

the news



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AMERICAN SOCIETY OF CIVIL ENGINEERS
P. O. Box 58186, Philadelphia, PA 19102-8186

Vol. 64-5

Our 78th Year

March/April, 1992

MARCH DINNER MEETING
Philadelphia Section, American Society of Civil Engineers

ASCE

FIRST ANNUAL SPOUSE NIGHT

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down the Delaware River on LIBERTY BELLE II.

See Map and Directions on Page 2.

SUNDAY, MARCH 22, 1992 3:00 – 7:00 PM

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Dinner Choice (indicate how many of each): _____ Beef or _____ Fish

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ABOUT OUR CRUISE SPEAKER – “An Aerialist with a Ph.D.”

With lights flashing and sirens wailing, six police cars raced to the New York City Williamsburg Bridge to investigate a report that a man was climbing to the top of the main cable. Officers blocked traffic and a patrol boat was positioned below the bridge, just in case... “Come down, slowly,” an officer with a loudspeaker shouted to the man perched 100 feet above the East River. He did come down, reluctantly, within about 60 feet of the police, and dropped them his business card... “It’s a big nuisance,” says **Bojidar Simeonov Yanev**,

(whose friends call him Yanev) who has experienced this situation many times in the course of his work – being mistaken for a jumper.

This is a brief kaleidoscopic portrait of our speaker on the **March 22, 1992 Liberty Belle II Cruise**. Dr. Yanev is the Chief Bridge Inspector for the New York Department of Transportation. He is in charge of 40 inspectors who monitor 872 bridges owned by the City, and he is out there himself acting like an aerialist. Because more than half of the

(Continued on Page 3)

TECHNICAL GROUP ACTIVITIES Engineering Management Group

March Meeting

(Joint Meeting with Delaware County Chapter PSPE)

Date: **Wednesday, March 18, 1992 –**

Cocktails 6:30, Dinner 7:00

Location: Airport Ramada Inn, Route #291, Essington, PA

SUBJECT: Engineering Ethics – NSPE videotape focusing on the situations concerning the ethical behavior of engineers in construction will be viewed, and will be followed by an analysis and discussion.

Cost: \$14.00

For reservations, please contact **Al Zion**, Chairman, (215) 937-1930, or **Bill Mulloy** (215) 597-5960.

Geotechnical and Environmental/Water Resources Groups

(Combined program for 1991-1992)

March Meeting

Date: **Tuesday, March 24, 1992, 7:00 pm**

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

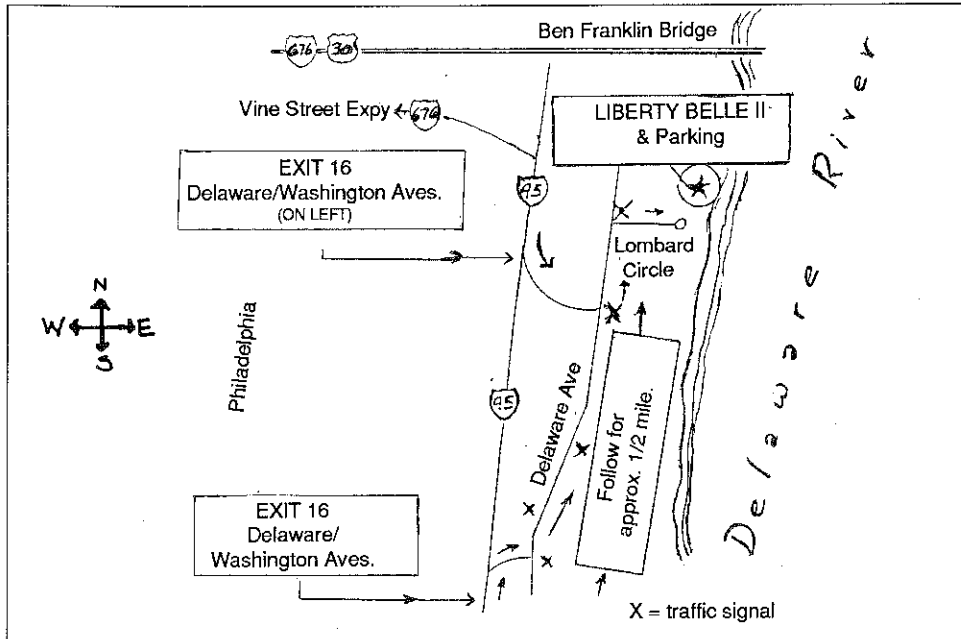
SPEAKER: Dennis O’Meara, In Situ Testing, Pennsauken, NJ

SUBJECT: New Developments in Cone Penetration Testing

Testing material properties in-situ in connection with subsurface exploration can improve both the accuracy and productivity of geotechnical investigations practice. In addition, in environmental applications, a continuous profile of subsurface conditions and their variability is of special value. Recording and reducing the wealth of data so obtained is now feasible with portable instrumentation. Consequently, cone penetrometers are increasingly popular, including enhancements such as electric piezocones that measure water pressures and pressure responses.

A comprehensive presentation on the use, applications and data processing of cone penetrometers will be made by In-Situ Testing, a division of McClymont & Rak.

(Continued on Page 2)



LOCATION MAP TO LIBERTY BELLE II DOCK
at Penn's Landing, Delaware Ave. & Lombard St., Phila., PA

FROM I-95 SOUTH: To exit 16 (Penn's Landing, Delaware Ave./Washington Ave.), make a left at light onto Delaware Ave., go to next light and make a right into Lombard Circle entrance. Parking lot on left; Liberty Belle II docked in front of parking lot.

APRIL JOINT DINNER MEETING

Philadelphia Section, American Society of Civil Engineers
Philadelphia Post, Society of American Military Engineers

WEDNESDAY, APRIL 8th, 1992

Location: OFFICER'S CLUB, U.S. NAVAL BASE, PHILADELPHIA
Cocktails - 5:30 pm Dinner - 6:30 pm PROMPTLY Meeting - 7:30 pm

SUBJECT: The Meridian Plaza Fire

SPEAKERS: Richard Rowe, Chief Structural Engineer, Kling, Linquist, Architects/Engineers, Phila., PA and David Wismer, P.E., Director, Bureau of Codes, Department of Licenses & Inspections, Phila. PA

Our expert speakers will discuss the fire tragedy at the Meridian Plaza Bank Building in downtown Philadelphia last year. Questions and comments from members of the audience will be welcomed. Be sure to attend this important meeting!

PLEASE FILL OUT AND RETURN RESERVATION COUPON AS DIRECTED BELOW - FOR THE APRIL 8, 1992 MEETING.

RESERVATION FORM FOR PHILADELPHIA SECTION ASCE
APRIL DINNER MEETING

Wednesday, April 8, 1992 - Officers' Club, US Naval Base, Phila.

Please reserve _____ dinner(s) at \$15.00 each. Check enclosed \$ _____.
Students - \$7.50 (Group reservations by Faculty Advisors. You are welcome to attend all Section Meetings after Dinner, at no charge.)

Name _____

Address _____

Phone _____

Please return with payment to: ASCE, P.O. Box 58186, Philadelphia, PA 19102-8186
Reservations must be postmarked no later than April 6, 1992.
Tickets will be issued at the door.

Technical Group Activities

(Continued from Page 1)

April Meeting

Date: April 21, 1992, 7:00 pm
Location: Hill Seminar Room, LeBow Engineering Center, Drexel University, 31st and Market Sts., Philadelphia, PA

SUBJECT: "Permitting and Design of a Landfill Expansion Under Revised PADER Regulations"
SPEAKER: George H. Barstar, AGES Corp., Norristown, PA

For further information, please contact: Dr. J.P. Martin, Chairman, Geotechnical Group, Dept. of Civil & Arch Eng., Drexel University Phila. PA

(Continued on Page 3)

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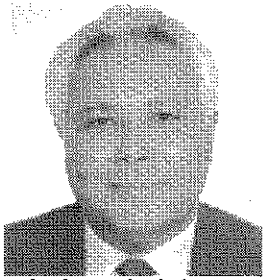
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MAY 1992 ISSUE

MARCH 15, 1992



THE PRESIDENT'S MESSAGE

This year marks the year of tradition in the Philadelphia Section. We kept the old traditions and started new ones.

The first Past Presidents' Night, held on February 20, 1992, was a great success with 17 past presidents in attendance.

On March 22, 1992, we will have our first Spouse Night. I hope to see all of you there.

Our scholarship program is alive and well. We are waiting for the schools to submit the names of their candidates and hope to present the award in May.

Finally, this Board of Directors has embarked on an important task, the task of revising the Section's Constitution and By-Laws and our Operations Manual. The revision was dictated by the need to establish long-term goals and plans, and to leave a workable document for future generations.

It gives me pleasure and a great sense of pride to advise you that your Board of Directors is on the right track and that the goals we established for ourselves in June of 1991 will be fulfilled by the time the new Board is installed on May 16, 1992.

Please continue to support your section activities. We need you and we need your support.

Sincerely, Moustafa A. Gouda
President, Philadelphia Section, ASCE

Technical Group Activities

(Continued from Page 1)

19104, (215) 895-2363 or **Mr. Raymond Lees**, Chairman, Environmental/Water Resources Group, Groundwater Technology, Inc., 223 Wilmington-West Chester Pike, Chadds Ford, PA 19317 (215) 558-1730.

Structural Group

1992 Meeting/Program Schedule

All programs will be held in the Hill Seminar room, 2nd floor of the Lebow Engineering Center, Drexel University, 31st and Market Streets. Programs will begin at 7:00 pm. Refreshments will be provided. Please make reservations with **David A. VanOcker**, Chairman, Structural Group, c/o Christakis + Kachele, (215) 352-7676.

March Meetings

Date: **Tuesday, March 10, 1992** (Note change in date as previously announced)

SPEAKER: **Udom Hungspruke**, Thornton-Tomasetti Engineers

SUBJECT: **Vertical Expansion of Historic Buildings, Including Highlights on the Bellevue Stratford Conversion.**

Date: **Thursday, March 19, 1992**

SPEAKER: **David Chou**, Bernard Schwartz & Assoc.

SUBJECT: **New Stadium Sports Complex in South Philadelphia.**

April Meeting

Date: **Thursday, April 16, 1992**

SPEAKER: **Robert Griffith**, STV Engineers

SUBJECT: **Structural Innovations on the Westinghouse Trash to Steam Plant, Chester, PA**

Cruise Speaker

(Continued from Page 1)

City's bridges are in an advanced state of decay, the Bulgarian-born Dr. Yanev and his crew are the first line of defense against catastrophe. He is famous world-wide, and his slide shows of rusted beams, cracking girders and crumbling concrete have packed meetings in many countries. He holds a Doc-

CONCRETE CANOE RACE

A Concrete Canoe Race Program for Metropolitan Philadelphia area Civil Engineering Schools will be held on the Schuylkill River race course (East River Drive, below the Strawberry Mansion Bridge) on **Saturday morning, April 11, 1992, from 9:00 am to Noon.**

This is an annual informal social and competitive event for the local schools; and it gives them a good opportunity to warm up for the Pennsylvania-Delaware Regional Conference and race for the ASCE Student Chapters, which takes place two weeks later at Penn State University.

All Philadelphia Section members are cordially invited to attend and cheer on their favorite teams. Also, volunteers are eagerly sought and welcome to participate in judging the races, evaluating the canoe designs for award presentations, and other ceremonies in the program.

Philadelphia Section members who are willing to assist are asked to call **Dr. Joseph P. Martin**, Faculty Coordinator for the event, at Drexel University, (215) 895-2363. Dr. Martin and his Civil Engineering students and faculty assistants are particularly hopeful that this year's scheduled Canoe Race Program will be successful, in view of the necessary cancellation of the event last year because of the sparsity of entrant schools. Dr. Martin also requests that Phila. Section members alumni of eligible schools assist them in the logistics of fabricating of the canoes, transportation, etc., if needed by the participants.

tor of Engineering Science degree from Columbia University and teaches structural engineering courses there. Among many other talents, he is an accomplished violinist.

Dr. Yanev's presentation surely will be entertaining as well as educational. He will add much color and interest to the cruise.

DON'T MISS THIS EVENT!!

LIFE MEMBERSHIPS AWARDED

Certificates of Life Membership in ASCE were awarded to Philadelphia Section members at the February 20, 1992 Joint Meeting with the South Jersey Branch of the New Jersey Section, ASCE, held at the Harbor League Club, Camden, NJ. The following members were in attendance at the meeting and received their certificates in person from Section President **Moustafa Gouda** and National ASCE President **Chuck Pennoni**, our featured speaker at the meeting: **Edward C. Hess, Stanley L. Clewett, Morris J. Siegel, Eugene J. Shoosmith, Nelson C. Simonson, Lambert T. Van Eerden, Charles C. Ang, Melvin C. Williams, Louis Einhorn.**

Life Member Awardees who were not present at the meeting, and whose Certificates will be mailed to them are: **Ralph C. Dumack, Carmen F. Guarino, Edgar H. Hendler, Peter J. Neuspiel, George C. Schmidt, Edward Vallorani, Howard G. Minckler, Nicholas Kamariotis, Joseph H. Aron, James C. Fiorello, Clare V. Vanden Broek.**

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

PAST PRESIDENTS HONORED

In his continuing program of "Recognition of Leadership," President Moustafa A. Gouda designated the February 20, 1992 Section meeting "Past President's Night," as he presented honorary ASCE pins to seventeen Past President of the Philadelphia Section, ASCE who attended the meeting.

Mr. Gouda opened the presentation by leading the audience in a tribute of silence in memory of our late beloved Past President, **Norman G. Weintraub**, who died suddenly on January 15, 1992 (see article in the February, 1992 issue of THE NEWS).

Past Presidents of the Section who were present at the meeting and who were congratulated for their contributions to the success of the Section, and who were awarded their pins by President Gouda were: **William Padlasky (1961-62), Sidney Robin (1962-63), Milton W. Rothbaum (1967-68), James W. McPhillips (1969-70), Lawrence M. Moy (1971-72), Bruno J. Talvacchia (1972-73), C.R. (Chuck) Pennoni (1978-79), Kenneth J. Zitomer (1979-80), Joseph R. Synchron (1980-81), Frederic Roll (1981-82), Bernard M. McNamee (1982-83), John E. Durrant (1984-85), Ira N. Pierce (1985-86), Albert M. Tantala (1986-87), Susan K. Lior (1988-89), J. Richard Weggel (1989-90), Frank J. Depman (1990-91).**

Several Past Presidents sent letters of acknowledgement to Mr. Gouda, thanking him for the invitation to the presentation, and regretting their inability to attend the meeting.

FEBRUARY JOINT MEETING

Harbor League Club, Camden, NJ

"The Future of Civil Engineering"

by Frank Russo, Staff Writer

February 20, 1992

On Thursday night, February 20th, the ASCE Philadelphia Section, ASCE began what it hopes will be a lasting tradition: Past-President's Night. The night was dedicated to all of the previous Presidents of the Philadelphia Section who have worked tirelessly for the advancement of Civil Engineering and the American Society of Civil Engineers.

The dinner meeting was a Joint Meeting between the Philadelphia Section and the South Jersey Branch, New Jersey Section of ASCE. It was also ASCE's night to honor Temple University's Dept. of Civil Engineering, and its ASCE Student Chapter.

The highlight of the evening, though, was the principal guest speaker: Philadelphia's own **Chuck Pennoni**, President of Pennoni Associates, Past-President of the Philadelphia Section and current President of ASCE National, who took time out of his busy schedule to honor the Section and to be honored in turn as a Past-President at this momentous occasion.

The Temple Contingent

Once again Temple University's Department of Civil Engineering was out in force, showing to one and all that they are rapidly becoming a force to be reckoned with in the Philadelphia Engineering community. With approximately 50 members of the student body and faculty in attendance, Temple once again provided the Section with its largest University turnout.

Temple's Faculty Advisor, **Dr. Bechara E. Abboud**, was the first to be introduced by Phila. Section President **Moustafa Gouda**. Dr. Abboud stated that he was extremely proud of the students at Temple University and was pleasantly surprised at their accomplishments over the three years that he has been the Advisor. The next in line in the Temple contingent was Department Chairman, **Dr. Frederick C. Schmitt**. Dr. Schmitt discussed the undergraduate programs at Temple University which include Civil Engineering, Civil & Construction Engineering Technology and Environmental Engineering Technology. Dr. Schmitt also discussed the Department's rapidly growing graduate programs in Structural Engineering, Construction Management and Transportation Engineering. Dr. Schmitt, like many in attendance, feels that Temple University has positioned itself well for the foreseeable boom in the demand for Civil Engineers due to recent legislation such as the new \$161 billion Transportation Bill.

President Russo Speaks

The next in line at the speakers podium (and also the author of this fantastic piece of writing) was Student Chapter President, **Francesco M. Russo**. President Russo introduced his fellow Student Chapter Officers and briefly described the activities of the Temple U. Student Chapter. These activities include the all-time favorite concrete canoe competition, tutoring services provided by the officers, professional development activities, and a push to enter students in scholarship competitions. These scholarship competitions have resulted in a rather large windfall of

scholarship money for Temple students in the past year. President Russo, who, like the other speakers, was "up against the clock," concluded by thanking the Section for inviting Temple University as the guest school for Past-Presidents Night where some of the great Civil Engineers of the past, present and future could gather together for both an educational and social function.

...And Now for a Really Big Show

Ed Sullivan couldn't have said it any better. The evening's guest speaker was about to take the podium. The crowd was tense, there was a crackle in the air, the lights grew dim, and then, the Chuck Pennoni trademark, a joke. What a way to start the speech!!

The topic of Mr. Pennoni's speech was the Visioning Process which he and the rest of the ASCE Board of Direction had participated in at a recent San Diego meeting. The premise of the Visioning Process was not to define where ASCE is, but rather to explore where it is going 10, 20 even 30 years down the road. The exploration was an exercise to help position ASCE in the forefront of Engineering in a variety of ways over the next 30 years.

The Board of Direction first decided to look at the history of Civil Engineering and ASCE over the past few decades. In doing this they began to understand and appreciate more fully the changes that have come over the profession. These include the introduction of the microcomputer; requirements for Environmental Impact Statements; the increased use of codes and standards to perform engineering as opposed to more traditional analyses and design approaches; the importance of quality as a necessity in a project; and the influx of regulations and law based activities into the profession. The Board also explored the ever changing role that Civil Engineers are required to perform in or not perform in, as circumstances determine.

The Civil Engineer's Role

The Civil Engineer is slowly being removed from roles that he or she traditionally played in society. Some of these roles include: Heads of State, County and Municipal D.O.T.'s; Principals of Consulting Firms and Contracting Companies, Public Works Directors and Utility Directors, i.e. Water Departments; and last and certainly most startling, Chairpersons of Departments of Civil Engineering. On the other hand, Civil Engineers find that some of the jobs they must perform are ever expanding. The Environmental boom has created endless areas of practice for the Civil Engineer, and the Transportation boom is soon to do the same.

The final area that the Board explored is the nature of ASCE itself. They looked at issues such as ASCE's name. Should it remain the American Society of Civil Engineers or be changed to the American Society for Civil Engineering? They also explored the membership requirements of ASCE and the role that the Civil Engineering Technologist and Technician play in the Profession. Finally, one of the

NOMINATIONS FOR OFFICE Philadelphia Section, ASCE 1992-1993

In accordance with the Constitution and By-Laws of the Philadelphia Section, ASCE, the Nominating Committee appointed by President Moustafa A. Gouda has submitted the following slate of nominees for elective office for the 1992-1993 administrative year:

President - Klaus K. Fuelleborn (one year)
1st Vice President - Robert M. Wright (one year)
2nd Vice President - William T. Thomsen (one year)
Secretary - Drew S. Mihocko (two years)
Assistant Secretary - Michael J. Carragher (two years)
Director - Susan K. Lior (two years)
Director - Richard P. Markwith, Jr. (two years)
Director - David A. VanOcker (two years)
Director for Reading Branch - To Be Announced (one year)

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

Treasurer - Darin L. Gatti
Membership Secretary - George J. Stanley
Director - Stephen G. Jochum
Director - Joseph P. Martin
Director - William G. Richards (appointed by the Board of Directors to complete the term of our esteemed late Director, Norman G. Weintraub.)
Past Presidents to serve on the Board of Directors:
J. Richard Weggel (one year)
Frank J. Depman (two years)
Moustafa A. Gouda (three years)

The above slate of nominees will be announced at the March 22, 1992 meeting. If no additional nominees shall have been submitted and received by the Section Secretary, in accordance with the Section's Constitution and By-Laws, by April 1, 1992, the above listed slate of nominees shall have been declared elected at that time and will be installed at the Section's Annual Dinner Dance at the Catalina Restaurant, Philadelphia, PA, on Saturday evening, May 16, 1992.

Members of the Nominating Committee are: Frank J. Depman, Chairman; Klaus K. Fuelleborn, Moustafa A. Gouda, Susan K. Lior, Sidney Robin, Joseph R. Synchron and J. Richard Weggel.

*For those who believe,
no explanation is necessary.
For those who don't believe,
no explanation is possible.*

most important issues that they addressed, and one that is of prime importance to the author and the students gathered that night, was to define the role that ASCE presently plays and should play in education of future Civil Engineers.

That's All Folks!!!

The evening concluded with a question and answer session with President Pennoni and plenty of interaction between the students and professionals in attendance. Once again, the Section heartily thanks President Pennoni and all of the Past-Presidents for their continued support.

ATLSS SEMINAR SERIES

Lehigh University Center for Advanced Technology for Large Structural Systems (ATLSS), Bethlehem, PA, announces the following Seminars for Spring, 1992 (the times are 3:10 pm and refreshments are served at 2:45 pm).

Wednesday, April 1, 1992 – “Floor Vibrations in Buildings”

Place: University Center, Rm. 303

Dr. Thomas M. Murray

Professor of Civil Engineering,
Virginia Polytechnic Institute and
State University, Blacksburg, VA

Wednesday, May 13, 1992 – “Innovations in Fabrication and Erection of Steel Buildings”

Place: Rauch Business Center

(Clayton Conference Center, Rm. 91)

Mr. Robert Abramson

President, Interstate Iron Works,
Whitehouse, NJ

The Seminars are open to the public. For additional inquiries, contact **William D. Michalerya** (215) 758-5483 or **David A. Thomas** (215) 758-5626; fax for both: (215) 758-5553.

ARBITRATION DAY

The American Arbitration Association, Department of Education and Training, is conducting an Arbitration Day Forum in Philadelphia on **Wednesday, April 1, 1992**, at the Philadelphia Hilton and Towers. For inquiries and full information, contact: Department of Education and Training, 140 West 51st Street, New York, NY 10020, (212) 484-3233, Fax: (212) 765-4874.



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UNIQUE SNOW AND ICE LOAD ANALYSIS

Editor's Note: The following article was excerpted from a recent edition of The Wall Street Journal. THE NEWS thanks Section Past President Al Tantalat for submitting it.

Michael J. O'Rourke will soon escape from his cozy research lab at Rensselaer Polytechnic Institute in Troy, NY, to cool his heels at nearby Snyders Lake. Actually, he'll be on the lake (provided it's frozen – and snowy).

He won't be ice fishing though. The civil engineer will spend the long, cold hours studying the drifting white particles. It sounds flaky, but it's all for science.

Prof. O'Rourke devises design standards that engineers can use to prevent buildings from collapsing under the weight of snow. He began 13 years ago, and his work has been snowballing ever since. He has already developed one breakthrough equation involving drifting snow loads as a recommended standard for building codes; it recently received the American Society of Civil Engineers' stamp of approval.

He's now after No. 2. His earlier equation was based solely on a computer analysis of statistics and case histories of roof collapses; it didn't factor in any physical variables, such as the wind, that govern drifting. "Researchers never consider a problem solved," he notes.

At Snyders Lake, he and two undergraduate assistants will set up small-scale models of multilevel roof structures and sprinkle snow on them. Then, letting the wind take its course, they'll measure drifts, monitor wind speeds and record the experiment with a video camera.

Insurers don't give such research the cold shoulder. Between 1977 and 1989, one industry group reports, property losses from roof collapses totaled \$382.6 million – or \$297,000 per loss. In 1978, Travelers Corp. faced a \$12.5 million claim after the roof of the Hartford Civic Center in Connecticut collapsed under the weight of snow. A court eventually found that faulty design was to blame.

This winter, Prof. O'Rourke expects to be dealing with cold facts – at temperatures possibly dipping below zero degrees Fahrenheit and with the wind likely to be bitter. But he doesn't worry about frostbite. "We can always go back to the shore, get in the car, turn on the heat and get warm," he says.

And what does the professor do in warmer weather? He diverts some of his attention to his other specialty – the effects of earthquakes on underground pipelines. "People find earthquakes generally more fascinating than snow loads. So I usually talk about earthquakes when I'm at cocktail parties."

NEWS OF SAFETY

When a pair of crowded walkways collapsed in a year-old Kansas City hotel during a tea dance back in 1981, it was the beginning of a new era of greater care in creating and communication among the people who design, build and manage public spaces. Perhaps that tragedy — the most devastating structural collapse ever to take place in the United States — served to save the lives of untold others in the decade since.

According to Dr. Edward O. Pfrang, ex-Executive Director of ASCE, the collapse was ultimately caused by a breakdown in communications. The entire design of the walkways, Pfrang explains, was significantly in violation of the Kansas City building code. A change in the design of a hanger rod so weakened the load capacity of the walkway that it became dangerously susceptible to collapse. Yet neither the engineer nor the subcontractor communicated in writing about the design change. Examples of leadership in the new era of increased cooperation include the Army Corps of Engineers' new "Partnering" program that brings together all the players in a new construction project to meet each other and establish communication. The American Consulting Engineers Council's peer review process aims to enhance the planning and management of a project, including communication. ASCE has taken

(Continued on page 6)



James L. Morrison, P.E.
Director of Pennsylvania Operations

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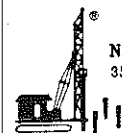
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ASCE CONSIDERS ARCHITECTURAL ENGINEERING DIVISION

The Technical Activities Committee (TAC) has established a Task Committee to evaluate the feasibility of establishing an Architectural Engineering (AE) Division to serve the needs of members involved in the building design industry. The Committee will determine the scope of the proposed Division's activities, survey the membership to assess interest, develop a Division structure, and make recommendations to TAC for its implementation.

The establishment of the AE Division is being considered in recognition of the fact many civil engineers are directly involved in building design both as their company's or agency's primary activity, or as a supplemental part of a larger infrastructure program such as transportation or public works development. Many of the largest building design programs in the country are managed by civil engineers, such as the Naval Facilities Engineering Command and the U.S. Army Corps of Engineers. The proposed new Division will provide them with a forum to review, evaluate and advance the technology in the industry.

A key consideration in addressing this issue is a recognition that building design is a multidiscipline activity involving civil engineers, structural engineers, mechanical engineers, electrical engineers and architects. It is anticipated the Division will work closely with other technical societies through jointly managed specialty conferences and symposia to examine such facets as:

Programming – Evaluating a building user's operational and functional activities to determine optimum building configuration and layout.

Site Analysis – Analysis of environmental factors and adaptation to an appropriate site.

Cost Analysis – Techniques for relating the user's building needs to its budget capability to assure the final design is economically realistic.

THINK SPRING!! THE ANNUAL SPRING SOCIAL APPROACHES

SATURDAY, MAY 16, 1992

CATALINA RESTAURANT, 20TH & HAMILTON STREETS, PHILADELPHIA, PA
DINNER, DANCING, FUN!!
Mark Your Calendar NOW!!!

Structural Systems – Consideration of established and innovative structural systems and their appropriate application to different building types.

Code Compliance – Development of approaches to compliance with the many federal, state and local building code requirements, and participation in refining and developing new standards.

Aesthetics – Sensitizing civil engineers to the importance of aesthetics in building design and working cooperatively with other disciplines on the design team to develop sound, practical solutions that results in good buildings making good neighbors.

Power, Lighting and Communication Systems – Working cooperatively with electrical engineers to better appreciate their needs.

Environmental Systems – Working cooperatively with mechanical engineers to understand their needs in designing heating, ventilating and air conditioning systems, plumbing and related mechanical systems for buildings.

Construction Methods – Joining with those in the construction industry to continually evaluate constructibility of design approaches and develop new techniques for reducing construction costs and speeding the construction process.

Many of the areas of interest to those in the building design industry are already being addressed by other ASCE Divisions such as the Structures Division and Construction Division. If established, the Architectural Engineering Division would not duplicate these activities. The scope of the AE Division will be general. It will work cooperatively, as an example, with the Structures Division to maintain an awareness of the development of the structures technology.

Phila. Section ASCE members involved in the building design industry are invited to fill out the response form below and return it to the Task Committee.

ASCE ARCHITECTURAL ENGINEERING DIVISION PETITION

I am an ASCE member and I hereby petition the Society to establish an Architectural Engineering Division.

Name _____

Address _____

Telephone _____

My special interests are _____

Signature _____

Mail completed form to: AE Division Task Committee; American Society of Civil Engineers; Attn: John Griffin; 345 East 47th St.; New York, NY 10017.

News of Safety (Cont'd from Page 5)

up the challenge of defining who is responsible for the many facets of an engineering project, from conception to start-up, in a new publication: *Quality In The Construction Project*.

As a professional society with a mission of advancing the science and profession of engineering to enhance the welfare of mankind, the responsibility of ASCE, Pfrang says, is clear: protecting the public health and safety.

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Moustafa A. Gouda, P.E.
Principal

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