philadelphia Section, ASCE, members, guests, and students, alumni and faculty of Drexel University attended the stimulating kickoff regular monthly meeting of the Section's 1996-1997 season. Held at Drexel, Phila. Section President **Al Zion** presided very competently at his debut (although he and his diligent Board of Directors and other key Section officials were busy during the summer preparing the coming year's programs).

The main subject of the meeting was: "*Continuing Professional Education in the 21st Century*." Principal speaker was **Dr. Constantine Papadakis**, President, Drexel University. Drexel University's Department of Civil and Architectural Engineering was the gracious host of the evening, providing a complimentary cocktail hour, and a delicious dinner preparatory to the meeting.

Drexel University Night

The meeting honored the ASCE Student Chapter, Alumni and Faculty of the Civil and Architectural Engineering Department of Drexel University. ASCE Student Chapter Faculty Advisor **Dr. Joseph P. Martin** briefly summarized the Department statistics and programs. There are at present 550 students in the Civil and Architectural Engineering program. He cited several Geotechnical Engineering specialists participating at Drexel in the program; among these are Phila. Section Past President (1975-1976) **Dr. Robert M. Koerner**, H.L. Bowman Professor of Civil Engineering, and Director of the Geosynthetic Research Institute (GRI) at Drexel; and current Section Vice President **Sandra J. May**, both of whom have been recognized with honors by National ASCE and other professional organizations for their work in their fields of specialization.

Student Chapter President Reviews Activities

Drexel ASCE Student Chapter President **Frank Conklin** thanked the Phila. Section for its courtesies in honoring the Chapter and School, and introduced his fellow officers: Vice President, **Tom Boyle**; Secretary, **Kathryn Dadario**; and Treasurer, **Jihane Abinader**. Frank spoke about the Chapter's very active agenda of the past and current years' activities. A prominent element of its pursuits has been and continues to be cooperation with other Civil Engineering Schools in the area. Important activities include the Annual Reinforced Concrete Canoe Race competition, the Concrete Beam Model Design Contest, community activities and concordant interface with industry in technical and civic pursuits.

Bill Thomsen Introduces Dr. Papadakis

Phila. Section Past President (1994-1995) **William T. Thomsen** had the honor of presenting the distinguished Principal Speaker of the evening, **Dr. Constantine Papadakis**, President of Drexel University. In introduction, Dr. Papadakis noted that in the past year, the Engi-

neering programs — especially in the Civil and Architectural course — attained a high water mark in accomplishments. The year produced impressive advances in management policies, student enrollment, faculty and staff expansion. Particularly gratifying has been success in S.A.T. candidate advancements. He is proud of the incentives adopted through awards to students for outstanding initiatives, suggestions and achievements. He emphasized that these inventive ideas and policies derived from the *students* themselves, rather than from college officials, staff members and administrative aides.

Responses to Students' and Community Inquiries

Dr. Papadakis boasts several aspects of the advances due to these innovative policies: technological improvements via speedy responses to inquiries from prospective students and community groups interested in the University's public relations programs; eradication of financial deficits and converting them into surpluses; and expanding laboratory and research facilities.

Drexel's new President has paid concentrated attention to informing the Community of Philadelphia and its environs as to what the University stands for, and its objectives and advantages to the City, especially in financial benefits. He strives continuously for recognition by City Officials to reciprocate benefits in favor of the students individually and the University as a whole, through taxation concessions and other inducements.

Integration of the Curriculum into the 21st Century

Dr. Papadakis stressed the key need for steadily improving communication with the young clientele of 17-year-old prospective college students, particularly in engineering education.

In an informal approach during his talk, Dr. Papadakis invited questions from members of the audience regarding Drexel's policy of integrating its activities and objectives within the City as a whole — not just within the campus area and the immediate surrounding communities — thus recruiting students from a much greater theater of operations and providing useful and desired information to all concerned segments.

Drexel Strives to Maintain Positions

Dr. Papadakis focused on four principal categories in which the University must maintain positive positions:

1. The Cooperative Education Engineering Program.
2. Enhancing technological education with courses in the Humanities and Liberal Arts.
3. Continued surveillance and updating with vigilance the curriculum, in all its aspects.
4. Experience in the large Metropolitan area, to make impact on society through widespread communication and informative media.

He elaborated on radical changes in Civil Engineering curriculum, particularly in introducing

(Continued on page 4)

October Dinner Meeting

(Continued from Page 3)

design projects in the freshman year. Designing model bridges and other structures, cars, etc. help to develop higher levels of analytical capabilities in the varied programs. As he enunciated it, the general purpose of the President's initiatives is to train and motivate the students to be agile and versatile, particularly in computer technology, geared to 21st century needs and expectations.

Resourceful Training Issues Presented as 21st Century Methods

In an interesting departure from conventional technological lectures, Dr. Papadakis introduced three Drexel faculty members, one outside the scientific field, one a Professor of Chemistry, and the third a Professor of Electrical Engineering. His purpose was to illustrate his thesis of not only the usefulness, but indeed the almost critical necessity of versatility and a broadened spectrum of learning scope in engineering education.

Dr. Valerie Arms, Professor of Humanities and Communications, expounded the importance of proficiency in English composition and writing literature, and a familiar grasp of the humanities and liberal arts, in order to complete a full education. Thus can be made a conjunction and coordination between these non-scientific disciplines and technical learning. In this way, states Dr. Arms, there is formed "a non-fictional synthesis" in design projects, where clarity in preparation of hypotheses, theory and execution are paramount. Clearly, pointed out Dr. Arms, literary knowledge is essential in engineering processes.

Dr. Allen Smith, Professor of Chemistry, vividly illustrated young students' reactions to teaching and examination practices which vary from the norms they are oriented to expect generally. One innovation produced some intriguing as well as humorous responses from freshmen students in examinations in learning skills — even in areas completely alien to their major — by various styles, and methods of solving problems. In addition, Dr. Smith assigns students to write papers in any category relative, adjunct or auxiliary to their principal subject of chemistry and its appurtenances, devices and disciplines. This approach encourages ingenious inventive processes, often by design teams as well as individual initiatives.

Dr. Robert Quinn, Professor of Electrical Engineering, illustrated an interesting departure from strict adherence to a specialty curriculum. He displayed Civil Engineering structural models of various types of bridges assembled by freshman Electrical Engineering students. This clearly illustrated the manifestation of the policy of versatility and broadening engineering horizons envisioned by President Papadakis for the 21st century.

Dr. Smith read some very witty and amusing written responses from freshmen students, responses which he had requested of them in reaction to his unique methods of teamwork teaching and learning.

After concluding remarks by Dr. Papadakis, Phila. Section President Zion presented our distinguished speaker a Gift of Appreciation for his penetrating and memorable talk.

TRANSPORTATION GROUP CHAIRMAN INVITES SECTION MEMBERS TO JOIN

As the new Chairman of the Phila. Section's Transportation Technical Group I would first like to personally thank the former Chairman, **Gregory Yates**, for his outstanding efforts as Chairman and to seriously seek input from the membership on ideas for the Group's future direction and future programs. In the past the Transportation Group has sponsored programs on various Transportation projects not only of those within the Dealware Valley but also on occasions some that were outside the Delaware Valley but had a correlation with the Philadelphia area. If you are interested in joining this Group and/or sharing your ideas for our 1996-97 program or if you have any questions contact me at **(215) 580-7586**. Thank You. Sincerely, **Chris L. Rood, P.E.**, Chairman.

Technical Group Activities

(Continued from Page 2)

Construction Group

November Field Tour

DATE: Wednesday, November 13, 1996
at 12:00 Noon

SITE: The SEPTA Bus Facility

The facility which is scheduled for completion in December, 1996, is being constructed by a joint venture of Buckley/Carney, is expected to be in operation by early 1997. The tour will last approximately one hour. Reservations are needed by **November 6, 1996**. Please call **Brian Stover**, Chairman, Construction Group, at **(215) 923-5077** for details and directions. The new facility can be accessed from Wissahickon Avenue or Fox Street.

FAX BACK SERVICE

National ASCE is pleased to announce that gone are the days of waiting for ASCE-related information to arrive in the mail. Now there's **FaxBack**, which will transmit that information to you more quickly and easily than ever before. **FaxBack** currently contains information about ASCE membership, publications, conferences, membership benefit highlights, technical activities information, mailing labels/lists procedures and order forms, just to name a few. Of course, Field Services features such items as requisition forms for ordering member supplies, binders, portfolios, past president pins, past chair pins and customized certificates. You can get a quick response from **FaxBack**, 24 hours a day, seven days a week.

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Members are urged to take advantage of **FaxBack**, which is free of charge. A catalog list of topics can be faxed by choosing option 2 from the voice menu, or you can use the quick pick (option 3) to obtain a voice listing of available information.

ABOUT THE DECEMBER 10th FIELD TOUR

This \$120 million project involves the expansion and modification of the facilities within Terminals B and C to allow for the efficient operation of a major airline hub operated by USAir, that uses the 30 passenger gates in the adjacent two concourses. The work includes the expansion of baggage claim facilities by constructing a new building that combines the two existing bag claim buildings into a consolidated 800-foot long facility. New underground tunnels form the airfield are being constructed to allow for prompt delivery of inbound baggage. The main terminal building is being expanded both to the north and the south. The north expansion will provide a new ticketing pavilion along the entire curb length between the two concourses which will have 56 ticketing positions. The south expansion will provide an enlarged area for airline handling of outbound baggage. The upper level of the terminal building will be completely renovated and will be an attractive circulation space with a 45,000 square foot retail and food gallery, moving sidewalks, and public service facilities. Space for a new USAir Club is being developed on the third level.

The work has been divided into four bid packages that involve 15 construction contracts. The first package to extend the baggage delivery tunnels and the fourth package to provide facilities for relocated staff have been completed. The tunnels will go into operation when the first section of the bag claim building opens in February, 1997. The second package for the bag claim building is underway. This building is planned to open in sections starting in February, 1997, with full operation scheduled for the end of 1997. The third package is the main terminal work which is now underway with most of the work taking place behind temporary partitions so that inconvenience and disturbance to passengers is minimized. This area is scheduled for total completion in the summer of 1998, with the new retail areas opening earlier in phases, beginning in December, 1997.

A very limited number of participants can be accommodated on these tours. Places will be reserved on a first come, first serve basis on the Section Hotline (215-934-3639). Reservations will be available starting Friday, November 15. Please indicate your preferred tour time when you place your reservation.

NEWS OF MEMBERS

VanOcker Firm Relocates Offices

David A. VanOcker, P.E., Past Director of the Phila. Section, ASCE, announces that his firm, Christakis VanOcker Morrison, Consulting Engineers, has moved its offices to Strafford Station Building, 85 Old Eagle School Road, Wayne, PA 19087, phone (610) 989-3800, Fax: (610) 989-3677. The Section extends its best wishes to Dave and his partners in their engineering pursuits.

VILLANOVA ANNOUNCES WATER ANALYSIS COURSE

The Center for Environmental Research at Villanova University announces a short course entitled "Computational Analysis of Water Surface Profiles using HEC-RAS."

Course Objective

This course has been designed to familiarize the civil and environmental engineering professional with both the theoretical and practical aspects of using HEC-RAS, the windows-based steady flow, River Analysis System computer model developed by the Hydrologic Engineering Center of the U.S. Army Corps of Engineers with an emphasis on practical applications. HEC-RAS has replaced HEC-2.

Course Description:

The course begins with a review of basic open channel hydraulics. After each new aspect of HEC-RAS is introduced, students will be given a design problem to analyze on the computer under the supervision of the course instructors. Students will use the most current micro-computer version of the package on Pentium-based microcomputers in Villanova's Computer Aided Classroom. This facility allows the instructors to include actual HEC-RAS results in a real-time environment. Specialized topics to be discussed include Cross Section Selection, Culverts and Bridges, Floodway Determination, Error Analysis and Model Sensitivity. Theory and practical usage will be integrated to maximize understanding of HEC-RAS applications to actual "real world" design problems.

Each participant will receive the latest HEC-RAS (Windows) software, a copy of the program documentation, practical course lecture notes and two Continuing Education Units. The program software is not copy protected.

Course Dates/Schedule

The first class of the course will begin on **Wednesday, January 8, 1997 at 8:30 AM** and the final class will conclude on **Friday, January 10, 1997 at 2:30 PM**. A reception will be held after classes on Wednesday which will include a presentation introducing the recently formed Center for Environmental Research at Villanova.

Instructor Qualifications

Each of the instructors below offers more than a decade of extensive consulting, research and academic experience with HEC open channel flow models. This offering will be the fourth time that a course on HEC river software has been presented at Villanova University. Also, Villanova was selected to be a Beta Test Site for HEC-RAS and provided substantial, constructive input during its development phase.

Course Instructors:

Robert G. Traver, Ph.D., P.E., Associate Professor, Department of Civil & Environmental Engineering, Villanova University

Ronald C. Chadderton, Ph.D., P.E., Professor, Department of Civil & Environmental Engineering, Villanova University

Frank E. Falcone, P.E., Adjunct Associate

Professor, Department of Civil & Environmental Engineering, Villanova University

Arthur C. Miller, Ph.D., P.E. (Special Consultant), Professor, Department of Civil & Environmental Engineering, The Pennsylvania State University

Course Cost & Registration:

The total cost for this course is \$750.00. American Society of Civil Engineers (ASCE) and Society of American Military Engineers (SAME) will receive a \$50.00 discount. Register prior to December 1, 1996 to receive an additional \$25.00 discount. For registration and further details, please contact Mr. **Frank E. Falcone**, Center for Environmental Research at Villanova University at (610) 519-7920.

ACI ANNOUNCES THE ANNUAL AWARDS PROGRAM

The Delaware Valley Chapter of the American Concrete Institute is pleased to announce its **6th Annual Awards Competition**. The purpose of the competition is to recognize outstanding concrete projects. The previous Competition was a great success, honoring six Grand Prize winner and fifteen finalists. It is hoped that the competition will continue to promote an appreciation of excellence in concrete design and construction among the industry and general public.

Eligibility

Submittal projects must be completed between January 1, 1989 and December 31, 1996. Projects located in the chapter Counties of Philadelphia, Montgomery, Bucks, Delaware, Chester, Berks, Lehigh, Lebanon, Dauphin, and Northampton in the Commonwealth of Pennsylvania, or in the State of Delaware, are eligible for the Competition. You are invited to submit nominations in the following categories: Precast Concrete Systems Buildings; Cast-in-Place Frame Construction; Concrete Bridges/Highways; Architectural Concrete/Precast Claddings; Concrete Restoration and Rehabilitation. Special Award: Concrete Structures over 25 years or older.

Judging

The jury will consist of professionals in the fields of architecture, engineering, construction and education. Awards will be judged for outstanding conception, originality and application in design and construction.

First round judging will take place in early December. Finalists will be notified by mail with requests for additional material to be judged during the second round.

For full information and pre qualification forms, please contact Awards Committee Co-Chairmen **Marianne H. Frost**, c/o A.W. Lookup, (610) 825-2600 or **Ken Balch**, c/o Christakis VanOcker Morrison, (610) 989-3800.

Grand Prize Winners and Finalists will be honored at an ACI banquet to be held in April, 1997. The exact time and location of the banquet will be announced at a later date.

1996 Grand Prize ACI Award Winners

Precast Concrete Systems Buildings

Module B Garage/Utility Plant

Cast-In Place Concrete Frame Construction

Walnut Street Bridge Terminus

Concrete Bridges/Highways

Chesapeake and Delaware Canal Bridge

Architectural Concrete/Precast Claddings

Philadelphia Criminal Justice Center

Concrete Restoration and Rehabilitation

Cedarbrook Hill Apartments, Building #1

Concrete Structures 25 Years or Older

International House

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LINDA A. RATSEP, P.E.
VICE PRESIDENT

Greetings of the Season

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

IMPORTANT! 1996-1997 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.

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. **NOTE:** Changes & additions from list in October, 1996 issue.

Wednesday, January 15, 1997 - Joint Dinner Meeting with Delaware Valley Section, American Society of Highway Engineers (ASHE, Reading Branch, Phila. Section, ASCE • Holiday Inn, King of Prussia, PA
"Central Artery and Boston Harbor Tunnels", Robert Albee, P.E., Director of Construction, Massachusetts Dept. of Highways
Temple University Night

Thursday, February 13, 1997 - Joint Dinner Meeting with South Jersey Branch, new Jersey Section, ASCE, Harbor League Club, Camden, NJ
"Walt Whitman Bridge Rehabilitation", Robert Box, P.E., Chief Engineer, Delaware River Port Authority (DRPA).
Swarthmore College Night

Thursday, March 13, 1997 - Joint Dinner Meeting with Delaware Valley Chapter, Construction Management Association of America (CMAA) • Williamson's City Line
Subject and speaker to be announced
Phila. Section, ASCE Past Presidents to be honored
Widener University Night

Thursday, April 10, 1997 - Joint Dinner Meeting with Phila. Post, Society of American Military Engineers (SAME) • Williamson's City Line
"The Fastship Program", (speaker to be announced)
University of Pennsylvania Night

Friday, May 2, 1997 - Annual Spring Dinner Dance
Sugarloaf Conference Center, Chestnut Hill, PA

Friday, May 16, 1997 - Annual Golf Outing
Location and details to be announced. Watch THE NEWS!!

Join Engineering Management Group!

When you graduated from college, did you know that your management skills would be just as important as solving engineering problems? The Engineering Management Technical Group of the Philadelphia Section, ASCE, is dedicated to informing Section members of the latest developments in managing the engineered project. We have sponsored programs on such topics as the Internet, Metrication, and Engineers' Compensation; and coordinated tours of several of Philadelphia's major construction projects. If you are interested in sharing your ideas for our 1996-97 program, please contact **Dennis MacBride**, Chairman, at (215) 580-7084.

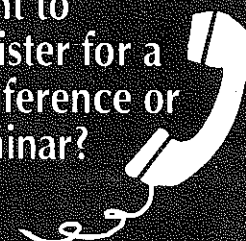
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