

# the news



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PHILADELPHIA SECTION  
**AMERICAN SOCIETY OF CIVIL ENGINEERS**  
1317 Spruce Street, Philadelphia, Pa. 19107

VOL. 54 - 4

OUR 69th YEAR

January, 1982

Philadelphia Section, American Society of Civil Engineers

## **JANUARY DINNER MEETING**

**TUESDAY, JANUARY 12, 1982**

Engineers' Club, 1317 Spruce Street, Philadelphia

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

**JOINT MEETING WITH THE WOMEN'S AUXILIARY**

**SUBJECT:**

**"HAZARDOUS WASTE MANAGEMENT"**

**SPEAKER:**

**GARY R. GALIDA**, Chief, Division of Hazardous Waste, Bureau of Solid Waste Management, Dept. of Environmental Resources, Commonwealth of Penna.

Mr. Galida's presentation will include: Pennsylvania's program for the control waste; the siting of hazardous waste facilities - public opposition.

**SPECIAL FEATURE:**

**DREXEL UNIVERSITY NIGHT**

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

Philadelphia Section, American Society of Civil Engineers

## **FEBRUARY DINNER MEETING**

**TUESDAY, FEBRUARY 9, 1982**

Engineers' Club, 1317 Spruce Street, Philadelphia

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

**SUBJECT:**

**"COMPUTERS AND THE CIVIL ENGINEER"**

**SPEAKER:**

**BRUCE W. MADDOCK**, Marketing Manager, Scientific Processing, Major Systems, Worldwide Marketing, Sperry Univac Corp., Blue Bell, PA

The presentation will review historical milestones during the past 35 years and will attempt to extrapolate some projections of future technology and engineering practice.

**SPECIAL FEATURE:**

**SWARTHMORE COLLEGE, UNIVERSITY OF DELAWARE AND PRINCETON UNIVERSITY NIGHT**

The ASCE Student Chapters, Faculty and Alumni of the Civil Engineering Departments of Swarthmore College, University of Delaware and Princeton University will be honored at this meeting. All students, faculty and alumni are cordially invited to attend.

Please call Mr. deKovacs at the Engineers' Club immediately (215 735-5234), for reservations.

**STUDENTS** — Plan to attend for Dinner (Half Price) or meeting after Dinner.

## **TECHNICAL GROUP ACTIVITIES**

### **Geotechnical**

#### **January Meeting**

Date: **Tuesday, January 19, 1982**

Engineers' Club — 7:00 p.m.

Subject: **Nuclear Waste Disposal in Geologic Repositories**

Speaker: **Dr. Dana Isherwood**, Project Leader, Earth Sciences Division, Lawrence Livermore National Laboratory, Livermore, California

Program Host: **Dr. Ziyad I. Husami**, Chairman, Geotechnical Group

Deep geologic repositories are being widely studied as the most favored method of disposal of nuclear waste. Repository sites in salt, basalt, granite and tuff are being sought that are geologically and hydrologically suitable.

Dr. Isherwood received a B.S. in Chemistry at San Francisco State University in 1964 and a Ph.D. in Geology at the University of Colorado in 1975. He is employed at the Lawrence Livermore National Laboratory (LLNL) as a geochemist and is currently the Project Leader for LLNL's radio-nuclide migration studies in fractured rock at the Nevada Test Site.

#### **February Meeting**

Date: **Tuesday, February 16, 1982**

Engineers' Club — 7:00 p.m.

Subject: **Hydrogeologic Aspects of Hazardous Waste Disposal**

Speaker: **John B. Robertson**, Chief, Office of Hazardous Waste Hydrology, U. S. Geological Survey, Water Resources Division, Reston, Virginia

Program Host: **Dr. Ziyad I. Husami**, Chairman, Geotechnical Group

Groundwater contamination problems resulting from hazardous waste sites such as Love Canal, New York, have

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## IMPORTANT!! 1981 - 1982 Meeting Notices

THE NEWS is now being mailed at Non-Profit Organization Bulk Rate. While this promises postage savings to the Section, it also runs the risk of much longer delivery time from your local post office to your mail box. Therefore, please refer to your 1981 - 1982 Section Meeting Program Schedule and mark your calendar for all meetings and social functions. Listed below is a summary of remaining meeting dates.

**Tuesday, March 9, 1982** — Section Dinner Meeting, Engineers' Club  
 Subject: "Interstate Success Story" (Baltimore Urban Development)  
 Speaker: **William Helman**, Chief, Interstate Division of Baltimore City  
 Arranged by Transportation and Urban Development Group  
 University of Pennsylvania Night

**Tuesday, April 13, 1982** — Joint Dinner Meeting with Philadelphia Post, Society of American Military Engineers (SAME), Engineers' Club  
 Subject: "Construction of Trident Submarine Base, Puget Sound"  
 Speaker: **Capt. William G. Connor**, USN, Officer in Charge  
 Widener College and Spring Garden College Night

**Saturday, May 1, 1982** — Annual Spring Social  
 Engineers' Club, Philadelphia, PA

## TECHNICAL GROUP ACTIVITIES (continued from page 1)

become increasingly apparent in the past decade. The increase in these problems is due partly to the increased diversity, toxicity, and quantity of wastes produced over the past several decades. Although there are some 7,000 known hazardous waste sites in the United States, they do not pose as big a problem to ground-water quality as the 400,000 municipal landfills, liquid waste impoundments, millions of septic tanks and other contamination sources. Less than 2 percent of our potable groundwater resource appears to be contaminated at present, but the contamination is concentrated in populated areas where demand for good water is highest.

Mr. Robertson's principal professional interests are in the quantitative analysis and treatment of groundwater contamination problems, and modeling the transport of radio-nuclides and other contaminants in groundwater. His professional experience includes extensive research work in these areas.

—O—

### Hydraulics and Sanitary January Meeting

Sponsoring Main Section Meeting  
**Tuesday, January 12, 1982. See page 1.**

### February Meeting

Date: **Wednesday February 17, 1982**  
 Luncheon: **12:30 p.m.**—Engineers' Club  
 Meeting: **1:00 p.m.** Ending **1:30 p.m.**  
 Subject: **Hydrolytically Assisted  
 Activated Sludge**

Speaker: **Dr. Anthony F. Gauzy, Jr.**,  
 Chairman, Department of Civil Engineering,  
 H. Rodney Sharp, Professor,  
 University of Delaware

Program Host: **Dana R. Pizarro**,  
 Chairman, Hydraulics and Sanitary

Pilot plant studies indicate that a unique modification in the extended aeration activated sludge process increases the treatment capabilities of this process. Potential advantages include greater process stability, treatment of wastewaters containing solvents and high levels of inorganic matter or toxic chemicals, and elimination of the need to dispose of excess sludge by combustion, landfilling or digestion. An indepth discussion of this new concept in the activated sludge process will be presented. Applications and economics of the process will be discussed.

—O—

### Transportation and Urban Development

Date: **Tuesday, January 26, 1982**  
 Engineers' Club—Cocktails **5:30 p.m.**  
 Dinner **6:30 p.m.** Meeting **7:30 p.m.**

Subject: **Planning for Completion of the  
 Interstate Program in Philadelphia**

Speaker: **Harvey Haack**, Deputy Secretary,  
 Planning, PA Department of Transportation

Program Host: **David Novick**, Chairman,  
 Transportation and Urban Development Group

For dinner and meeting reservations please call **Ann Marie Collins** (at Mr. Novick's office) **(215) 988-0696.**

## ACI SEMINAR ON PARKING STRUCTURES

The Delaware Valley Chapter, American Concrete Institute and the Philadelphia Section, ASCE, are cosponsors of a Seminar on Concrete Parking Structures, to be held on **Wednesday, February 17, 1982**, at the Philadelphia Marriott Hotel, City Avenue and Monument Road, Philadelphia.

This is a problem-solving seminar to guide participants through the various stages of design, construction, maintenance and repair of concrete parking structures. A panel of experts will advise as to the causes and prevention of problems uniquely related to these structures.

For full particulars and reservation information please contact **Michael Boyle** Secretary of ACI, at **(215) 688-8517.**

## PHILA. SECTION, ASCE OFFICERS 1981 - 1982

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**SEND COPY TO:**

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 64 Nancy Drive  
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**COPY DEADLINE FOR  
 FEBRUARY, 1982 ISSUE  
 JANUARY 12, 1982**

## SECTION MEMBERS ON ENGINEERS' WEEK COMMITTEES

Phila. Section, ASCE Past President **Dr. Robert M. Koerner**, professor of Civil Engineering at Drexel University and a private consultant in geotechnical and particulate materials fields, has been named General Chairman for the 1982 Engineers' Week observance in Delaware Valley.

Dr. Koerner, who resides in Springfield, Delaware County, was honored as the **1981 Engineer of the Year in Delaware Valley** and cited for his distinguished teaching and contributions through applied research.

His appointment was announced by Richard A. Mulford, President of the Philadelphia Chapter, Pennsylvania Society of Professional Engineers.

Also announced was the appointment of **Norman G. Weintraub**, of the Philadelphia Water Department, as one of two Vice Chairmen of Engineers' Week.

The 1982 observance will be held February 19 - 27 in conjunction with National Engineers' Week, which will focus attention on the theme "Engineering: Pioneering America's Revitalization." Some 50 engineering, scientific and Technical Societies sponsor the observance in Delaware Valley.

The local observance will include a career day for high school students, science teachers' workshop, a competition among college engineering students for the best papers on the 1982 National Engineers' Week theme, awards for outstanding achievements in Delaware Valley, and election of an Engineer of the Year.

Mulford also announced the appointment of Sub-Committee chairmen and members serving on the Career Day and Science Teachers' Workshop Committee are **Dr. Richard Woodring** of Erdenheim, and **Joseph W. Krulikowski**, of Holmesburg, **Lt. Col. Victor A. Marcus**, of Cherry Hill, NJ is College and University Liaison; **Leo F. O'Connor**, of Havertown, Outstanding Engineering Achievement Awards; **John J. Gillespie**, of Aston Township, Printed Programs; **Will M. Heiser**, (a Past President of the Phila. Section) of Chalfont, is in charge of arrangements for the Pennjerdel Council Luncheon held annually to honor the Engineer of the Year.

The Phila. Section, ASCE is an active participant in the Annual Engineers' Week and contributes to the General Committee to help finance the many activities. Future issues of THE NEWS will include details of the February, 1982 events.

## NOVICK CHAIRMAN OF T. & U. D. GROUP



David Novick

Mr. Novick has joined Parsons Brinckerhoff Quade & Douglas, Inc. as a Project Director of Philadelphia Transit Consultants, a joint venture of PBQ & D and Sverdrup & Parcel, Inc., formed for design engineering services for the Frankford Elevated Reconstruction Project, Philadelphia.

Novick had been Executive Vice President of Lester B. Knight & Associates, Chicago and previously was founder and President of Westenhoff and Novick, Inc., Consulting Engineers of Chicago and New York.

Dave is a past National Director, ASCE, District 8, and has been Chairman of ASCE's Committee on Publications and Services Overview. He is currently a member of the Task Committee on Engineering Education and represents ASCE as Vice Chairman of the Educational Affairs Council of the American Association of Engineering Societies.

The Phila. Section heartily welcomes this aggressive and dedicated new member and looks forward to a revival under his leadership of the almost defunct Transportation and Urban Development Group.

## PENNONI REPORTS ON NATIONAL BOARD

Phila. Section Past President, - now National ASCE District 4 Director - **Chuck Pennoni**, submitted a report to the Section's Board of Directors on a recent meeting of the ASCE National Board of Direction. Highlights of the report follow:

1. The 1982 District 4 Council Meeting will be held October 8 - 9, 1982 at Mechanicsburg, PA.
2. The matter of an increase in Local Section Allotment is under review by the Committee on Sections and Districts. Recommendations will be submitted to the Board of Direction.
3. Annual dues for the newly established Student Grade of ASCE Member-

## ASCE REGISTER AVAILABLE

District 4 National Director **Chuck Pennoni** advises the Philadelphia Section Membership that copies of the 1982 **Official ASCE National Register**, now in print, will soon be available, free of charge, to members who request them.

Address requests to **Carl Nelson, Director, Field Services, ASCE, 345 E. 47th St., New York, NY 10017**

ship has been set at \$5.00. This includes a subscription to CIVIL ENGINEERING Magazine and the ASCE NEWS monthly newsletter.

4. The Membership is directed to the November, 1981 issue of ASCE NEWS regarding National's action on the budget and Codes and Standards.

5. An Ad Hoc Committee, chaired by Past President Joseph Ward, has been established to study Society Organization, Service to Members, and the location of National Headquarters. Comments, good or bad, are invited of Phila. Section members, and may be sent to Mr. Pennoni or directly to Mr. Ward. (**C. R. Pennoni, c/o Pennoni Associates, Inc., 1911 Arch St., Phila., PA 19103 - (215) 561-0460**).

One area of deep concern is that of Staff's function, morale and efficiency. Goals, objectives, direction of resources, and priorities of the Society in these areas, are also of prime importance. ASCE belongs to you, the Membership. **Convey your thoughts to him, urges Director Pennoni.**

6. It is anticipated that the 1980/81 budget will produce a revenue surplus in excess of \$500,000. The proposed 1981/82 budget provides for additional surplus; so it is hoped that there will be no dues increase before 1985 or 1986.

7. **Don P. Reynolds** has officially retired from ASCE Staff after nearly 40 years of service. The popular official's latest position was Director of Policy, Planning and Public Affairs. He was duly recognized and rewarded by the Board of Direction for his dedication and innumerable contributions to ASCE.

8. ASCE President James R. Sims appointed Director Pennoni to the National Audit Committee.

9. A reminder - Mr. Pennoni urges the Sections, Branches, Technical Groups and Student Chapters of District 4 to invite him to their meetings. Chuck regards his involvement in Local affairs as "... an obligation of the District Director ..." I am **your** Representative to the National Board of Direction, and the Board's representative to the Membership.

## DECEMBER MEETING

### The O.M.B. and the Federal Budget

The Phila. Section December 9, 1981 Luncheon-Meeting featured as Principal Speaker the Assistant to the Director of Public Affairs of the Executive Office of the President, Office of Management and Budget, Washington, DC. **Ms. Robin Raborn**, the O.M.B. official, discussed: "The Federal Budget and its Effect on Engineering."

### Temple University Day

The spotlight of the meeting was directed upon the ASCE Student Club and the Civil Engineering Department of the Temple University College of Engineering Technology. Acting Dean of the College: **Dr. Frederick Higgins**, and Chairman of the Dept. of Civil Engineering: **Dr. Robert J. Stone**, thanked the Section for its courtesies, and reviewed the focal points of the objectives, directions and budgetary projections of the College in its two-year Associate Degree, and the new four-year B.S. Degree courses. The total engineering enrollment has grown to almost 1500, covering all areas of engineering technology specialties at the three campuses: the main school at Broad and Norris Sts.; Center City; and Ambler.

Temple's ASCE Student Club President **Kevin Gross** introduced 15 fellow students in attendance - male and female - of the 40-member Club, and summarized academic, social and athletic activities. Not unexpectedly, the monthly meetings of the Club place principal emphasis on construction projects.

### Ira Pierce Presents Ms. Raborn

Program Committee Advisor **Ira N. Pierce** introduced our distinguished speaker. It was through Mr. Pierce's diligent efforts that the Section was privileged to be host to Ms. Raborn at this splendid meeting.

Ms. Raborn's wit, charm and engaging personality won the audience almost immediately. She stressed President Reagan's determination to achieve his monetary goals: spending cuts; reduction - or elimination where advisable - of regulation; changes in tax rates; and a tight clamp on inflation. Notable successes have been achieved, she declared, including: the inflation rate has declined more than 3%; the market behavior of commodities associated with inflation is favorable, such as gold and silver prices, and the prime interest rate.

Ms. Raborn acknowledged that there

exists in the land a measurable degree of skepticism and cynicism regarding the probability of success of the Reagan program.

### The Fruitless Policies of the Past

Our speaker disparages past deficit budgeting as having become almost a way of life in government - out of control. Contrast this, she proclaimed, with private enterprise exercising monetary prudence, restraint and management efficiency to eliminate losses. Mr. Reagan's election was the American public's mandate for change. The power and policies of spending must be turned back to State and Local governments. The Administration is attempting to fulfill this caveat through two principal vehicles:

1. Bloc grants to States, cities and municipalities principally through State administrations.
2. Concentrated campaigns against fraud, waste and mismanagement.

Overseeing these crucial objectives would be the F.B.I., O.M.B., the Inspector General's Office, and other Federal investigative and auditing agencies, and inter-agency control mechanisms.

Ms. Raborn cited hundreds of indictments, convictions and cost recoveries on fraud and waste in government contracts. As a result, hundreds of millions of dollars have been recovered in debt collections.

### New Economic Approaches - Social Programs

Ms. Raborn discussed the conflicts between economic theories and pragmatic approaches in the battle against inflation. The exotic new paths, such as "indexing" tax brackets to rates of inflation, cast aside the old policies which have failed to reduce taxes, but in fact have increased them when the Federal taxes are added to State and Local assessments.

Ms. Raborn denies the spreading conception that "Reaganomics" is emasculating Social Programs. As a matter of fact, she informs, the current budget appropriations are considerably higher than predecessor Administrations for school lunches; Head Start; handicapped training and employment, minority education, including subsidation of black colleges; and many other programs. To complement these increases, the Administration has drastically cut such subsidies as Syn-Fuel research, and the like, because they disproportionately favor the giant producers such as Mobil Oil, etc.

Contrary to popular notion, insists Ms. Raborn, this is NOT a "Conservative Administration" content to maintain the status quo. Nothing is exempt from the closest examination and scrutiny to determine value and public benefit. She defends the Administration's stringent inspection of the Social Security System and entitlement programs, as well as the burgeoning jurisdictional powers of proliferating government agencies. To keep under control such bureaucratic demands is a difficult task, Ms. Raborn acknowledges, but "... it is made infinitely more difficult by legislators, Agency officials and Administration critics who sit by cowardly and proffer no alternatives or new initiatives. It is a challenge to be faced: if not us - who? If not now - when ...?"

### Question and Answer Period

Ms. Raborn invited questions and comments from the floor following her formal presentation. Several penetrating questions from the audience pointed to the main theme of the scheduled address in which Ms. Raborn admitted limited expertise: "What will be the effects of the Reagan Administration budgetary policies on Civil Engineering and Construction businesses?" Will private work fill the gap of Federal withdrawal?" Ms. Raborn responded that a successful, positive-producing economy is the quintessence of the success of private enterprise such as engineering and construction. This is the paramount objective of the Reagan Administration.

In reply to a question on the Administration's posture on Affirmative Action programs, particularly as they relate to Black and Hispanic and other minority-group professionals such as Consulting Engineers, Ms. Raborn stated that government policy is to encourage competition in the private sector, thus reducing Federal infringement in engineering design work, and thus expanding the field in which minority specialists can participate to better advantage.

Another inquiry: How could the government be a catalyst in stimulating growth in urban essentials such as mass transit research and development - as opposed to dependence on the private sector. The answer was that priorities in governmental participation in these pursuits must still prevail. Nevertheless, the government will not shirk its responsibility to be a catalyst in stimulating research in all urban development categories.

Only the constraints of time prevented

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**DECEMBER MEETING**

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more discussion of important issues. The Philadelphia Section is greatly indebted to Ms. Raborn for honoring it with her presence at this meeting and for her excellent talk.

President Roll presented Ms. Raborn the Section's Certificate of Appreciation and a copy of the 1976 Bicentennial ASCE Annual ASCE Convention Commemorative Book published by the Phila. Section: "The History of Civil Engineering and Construction in the Delaware Valley."

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**SECTION MEMBERSHIP  
ASSIGNMENT PREFERENCES**

A number of the area ASCE members have raised questions concerning their assignment to an ASCE Section. Section assignments are made on the basis of mailing addresses. If an ASCE member, for example, lives in New Jersey but works in Philadelphia he/she will be assigned by National to one of two Sections. If the ASCE member uses his/her home address for receiving mail, the Section assignment will be New Jersey. If the mailing address used, however, is the work address, the Section assignment will be Philadelphia.

For ASCE members who do not live or work in a region covered by the ASCE Section he/she would prefer to belong to, ASCE National will still make the Section Membership assignment based on mailing address. If membership in another Section is still desired, the member must personally contact the Section he/she is desirous of joining and pay Local Section dues. This procedure is discussed in the mailing package sent with the annual dues statement.

Any ASCE member may belong to as many Sections as he/she would like, but he/she must contact the Sections directly, with the sole exception being the Section assigned by National. Persons interested in membership in the Philadelphia Section should contact **Al Tantalà**, Section Secretary, at 289-4600.

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**BE A WATCHDOG!**

Every ASCE member should become a legislative watchdog. You are asked to pass to the Section any information on legislation of interest to civil engineers currently being introduced. Together we can better serve the public!

**NELSON IS SECTION GUEST**

The Philadelphia Section was honored at the December 9, 1981 Luncheon-Meeting by the attendance of **Carl E. Nelson**, National ASCE Director of Field Services. At the Board of Directors Meeting preceding the Main Section Meeting, Mr. Nelson discussed important National ASCE issues and programs of particular interest to Local Sections. Mr. Nelson extended National's highest compliments to the Philadelphia Section for its dynamic and widespread activities, with particular reference to the College Student Chapter recognitions at Section Meetings; and the progressive Technical Group programs and community involvements.

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**PLEASE PAY SECTION DUES!!**

When you pay the \$10.00 Phila. Section annual dues, you become a full Active Member and are eligible to reap the benefits of the many professional services and prestige which that classification provides.

In addition, your payment of Section dues significantly helps the Section in its ongoing search for revenues to finance its numerous and varied programs. National ASCE allots \$3.00 for each assigned member who pays the Philadelphia Section dues.

In a policy initiated in 1979 ASCE National Headquarters will include Philadelphia Section dues in its National billing. In this way, your one check will pay both National and Local Philadelphia Section dues. (National ASCE will reimburse the Phila. Section for the Local dues). **You will receive your bill from National ASCE, with appropriate instructions, shortly after October 1, 1981.** Please send your checks in promptly to National Headquarters in accordance with their instructions.

Another important function of the billing is for Phila. Section members to include their preferences for membership in Technical Groups @ \$1.00 annually per Group. The bill from National will include these choices. The total annual Phila. Section dues will therefore be \$10.00 plus \$1.00 per Technical Group membership.

**YOU NEED THE PHILADELPHIA SECTION, ASCE FOR YOUR PROFESSIONAL FULFILLMENT. THE SECTION NEEDS YOUR SUPPORT CONTINUOUSLY. IT ALSO THANKS YOU FOR YOUR PARTICIPATION AND COOPERATION IN ALL ITS PROGRAMS AND ACTIVITIES.**

**MAINTENANCE IS NEGLECTED  
AND CITIES DECAY**

**Editor's Note:** The following transcript is the second installment continuation of a penetrating Associated Press article which appeared recently in the Phila. Inquirer. The first section of the article appeared in the November, 1981 issue of THE NEWS.

Interviews with local officials around the country suggest that Proposition 13-type tax limits, inflation and soaring interest rates have put a near-impossible pricetag on keeping up city structures, and hampered the ability of local governments to raise capital through taxes or bonds.

Four federal agencies — the Departments of Commerce and of Housing and Urban Development (HUD), the General Accounting Office and the Farmers Home Administration — are conducting studies to determine the extent of the problems and what Washington ought to do.

The draft report on a HUD-sponsored study of 28 cities by the Urban Institute in Washington, and interviews with local officials, reveals the following picture:

**STREETS.** Federal statistics show that spending for highway and street construction nationwide dropped 47 percent between 1965 and 1977, from \$11.6 billion to \$6.1 billion, adjusted for inflation.

But since 1978, federal aid has been available for road maintenance, and the Urban Institute study found signs of improvement in Cincinnati, Atlanta, Columbia, S.C., and New Orleans, for example.

**Fair or poor shape**

Still, 90 percent of Newark's streets are in fair or poor shape, and it would cost \$200 million, or \$600 per person to repair them. In Hartford, Conn., local officials say 90 percent of that city's streets need repair or replacement.

Since 1973, street-maintenance forces have been cut by 27 percent in Cleveland, 33 percent in Newark and 37 percent in Oakland, Calif. The cuts would have been much greater if not for the federal jobs program.

Road maintenance is suffering in a number of states that use gasoline tax revenues for highway repairs because motorists are buying less fuel. Among them are Alabama, Indiana, Kansas, Maine, Minnesota, New Mexico, North Carolina, Oklahoma, Pennsylvania, Tennessee, Vermont and Wisconsin.

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## ASCE MEMBERSHIP CAMPAIGN

National Headquarters encourages Local Section "kickoff" programs to stimulate new memberships into ASCE. EACH PHILADELPHIA SECTION MEMBER IS URGED TO PROMOTE A POTENTIAL MEMBER.

The National Committee on Sections and District Councils is preparing a "REPORT" on each Section's Campaign progress from October 1 through December 31, 1981 - the first quarterly report. Let's make the Philadelphia Section Numero Uno in this and subsequent reports.

THE CAMPAIGN IS ON!!

## DESIGN FIRM OFFERS LEASE SPACE

Kenneth Parker Associates, Inc. is utilizing new areas of The Granary (just north of Logan Square), which will make up to 1,850 square feet of separate space available for lease. The interior design firm is looking for a tenant in a compatible field to occupy this unique, high ceilinged, airy, open space. Rental can include furnished or unfurnished office space, office maintenance, parking and shared facilities which include reception/waiting area, adjoining kitchen and restrooms.

Interested parties may contact Tom Ford at The Granary, 411 North 20th Street, Philadelphia, PA 19130, (215) 561-7700.

## MAINTENANCE IS NEGLECTED

(continued from page 5)

**WATER AND SEWER SYSTEMS.** Northeastern Organizations, a consortium representing government officials in 11 states, estimated in October that their states would need \$25 billion to modernize and expand water-supply systems, bring sewage treatment up to federal standards and complete other water projects.

Buffalo and Cleveland have the most serious problems. In Cleveland, where water-pressure problems have actually interrupted service at times, a state judge in 1978 ordered the city to relinquish control of the water works to a regional authority. In both cities, internal rusting in aging pipes has sharply cut water capacity.

Water leakage is also considered serious in Boston, St. Louis, Pittsburgh, Tulsa and Philadelphia.

The problems are worst in cities least able to afford routine maintenance. Since 1973, according to the institute, Buffalo has cut its maintenance work force by

## INTERNATIONAL FORMING CONFERENCE

A 2½-day international conference on integration of forming into the total building design and construction process will be held **November 8-10, 1982** at Marriott's Lincolnshire Resort in a suburb of Chicago. The conference will bring together experts from around the world to explain ways of improving the economies of forming concrete buildings.

The conference is being sponsored and organized by the Portland Cement Association, the National Ready Mixed Concrete Association, and the Concrete Reinforcing Steel Institute. In addition, a growing number of government agencies and industry groups, including 12 foreign cement and concrete associations, have volunteered to cosponsor the conference. They are assisting in planning the program and publicizing the conference here and abroad.

Cosponsors taking an active role in program planning are the American Concrete Institute, American Plywood Association, American Society of Civil Engineers, American Society for Concrete Construction, Building Design and Construction Magazine, National Association of Reinforcing Steel Contractors, and the Scaffolding, Shoring, and Forming Institute.

Agencies of the U. S. Government cooperating as cosponsors include the Department of Housing and Urban Development, National Bureau of Standards, Naval Facilities Engineering Command, and the Veterans Administration.

Overseas cosponsors include The Concrete Society (England), Cembureau (The European Cement Association), as well as cement and concrete associations or institutes in Argentina, Austria, England, Colombia, Germany, Italy, Mexico, Portugal, South Africa, and Switzerland.

Individuals who want their names placed on a list to receive registration information and a copy of the program are invited to contact **William C. Panarese**, Portland Cement Association, 5420 Old Orchard Road, Skokie, Illinois 60077, telephone (312) 966-6200.

42 percent, Seattle by 32 percent, Milwaukee by 25 percent, Hartford by 23 percent, Philadelphia by 22 percent and Newark by 21 percent.

Inadequate, aging sewer systems cause pollution and urban flooding. In San Francisco, up to 90 percent of the city's wastewater during storms goes untreated and fouls the bay and ocean. A new treatment system under consideration would cost \$1.93 billion.

## WOMEN'S AUXILIARY

### Christmas Party

The December Luncheon-Meeting of the Women's Auxiliary, Phila. Section, ASCE, was held at the Engineers' Club on Wednesday, December 16, 1981. It was the Annual Christmas Party, and was Chaired by **Annette (Mrs. Chuck) Pennoni**. As is the custom, business discussion was at an absolute minimum. A good turnout, in view of the bad weather, enjoyed the affair.

Pollyannas were exchanged and the Holiday spirit prevailed.

All Auxiliary members and their guests are cordially invited to attend future events.

There will be no Women's Auxiliary Luncheon-Meeting in January or February, 1982. The Auxiliary will join the Main Section, however, at the Tuesday, January 12, 1982 regular Section Dinner-Meeting at the Engineers' Club. See page one for details.

## TECHNICAL GROUP CHAIRMEN

### Technical Group Liaison

**William M. Malarkey**

(Section Vice President)

Urban Engineers, Inc.  
19th Street & Delancey Place  
Phila., PA 19103  
(215) 546-3222

### Construction/Structural Group

**James Robinson**, Chairman

United Engineers & Constructors, Inc.  
440 E. Swedesford Road  
P. O. Box 780  
Valley Forge, PA 19482  
(215) 964-1300, Ext. 281

### Geotechnical Group

**Dr. Ziyad I. Husami**, Chairman

Stone & Webster Engineering Corp.  
P. O. Box 5200  
Cherry Hill, NJ 08034  
(609) 482-3889

### Hydraulics & Sanitary Group

**Dana Pizarro**, Chairman

O'Brien & Gere Engineers  
1617 J. F. K. Blvd., Suite 1760  
Phila., PA 19103  
(215) 564-4282

### Transportation & Urban Development Group

**David Novick**, Chairman

Parsons Brinckerhoff Quade & Douglas, Inc., Engineers-Planners  
1500 Chestnut Street  
Phila., PA 19102  
(215) 988-0696