

the news



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PHILADELPHIA SECTION

AMERICAN SOCIETY OF CIVIL ENGINEERS

1317 Spruce Street, Philadelphia, PA 19107

Vol. 61-6

Celebrating Our  75th Anniversary

MARCH, 1989

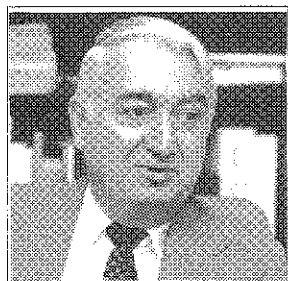
MARCH DINNER MEETING

Philadelphia Section, American Society of Civil Engineers

TUESDAY, MARCH 14, 1989

ENGINEERS' CLUB, 1317 Spruce Street, Philadelphia

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



SUBJECT: SEPTA: ACTION FOR THE 90'S

SPEAKER: LOUIS J. GAMBACCINI, Chief Operations Officer/
General Manager, Southeastern Pennsylvania Transportation Author-
ity (SEPTA)

Mr. Gambaccini will briefly describe what has taken place at SEPTA since his recent appointment as General Manager. His action program for SEPTA in the upcoming decade will be reviewed.

Louis J. Gambaccini, before assuming his present position at SEPTA on August 29, 1988, served as President of the Institute of Public Administration (I.P.A.), a New York policy-research center. His professional background also includes various positions held at The Port Authority of New York and New Jersey — Assistant Executive

Director/Trans-Hudson Transportation, Assistant Executive Director/Director of Administration, and Vice President & General Manager of the Port Authority Trans-Hudson Corporation (PATH), to name a few. He also served as New Jersey's Commissioner of Transportation and the Chairman of the New Jersey Transit Corporation.

Mr. Gambaccini is active in many professional organizations — Transportation Research Board, Center for Excellence in Government, Rutgers University Board of Trustees, Council on New Jersey Affairs, American Society for Public Administration, American Public Transit Association, and the National Academy of Public Administration. He has also served as Vice President of the American

(Continued on Page 2)

APRIL JOINT DINNER MEETING

Philadelphia Section, American Society of Civil Engineers

Philadelphia Post, The Society of American Military Engineers

WEDNESDAY, APRIL 12, 1989

OFFICER'S CLUB, U.S. NAVAL BASE, Philadelphia

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

SUBJECT: Port Unification

SPEAKER: Rev. Nicholas S. Rashford, S.J., President, Saint Joseph's University; Chairman, Delaware River Port Authority (DRPA).

NOTICE!! DINNER AT PHILA. SECTION MEETINGS WILL BE SERVED ONLY TO THOSE WHO CALL IN THEIR RESERVATIONS. FOR ALL MEETINGS — AS THEY ARE ANNOUNCED IN *THE NEWS* — CALL PRESIDENT SUE LIOR'S SECRETARY, BETHANN, AT (215) 925-3196 IMMEDIATELY.

Dinner Meal Charge at the Engineers' Club **March 14, 1989:** ASCE Member \$16.00; Non-Member — \$17.00; Students — \$8.00 Dinner charge at the **April 12, 1989** meeting at The Officer's Club, Phila. Navy Yard: Members & Guests — \$15.00; Students — \$8.00.

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

TECHNICAL GROUP ACTIVITIES

**Geotechnical and
Water/Environmental Groups**

March Meeting

Date: Tuesday, March 21, 1989 — 7:00 PM

Location: Room 4014, MacAlister Hall, Student Center, Drexel University, Chestnut Street between 32nd and 33rd.

SUBJECT: Remediation of Soil Contaminated with Volatile Organic Compounds

SPEAKER: Dr. William L. Deutsch, P.E., Roy F. Weston, Inc., West Chester, PA

Spills, storage vessel leaks and leachate seepage frequently result in releases of volatile organic compounds into the ground. Technologies to remediate contaminated groundwater have been available for some time, but more recent attention has been directed to cleanup of the soil itself.

Dr. Deutsch will address field remediation techniques that remove volatile organic contaminants from soil.

Dinner will be available at the Drexel Faculty Club, 6th Floor, MacAlister Hall. For further information, please call Chairman Dave Ritter at (215) 495-0303; or Dr. Joseph P. Martin at (215) 895-2363.

Structural Group

March Meeting

Date: Tuesday, March 28, 1989

Engineers' Club

Cocktails: 5:30 PM; Dinner: 6:30 PM;

Meeting 7:30 PM

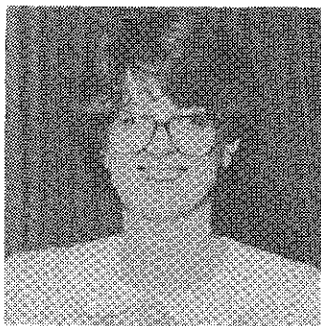
SUBJECT: AISC Marketing, Inc., The Newly Created Company Formed to Provide Technical Assistance to the Engineering Community in Structural Steel Design.

SPEAKER: Carl Angelloff, Regional Engineer for AISC Marketing

Mr. Angelloff will present a brief, informative program featuring the services available from AISC to help you develop the most efficient, low-cost steel frame for your project. Their experts in steel fabrication, design and erection can provide preliminary designs, advice on cost and details, and information on the latest construction methods using structural steel.

For reservations and information, please contact David A. VanOcker, P.E., Chairman, Structural Group, c/o Christakis & Kachele, Inc. (215) 352-7676. (Continued on Page 2)

The President's Message



I apologize for scheduling a Section meeting and Thatcher Longstreth for February 14th. Mr. Longstreth's honesty, humor and understanding of our times is rare and, if applause is any indication, appreciated. For 45 minutes we were entranced and enlightened. For those of you who chose to spend St. Valentine's Day with your families/loved ones, we did you a disservice.

By the time you read this, the celebrations of Engineers' Week will be over. While it is a time to celebrate — it is also a time to reflect. As a Section President, I received a letter from President George Bush extending his best wishes for our celebrations. What struck me was his statement, "America's engineers have always played a vitally important role in developing America's way of life and standard of living." It struck me because I assumed that if we have always played this important role, we always will. Move many years to the future and look back. What role did we play? Was our direction clear, purposeful, singleminded, honest, etc.? How effectively did we provide direction?

We need to address our priorities and agendas to decide whether we're emphasizing the direction and values appropriate for the future. To give seed to thought, I'd like to repeat some material prepared by the National Society of Professional Engineers (NSPE) addressing the shortage of Engineers:

"... We need to act to address the national shortage of engineers facing us, expected to seriously affect the construction industry by the 1990's. Decreasing American competitiveness and initiative in the engineering field has reached crisis proportions. ...

The shortage of qualified engineering graduates in the 1980's has created a void which will dramatically affect us all. Engineers contribute substantially to the future of our society. They design wastewater treatment plants, clean hazardous waste dumping sites, rebuild aging highways, bridges and buildings, and continue to make new discoveries in space with applications on earth. ... So what can we do?

We can begin by working with our children and educators. Together we have a responsibility to encourage interest in math and science. Yet, in many school systems, these disciplines are deemphasized. While engineering may not be perceived as having the glamour of a career in law, sports or medicine, it is the key to improving economic productivity which is the basis for social progress. Our educational system should prepare them to solve problems in a highly competitive, interdependent world environment. Instead, we are educating our children for a service-oriented society. We are training 1,000 lawyers for every 100 engineers. Contrast this with Japan which is training 1,000 engineers for every 100 lawyers.

... Creative thinking and problem solving need to be more strongly emphasized than they are now. In Japan today, the average eighth-grader knows more about mathematics than a business school graduate in the United States. U.S. college science, math and engineering programs have declined when they should have progressed. Enrollments in the schools of Civil Engineering, traditionally the mainstay of the public works profession, are declining significantly. The share of degrees awarded has been falling rapidly from 23.3 percent in 1976 to 12.8 percent in 1984. We're graduating half as many PhDs in the physical sciences as we did in the 1970's — and half of those graduates speak English as a second language.

Engineers must become more involved in improving math and science education in elementary and secondary schools as well as encouraging more young Americans to consider pursuing careers in engineering. We particularly need to reach out to minorities and women to capture their imaginations and fuel their inquisitiveness. American women comprise 40 percent of the work force, yet only 4 percent of all engineers are women.

"... Without engineers' work our families wouldn't be able to drive across a bridge, drink a glass of water or be warned by the radio of an approaching hurricane. Without engineers the world would calculate on an abacus, talk long-distance by shouting, and visit the neighboring town only when the creek didn't rise. ..."

When you finish reading this, please talk to young persons you know. Tell them about engineering, and that we need them.

Sincerely, Susan K. Lior
President, Phila. Section, ASCE

FEBRUARY DINNER MEETING

(Continued from Page 1)

Public Transit Association, First Chairman and Founding Director of the Center for Excellence in Government, Chairman of the Tri-State Regional Planning Commission, and Chairman of the Northeast Corridor Commuter Rail Authorities Committee.

Mr. Gambaccini is a graduate of the University of Connecticut with a bachelor's degree in government. He has a master's degree in public administration from Syracuse University and has done doctoral work in public administration at New York University.

SPECIAL EVENT: PRESENTATION OF LIFE MEMBERSHIP AWARDS

SPECIAL FEATURE: WIDENER UNIVERSITY NIGHT

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

TECHNICAL GROUP ACTIVITIES

(Continued from Page 1)

Transportation & Urban Development Group

February Meeting

The February 23, 1989 meeting at the Engineers' Club was on the subject: "The Redevelopment of 30th Street Station and the Surrounding Area." The speaker was Dan Peter Kopple, Dan Peter Kopple & Associates.

Mr. Kopple provided the Group with an overview of the present project to rehabilitate 30th Street Station. He has been involved in the planning and design of modifications to the station
(Continued on Page 3)

PHILADELPHIA SECTION ASCE

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Philadelphia, PA 19102

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SEND COPY TO:

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**COPY DEADLINE
FOR
APRIL 1989
ISSUE
MARCH 14, 1989**

FEBRUARY MEETING

February 14, 1989

Engineers' Club

PHILADELPHIA TRASH TO STEAM –
DEAD OR DOES IT JUST SMELL FUNNY?

Editor's Note: Publications Chairman Sid Robin and Associate Editor Dave Perri are indebted to the members of the Temple University ASCE Student Chapter for their splendid assistance in preparing the following report.

Valentine's Day notwithstanding, Philadelphia Section ASCE members, guests and students attended a very stimulating February Section meeting. Principal guest speaker was the **Hon. W. Thacher Longstreth**, City of Philadelphia Councilman-At-Large, on the subject: "Philadelphia Trash to Steam: Can It Happen?"

Temple University Night

The meeting honored the ASCE Student Chapter, alumni and faculty of Temple University Department of Civil Engineering. Student Chapter Chairman **Andrew P. Assenmacher** thanked the Section for the invitation and honor, and introduced his fellow officers: President – **Vince Puleio**; Vice President – **Jim Fox**; Secretary – **Maria Valente**; and other Chapter members. After briefly reviewing the general Chapter activities, Mr. Assenmacher presented **Pamela Detweiler**, who described a particularly important senior design project. This is team oriented, encompassing a structural engineering concept suitable for industrial or commercial purposes. It incorporates professional, educational and "in-practice" contributions of engineers, architects and contractors.

Temple's Progress in Curricula

Student Chapter Faculty Advisor, **Dr. Frederick C. Schmitt, P.E.**, explained Temple's Department of Civil Engineering Baccalaureate, fully accredited four-year programs leading to the Bachelor of Science in Engineering Degree (B.S.E.); the Bachelor Science Degree (B.S.) in Civil Engineering, Civil and Construction Engineering Technology, and Environmental Engineering Technology; and the Graduate Program of Master of Science in Engineering (M.S.E.), and the M.S. Degree in Computer Integrated Civil Engineering Systems. Assisting Dr. Schmitt in these programs – and who were present at the meeting to offer further explanation to those interested – are faculty members, **Professor Stephen G. Jochum, P.E.**, Civil Engineering Department Chair; **Dr. Raymond J. Perreault**, and **Dr. Robert M. Patterson**.

Gabor Introduces Longstreth

Phila. Section Director **Michael J. Gabor** introduced the principal Guest Speaker, **The Hon. W. Thacher Longstreth**, Philadelphia City Councilman-At-Large. Witty, charming and articulate in his delivery, as has been his wont throughout his long, illustrious public life – Mr. Longstreth traced the history of trash disposal in Philadelphia, culminating in the unfortunate end of the proposed trash to steam conversion project in South Philadelphia, an enterprise which he enthusiastically endorses.

A One-Sided Debate

The question was posed: "What do Hiroshima, Princeton football, persiflage, the Blue Route, Abscam and trash-to-steam have in common?" Most of us, of course, would not know the

answer. But all of the above – incorporating episodes in his own experience – were woven into a colorful tapestry in his presentation. Mr. Longstreth saw the devastation of Hiroshima as a Naval officer; he played football at Princeton; he often engages in persiflage (playful raillery); he witnessed the Abscam tragedy involving some City Council members; and he has participated in all the major legislative and community debates such as the Blue Route and the trash-to-steam controversies.

Originally intended as a panel-discussion between Mr. Longstreth and fellow Councilman David Cohen – who vehemently opposes the trash to steam plan – Mr. Cohen unfortunately withdrew and declined to participate, leaving Mr. Longstreth on his own to sift through "... the ashes of the City's failed solid waste disposal initiatives. . ."

In Praise of the Specialists

An admitted non-technician, Councilman Longstreth paid respectful tribute to such great engineering professional as our own, the late Samuel S. Baxter (Philadelphia Section and National ASCE Past President) who, as Philadelphia Water Commissioner and Chief Engineer, developed the City's water supply and sewage treatment system which became a model national prototype for major cities. Mr. Longstreth abided by such expertise when, in the 1970s, at the request of then Mayor Frank Rizzo (against who he had previously waged a bitter political battle for the mayoralty), he chaired a special Committee – comprised mostly of engineers and scientists – to study and develop solutions to the coming inevitable trash disposal crisis. With ocean dumping prohibited, landfill space availability diminishing, open burning banned, the Committee faced an extremely complex responsibility to discharge.

Mr. Longstreth graciously acknowledge the superior technical ability of the scientists and engineers and his willingness to accept their conclusions at "face value" – a concept he described as analogous to the predictable destruction on Japan of the atomic bomb. The assurances of his experts of the minimal future risks of poisonous and harmful emissions from trash to steam conversion processes, even in crowded urban areas, were acceptable to him at face value. The strong minority constituency opposition (the NIMBY challenge – "Not In My Back Yard!") accents the terribly difficult decisions even courageous political figures face in making important decisions. No matter how well a project is designed, explained Mr. Longstreth, no matter how much sense it makes, it will not happen unless the body politic is willing to support it. Political self-interest of elected officials, it appears, must be served or effectively dealt with prior to implementation of any project, regardless of merit.

TECHNICAL GROUP ACTIVITIES

(Continued from Page 2)

and surrounding facilities for a number of years. He also provided insight into the present status of the future development of Air Rights to the north of the station over the 30th Street Station Coach Yard Trackage.

For reservation and information on future meetings, please contact **William T. Thomsen**, Chairman, Transportation and Urban Development Group, c/o Urban Engineers, Inc., 300 N. Third St., Phila., PA 19106 (215) 922-8080.

NOMINATIONS FOR OFFICE
1989 – 1990

In accordance with the Constitution and By-Laws of the Philadelphia Section, ASCE, the Nominating Committee appointed by President Susan K. Lior has submitted the following slate of nominees for elective office for the 1989-1990 administrative year:

President – **J. Richard Weggel** (one year)
First Vice President – **Francis J. Depman** (one year)
2nd Vice President – **Moustafa A. Gouda** (one year)
Treasurer – **Thomas J. Branigan** (two years)
Membership Secretary – **Joanne M. Anovick** (two years)
Director – **Patrick Cairo** (two years)
Director – **David L. Wismer** (two years)
Director – **William Richards** (two years)
Director for Reading Branch – to be announced (one year)

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

Secretary – **Robert M. Wright**
Director – **Timothy H. Haahs**
Director – **William T. Thomsen**
Director – **Alvin Zion**

Past Presidents to serve on the Board of Directors:

Albert M. Tantara (one year remaining)
Norman G. Weintraub (two years remaining)
Susan K. Lior (three years)

If no additional nominees have been submitted to the President in accordance with the Section's Constitution and By-Laws by April 1, 1989, the above slate of nominees shall be declared elected at that time, and will be installed at the Sections' Annual Dinner Dance at Parke Towne Place (Colleen's) on Saturday evening, June 3, 1989.

Members of the Nominating Committee are: **Norman G. Weintraub**, Chairman; **John E. Durrant**, **Susan K. Lior**, **Sidney Robin**, **Joseph R. Syrnick**.

The Majority Favored Trash to Steam

In spite of the vociferous minority objection, a poll revealed that 70% of Philadelphians favored the conversion project. Every aspect which Councilman Longstreth investigated, in addition to the advice of his experts, was that the project was safe. But the fears of the opponents have prevailed thus far, and they refuse to budge. Mayor

(Continued on Page 4)

February Meeting

(Continued from Page 3)

Rizzo and his successor, Mayor William Green, agreed with the Committee recommendations; but "war" burst forth over the issue between a recalcitrant city Council and the mayors. The present mayor, W. Wilson Goode, has also been stymied in getting the project approved. In Councilman Longstreth's opinion, the roots of the present predicament can be traced to the Abscam caper which eventually toppled the presidency of one of Council's strongest and most effective individuals, George X. Schwartz. Internecine squabbling among Council members followed over the conversion plan and has continued to this day.

The Green Administration even sent to the leaders and the other members of the fragmented City Council legislation to purchase a large landfill in Chester County, a strategy which would have provided the City with a low-cost 20-year solid waste disposal facility. But the tenaciously obstinate Councilman Cohen spearheaded a drive to withhold the necessary legislation in the Rules Committee which he chairs, preventing a vote.

Thus, the City lost the opportunity to acquire the landfill. Mayor Green then proposed building the trash to steam conversion plant originally recommended by Councilman Longstreth's Committee and endorsed by the Rizzo Administration. Councilman Cohen, as Mr. Longstreth phrased it "... was philosophically opposed to the project." Cohen and several of his Council cohorts generated enough controversy on the proposal to kill the legislation in the Rules Committee, including into the present Goode Administration.

Councilman Longstreth regretted Mr. Cohen's non-appearance at the Section meeting, commenting that a discussion between the two would have provided greater insight into their opposing views of the issue. He counselled his audience that critical problems are addressed only when the inevitable crisis is at one's doorstep. Human nature dictates that those "agin'" are more influential than the "pro's" and "don't cares". The sad *quid pro quo* of politics governs in most cases. "... I'll vote for it if something's in it for my constituents and me, i.e., jobs, local improvements, etc."

Questions and Responses

Penetrating comments and questions from the floor, and Mr. Longstreth's unwavering responses, addressed the critical trash to steam issue, particularly comparisons with the proposed solutions of surrounding counties; and Philadelphia's relationship with and attitudes toward a regional approach to the severe problem. When asked whether trash to steam is dead in Philadelphia, Councilman Longstreth replied, "... the only thing that can kill it for sure would be if the surrounding counties build five or six units with the capacity to handle the entire region's solid waste. . .", an unlikely scenario.

More likely, however, is that the time will come when the situation becomes so bad, when the public outcry becomes so strident, it will be a greater political liability to vote against trash to stem than to vote for it. Such an evolution has obtained in other great projects in the past, that were stymied until the reality of the need penetrated the public psyche.

SECTION HOSTS ZONE 1 CONFERENCE

The Philadelphia Section hosted the National ASCE Zone 1 Caucus and Management Conference; and Student Chapters Leaders Workshop, at The Wyndham (Franklin Plaza) Hotel on February 2-3, 1989. The Conference was sponsored by the National ASCE Committee on Sections and District Councils. Its objective, in addition to electing a National Vice President for Zone 1, provided a forum for the interchange of ideas and information of vital concern to National and Local Sections ASCE. It was also a great learning experience about the dynamic ASCE system, available resources and opportunities.

Philadelphia Section representatives at the Conference were: President Susan K. Lior; Vice President Frank Depman; William T. Thomsen, Chairman, Transportation and Urban Development Group; and Past President Norman G. Weintraub. They gave brief talks, as did other Zone 1 Local Section representatives, on subjects of mutual Local Section, Branch and District Council interest.

An election was held for Zone 1 National Vice President to succeed Jerry Speitel next year. According to the District rotation policy, the Vice Presidential candidate was from District 5. He is Neil FitzSimons, who was elected.

Student Chapters Leaders Workshop

An ASCE Student Chapter Leaders Workshop was also held at the Conference, attended by Zone 1 Student Chapter officers, Contact Members, and Faculty Advisors - to discuss problems and exchange ideas. Of the 57 Civil Engineering Schools invited, the following 26 attended: Carnegie-Mellon University; Clarkson University; Cornell University; University of Delaware; University of the District of Columbia; Drexel University; Howard University; Johns Hopkins University; University of Lowell; Manhattan College; University of Maryland; University of Massachusetts; Merrimack College; New England College; University of New Hampshire; City College-City College of New York; Northeastern University; Norwich University; University of Pittsburgh; Rensselaer Polytechnic Institute; Stevens Institute of Technology; Tufts University; United States Military Academy; and Villanova University.

A feature of the Conference was a reception of February 2nd, arranged by Norm Weintraub, featuring cocktails and *hors d'oeuvres*. The party received financial support from the following firms: J.E. Brenneman, Inc., Kaufman Construction Co., Lippincott Engineering Co., Pennoni Associates, Inc., Urban Engineers, Inc., and Roy F. Weston, Inc.

Councilman Longstreth's tangential stories, anecdotes and witticisms thoroughly engaged his audience. It was a marvelous talk... but that's par for the course for Thacher Longstreth.

At the conclusion of his presentation, President Susan K. Lior presented our speaker the Section's Certificate of Appreciation. He sealed it with a kiss on Sue's cheek. "It's Valentine's Day, isn't it!" rationalized our affable guest.

ACI SEMINAR ON AVOIDING FAILURES

The Delaware Valley Chapter of the American Concrete Institute (ACI) will sponsor a one-day seminar **March 8, 1989** at the Holiday Inn City Line, 4100 Presidential Blvd., Bala-Cynwyd, PA (215) 477-0200.

"Avoiding Failures in Concrete Construction"

Designers, general contractors, concrete contractors, owners and ready mixed concrete suppliers will benefit from the experience of nationally prominent presenters as they discuss how to "Avoid Failures in Concrete Construction."

Topics to be included are: Design Office Practices, Structural Design & Material Deficiencies, Formwork & Shoring Problems, Faulty Erection & Improper Handling, Failure Investigative Techniques—Causes & Solutions, Lack of Inspection & Inadequate Supervision.

For more information write: **Helmuth Wilden, P.E., H. Wilden & Associates, Inc., 315 East Main St., Macungie, PA 18062.** Or call and ask for brochure: (215) 966-3935.

FRANKFORD EL RECONSTRUCTION CITED

The 1988 Delaware Valley Outstanding Engineering Achievement Award, presented annually by The Engineering Societies in the Delaware Valley, named the **The Frankford Elevated Reconstruction Project** as the recipient. The award was made to the Southeastern Pennsylvania Transportation Authority (SEPTA) at a recent ceremony by the Philadelphia Chapter, Pennsylvania Society of Professional Engineers.

Cited as a tribute to the people who made it happen, the Reconstruction Project is an example of the team effort required to rebuild a transit system without disrupting service on the existing system. The Frankford Elevated Reconstruction Project is the first structural project of its type to be accomplished in the United States while maintaining transit operations for a commuting public of 100,000 riders per day.

This great project was the subject of the October, 1988 meeting of the Philadelphia Section, ASCE (See the November issue of THE NEWS for a report).

United Engineers and Constructors was awarded the 1988 Notable Engineering Achievement Award, at the same ceremony, for the Engineering Design of The Continuous Cold Mill Facility, constructed in New Carlisle, Indiana.

HURRY!

Return your nomination forms for
**The Phila. Section, ASCE
ANNUAL CIVIL ENGINEERING
AWARDS.**

See the February, 1989 issue
of THE NEWS for details and
nomination forms.

**AMERICAN SOCIETY OF
CIVIL ENGINEERS
SPRING PICNIC
Saturday, May 20, 1989**

- ☐ Yes, we will have a volleyball team.*

Company _____

Address _____

Contact Person _____

Telephone # _____

*There will be a nominal entrance fee.

- ☐ Yes, I would like to help and be a part of the 75th Celebrating Committee. I can help with:

- ☐ Fundraising
☐ Refereeing volleyball games
☐ Publication
☐ Other _____

Name _____

Company _____

Telephone # _____

Mail or Call:

Timothy H. Haahs, Chairman
c/o WALKER Parking
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Philadelphia, PA 19102
(215) 751-9555 (work)
(215) 836-5142 (home)

**PHILA. SECTION, ASCE
75th ANNIVERSARY**



ALL DAY SPRING PICNIC

The Beat is on. The Barbecue will be grilling. Competition will be high, and magic will be in the air! There will be fun for you, your spouse, your kids and friends — fun for "all in the family!"

DATE: SATURDAY, MAY 20, 1989

TIME: 11:00 - 7:00

FOOD SERVED: 12:00 - 5:00

PLACE: BRANDYWINE PICNIC PARK

Routes 52 and 100 / 690 Creek Road
West Chester, PA 19382

Among many fun-filled events, the volleyball games will highlight the competition among companies and schools. As of now the following teams have committed to participate:

Turner Construction Company
Pennoni Associates, Inc.
Lippincott Engineering Associates
Roy F. Weston, Inc.
WALKER Parking Consultants/Engineers, Inc.
United Engineers
Urban Engineers, Inc.
Christakis & Kachele, Inc.
Hearly & Long Concrete Contractor
Department of Streets, City of Philadelphia
Water Department, City of Philadelphia
Drexel University

Please fill out an information sheet as outlined and mail to 75th Anniversary Committee Chairman **Timothy H. Haahs** as directed.

ASCE 75th ANNIVERSARY PICNIC

*The never to be forgotten picnic...
You can't ask for more than this!*

Situated on the banks of the Brandywine River, Brandywine
Picnic Park offers an unequaled sight of natural beauty for

THE ULTIMATE PICNIC

ASCE 75th ANNIVERSARY

Land Sports

Volleyball
Softball
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Canoes
Rowboats
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Swimming

Park

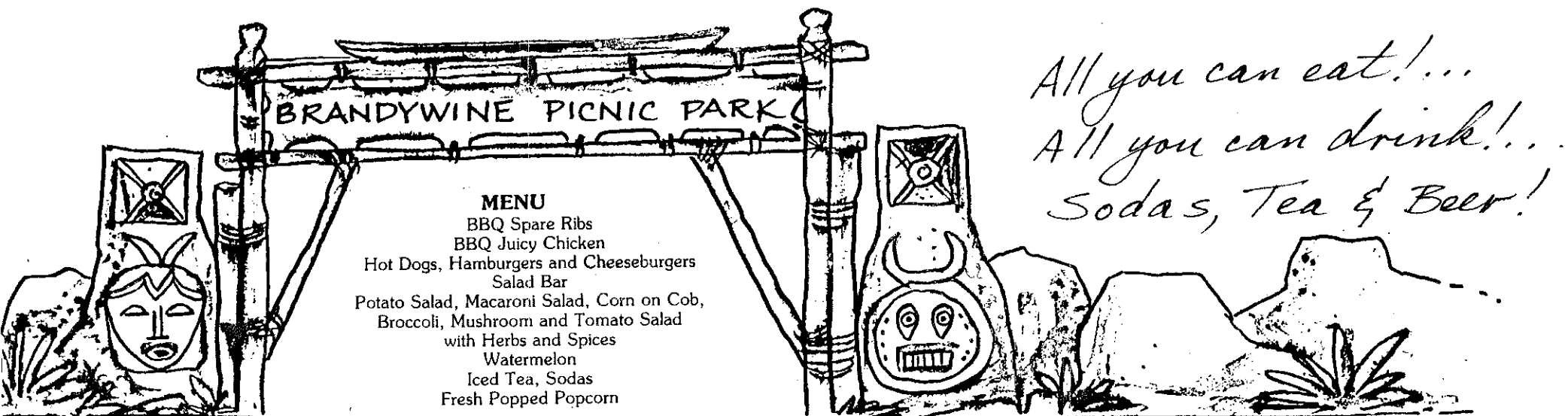
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Picnic Tables
Parking Lots
Parking Attendants
Fishing
Miniature Golf
Music
Paging
Tenting

Children's Games

Swings
Petting Zoo
Play Yard
Bounce-a-bout
Crab Ball
Mini Petting Zoo
(Rabbits, etc.)

Game Room

Billiards
Table Tennis
Table Soccer



MENU

BBQ Spare Ribs
BBQ Juicy Chicken
Hot Dogs, Hamburgers and Cheeseburgers
Salad Bar
Potato Salad, Macaroni Salad, Corn on Cob,
Broccoli, Mushroom and Tomato Salad
with Herbs and Spices
Watermelon
Iced Tea, Sodas
Fresh Popped Popcorn

*All you can eat!...
All you can drink!...
Sodas, Tea & Beer!*