

# the news



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

Non-Profit Org.  
U. S. POSTAGE  
**PAID**  
Philadelphia, Penna.  
Permit No. 1845

VOL. 52 - 1

OUR 67th YEAR

October, 1979

## OCTOBER LUNCHEON MEETING

Philadelphia Section, American Society of Civil Engineers

**TUESDAY, OCTOBER 9, 1979**

Engineers' Club, 1317 Spruce Street, Philadelphia

Cocktails — 11:30 A.M.      Lunch — 12 Noon      Meeting — 12:30 P.M.

**SUBJECT:**

**THE DEVELOPMENT OF FRANKLINTOWN — CONSTRUCTION UPDATE**

**SPEAKER:**

**JOHN F. NOTEMYER**, Project Engineer  
Turner Construction Company

**PROGRAM HOST:**

**FREDRIC L. PLOTNICK**  
Chairman, Construction Group

Franklinton, long in the planning and development stages, is finally in the construction phase. Mr. Notemyer will speak on Turner Construction Company's involvement in the design and development stages of the hotel and office building with the architect and developer, building statistics relative to size, building functions, and a summary to date of the construction. Mr. Notemyer plans to utilize a slide presentation to graphically portray the project.

John F. Notemyer has been with Turner Construction Company for the past ten years. During this period he has been involved in the construction of the duPont Brandywine Office Building in Wilmington, the John Hopkins Hospital Regional Cancer Center and other buildings relative to Phase I Re-development in Baltimore, and the Penn Mutual Life Insurance Company Office Building in our own Philadelphia.

Mr. Notemyer is a graduate of Wentworth College of Technology having an Architectural Construction Degree and has taken advance studies at the Massachusetts Institute of Technology and the Boston Architectural Center.

**SPECIAL EVENT:**

**TEMPLE UNIVERSITY DAY**

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

## TECHNICAL GROUP ACTIVITIES

### Hydraulics and Sanitary

Date: **Wednesday, October 3, 1979**

Luncheon 12:00 noon—Engineers' Club

Subject: **Gas Recovery  
from Cinnaminson Landfill**

Speaker: **Fred DeSanti**  
N. J. Public Service Electric and Gas

Program Host: **Clyde S. Younkin**  
Vice Chairman, Hydraulics & Sanitary

## WOMEN'S AUXILIARY

### OFFICERS 1979 - 1980

President

Mrs. James (Ann) Leasure

Vice President

Mrs. Robert M. (Paula) Koerner

Recording Secretary

Mrs. Frank (Ruth) Depman

Corresponding Secretary

Mrs. Victor A. (Erica) Marcus

Treasurer

Mrs. William (Natalie) Clayton

The 1979 - 1980 season opened with a gratifying turnout of members and guests on Wednesday, September 19, 1979. Luncheon at the Engineers' Club was followed by a stimulating guided tour of the historic and picturesque Old Walnut Street Theater, 9th and Walnut Streets, Philadelphia.

### October Meeting

The next regular monthly Luncheon Meeting will be held at the Engineers' Club on **Wednesday, October 17, 1979, 12:00 noon**. The Auxiliary's own **Mary (Mrs. Edwyn L., Jr.) Shoemaker** will present a slide illustrated narration entitled: "Mexican Siesta" - about her and Ed's travels through that colorful country. All Auxiliary members and guests are cordially invited to attend.

Mail Reservation Cards Immediately or call Mr. deKovacs at the Engineers' Club — 735-5234  
Win a FREE LUNCH!

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

### PRESIDENT'S MESSAGE

The commencement of another year with the new officers and programs for the Philadelphia Section of the American Society of Civil Engineers is an exciting time! All the preliminary work has not been done, and, probably won't be done until my term is over. There never seems to be enough time.

The emphasis this year is on **inflation** and **energy**. All types of measures are being taken to conserve energy and still provide the best possible service and engineering knowledge that can be obtained.

To help us provide the necessities of life and preserve our environment, we have all kinds of help. Most of the help is, ostensibly, derived from the various federal agencies. We wonder if it is helping, or really compounding the problems.

This is the reason the engineer must decide the proper tasks to handle. There are many solutions to the many problems; and we must remember not to try to solve them all at once. Our organization in this way will try to solve problems by keeping the Civil Engineers abreast of what is going on and, also, to have our input in the legislative branch so that it is not the lawyers who dictate what the engineers should do.

We are fortunate in having our reliable people back in the various positions, such as: Norman Weintraub, Program Chairman; Sid Robin to help in his fine work with THE NEWS; and Ted Davis to keep his watchful eye on the treasury. Our officers, members of the Board and various committee chairmen are all geared to start an aggressive, excellent year for our Section.

Sincerely,

Kenneth J. Zitomer, President  
Phila. Section, ASCE

### 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.

Effective October 1, 1979 - and for the first time - 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, 1979.** 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 indicate their preferences for member-

ship in Technical Groups @ \$1.00 annually per Group. The bill from National will include either a card or fill-in blank to indicate 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.**

### CHANGES IN SECTION OFFICERS 1979 - 1980

Because of job transfers, sabbaticals and out-of-country assignments, the following changes in the slated officers (see THE NEWS March, 1979) of the Phila. Section ASCE are announced: **Membership Secretary - Judy Y. Longfield**, special appointment to replace John W. Schumann (two-year term). Miss Longfield completed a two-year term as Director 1978-1979.

**Director - Norman J. Weintraub**, special

appointment to fill unexpired term of George N. Bathish (one year). Mr. Weintraub completed a regular two-year term as Director 1978-1979.

**Director - John E. Spitko, Jr.**, special appointment to fill the unexpired term of William J. Parente (one year). Mr. Spitko completed a regular two-year term as Director 1978-1979.

THE NEWS, on behalf of the Philadelphia Section, congratulates the new appointees for their positive and loyal response to the Presidential appointments; and thanks the replaced officers for their dedicated service to the Section during their uncompleted terms of office.

### PHILADELPHIA SECTION AMERICAN SOCIETY OF CIVIL ENGINEERS OFFICERS 1979 - 1980

#### PRESIDENT

Kenneth J. Zitomer

#### VICE PRESIDENTS

Joseph R. Synchronic Frederic Roll

#### SECRETARY

Albert M. Tantala

#### ASSISTANT SECRETARY

William M. Malarkey

#### TREASURER

Theodore Davis

#### ASSISTANT TREASURER

Charles J. Denny

#### MEMBERSHIP SECRETARY

Judy Y. Longfield

#### DIRECTORS

Bernard M. McNamee John W. Carroll  
Norman G. Weintraub James D. Leasure  
John E. Spitko, Jr. David M. Barr, III

Robert W. Alley  
(Reading Branch)

#### PAST PRESIDENTS

Will M. Heiser Brian J. Lewis  
Celestino R. Pennoni

#### PUBLICATIONS COMMITTEE

Sidney Robin

Chairman and Editor of THE NEWS

Joseph R. Synchronic

Assistant Chairman and Associate Editor

Staff Writer

John E. Spitko, Jr.

Publications Coordinator

Albert M. Tantala

#### SEND COPY TO:

Sidney Robin

64 Nancy Drive

Richboro, Pennsylvania 18954

Phone: (215) 322-7464

**COPY DEADLINE FOR  
NOVEMBER 1979 ISSUE  
OCTOBER 10, 1979**

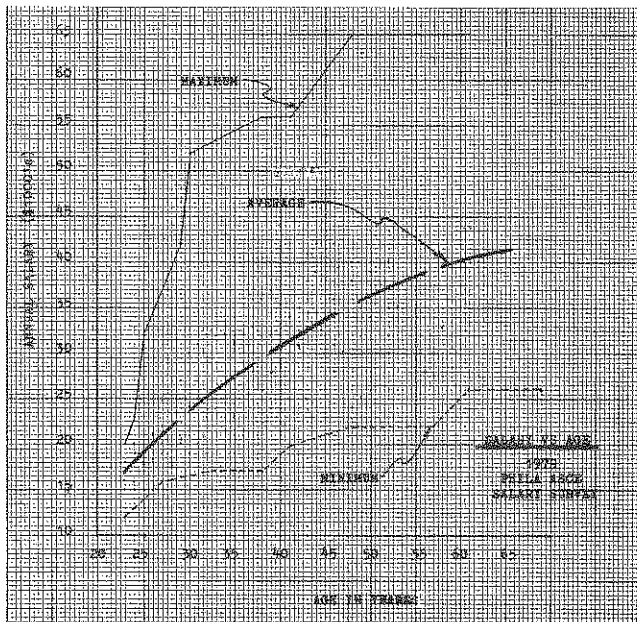
**1979 SALARY BENEFITS SURVEY  
Philadelphia Section, ASCE**

This report is the third survey of the Philadelphia Section of the American Society of Civil Engineers. The first report was prepared in March, 1972 and the second in the Spring of 1976. It is expected that the reports will be biannual, with the next questionnaire included with the April, 1981 issue of THE NEWS.

The response this year was almost 50% greater than for the prior survey, with 211 questionnaires returned.

Where possible, the following summary also shows the results of the prior surveys.

	1979	1976	1972
<b>Section A - Personal Data</b>			
1. Average Age	38.9	39.0	40.8
2. Years of full time Employment	16.0	—	—
3. Years since first degree	15.5	15.5	16.8
4. Education (percent)			
No Degree	1.0	—	—
B.S.	34.0	50.7	60.0
B.S. + 15 hours	23.0	—	—
Masters Degree	33.0	45.8	32.8
Doctoral Degree	9.0	3.5	3.8
5. ASCE Membership Grade (percent)			
Associate	34.0	42.8	37.9
Member	60.0	46.2	47.4
Fellow	5.0	9.7	13.7
Life	1.0	1.3	1.0
6. Registration (percent)			
E.I.T.	17.0	18.0	11.3
P.E.	73.0	72.0	76.6
L.S.	6.0	3.0	—
7. Membership in other Professional/Technical organizations			
1	21	—	—
2	18	—	—
3	9	—	—
4 or more	10	—	—



**Section B - Employment Data**

	1979	1976	1972
1. Type employment or self-employment (percent)			
Consultant	39.0	49.2	39.4
Contractor/Builder	9.0	8.5	7.5
Federal Government	9.0	8.5	9.3
State Government	0.0	2.1	14.1
Municipal, Local, or Regional Government or Authority	15.0	9.8	8.7
Utility (public or private)	11.0	—	—
Manufacturer	8.0	8.5	13.5
Education	3.0	—	—
Sales	4.0	—	—
Other	2.0	13.4	7.5
2. Technical Responsibility (percent)			
Technical	49	—	—
Sales	1	—	—
Supervisory	24	—	—
Administrative	25	—	—
Other	1	—	—
3. Number of different Employers since grad.			
2.85	—	—	—
4. Years with current Emp.			
8.84	—	—	—

**Section C - Benefits**

1. Salary (dollars)			
Avg.	28,657	24,390	18,100
Max.	65,000	64,000	—
Min.	12,000	11,200	—
2. Bonus/Commission			
%	25	33	—
Avg. (dollars)	5,700	—	—
Max. (dollars)	44,000	20,000	—
Min. (dollars)	100	25	—
3. Vacation (incl. admin. leave, personal days, etc.)			
10 days or less	30	45	49
11 to 15 days	39	28	28
16 to 20 days	18	—	—
21 plus days	13	27	23
avg. days off	15.1	14.5	13.5
4. Holidays			
9.0	9.3	9.1	
5. Sick Leave - see discussion			
6. Hospitalization Ins. (percent)			
Yes	96	93	85
No	4	7	15
7. Life Insurance (percent)			
Yes	88	93	—
No	12	7	—
Avg. (dollars)	41,000	32,000	19,200
8. Accident Insurance (percent)			
Yes	68	57	46.7
No	32	43	53.3
9. Disability Insurance (percent)			
Yes	68	41	—
No	32	59	—
10. Pension Plan (percent)			
Yes	81	83.6	—
100% company paid	.44	—	—
Employee contrib.	.37	—	—
No	19	16.4	—

	1979	1976	1972
11. Profit Sharing Plan (percent)			
Yes .....	33	---	---
No .....	67	---	---
12. Formal Severance Pay Policy (percent)			
Yes .....	37	44	31.5
No .....	63	56	68.5
13. Tuition Reimbursement			
90 - 100% .....	62	28.5	---
50 - 90% .....	12	25.7	---
None .....	26	45.8	---

**Section D - Opinions**

	Yes	No		
1. Do you feel that a biannual salary survey is:				
a. Useful to you .....	84	16		
b. Appropriate for Phila. ASCE ..	93	7		
c. A waste of time .....	6	94		
2. Do you believe your salary, considering your experience and ability, compared to other Civil Engineers is:				
Much lower .....	3%			
Lower .....	25%			
Similar .....	50%			
Higher .....	19%			
Much higher .....	3%			
3. Do you believe your fringe benefits, compared to other Civil Engineers, are:				
Much lower .....	3%			
Lower .....	17%			
Similar .....	38%			
Higher .....	37%			
Much higher .....	5%			
4. To improve any of the following, would you consider joining a labor union or employees' association?				
	Union	Assoc.		
	Yes	No	Yes	No
Salary .....	17	83	32	68
Benefits .....	15	85	39	61
Security .....	14	86	30	70
Work conditions .....	15	85	36	64
5. Do you agree or disagree with the following statements:				
	Agree	Disagree		
a. Registration should be required for all engineers as a condition of continued employment .....	35	65		
b. Continuing education should be required to maintain registration .....	50	50		
c. Consulting work may be competitively bid when the requirements are reasonably well defined .....	56	44		

**Discussion**

The results of Sections A and B, Personal and Employment Data, are reasonably clear and show no major differences from prior years. The average annual salary has increased 17.5% from the previous survey (1976). This figure is far less than inflation and, based on reports from colleges and universities, is far less than the increase in

starting salaries for graduate engineers (closer to 35%) over the same period.

The results for fringe benefits are difficult, if not impossible, to interpret. With variables such as years with employer, quality of plans, exclusions, percent paid by employers, duration of coverage, etc., the survey is not large enough to provide a meaningful breakdown. This is particularly true since, based on the answers of this and the previous survey, the number of respondents who don't know the extent of their benefits is shocking.

Annual sick leave ranges from five days to unlimited, with the median value around twelve days at full pay. In general, most respondents received 100 percent employer paid life insurance between one and two times their annual salary. Disability insurance varied between 35 and 100 percent of salary (median of 70 percent), with the employer paying 25 to 100 percent of the cost (median of 90 percent).

Approximately ten percent of the responses contained comments, many concerning the questions in the opinion section:

"(5a) should apply where the engineer uses his registration, not where position does not demand this registration, e.g., any type of engineer on nuclear power plant."

(5a) "I disagree with idea of locking out capable people with registration requirements."

(5a) "Registration should be required above a certain responsibility level."

(5b) "The best way to maintain professional competence is by enforcing high standards. Every engineer should accept only the best possible work from his associates. To attempt to legislate professional competence is ridiculous."

(5a) "Too many companies are paying lip service to the P.E. License. When it comes to promotion, non-registered engineers are promoted over registered ones."

(5b) "Unfortunately, I don't feel that many employers - especially the larger ones - will heed the recommendations based on this survey. I wish they did."

Suggested questions for future surveys included additional benefits; for example:

- 1) Company car?
- 2) Company-paid registration fee?
- 3) Company-paid Society membership?
- 4) Company matching gift program?

Further topics included engineering salaries relative to other professions, and the engineer's status in the construction industry.

—o—

**Editor's Note:** The Phila. Section is indebted to Director Norman G. Weintraub who - as a Committee of One - prepared the 1979 Salary and Benefits Survey Questionnaire, which was sent out with the March, 1979 issue of THE NEWS. The Section extends its highest compliments to Norman for his comprehensive, splendid report on the Survey, which succeeds those in 1972 and 1976.

## SPRING AND SUMMER HAPPENINGS

### Philadelphia Section ASCE Representatives Attend AAPSS Conference

Section Vice-President **Joseph R. Syrnick** and Publications Chairman **Sidney Robin** represented ASCE at the 83rd Annual Meeting of the American Academy of Political and Social Science (AAPSS) held in Philadelphia at the Benjamin Franklin Hotel April 6-7, 1979.

Until this year, ASCE was the only professional engineering society to send delegates to the annual conference of this internationally renowned organization. Joe and Sid were pleased to note that this year the American Society of Mechanical Engineers, American Society for Metals and the American Institute of Aeronautic and Astronautic Engineers sent delegates to the 1979 Annual Meeting.

The subject this year was: **The Environment and the Quality of Life: A World View.** Renowned speakers and

### DAVIS FETED AT BALA SOCIAL

In tribute to his extensive and devoted service to the Philadelphia Section, ASCE - particularly 18 years as Treasurer - **Theodore (Ted) Davis** was presented a special Certificate of Appreciation Award in ceremonies at the Section's Annual Spring Social at Bala Golf Club, May 5, 1979.

Also honored at the Social were Past President **Will M. Heiser**, Outstanding Civil Engineer Award; and **Charles C. Zollman**, a Special Civil Engineer Achievement Award, in recognition of his pioneering research and development of pre-stressed concrete technology in bridges and other major structures. (See THE NEWS, April-May 1979).

### MEMBERS IN THE NEWS

**Charles C. Zollman**, who was honored by the Philadelphia Section, ASCE, for his eminence in the field of Prestressed Concrete (see THE NEWS, April-May, 1979), has been given, by unanimous vote of the Prestressed Concrete Institute Board of Directors, the PCI MEDAL of HONOR Award.

The coveted Award is given to those individuals "... who have made highly significant contributions to the Prestressed and Precast Concrete Industry, and who have demonstrated a sincere continuing interest in the Institute..." Presentation of the prestigious Award will be made during the PCI Convention

(continued on page 6)

topics were included.

Delegations included the foreign embassy of many countries of the world, Ecuador, Egypt, Poland, South Africa, Paraguay, Madagascar, and United Nations missions from Argentina, Bolivia, India, USSR, Nigeria; public jurisdiction and governmental agencies including many states and principal cities of the United States, the CIA, U.S. Department of Agriculture, U.S. Public Health Service, HUD and many others; several universities and colleges from the United States and abroad and international civic, scientific and commercial organizations.

—o—

### Concrete Canoe Race

The Seventh Annual Concrete Canoe Race (sponsored entirely by the Phila. Section for the second consecutive year) was held on the Schuylkill River Race Course on Saturday, April 7, 1979 with Case Western University of Cleveland, Ohio, taking top honors in all but one category.

As was the case in 1978, the number of schools participating was small, but both the contestants and the approximately three hundred spectators were extremely enthusiastic. A welcome addition this year was some good coverage by the three local television stations.

Five colleges entered canoes: Case Western Reserve, Penn, Temple, Drexel and Villanova. Races included Men's, Women's Mixed and faculty. As noted previously Case Western won first place in all categories except one.

The lone victory by a local school was recorded in the Best Decorated category for its very sleek "Jaws" design. This narrowly defeated Case Western's Viking Boat, complete with dragon head, sail and shields.

High praise is due Race Chairman **Bill Malarkey**, Phila. Section Assistant Secretary, for his expert handling of the myriad details and arrangement complexities of the event. Bill and his wife Ann even served as finish line judges. **Tom Dowd**, veteran boating enthusiast and racing official, again headed the team of starters and timers.

An excellent time was had by all, and the Section is looking forward to next year's race, which we hope will attract more entries.

—o—

### 41st Annual Student Chapter Conference

The Conference of the Pennsylvania-Delaware ASCE Student Chapters was held on April 20, 1979 at Drexel University. Established by the Phila. Section in 1926, the main objective of the Con-

ference is indoctrination of Civil Engineering students in oral presentation of technical papers of their own authorship, on diverse topics of interest to the profession. Also, the Conference provides a forum for the Student Chapters to discuss mutual problems and objectives.

Seven papers, by representatives of Widener, Lehigh, Lafayette, Drexel (two papers), Swarthmore and Villanova, were splendidly prepared and expertly presented. The authors were highly praised by Chairman of Judges **Sidney Robin**, Phila. Section Past President and Chairman of Publications. Awards were as follows:

**First Prize - Group A** (this category involves laboratory testing and experimentation, as well as investigative research): "Laboratory Study of the Use of Synthetic Fabrics in Road Construction", by **Marvin Fetterman**, **Robert Hackman**, **Joseph Hudak**, **John Kazana**, and **Stuart Kopperman**, Drexel University. Mr. Hackman made the oral presentation.

**First Prize - Group B** (requires no lab work, but features literary research and analyses): "Feasibility Report on Treatment of Sanitary Waste in Still Water Lake Estates", by **Charlene Ann O'Connor**, Villanova University.

**Second Prize:** "Life Support Systems: Environmental Control in Space Colonies", by **Daniel L. Gallagher**, Drexel University. (A Group B paper).

**Third Prize - (Tie):** "Photoelastic Analysis of Cruciform Joints", by **Reuben D. Boyer**, **Joseph Connelly**, **Michael Dolan**, and **William Gettel**, Widener College. Mr. Gettel presented the paper orally. (A Group A paper).

**Third Prize - (Tie):** "On Modelling Concrete Structures", by **Tim Cohn**, Swarthmore College. (A Group A paper). (Second and third prizes are awarded irrespective of Group A or B category).

Certificates of Honorable Mention were presented to all authors and speakers.

Joining Sid Robin as Judges were: **Robert C. Richert**, an official of GPU Service Corp., Reading, Pa., and President (1979-1980) of the Reading Branch of the Phila. Section ASCE; and **A. Barry Seymour**, Partner, L. H. Doane Associates, Inc., Wilmington, Delaware.

Special kudos are extended to Section Past President **Dr. Robert M. Koerner**, Professor of Civil Engineering at Drexel University and Faculty Advisor of the ASCE Student Chapter. Bob was principally responsible for the superb coordination of the complex mechanics of the Conference, its flawless efficiency and outstanding success.

**MEMBERS IN THE NEWS**

(continued from page 5)

in Dallas, Texas at the Membership Luncheon on October 17, 1979.

—o—

**Dr. John L. Rumpf**, Vice President and Dean of Faculties, College of Engineering, Temple University, served as Moderator of a Panel discussing "Engineering Technology Programs" at the National ASCE Conference on Civil Engineering Education, April 19-21, 1979 at the University of Wisconsin - Madison.

—o—

**Dr. Harry G. Harris**, Associate Professor of Civil Engineering, Drexel University, has been working for the past five years with graduate and undergraduate students to study prefabricated housing assembly techniques to test response to impacts, such as earthquakes or explosions.

Under a grant from the Department of Housing and Urban Development (HUD) experiments have been conducted on a small-scale model of a prefabricated building. The researchers are studying "progressive collapse," a process which can occur when one component of a structure is damaged and the other building parts cannot withstand the impact. The research has verified the need for steel joints in prefabricated structures "...to tie the building together..."

Dr. Harris explains that building codes now governing the construction of prefabricated structures are not yet fully defined, and that the results of his experiments will be used by HUD to influence questionable codes.

### STRUCTURAL PLASTICS DESIGN MANUAL

The ASCE Task Committee on Design has released the preliminary first phase (Chapters 1-4, approx. 480 pages) of the Structural Plastics Design Manual. The text being made available through the ASCE Headquarters reviews the following topics:

- Structural Plastic Materials
- Behavior of Structural Plastics
- Materials Criteria for Structural Design
- Overall Considerations in Structural Design With Plastics

Topics to be addressed in the final completed version of the manual, to be published in 1980, will also include:

- Design considerations of plastics relative to flammability characteristics
- Design of Plates and Membranes
- Design of Beams, Columns and Frameworks
- Design of Shells

Design of Sandwich Structures

Design of Pipe

The text is available in preliminary form to solicit comments from the engineering profession relative to content and detail. The final version of the manual will be edited based upon the response received. The manner of the response is addressed in the Foreword of the manual.

The purpose of the manual is to serve as a significant technical reference and design aid as well as a basic primer for engineers concerned with a wide variety of structural applications of plastics in building construction, process industries, sanitary facilities, transportation and marine structures and special vessels.

The fee for the manual is \$6.00 to cover overhead, handling and postage. The purchase request should be directed to: The Publication Sales Department, American Society of Civil Engineers, 345 E. 47th Street, New York, NY 10017.

### JOB OPPORTUNITY — STRUCTURAL CONSULTANT

Grant Cooper and Associates, a Management and Consulting firm wholly retained by client companies, and with Corporate Offices in St. Louis, MO, offers the position of Structural Engineering Consultant to an individual with a degree in Civil, Mechanical or Structural Engineering. Requirements include experience in both finite element analysis and the use of computers for solving problems in the structural analysis area. Salary range is in the mid-twenties to low-thirties, based in St. Louis. There is some client contact and a moderate amount of travel.

Interested, qualified candidates may write or call collect: Albert G. Koebbe, Staff Associate, Grant Cooper Associates, 2388 Schuetz Road, Suite 40, St. Louis, MO 63141; (314) 567-4690.

### DIED

**THOMASSEN, VICTOR G.**

March 22, 1979, age 89

Past President of the Philadelphia Section, ASCE (1956-1957), Vic Thomassen was for decades one of the most dedicated and dynamic advocates and members in the Section's history. It was principally through his initiatives that most of the professional and civic contributions made by the Philadelphia Section took root and grew into institutional programs. The Women's Auxiliary was Vic's idea and was established during his tenure as President.

In addition to his distinguished career as an outstanding civil engineer, especially in design of steel bridges, and

until an injury forced discontinuance, Mr. Thomassen was a highly regarded figure skater in the Philadelphia area. He was heavily involved in many professional organizations and their work in the Delaware Valley. He also maintained close liaison with his beloved alma mater, Cornell University. Mr. Thomassen retired and moved to Atlantic City, N.J. about 10 years ago. He will be sorely missed by his many friends here. He is survived by nieces and nephews in New Jersey and Maryland.

—o—

**SACKS, SAMUEL I.**

June 25, 1979, age 86

Sam Sacks was one of the true pioneers of the Philadelphia Section, ASCE. The Section is eternally indebted to him for his sage counsel and guidance for more than 40 years as Chairman of the Legislation, Registration and By-Laws Committee, as a Section Director, and enthusiastic participant in all important Section activities.

In addition to being a Registered Professional Engineer, Mr. Sacks was a graduate of Temple University School of Law, earning his L.L.B. (Bachelor of Laws) and J.D. (Doctor of Jurisprudence) there. He conducted, simultaneously, active practices in Law and Civil Engineering in Philadelphia until he was incapacitated by a serious accident about two years ago.

During his employment by the City of Philadelphia (1913-1919), Mr. Sacks was in charge of the design of Elevated Line and Broad Street Subway Stations. As an attorney, he specialized in engineering, architectural and building law. He served as a consultant to the Mayor's Advisory Committee for the Revision of the Philadelphia Building Code. Sam was a widely sought lecturer and writer on legal and engineering topics. He was extremely active in religious affairs. He was an alumnus of Gratz College, the world-renowned institution of Hebrew Literature and Learning, language and music; and he was named Gratz "Man of the Year" in 1968. He served in many official capacities for the Federation of Jewish Agencies and several Temples.

Among his many professional associations, in addition to ASCE, was Member d'Honneur de Societe des Ingenieurs Professionnels, a French Professional Engineering organization.

The Section's Membership's sincerest sympathies are extended to his widow, Mrs. Cecelia Sacks, a long-time friend of the Philadelphia Section and its Women's Auxiliary; and a daughter, Mrs. Marjorie Abrams.