



# the news

PHILADELPHIA SECTION

AMERICAN SOCIETY OF CIVIL ENGINEERS

VOL. 48 - No. 3

Our 63rd Year

December, 1975

## DECEMBER MEETING

Philadelphia Section, American Society of Civil Engineers

Sponsored by the Associate Member Forum

**TUESDAY, DECEMBER 9, 1975**

Engineers' Club, 1317 Spruce Street, Philadelphia

Cocktails — 5:30

Dinner — 6:30

Meeting — 7:30

### SUBJECT:

**ENERGY, ECONOMY AND THE ENVIRONMENT**

### SPEAKER:

**BRIAN J. LEWIS, P.E.,**

Vice President — Client Services Division, Roy F. Weston, Inc.

### PROGRAM HOST:

**ERNEST G. BRIZELL, III, Chairman, Associate Member Forum**



Mr. Lewis' topic comes at an opportune time when all three elements of his presentation are of utmost importance to engineers and the nation. As Vice President Client Services Division for Roy F. Weston, Inc., international environmental consultants and designers, Mr. Lewis is daily involved with the implications and relationship of energy, economy and the environment.

Mr. Lewis joined Weston in 1973 as manager of the econENVIRONomics Division. He was appointed Vice President - Client Services in late 1974 and is responsible

for all relationships with current and potential Weston clients in industrial and government markets. Prior to joining Weston, Lewis was Founder and President of Lewis-Redford-Engineers, Inc., consulting civil engineers in Seattle, Washington.

In 1963, Lewis was named "One of Three Outstanding Young Men of Washington" by the Washington State Jaycees. In 1966, he was elected to the Washington State House of Representatives, and in 1968 to the Washington State Senate.

A graduate of the University of Durham, Great Britain with a B.Sc. in Civil Engineering, Lewis also holds a Graduate Certificate in Public Health Engineering from King's College, Newcastle-upon-Tyne, Great Britain and an M.S. in Engineering from UCLA.

Mr. Lewis is a member of numerous technical and professional societies. In August he was appointed to the Committee of Public Affairs and Legislation of the Member Activities Division of National ASCE Professional Activities Committee.

### SPECIAL FEATURE: "Widener College Night"

The ASCE Student Chapter and Civil Engineering Department of Widener will be featured. Faculty Advisor, Professor George N. Bathish and the Phila. Section invite C.E. faculty, alumni and students to attend.

### Free Beer and Refreshments at the Meeting

Mail Reservation Cards Immediately — Win a FREE DINNER!

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

## MEMBERS IN THE NEWS

### Damiano Speaks at Club

Distinguished Phila. Section member **David J. Damiano**, Phila. Commissioner of Streets, was a principal speaker at the Engineers' Club monthly luncheon November 18, 1975. His subject was "The Philadelphia Plan for Energy from Trash." Ellwood A. Clymer, Supervising Engineer, Philadelphia Electric Co., was the other speaker on this timely and important subject.

\*

### Julius Adler Keeps in Touch

Among the greetings and good wishes Editor Sid Robin received during his recent illness — a most treasured one is from **Julius Adler**, one of the most outstanding and highly respected members of the Philadelphia Section, ASCE. Mr. Adler, at age 88, is probably the eldest living Past President of the Section (1942-1943, just twenty years prior to Mr. Robin's incumbency in that office). He retired in 1926 as Deputy Chief of Highways, Philadelphia Department of Public Works. For many decades thereafter he maintained a private practice as a Consulting Engineer.

Those veteran Section members who remember this delightful, intelligent and talented man may reach Mr. Adler at his Germantown home — 5908 Devon Place, Phila. 19138 — GE 8-3638. He would be happy to chat or meet with them. If transportation could be arranged, he would attend some Section meetings.

Notice: If THE NEWS arrives late — or you forget to mail your dinner card — please call The Engineer's Club, PE 5-5234 and leave word for Mr. DeKovacs, Exec. Mgr., to reserve a dinner plate for you. Of course, you are welcome for the meeting later, if you are unable to have dinner. No reservation necessary.

## Holiday Greetings

On behalf of the Officers and Board of Directors of the Philadelphia Section, ASCE, the Editor and Staff of THE NEWS extends to all the members and their families their heartiest wishes for a very Merry Christmas, a Healthy and Happy New Year and a Joyous Holiday Season.

### NOVEMBER MEETING

November 11, 1975  
Engineers' Club

(Editor's Note: THE NEWS is indebted to David Farwell, Secretary of the U. of Pa., ASCE Student Chapter, for this excellent writeup.)

The Structural Technical Group was the host for the November meeting of the Philadelphia Section. Approximately 100 members and guests attended the meeting. It was "University of Pennsylvania Night" and a large group of more than 30 Penn students made a prominent presence.

#### Dr. Shore Explains Programs

Dr. Sidney Shore, Chairman of the Civil and Urban Engineering Department at the University of Pennsylvania, described two new programs in the curriculum at Penn. One was a thematic studies program for the undergraduate level; another was a new Master's Degree program.

Dr. John Keenan, the present faculty advisor to Pennsylvania's Student Chapter introduced the Student Chapter Officers, students and faculty members.

#### Dr. Roll Honored

Dr. Frederic Roll, as the past faculty advisor, was then presented with an Award of Appreciation by Dr. Koerner.

#### Mr. DeLony describes HAER

Dr. Roll introduced the meeting's guest speaker, Eric N. DeLony, Principal Architect, Historic American Engineering Record (HAER), National Park Service, U. S. Department of the Interior. Mr. DeLony in his work identifies historic engineering and technological monuments in the United States and records them for the National Archives of Civil Engineering. When the structure which is being recorded is in danger of destruction HAER will often try to save it by relocation. After describing a brief history of the development of Philadelphia as a major city rich in monumental engineering achievements, Mr. DeLony gave a slide presentation of some of the monuments which he has been recording in Philadelphia and environs.

The presentation started with the Gmueber Wagon Works, the first mechanized carriage building factory in the Pennsylvania Dutch country of Reading. This particular factory is in danger of being inundated by the Blue Marsh Reservoir created by an Army Corps of Engineers project damming the Schuylkill in Reading. HAER is going to remove the structure and reconstruct it in another site. Mr. DeLony then showed some of the first structures erected to cover the shipyards for the protection of the shipbuilders from the elements. Mr. DeLony also presented slides of various bridges on the Schuylkill and Wissahickon Rivers. The presentation included the Fairmount Water Works Building on the Schuylkill next to the Art Museum. The slides also covered the first municipal water distribution system for the city of Philadelphia located where City Hall now stands. The presentation concluded with slides of the Reading Station Terminal.

Following the slides Mr. DeLony entertained questions from the audience. In this question and answer period he explained that he was one of only four permanent staff members of HAER and thus HAER cannot record all the monuments that it would like. Mr. DeLony said that he is forced to concentrate on those structures which are in danger of destruction first.

At the conclusion of his talk, Mr. DeLony was presented with a Certificate of Appreciation by the Philadelphia Section.

The Section is grateful to Professor Roll and Mr. DeLony for programming an entertaining, educational and enlightening evening.

### BETHLEHEM C. E.'S AVAILABLE

Bethlehem Steel Corporation has announced on October 1, 1975 that it will be shutting down its Fabricated Steel Construction Division; releasing Home Office staff personnel and personnel at its four structural fabricating shops which are located at Pottstown, Bethlehem, Leetsdale, Pa.; and Torrance, California. It is expected that the phase

out will begin immediately and continue through 1976.

It is understood that some engineering and staff employees of F. S. C. will be reassigned to other divisions of the Corporation. However, a number of these employees will be seeking employment elsewhere.

F. S. C. engineers have always been a strong segment of ASCE in Sections and Branches throughout the country. They represent a large resource of qualified, experienced civil engineers. It is suggested that all Philadelphia Section Members responsible for employment reappraise their needs in light of this opportunity. Potential employers in the Philadelphia Section area, and in neighboring Sections as well, should send information concerning employment opportunities to W. J. Reusch, Manager of Management Development and Manpower Planning, Bethlehem Steel Corporation, Bethlehem, Pa. 18016 or contact any F. S. C. employee directly.

### PHILADELPHIA SECTION AMERICAN SOCIETY OF CIVIL ENGINEERS

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**SEND COPY TO:**  
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**COPY DEADLINE FOR  
JANUARY, 1976 ISSUE  
DECEMBER 20, 1975**

**TECHNICAL GROUP ACTIVITIES**

Hydraulics and Sanitary

Date: **Thursday, December 4, 1975**Luncheon Meeting, Engineers' Club—  
12:00 noonSubject: **International Wastewater  
Treatment**Speaker: **Carmen F. Guarino**, Commis-  
sioner of Water, City of Philadelphia  
Program Host: **Dr. Carl M. Koch**, Chair-  
man, Hydraulics and Sanitary Group

\*

**Structural**Date: **Thursday, December 11, 1975**Luncheon Meeting, Engineers' Club—  
12:00 noonSubject: **Fire, Concrete Structures, and  
Rational Design**Speaker: **Randall Cronin**, Eastern Re-  
gion Structural Engineer, Portland Ce-  
ment AssociationProgram Host: **Prof. Frederic Roll**  
Chairman, Structural Group

\*

**Transportation and Urban Development**Date: **Tuesday, December 16, 1975**Luncheon Meeting, Engineers' Club—  
12:00 noonSubject: **FHWA - UMTA Guidelines**Speaker: **Robert Hall**, Director of Plan-  
ning, Federal Highway Administration  
Harrisburg, Pa.Program Host: **Louis W. Petula**,  
Chairman, T & UD Group**A TRIBUTE TO MR. deKOVACS***Editor's Note: Reprinted herewith is  
the text of a recent letter to Mr. Houston  
R. Passon, President of the Engineers'  
Club, by Section President Koerner.*

Dear Mr. Paxton:

In a time when every officer of every organization receives considerable correspondence of a negative nature, we thought it timely to write a brief letter regarding positive actions.

During the recent past, we the Board of Directors and Officers of the Philadelphia Section ASCE (and many of its members), have noted an air of efficiency, interest, and helpfulness in regard to our ASCE programs at the Engineers' Club. Furthermore, we feel that this positive impact has been due in large measure to your Executive Manager, **Mr. Jozsef L. deKovacs**. Thus, we wish to thank you, and specifically Mr. deKovacs, for this excellent cooperative effort and look forward to working together in our continuing future programs.

On behalf of the Board of Directors,  
Officers and Members of the ASCE

Very truly yours,

Robert M. Koerner

President

Philadelphia Section, ASCE

**FALL SOCIAL A SUCCESS**

The Women's Auxiliary did it again. The Square Dance once again proved to be a delightful affair. One would imagine that it was one of the liveliest affairs held at the Engineers' Club as even the Club staff felt compelled to swing along to the catchy music and precise instructions of veteran caller Vernon Wersler.

As expected, the goodies—beef 'n beer, pastries, and coffee—were plentiful and many of the guests took home door prizes. "Mr. Lucky" (you know who you are) again won the basket of cheer. This probably indicates that he bought more chances than most.

Proceeds from this affair go to the Annette Estrata Scholarship Fund which provides tuition assistance to Civil Engineering students in area colleges.

**CONVENTION FINANCES**

As you know, the host Section is responsible for certain expenses associated with a National Convention. The major fund raising tool utilized by the Phila. Section will be a publication entitled, "History of Engineering and Construction in the Delaware Valley", in which engineering firms will be able to have a history of their firm published.

Individual Section members have been approached by John Gallen, who is coordinating this book for the purpose of participating in this effort. A \$10.00 contribution will entitle a member to have his name listed as a patron; a \$25.00 contribution would entitle a member to a sponsor listing and a copy of the memorial publication; a \$35.00 contribution will reserve space for a member's professional card and a copy of the publication.

Dean Gallen reports that the response, has been generally favorable. You may still contribute by sending your contribution to Dean Gallen, 643 Lawson Avenue, Havertown, Pennsylvania 19083.

We will attempt to get an accurate status report of the returns for the next issue of THE NEWS. Thank you for your support.

**THE MYTH IS ANNIHILATED**

Joe Syrnick and the competent Staff writers, generously advised and guided by the printer, William B. Graf & Sons, have given your old Editor his comeuppance. They have destroyed the decades-long legend of one man's indispensability in the monthly production of THE NEWS. The splendid November, 1975 issue bears witness to this brutal reality.

I am elated that these priceless individuals came to my rescue... But I am also disallusioned and demolished! Why did they have to do such a good job? What will the younger members of the Section and the progressive-minded leaders of the Student Chapters now think of the invincibility of their dethroned hero?

And—zonks! Even my own wife became a party to the Syrnick conspiracy by assisting in the preparation of biographical material for the Profile which was published behind my back. I know not where to turn! Whom can I trust if not my own wife?

In retaliation, I herewith exercise the irrefutable right within the executive privilege of my constitutional powers: effective immediately, I hereby openly, publicly and notoriously appoint **Joseph R. Syrnick, Assistant Chairman of Publications and Associate Editor of THE NEWS**. With magnificent reluctance, I congratulate him for the outstanding job in putting together in toto his first full issue of THE NEWS.

To our many dear friends in the Philadelphia Section, Betty (Mrs. Robin) and I extend our deepest gratitude and appreciation for the thoughtful and encouraging messages, the gifts and visits to the hospital during my recent illness. The beautiful floral bouquet sent by Ted Davis on behalf of the Membership was particularly touching.

God bless you all!

Sid Robin

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## "COUNTDOWN TO CONVENTION"

The 1976 ASCE  
National Convention  
and Exposition

September 27 - October 1, 1976

Sheraton Hotel, Philadelphia, Penna.

Theme: "American Civil Engineering —  
A Bicentennial of Public Service"

As a special feature of the 1976 Convention, the Student Chapter Committee, in cooperation with the University of Pennsylvania, has arranged to schedule the Annual Concrete Canoe Race for Saturday, October 2, 1976. The canoe race will, in effect, be an extension of the Student Day activities which are scheduled for Friday, October 1st. The Committee is hopeful that many convention registrants, both member and students, will stay in town to view and participate in this exciting event.

Several Philadelphia Section members have recently returned from the Denver Convention and report an attendance figure of 3100 (by far the largest turnout ever). The consensus was that the Denver folks did a terrific job and that most of the attendees were impressed with the arrangements. We hope that people will be saying the same thing this time next year, about the Philadelphia Convention.

## CONSTRUCTION CAREER DAY

The highly successful 15th Annual Construction Career Day was held on Saturday, November 1, 1975 at Drexel University. The Career Day is sponsored by AIA, PSPE, ASCE and GBCA. Attending were 400 area junior and high school students many of whom were accompanied by their parents.

The Program consisted of a film: A Career in the Building Profession, a slide presentation and a panel discussion. There were also many exhibits on career opportunities. After the conference, the

guests were invited to the Penn-Harvard football game.

Participating in the Program for ASCE were Lee Mayweather and Robert Wallace of the University of Pennsylvania Student Chapter as well as Larry Adams, Bob Chester and Walter Clark of the Philadelphia Section ASCE.

## SECTION OFFERS MANAGEMENT PROGRAM

The Philadelphia Section, ASCE Continuing Education Committee, Allan R. Ritchie, Chairman, announces an 11-week, 33-hour management for engineers in executive development program which will begin on Thursday evening, February 19, 1976. The purpose of the program is to make the engineer aware of the most modern concepts of management science as well as the most current theories of human behavior and organizational development.

Experts from industry and academe in the Delaware Valley will conduct the program. Course methodology will include lectures, group problem solving, and group discussions. 3.3 Continuing Education Units (CEUs) will be granted for completion of the program.

The eleven topics are:

1. Leadership
2. Organizational Development
3. Project Management
4. Effective Cost and Project Control Techniques
5. Time Management
6. Decision-Making
7. Planning for the Engineering Firm
8. Transactional Analysis
9. Management by Objectives
10. Human Relations
11. Conducting the Effective Meeting or Conference

Cost of the program will be \$150.00. Deadline for registration and payment of fee will be Friday, February 6, 1976. Because of the emphasis on personal involvement and group discussion, enrollment will be limited to 35 participants.

Brochures listing course content and the names of the speakers will be sent to each ASCE member shortly.

For advance registration, make checks payable to ASCE, Philadelphia Chapter, include name, address, business address, and telephone number and send to: Dr. Louis S. Malfara, Director, Executive Development Program, ASCE, Philadelphia Chapter, 428 Chandler Street, Philadelphia, Pennsylvania 19111.

Associate Members Shine

## WHO ARE THOSE GUYS?

You've probably noticed the motley crew who comprise the Meetings Committee. They're the guys who cause those long lines outside the meeting room each month by insisting that you pay for dinner. You'd think they'd let you slide once in awhile. Well anyway, we thought you might like to know something about them so here goes:

**Bill Malarkey** is chairman of the Meetings Committee. Bill is a Villanova grad who is employed as a bridge designer for PennDOT. Bill is the Vice-Chairman of the Associate Member Forum and a sports enthusiast. We understand that he is the star second baseman on the Bridge Unit's champion softball team. Bill and his wife Maureen live in West Chester.

**Norm Weintraub** is again our hospitality honcho. As an engineering supervisor in the Philadelphia Water Department, Norm is responsible for the design of much of Philadelphia's water distribution system. Norm is a graduate of Lehigh University and has done graduate work at both Drexel and Villanova.

**Bob Showalter** is a design engineer for A. W. Martin Associates. In this capacity he serves as township engineer for Skippack and Warrington townships and has worked on a variety of design projects. He is a Villanova graduate and reportedly holds the school record for most consecutive days wearing the same jacket to class. Bob, wife Mary Ann, and son Christopher live in Norristown.

**Bob Collins** rounds out the meetings committee. Bob also is a Villanova grad (BS '62; MS '66). He is Executive Vice President of Valley Forge Laboratories, and as such has been the principal investigator on a FHWA study which is looking into the availability of mining wastes and their potential use as highway aggregate. Bob was previously employed by the Sun Oil Company and

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## LEGISLATIVE CORNER

by John E. Spitko

### Support Urged for Flood Disaster Act

Senate Bill SB 1, the "Pennsylvania Flood-Disaster Prevention Act", was passed early in June by a large majority in the State Senate. Guy M. Page, Chairman of the District 4 Task Force on Flood Plain Development, has reported that the bill is now undergoing "heavy weather" on its course through the legislature and may be in danger.

Guy Page has provided us with some background on this bill. The Act would coordinate state policy with the Federal Flood Disaster Protection Act of 1972, which makes available federally subsidized flood insurance for existing construction in flood hazard areas. Participation in related federal programs has been voluntary to date. However, the Federal Act provides that, effective as of July 1, 1975, all communities throughout the nation must take measures to restrict new construction in flood areas in order to be eligible for federal assistance. Failure to comply with this requirement will disqualify both the individual property owner and the community from nearly all forms of federal financial assistance for building purposes. Federally subsidized insurance will also be jeopardized.

SB 1 would establish a program of flood area management by each individual municipality, in coordination with state and federal requirements. Communities would receive assistance in qualifying for federal flood insurance. Protection of life and property in flood hazard areas would be provided by regulating construction and the reservation of open space where appropriate. This would be accomplished generally by zoning ordinances. Section 202 (b) (1) states that each municipality shall submit to the Department of Environmental Resources (DER), by a deadline to be established by the Environmental Quality Board, an official plan for flood area management within its boundaries. If a municipality does not submit such a plan, the Department of Environmental Resources may assume administration of the flood area management program or require that the county act as an agent of the municipality for the purpose of administering and implementing a flood area management program. The Act makes clear that intervention by the county or DER would be a last re-

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## DREXEL CHAPTER NEWS

by Mitchell Berman, President

### Fall Activities

The Drexel ASCE Student Chapter held two meetings during the Fall quarter. The first, "Random Thoughts on Earthquake Engineering" was presented by Dr. Richard Toland of the Drexel faculty. The second, "Underwater Construction," was presented by Lt. Peter Marshall of the U. S. Navy and featured a film presentation.

In conjunction with Chi Epsilon, the Drexel chapter has opened a tutoring service and test file for C. E. undergrads. This program has proved beneficial for all involved.

We have also sponsored several "happy hours" and a Fall picnic which were great opportunities for students and faculty to meet beyond the classroom atmosphere. Future social events include a group outing to a 76ers game. We are all looking forward to 'Drexel Night' at the Phila. Section's regular monthly meeting at the Engineers' Club, **January 13, 1976.**

For further information concerning the Drexel Student Chapter, please call me at the Drexel C. E. office, 895-2364.

### "Koernerized" Quicksand Swamps Villanova

A scheduling problem (Howard Cosell had a previous commitment) forced the postponement of the Villanova/Drexel Student Chapter football game which was to be held on November 8th. The new date was November 22nd. This unexpected turn of events cause wild fluctuation in the official point spread out of Las Vegas but the latest information we have was that Villanova still remained favored by 3 points. Evidently some inside observers felt that the scheduling difficulties were merely a ruse by the Wildcats to allow more healing time for Tommy "T-beam" Trussfeathers star wingback who was injured during the Rosemont game. Coach Wallo vehemently denied this by insisting that not only was "T-beam" Trussfeathers healthy but that "Wide-Flange" Flannigan would have been able to return to the line-up if the game had been played on the 8th.

Notwithstanding all the above non sequitur, and led by QB Tony "Swivil Hips" Ballestero, the Big Blue & Gold Machine of Drexel, rolled over their arch rival Villanova student chapter 24-0 in their annual football game. The turbid Wildcat attack was stabilized for the 2nd straight year by an in-

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## HAPPY GROUND BREAKING



Dr. John Rumpf, (right) dean of Temple University's College of Engineering Technology, and Dr. Marvin Wachman, University president, share the drilling chores during groundbreaking ceremonies for the new \$8.5 million engineering technology building. When completed during the winter of 1977-78, the nine-story building will have 15 classrooms, 19 specialized laboratories, architectural studios, jury rooms and model shops, a library with a capacity of 25,000 books and journals, a computer room, and a 2350 square foot exhibition hall, plus faculty and administrative offices. The new building is designed to have a capacity of 1200 day and 600 evening students. The 1975 enrollment of the College is 800 day and 400 evening students.

## READING BRANCH IN FULL SWING

In a remarkably fast beginning, the newly-formed Reading Branch of the Philadelphia Section, ASCE is on stream with an active calendar. The November 20, 1975 meeting featured an address on the topic: "Pennsylvania Proposed Low Flow Criteria," by John E. McSparran, P.E., Chief, Division of Comprehensive Resources Programming, Pa. Dept. of Environmental Resources.

A History and Heritage Committee is being formed under the chairmanship of Joel L. Caves. Being considered are a catalogue of historic engineering features of the Branch area, special Branch meetings, field trips and cooperation with Philadelphia Section Bicentennial activities.

## LEGISLATIVE CORNER

(continued from page 5)

sort only after conventional enforcement remedies were exhausted. All criteria and enforcement provisions of the Act would be undertaken by the DER. The task of assisting municipalities in conforming with these provisions would be assigned to the Department of Community Affairs.

As previously mentioned, this bill was passed by the Senate in June; it was then passed by the House on October 1. However, House amendments to the bill have thrown the bill into a Joint Senate/House Conference Committee. Because of actions taken on November 18 by the Senate, in not accepting the Conference Committee report, it appears that final approval of the bill may be in question.

A similar bill, introduced and passed in the Senate last year, failed to pass in the House due to the influence of private interests and many of the state's smaller communities. These groups opposed those features in the bill which would limit prerogatives of local government and the private ownership of land. SB 1, as recently amended offers a workable compromise between such objections and the growing national sentiment that the open lands of our country constitute a resource to conserve or use wisely. It also makes common sense to prevent further development on areas subjected to frequent or heavy flooding. Senator Franklin Kury (D-Sunbury), a chief supporter of the bill, has taken the position that it doesn't make sense to wait until after a flood creates heavy damage and then pour millions of dollars into the area only to have the area ravaged by future floods.

Our District 4 Land Use and Legislative Committees favor the passage of this bill. They urge members to write local representatives and senators in support of its passage. Their names and addresses may be found in the Bulletin Almanac.

## WOMEN'S AUXILIARY

The Section's Women's Auxiliary holds its Annual Christmas Party **Wednesday, December 17, 1975, 12:00 noon** at the Engineers' Club. This is the fun meeting of the year, where Pollyannas are exchanged and good fellowship abounds. **Guests are welcome**—and wives of Section members who have not yet enrolled in the Auxiliary are urged to do so at this event.

There will be no regular Women's Auxiliary meetings in January or February, 1976. But please mark your calendar for **March 9, 1976**, when there will be a combined Auxiliary-Main Section meeting, featuring the Senior Editor for Transportation Engineering News Record Magazine: Geraldine Galli Loose. Ms. Loose's topic will be: "Construction Industry Report." Watch for further details about this important meeting in coming issues of THE NEWS.

## WHO ARE THOSE GUYS?

(continued from page 4)

Delaware County. He resides with his wife, Nancy in Springfield.

THE NEWS commends the meetings committee for their fine efforts in a tough job.

Oh yeah! Make sure you count your change.

(Editor's Note):

Assistant Editor **Joe Synchron** authored the above article; and he conspicuously omitted the hardest worker of them all on the Meetings Committee — himself! It is he who coordinates all meetings and programs arrangements between the Section and the Engineers' Club, collects and counts dinner fees, hosts student attendees to their places and puts them at ease; and performs the myriad miscellaneous jobs that have characterized the consistent success of the Phila. Section meetings.

For a "Section Profile" on this rare-talented guy, please refer to your file of THE NEWS and read the March, 1974 issue.

Incidentally, all of the above birds belong to the Section's Associate Member Forum. This, then, reflects the heritage and promise of our profession and the Phila. Section, ASCE.

## Section Members!

Please Take THE NEWS Home. Your Wife Wants to Read  
The Women's Auxiliary Items!

Please Patronize our Advertisers for your Special Consultation Requirements.

ANSWER TO  
NOVEMBER'S QUESTION

QUESTION: Identify the specific occupation of S. J. Frontinus?

ANSWER: Sextus Julius Frontinus was born in Sicily about 35 A.D.

He apparently came from a substantial family who was able to provide for his education at the Alexanderan School of Mathematics in Alexandria, Egypt.

He first gained recognition by the rulers of Rome as a result of a treatise entitled "Metes and Bounds". In 71 A.D. he was called to Rome by Emperor Caesar Vespasian Augustus and made Praetor Urbanus (an office combining both judicial and executive functions).

A number of other appointments followed and in 97 A.D. he was named Curator Aquarum by the Emperor Nerva. Today this position might be titled, the Commissioner of Water Supply for the City of Rome. While holding this post he wrote "De Aquis Urbin Romae", a rather complete compilation of the famous aqueducts serving metropolitan Rome, an area with a population of more than 1.2 million.

Frontinus died in 104 A.D. at age 69. He authored at least seven major texts during his lifetime and may truly be considered a pioneer in public works engineering. When we consider that he served under five different Emperors, bridging the transition of Rome from a Republic to an Empire, it is remarkable that he survived, much less prospered.

(Note: Two people submitted answers which were more or less correct; one person though that Frontinus was a carpenter foreman for a sewer contractor; and two people insisted that he was a Latin teacher at St. Joe's Prep.).

## DREXEL CHAPTER NEWS

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fluencing line of structures majors who flocculated about the ball precipitating out any possibility of a score. Playing out of their "100 year flood" formation, the Villanova backfield couldn't get untracked and never mounted a serious scoring drive. Said coach Robert Koerner, "I knew it would work! "

When questioned after the game Wildcat coach and Drexel grad Dr. Edward Wallo stated, "It's really kind of a victory. None of our guys are in the hospital this year."

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