

# the news

PHILADELPHIA SECTION



AMERICAN SOCIETY OF CIVIL ENGINEERS

VOL. 49 - No. 2

Our 64th Year

NOVEMBER, 1976

## NOVEMBER MEETING

Philadelphia Section, American Society of Civil Engineers

Sponsored by the Construction Group

**TUESDAY, NOVEMBER 9, 1976**

Engineers' Club, 1317 Spruce Street, Philadelphia

Cocktails — 5:30

Dinner — 6:30

Meeting — 7:30

### SUBJECT:

CONSTRUCTION PROBLEMS OF I-95

### SPEAKERS:

A. CHARLES LARKIN, Project Manager, Buckley and Company, Inc.

JEROME WHITE, Vice President, Slattery Associates, Inc.

### PROGRAM HOST:

FREDERIC L. PLOTNICK, Chairman, Construction Group



A. Charles Larkin

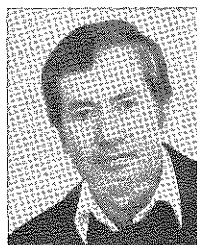
Despite the most careful planning and design, there are always some problems left to on-site project manager. The financial success of the contractor, and the integrity of the final structure are in his hands.

The construction of I-95 has caused many of these problems. Mr. Larkin will be speaking on the "bathtub" section, and the problems that were encountered there. Mr. White will be speaking on the problems encountered in relocation of the Frankford El while maintaining the line in service and keeping the adjacent roads open to traffic.

Mr. Larkin has been involved in highway construction for 30 unbroken years. He has worked for Union Paving Co., James D. Morrissey, James Julian, Inc., and Buckley & Company. Projects that he has been in charge of include portions of

Roosevelt Blvd., widening of the Delaware and Maryland Turnpikes, and rebuilding of the Schuylkill Expressway from City Line to Vine Street.

Mr. White has been in charge of major construction works for the past twenty years. His works include reconstruction of the Brooklyn Bridge, construction of a major sewage treatment plant, and several major highway projects. A graduate of City College of N. Y. (B. C.E. 1950), Captain USAF, and member of the Moies, and A.S.C.E., Mr. White is a registered P. E. in Pennsylvania, New Jersey and New York.



Jerome White

### SPECIAL FEATURE:

#### "TEMPLE UNIVERSITY NIGHT"

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

### SECTION CITED BY NATIONAL

1976 National ASCE President Fox has announced that the Philadelphia Section has been recognized for its meritorious activities and programs.

In a letter dated September 17, 1976, addressed to Section President Will M. Heiser, Mr. Fox wrote:

I am pleased to inform you that your Section will receive a 1976 Presidential Citation for its exemplary program of member activities and services. My congratulations go to you and all members of the leadership team in your Section.

Having been president of the Metropolitan Section, I know your job has not been easy. The challenges you faced have called for patience, courage and competence — all the qualities of leadership.

Having now been president of this great American Society of Civil Engineers, I know how vital Sections are to the health and vigor of the national organization. The primary link between the individual member and the Society is at the local level.

On behalf of the Board of Direction and the many members of our Society, thanks to you and your fellow officers for a job well done. ASCE is stronger for your efforts. You have every right to be proud.

Congratulations.

Sincerely,

Arthur J. Fox, Jr.

1976 President, ASCE

Mr. Heiser has mailed copies of the letter to all members of the Section's Board of Directors. In a memo he expresses "... thanks to all past leaders of the Philadelphia Section. I am proud of you ..."

Yes, Will — we are all proud of this splendid recognition.

## McPHILLIPS THANKS HIS COMMITTEE

(EDITOR'S NOTE:)

A full resume of the Convention recently hosted by the Philadelphia Section at the Sheraton Hotel will appear in the December, 1976 issue of THE NEWS. The Section membership is also referred to the November, 1976 issue of CIVIL ENGINEERING which will publish a comprehensive report.

In a letter to Local Committee Chairmen, General Chairman James W. McPhillips expressed his deep appreciation for the parts they and their assistants played in accomplishing the outstanding and memorable 1976 ASCE National Convention and Exposition in Philadelphia September 27 - October 1, 1976. The letter states in part:

... Well, the curtain has come down, the visitors have all gone home, people have written kind words to the Chairman, others have offered testimonials. Some even wrote a song to him. One serenaded him on a violin. (Now, who could that be! Ed.)

Now it's my turn!

Despite a real effort to portray this total effort as a "one-man-job", the effort has failed. The truth is out. The great success of this Convention, and it was a great success, was in fact due to a combined and dedicated job by one tremendous group of people.

And, no small measure of this success must be credited to the Committee Chairmen and their staffs. Throughout the entire fabric of the Convention plan



General Chairman James W. McPhillips speaks at the keynote luncheon in the Main Ballroom of the Sheraton September 27, 1976 at the 1976 ASCE National Convention and Exposition.

you all provided a tremendous assist to me.

My personal thanks are extended to each and every one of you for your assistance and support through the two years plus in planning and the one week of operation.

The result was evident.

Sincerely,  
James W. McPhillips  
General Chairman

## IN PRAISE OF AL HESS

Rare is the year that an Alan Hess comes into the life of your tired, hungry Editor — struggling to get his information assembled and in the printer's hands by deadline for the monthly issues of THE NEWS. Al is this year's Program Committee Chairman of the Section and he has completed an extraordinary service in preparing a Meeting Schedule; listed the college feature nights, a directory of Program Committee members and Technical Group Chairmen, together with a letter of instructions to all these individuals delineating advance publication data and meeting writeup submissions to THE NEWS, audio-visual requirements for speakers, etc.

NOW, HEAR THIS, YOU GUYS! IT'S UP TO YOU TO GET THE INFO TO ME IN TIME. COPY DEADLINE DATES ARE EXPLAINED IN AL HESS' LETTER — AND THEY ALWAYS APPEAR ON PAGE TWO OF EVERY ISSUE OF THE NEWS.

If you do not send copy, your important Technical Group or Committee meeting will not be announced in THE NEWS. It's as simple as that!

Your grouchy, cynical Editor,  
Sid Robin

P.S. Thanks a million, Al — you're all right! !

## LOOKING GOOD

Executive Manager Josef deKovacs reports that the Engineers' Club has nearly completed its renovation of the Main Auditorium. Those of you who have not had the opportunity to visit the Club since the summer will be in for a pleasant surprise.

The Club asks that ASCE members patronize its facilities — it's a great place to take business associates for lunch or dinner AND — SECTION MEMBERS — WE EXPECT TO SEE EACH OF YOU AT THE NOVEMBER 9th MEETING.

## THE IMPORTANCE OF YOUR DUES

When you pay your Local Section dues (\$10.00 for the Philadelphia Section) you reap all the benefits of full Active Membership and the innumerable professional services provided. In addition, you further help the Section financially in a very significant manner: National ASCE recently increased to \$3.00 its allotment for each member who pays the Philadelphia Section dues.

You will shortly receive your Section dues bill from New York Headquarters. Please send in your check promptly, in the amount of \$10.00, payable to "The Phila. Section, ASCE" and mail to The Engineers' Club, 1317 Spruce Street, Phila., Pa. 19107, c/o ASCE, Theodore Davis, Treasurer.

**YOU NEED THE PHILADELPHIA SECTION, ASCE for your professional betterment and fulfillment. THE SECTION NEEDS YOUR SUPPORT NOW MORE THAN EVER.**

Thank you for your cooperation and participation.

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**SEND COPY TO:**  
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**COPY DEADLINE FOR  
DECEMBER, 1976 ISSUE  
NOVEMBER 22, 1976**

**TECHNICAL GROUP ACTIVITIES****Construction**

Date: **Tuesday, November 23, 1976**  
Engineers' Club — 7:00 P.M.

Subject: **CPM Relating to Project Management**

Speaker: **J. N. Pattison**, International Consultants Inc.

Program Host: **Frederic L. Plotnick**, Chairman, Construction Group

Mr. Pattison will speak on the importance of CPM Scheduling as an aspect of Project Management for both large and small jobs. Mr. Pattison has taught courses in Construction Management at both Temple University and University of Pennsylvania.

**Future Meetings**

January 25, 1977 — "Construction Techniques: Underpinning" — Jim Sigourney of Schnable Foundation Engineering — John Donargo of Spencer, White & Prentice

February 22, 1977 — "Construction and Law" — Ralph B. Powell of Harvey Pennington, Herting and Remington

**Geotechnical**

Date: **Tuesday, November 16, 1976**  
Engineers' Club — 7:00 P.M.

Subject: **"Earthquakes: Causes and Effects"**

Speaker: **Dr. Edward Doheny**, Drexel University

Program Host: **Dennis J. Mohan**, Chairman, Geotechnical Group

**Hydraulics and Sanitary**

Date: **Wednesday, December 8, 1976**  
**Luncheon Meeting — 12:00 Noon**  
Engineers' Club

Subject: **208 Planning — Engineering Alternates in Waste Treatment**

Speaker: **William L. Greene**, 208 — Program Manager, Delaware Valley Regional Planning Commission

Program Host: **Michael D. Nelson**, Chairman, Hydraulics and Sanitary Group

The discussion will include area wide waste treatment management planning as defined by Section 208 of PL92-500, with emphasis on the role of the engineer in plan development and implementation. Key decision points are identified, and the interface with the general public is described. The influence of 208 planning on subsequent facilities planning, design, and construction is also included.

**October Meeting**

The Hydraulics and Sanitary Group

opened its 1976-1977 season on October 27, 1976, with a Dinner-Meeting at the plant of Leeds and Northrup Corp., North Wales, Pa. "Computer Monitoring and Control of Wastewater Treatment" was the subject discussed and demonstrated by **Thomas Blocher**, a Leeds and Northrup engineer. The talk highlighted colored cathode-ray tube graphic displays.

**ITEMS OF INTEREST****U. of Pa. Awardees**

**Prof. Frederic Roll**, Phila. Section Director, was a co-recipient of the ASCE 1976 Raymond C. Reese Award for his paper "The Shear Strength of Reinforced Concrete Members — Slabs" which appeared in the Journal of the Structural Division, August 1974. Dr. Roll was a member of the sub-committee of the Joint ASCE-ACI Committee 426 on Shear and Diagonal Tension which wrote the report.

**Michael J. Beck**, a senior in the Department of Civil and Urban Engineering received the Delaware Valley Chapter of the Concrete Reinforcing Steel Institute's Scholarship award.

**Canoe Race**

The University of Pennsylvania's Student Chapter of ASCE hosted its fifth reinforced concrete canoe race on October 2, 1976 on the Schuylkill River. The race, designated as the National Bicentennial Concrete Canoe Race was staged to climax The 1976 National ASCE Convention and Exposition, hosted by the Phila. Section at the Sheraton Hotel, September 27 to October 1, 1976.

A detailed write-up of both the April and October races will appear in the December, 1976 issue of THE NEWS.

**Salvatorelli Cited by Drexel**

**Joseph J. Salvatorelli** prominent Phila. Section member and former Director, was recently honored by the Drexel University Evening College Alumni Association for professional and civic achievement and as the outstanding alumnus of his class. The event was the Association's Annual Awards Dinner Dance, held in Haddonfield, N.J.

Joe received the Drexel Evening College Alumni Man of the Year Award in 1959, and the Arthur Sidney Bedell Award by the Water Pollution Control Federation in 1973. He also won the Pennsylvania Water Pollution Control Association High Hat Award in 1975. Joe is Senior Associate and Partner of

Taylor, Wiseman & Taylor, Consulting Engineers, Mt. Laurel, N.J. and is a specialist in Environmental Engineering. He is a Registered Professional Engineer in seven states, and a Diplomate of the American Academy of Environmental Engineers.

**Peters Relocates Office**

**Charles H. Peters, P.E.**, Consulting Engineer, Phila. Section Director, has relocated his office to 551 West Lancaster Ave., Haverford, Pa. 19041, phone (215) 527-0537. Mr. Peters' practice includes: Traffic and Transportation; Land Use and Subdivisions; Structures and Utilities; Claims and Litigations.

**New Offices for AISC**

The American Institute of Steel Construction, Inc. (AISC) announces the change in the address of the PHILADELPHIA REGIONAL OFFICE to 61 Cassatt Ave., Berwyn, Pa. 19312, phone (215) 644-3200.

**Hudson Awarded Doctorate**

**Samuel T. Hudson**, President and Chairman of J. E. Brenneman Co. and Board Chairman of Hudson Engineers, Inc. recently received an honorary Doctor of Science degree from Albright College. Hudson was among five persons, prominent in various fields, to have honorary degrees conferred upon them by Dr. Arthur L. Schultz, President of Albright College at their 117th commencement exercises in Reading, Pa.

Sam Hudson, a Philadelphia contractor, has demonstrated his interest in educational and civic causes by serving as a trustee of Albright College, Eastern Baptist College and Seminary and the Methodist Hospital. He is also on the Board of Governors of Drexel University and a director of Abington Young Men's Christian Association.

Founded in 1849, J. E. Brenneman Company is the oldest firm of its kind in the Delaware Valley area. Mr. Hudson is the third generation of his family to be associated with the company, which specializes in marine, mechanical, heavy highway and water treatment projects.

In April of 1976, Mr. Hudson was named "Man of the Year" by the Maritime Society of Philadelphia in recognition of his contribution to the development and promotion of the ports of the Delaware River. In 1971, he was Delaware Valley's "Engineer of the Year". The Chapel of the Four Chaplains awarded him the Legion of Merit.



## LEGISLATIVE CORNER

by John E. Spitko

### Participation is sought

This year, I am going to continue covering the activities of the Philadelphia Section's Legislative Affairs Committee and the District IV Legislative Task Forces. These groups have been working for several years to develop an effective legislative program. The majority of legislative issues of professional interest to Engineers arise at the state level. Many Engineers never hear about the content or consequences of the legislation proposed and passed by our State legislature. The Engineers who are aware of a proposed bill and the consequences rarely can get together on a unified position in time to exert any influence before the bills become laws.

You may remember from last year that there were about fifteen (15) legislative task forces established in District IV of ASCE, covering the Commonwealth of Pennsylvania. We have had a problem in the past year or two keeping up with the rapid legislative developments which sometime occur in the state legislature. Sometimes a matter would arise in one committee of the legislature which would not exactly fit one of our own legislative task forces, and so would not necessarily be covered. A better way was needed to handle legislative affairs work for the Civil Engineers of the Commonwealth. Recently, it was decided to realign the task forces to match — in name and function — the committees of the Pennsylvania House and Senate. It is generally agreed that this matching of the Senate and House committees with the ASCE Task Forces will improve flow of information from Harrisburg out to you, and vice versa. The Chairman of each of our task forces probably will become personally acquainted with the Chairman of the corresponding legislative committee. There still is one big problem. No matter how our liaison task forces are organized, the main problem is getting other ASCE members actively

involved in: (1) critically reviewing bills, (2) appearing for hearings, (3) composing position papers, and (4) offering solid technical and philosophical assistance to the legislators involved in composing bills that will affect the members of ASCE, other Engineers, and the general public.

### People need to be involved

In the July, 1976 "Engineering Issues", Jewell T. Wood wrote the following in an article entitled, "Public Affairs and the Civil Engineer: A Guideline for Accomplishment."

"For a democracy to work to its highest and best purpose all persons in the democracy must participate in the governmental functions. This concept was first recognized and set forth by Aristotle in the 4th century, B.C. The American people have apparently forgotten the concepts that were developed so long ago. To have less than full participation by all citizens a government moves from a democratic society toward other less desirable forms of government. Public participation is more than going to the polls and casting a vote. It requires a commitment for everyone to share in the democratic process.

Everyone should remember that we have had bills changed significantly in the past as a result of ASCE's past action. We can change the course of legislation, if we all get involved.

### Update

Pennsylvania Senate Bill 1 — The Pennsylvania Flood Disaster Prevention Act. The Joint Senate/House Conference Committee Report was rejected by the House on June 3, 1976, by a resounding vote of 44 to 123. The bill has been returned to the Senate for changes. (See December 1975 "NEWS" for details of bill).

Pennsylvania House Bill 2493 — Amendments to the "Professional Engineers Registration Law." These amendments strengthen the requirements for licensing as a land surveyor but also: (1) allow professional surveyors to perform engineering surveys and planning now reserved for professional engineers and (2) exclude surveying from the definition of professional engineering practice used in the current Law. Status — The bill is still in the House Committee for Professional Licensure for mark-up. (See April 1976 "NEWS" for details of bill).

### SECTION MEMBERS!

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

## VILLANOVA STUDENT CHAPTER NEWS

by Bill Gilman, President

### Chapter Member Wins Scholarship

On September 22, 1976 Howard J. Woods, Jr., Villanova C. E. Senior, received a \$250.00 scholarship from the Delaware Chapter of the Concrete Reinforcing Steel Institute. The scholarship was one of four awarded this year to Engineering schools in the Delaware Valley area.

Howard has a quality point average of 3.5 out of a possible 4.0 He ranks third in his class of 36 senior Civil Engineering students and 16th of 132 senior Engineering students.

Congratulations to our colleague who is well liked by his classmates and the Engineering Faculty. Howard Woods is a good example of the present day Civil Engineering student at Villanova.

### A CHAMPAGNE RACE and the NATIONAL CONVENTION

An exciting and fascinating place to be during the latter part of September was the Philadelphia Sheraton Hotel. It was during this time, September 27 through October 1, that National ASCE held its Annual Convention and Exposition. The Convention provided the opportunity to: see innovations in Civil Engineering. But, there was a lot of fun in this Convention, too.

### Villanova's Role

The ASCE Student Chapter at Villanova was deeply involved as we generally co-ordinated the Student Program. We set up a hospitality center which included student displays from Villanova, Swarthmore and Drexel. Our model was by far the nicest as it depicted a senior thesis project, "Construction of a Highway." We offered our assistance to the organizers in the Philadelphia Section by performing small but greatly appreciated tasks. And it paid off too! Our Chapter received wide publicity from newspapers, magazines, television and radio, as well as recognition among the professional engineers attending the Convention.



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Our main publicity derived from the construction of a concrete canoe on the exhibit floor, which generated much interest. Although the canoe was to have been constructed by the entire Delaware Valley Student Chapter, our Chapter performed nearly all the work. And it was during our construction phase that the various newspapers and T.V. stations covered the story. (More race details below.)

#### Convention Activities

As students, we were also invited to participate in the regular Convention activities. There were numerous technical lectures dealing with various aspects of Civil Engineering. Many new design concepts were discussed as well as solutions to several current problems, namely the Teton Dam Project.

There were also three field trips on which students were invited for half-price. One interesting trip was on the U. S. Army Corps of Engineer's Hopper Dredge.

#### Exposition

The most interesting part of the convention was the three day exposition. Over 100 businesses, organizations and schools displayed their innovative ideas regarding aspects in Civil Engineering. Companies such as IBM, Tektronix and Sperry Univac demonstrated the advantages of computerized analysis. Leitz displayed current innovations in surveying equipment, while the American Institute of Steel Construction handed out free booklets.

Many of the represented companies set out a sales pitch directly geared towards students. And many exhibitors of innovative ideas went to great lengths to talk to students. It may be very hard to persuade an "old-timer" to change his view; whereas, a young engineer is easily sold on a new product.

#### Concrete Canoe Race

Finally, as a wrap-up for the convention week, the area Chapters sponsored a Concrete Canoe Race. Even though it was a wet and dreary Saturday (Oct. 2nd), quite a bit of activity took place on the Schuylkill River. Concrete canoes from great distances came to enter into our race. We had entries from North Carolina State University (NC State), Carnegie-Melon, West Virginia University and more. Villanova, of course, was not out for victory, but merely for enjoyment, as Sherri O'Neill and Peggy Gardner proved during their champagne cruise. Nevertheless, the serious schools came away the victors as West Virginia and Carnegie-Melon placed first and second.

There was however, one entry which

nobody saw. That was the entry of the Philadelphia Section ASCE canoe, the same one constructed on the convention floor. The reason for no-one viewing it was, that it sank 100 meters before the starting line. Bowman Kevin Fisher summed up the problem when he said, "there were stability problems so bad that we couldn't even turn the boat. Then water started coming in through a crack and we were down before we knew it." Rick Czekanski, the stern paddler, pinpointed the problem to "improper curing," then ran to change his wet, freezing clothes.

#### Picnic

After the races, the planned picnic barely materialized, partly due to the frequent rain and, partly because some guy named "Bill" never returned with the barbecue grills. The picnic relocated to Dr. Wallo's house where the Wallo kids, in a tough football game, beat the NC State Student Chapter.

### STUDENT CHAPTER CONFERENCE

The 38th Annual Pennsylvania-Delaware ASCE Student Chapter Conference was hosted by Villanova University on April 12, 1976. The day-long event attracted Student Chapter representatives from as far west as Penn State University and south to the University of Delaware. Sixty-five members from eight Chapters participated, making the conclave an interesting and successful one, embracing many subjects.

The principal objective of the Conference (which was originally established by the Philadelphia Section in 1926) was explained by Section Past-President and Chairman of Publications **Sidney Robin**, who has served for many years as Chairman of Judges for the Conference. It is an indoctrination exercise of civil engineering students into the profession through the oral presentation of technical papers of their own authorship, on diverse topics of interest to their peers. An additional important purpose of the Conference, Mr. Robin noted, is to provide a forum in which

the various Student Chapters discuss common problems and objectives.

As in previous years, the papers fell into two main categories: **Group A**, which entails laboratory testing and experimentation as well as investigative research; and **Group B**, which requires no lab work, but features literary research and analyses. The two categories allow the freedom for an individual (or a team of students) to develop an idea from the drawing board to a working model; or to analyze in depth some established concept, branch or principle of civil engineering and discuss it. The papers, therefore, represent the culmination of their efforts, and they are judged on content, presentation and professional quality.

Four group A and three group B papers were presented. Each was an exciting and enlightening development of the student's ideas on subjects such as: Swash Bulkheads for Large Tankers; Inflatable Beams in Elastic Flexure; and The Relationship Between Vehicles' Weight, Horsepower and Driver Injury Frequency.

As usual, all the papers were splendidly composed and presented. Each speaker invited questions and discussion by the audience after completion of his formal talk. The caliber of the questions and the speakers' extemporaneous responses were exemplary. To emphasize the impression the papers made on the judges and audience, special Certificates of Honorable Mention were awarded to all the authors and speakers (some papers were authored by more than one student). Prize winners were:

#### First Prize — Group A (\$25.00)

"Development of a Replacement for Portland Cement Using Waste Products," by **Neil Weisel, Paul Marano, Mitchell Berman, and William McDermott**, Drexel University. Mr. Marano made the oral address.

#### First Prize — Group B (\$25.00)

"Seismic Considerations for Siting Nuclear Power Plants," by **Michael O'Donnell**, Drexel University.

#### Second Prize (\$15.00)

"A Model Study of Bamboo Hydraulic Structures for Erosion Abatement," by **David Charters**, Lehigh University.

#### Third Prize (\$15.00)

"Design of a Pennsylvania-Styled Covered Bridge," by **Bruce E. Peterson**, Pennsylvania State University.

A special feature of the Conference after luncheon, was a slide-illustrated talk on current activities and developments at Philadelphia International Airport, by **Malcolm C. Mattice**, Planning and Development, Department of Com-

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mercé, Division of Aviation, Philadelphia International Airport. Mr. Mattice, a distinguished member of the Philadelphia Section, is to be highly commended for his outstanding presentation, especially since he was delegated at the last moment to substitute for the originally scheduled speaker: **William T. Burns**, Deputy Director of Commerce for Aviation, Philadelphia International Airport. Mr. Burns was called away on urgent City business and was unable to attend the Conference.

Joining Chairman Robin on the judge's panel were **Bruno J. Talvacchia**, Consulting Engineer, Past-President of the Philadelphia Section, who was designated by host Villanova University; and **David M. Verrill**, designated by the recently-established Reading Branch of the Philadelphia Section, ASCE, at the latter's invitation. Mr. Verrill is affiliated with Gilbert Associates, Inc., Consulting Engineers, Reading, Pa.

**(EDITOR'S NOTE:)**

*The success of this Student Chapter Conference is due in major part to the tireless and thorough efforts of Villanova Student Chapter President Bill Gilman, author of the main body of this article, who presided; and Civil Engineering Department Head, Dr. Edward M. Wallo, with the support and cooperation of Dean of the College of Engineering, Dr. Robert D. Lynch, both prominent members of the Philadelphia Section, ASCE. Dr. Lynch welcomed all the students and other delegates at the beginning of the program. Villanova University was a gracious host in all aspects of the event.*

Sidney Robin  
Chairman of Judges

**JOB OPPORTUNITIES**

The Engineers' Club maintains a listing of "Positions Available" as part of their service to Delaware Valley engineers. If you or someone you know is interested in this program please contact **Josef deKovaacs**, Executive Manager of the Club at PE 5-5234. Identify yourself as a member of ASCE.

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**THE BOOK IS ON PRESS**

The special Bicentennial Commemorative book celebrating the 1976 ASCE National Convention and Exposition, "**The History of Civil Engineering and Construction in the Delaware Valley**" is now being printed and bound and will be available soon. All Patrons, Sponsors, Contributors, Advertisers and specialty writers will be notified and will receive their complimentary copies. Others are cordially invited to purchase the book at \$10.00 per copy. A display panel is currently in the Engineers' Club lobby showing samples of the book's pages. With due modesty, the Editor and his assistants are convinced that the publication will have great significance for a long time to come. You are invited to fill out the order pad in the display — and your book will be delivered just as soon as it is received from the printer's. For further information, call **Sid Robin**, Editor, DA 9-4121.

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**September 15th Meeting**

Mrs. Frank (Mary) Rennis hosted the first Auxiliary meeting of the new season at her Villanova home. After a delicious luncheon, the ladies discussed plans and activities for the coming year. All members who attended thoroughly enjoyed this unusual, innovative monthly meeting; and they praised their genial hostess for her graciousness and hospitality.

**October Meeting**

Mrs. Edith Tiemann, a member of Questors, a national historical society, was the speaker at the October 20, 1976 Luncheon-Meeting at the Engineers' Club. In a slide-illustrated presentation, Mrs. Tiemann discussed: "What Happened to the Signers of the Declaration of Independence after July 4, 1776?" (Mrs. Tiemann's 4th great grandfather

was one of the signers). A Board meeting of officers and committee chairmen preceded the luncheon.

**November Meeting**

The next regular Luncheon-Meeting will be at the Engineers' Club on **Wednesday, November 17, 1976, 12:00 noon**. It will feature Auxiliary members demonstrating Christmas decorations and describing holiday recipes and menus.

All Women's Auxiliary members and their guests are cordially invited to attend the November meeting and all other monthly meetings of this season. **Wives of Section members are urged to join the Auxiliary and enjoy the fellowship and varied activities of this splendid organization.** Membership can be arranged at the meetings or contact Membership Committee Chairman **Marie (Mrs. Kenneth J.) Zitomer**, Phone: LI 8-5324.

**Joint Meeting with ASME Auxiliary**

The Women's Auxiliaries of ASCE and ASME will hold a joint Luncheon-Meeting on **Thursday, November 18, 1976, 12:00 noon**, at the Engineers' Club.

Hosted by ASME, the feature attraction will be vocalist **Mary Pat McConchie** in a program entitled "Spectrum in Music."

For reservations, please call Natalie (Mrs. William K.) Clayton at MI 6-2817.

**S.W.S. COURSES ANNOUNCED**

The Specification Writers School affiliated with The Construction Specifications Institute announces two courses to be given this season, its ninth consecutive year:

I Basic Principles — 10 meetings  
Oct. 12 - Dec. 14, 1976

III Advanced Professional — 10 meetings  
Feb. 1 - April 5, 1977

Course I is introductory for all construction specifiers; Course III is intended for users of specifications, administrators, reviewers, and principals.

Both courses will again be administered by Robert B. Goodyear, CSI, of the Vincent G. Kling Partnership, with selected guest lecturers; call him for further information at (215) LO 9-2900.

Classes will be held at the Engineers' Club of Philadelphia, 1317 Spruce Street from 5:40 to 9:00 P.M. on consecutive Tuesday evenings. Registration fee is \$100. for both courses in advance, or \$60. each single course.

**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**