



the news

PHILADELPHIA SECTION

AMERICAN SOCIETY OF CIVIL ENGINEERS

VOL. 46 - No. 1

Our 61st Year

OCTOBER, 1973

OCTOBER MEETING

Philadelphia Section, American Society of Civil Engineers

TUESDAY, OCTOBER 9, 1973

Engineers' Club, 1317 Spruce Street, Philadelphia

Cocktails — 5:30 Dinner — 6:30 Meeting — 7:30
(Cocktails: 2 for 1 — Downstairs Bar, 4 - 6 P.M.)

SUBJECT:

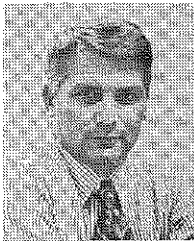
"CAN PUBLIC WORKS WORK; A VIEW FROM THE PRESS"

SPEAKERS:

ROLFE NEILL, Editor, Philadelphia Daily News
DOUG BIDELELL, Editorial Board, The Philadelphia Evening Bulletin
MS. ANDREA MITCHELL, KYW-Radio, City Hall Reporter

PROGRAM HOST:

IRA N. PIERCE, P. E.



Rolfe Neill



Andrea Mitchell



Doug Bidell

This dialogue among key Philadelphia news-media representatives is designed to provide ASCE members and their guests with an understanding of how our attitude-makers view the track-records of those concerned with bridging the gap between promise and performance in public works, as well as their tactics for getting things done, and their efforts to satisfy the needs and demands of the taxpayer. The panel has been asked to be prescriptive in their comments, and also to express themselves on how they view the role of the press in providing positive assistance in advancing needed projects to the construction stages.

This will be a round table discussion, sparked by audience participation; and is the first in a series of ASCE meetings that will focus on matters of social and political interest.

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

ABOUT OUR SPEAKERS:

Rolfe Neill is Editor of the Philadelphia Daily News and is also a Vice President and Director of Philadelphia Newspapers, Inc., publishers of the Philadelphia Daily News and the Philadelphia Inquirer. Mr. Neill has won a number of journalistic awards. He received his BA in history from the University of N. C. at Chapel Hill in 1954 and worked on newspapers in Georgia, North Carolina and Florida before assuming the position of Assistant to the Publisher of the New York Daily News in 1965. Mr. Neill rejoined Knight Newspapers upon their purchase of the Philadelphia Daily News and Philadelphia Inquirer on February 1, 1970.

Doug Bidell has been Editorial Writer for the past 5 years for the Evening and Sunday Bulletins. Mr. Bidell is a specialist in city and regional issues. He is a former University City resident and past Chairman of the Powelton Neighbors Civic Association.

His initial assignment at the Bulletin had been as a labor reporter for two years, followed by the position of reporter with the Wall Street Journal. He attended New York City schools and is a graduate of Allegheny College in Meadville, Pa.

Andrea Mitchell is the City Hall Reporter for KYW-Radio.

She is widely considered the best radio reporter in the Phila. Area, specializing in city government and politics.

She's only 25, a New York City native who came to Philadelphia to major in English at the University of Pennsylvania, graduating in 1967.

She has done many special reports for KYW, including a series that won her an award from the American Political Science Association.

THE PRESIDENT'S MESSAGE

HAPPY NEW YEAR!

It has been a good many years since I last considered the Fall as ushering in a New Year. It has always been true for students, but it's also true for ASCE. Each New Year presents a host of new challenges to be met and problems to be solved. On January 1st of each year some of us attempt to face these by adopting a series of resolutions. As we all know many of these fall by the wayside rather quickly.

As the new president of the Philadelphia Section of ASCE, I am not so foolish as to follow that course. I do, however, have some goals we as a Section can strive to meet. These are the things I would like to share with you at the beginning of this new ASCE year.

This Section has always had a strong program for its members. Joe Welsh, our Program Chairman, has developed seven strong monthly meetings. This year we have attempted to broaden the attendance at these by selecting program topics that will have an appeal for the whole membership and not emphasize just one discipline. Our Technical Groups have advanced each year in providing stronger programs, and this year we feel that you all should take part in this professional growth program. We look forward to increased attendance since we plan to have meetings you won't want to miss.

An organization is known by the quality, not the quantity, of its membership. The Philadelphia Section has always had the quality, but this year we would like also to increase the quantity. The benefits of ASCE membership are great to any civil engineer, but only if he becomes an active member. We hope to extend this opportunity to many more in the Delaware Valley. It is my hope that each of our members will be a recruiter bringing prospects to our meetings. It is then our job to make them glad they came and to want to join us regularly.

I do not know all of the members of this Section, but I can assure you that by the end of my term I will know a great many more of you. We also plan a better way of making our guests welcome and making sure that they are known to everyone.

We need a renewal for our thrust into the community. A good beginning must be extended to areas of broader service. We have the start of a legislative awareness program. As good citizens, we must expand this effort. We hope to extend our cooperation with other professional and technical organizations in areas of common concern. Employment conditions and practices need affirmative action if we as a profession are to grow. As you can see there is no end of opportunity facing us.

Today, engineers are beset on all sides. Environmentalists blame us for many of the nation's current problems. In neighboring states the name "engineer" is being dragged through the mud. At our first meeting you will find out what others think of us. Do we have a challenge for this year? You bet we do! Let me know of your concerns. Let me know where you are willing to serve. Only through active service can we make our profession what we want it to be. Only then will we all be able to take pride in the accomplishments of our section. Happy New Year!

Sincerely,

Robert O. Drange, President

THE NEWS ADDS TO STAFF

Publications Committee Chairman Sid Robin is pleased to announce the addition of several staff members to assist in the preparation of our monthly newsletter THE NEWS and other Section Publications.

Joseph R. Synchron, Civil Engineer III, Phila. Dept. of Streets, who has been an unofficial staff member for the past two years, ably assisting Mr. Robin in the preparation of several major articles, joins as a regular Staff Writer.

Richard E. Daniels, Engineering Assistant, Structural Analysis Group, United Engineers and Constructors, joins us as Associate Member Forum News Editor. This column was estab-

lished last year in THE NEWS to highlight the activities of ASCE Student Chapters in area colleges, and civil engineering news and information of interest to younger members of ASCE, particularly the Associate Member Forum.

Albert M. Tantala (see SECTION PROFILES in the April-May, 1973 issue of THE NEWS) joined the Publication Committee staff last year as general coordinator for assembling printing and mailing of all publications, including dinner reservation cards, special inserts of Technical Groups, Committees, etc., joint meeting announcements and printer pickup of THE NEWS each month. He has executed these complex

tasks with the dispatch of the expert which he is. We are happy to add his name to the masthead of THE NEWS.

"Old Faithful" Will M. Heiser (see SECTION PROFILES, January, 1973) continues to serve on the Committee and his distinguished literary talents will be welcomed by THE NEWS.

Because of job relocations and innumerable other activities, veteran staff members Richard Z. Zimmermann, Jr. and Louis W. Petulla are unable to continue regular contributorship as staff members. Hopefully, they will be available for periodic special assignments as necessary. Chairman Robin expresses his deepest appreciation for their past efforts and looks forward to continued association with these fine colleagues. Their writing has played a significant role in maintaining the standards of excellence which have always been the objective of THE NEWS.

As this issue of THE NEWS goes to press we are in search of an Advertising Manager.

THE NEWS and the Publications Committee welcome the enlarged staff and hopes to do their best to bring to the Section membership "all the news that's fit to print." (And maybe even some that isn't!)

PHILADELPHIA SECTION AMERICAN SOCIETY OF CIVIL ENGINEERS

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**COPY DEADLINE FOR
NOVEMBER, 1973 ISSUE
OCTOBER 23, 1973**

CONSTRUCTION CAREER DAY

The Thirteenth Annual Construction Career Day Conference for Junior and Senior High School students in the Metropolitan Philadelphia area will be held at the Franklin Institute on Saturday, November 3, 1973, 9:00 A.M. This unique annual event—sponsored jointly by the Phila. Chapters, A.I.A. and P.S.P.E., the Phila. Section, ASCE, the Industry Advancement Program; administered by the General Building Contractors Association, in cooperation with the Franklin Institute—is the only one of its kind in a major city in the United States. Here, all principal elements in the construction industry: architects, engineers, contractors, legal and management personnel, building materials manufacturers and suppliers, educational institutions, and owners combine their talents to inspire interest in young people to pursue careers in the great construction industry.

The program this year will probably rank as the most thorough in-depth analysis in the history of the Conference. The synthesis of a major building job will be developed by means of a discussion by a panel of experts, from the conception of the idea for the building to the delivery to owner or community. The roles of the architectural designer, specialty engineers (structural, mechanical, electrical, etc.), contractors, tradesmen and craftsmen will be described; and a film of the construction of the great World Trade Center in New York City will be shown. Detailed interviews and discussion of students' questions will be conducted in the Lecture Hall and the numerous display booths in a large exhibit area in Franklin Hall. In addition to sodas and snacks, a special treat for the youngsters following the Conference will be free tickets to the Penn-Harvard football game at Franklin Field in the afternoon.

Philadelphia Section Past President Joseph R. Farrell, Jr., is General Chairman of the Construction Career Day Conference Committee. He urges the Section membership to support and attend this highly enlightening event. Charles B. McBride of G.B.C.A., is Treasurer and Coordinator.

Student Chapter News Special

THE GREAT CONCRETE CANOE RACE!

On the beautiful, sunny Sunday morning of April 29, 1973, the doors were opened upon an exciting new dimension in the history of Philadelphia ASCE Student Chapter affairs. It was the First Annual Concrete Canoe Race, on a ¼-mile course near Peter's Island on the Schuylkill River along the East River Drive park. Witnessed by a public audience of over 500 persons, the event generated more public interest and recognition than any single student activity within the long period of ASCE affiliation of this reporter.

Initiated and arranged early in 1973 by the Student Chapter of the University of Pennsylvania—and expedited assiduously by its distinguished Faculty Advisor, Dr. Frederic Roll, Professor of Civil Engineering—challenges were issued by Penn to all Philadelphia area colleges. Acceptances were received from the ASCE Student Chapters of Univ. of Delaware, Drexel Univ., Lehigh Univ., Swarthmore College, Temple Univ. and Villanova Univ. The specifications for the competition were:

1. Canoe limited in dimension to 14' length by 3' width maximum.
2. Canoe must be constructed of concrete and steel reinforcing, with foam plastic or similar composition materials as necessary for flotation purposes only.
3. Cost of the canoe shall not exceed \$50.00 and it must be built by the participants only.
4. Composition of the concrete as to mix, type of aggregate, W/C ratio, etc. to be at the discretion of the canoe builders.

Padding against high winds and strong river tides, the 12 valiant teams (2 canoes consisting of teams of 2 paddlers were entered by each of the six competing colleges) competed in two preliminary heats and a final heat among the first and second place winners of the preliminary heats (4 canoes)

The individuality, ingenuity and distinctiveness of the canoes' design were

(Continued on Page 6)

"A NIGHT AT THE RACES"

— Annual Game Night —

Sponsored by the Women's Auxiliary, Phila. Section ASCE Engineers' Club — **FRIDAY, OCTOBER 19, 1973, 8:30 P.M.**

(See Women's Auxiliary, Column 2, Page 7, for details)

Enjoy an evening of fun and good fellowship!

Tickets \$1.50 per person — Available at the Door or contact

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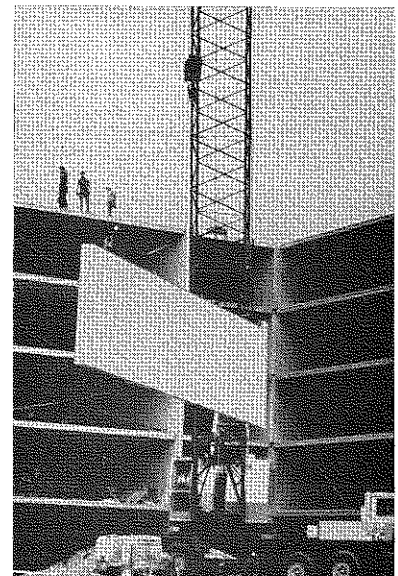


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ITEMS OF INTEREST**Site Engineers Opens Fourth Branch
Drexel Senior Receives its
S.M.&F. Award**

Alan Cohen, President of Site Engineers, Inc., announces the opening of a branch office at 204 State St., North Haven, Conn. 06473. This increases to four the number of branch offices. The firm's main office is in Cherry Hill, N. J. The Phila. Section wishes good fortune to Mr. Cohen—long a devoted member—and his associates.

Frederick L. Ogden, a civil engineering senior at Drexel University, was the recipient, on Honors Day last Spring, of the Third Annual Site Engineers, Inc. Soil Mechanics and Foundations Award. The topic of Mr. Ogden's paper was: "Experimental Study of Penneability in Different Soil Types in Order to Evaluate the Various Theories which have been presented on this Subject."

**ASCE Annual Meeting to
Offer Courses**

Five Continuing Education Courses will be offered in conjunction with the National ASCE Annual and Environmental Engineering Meeting to be held October 29 - November 2, 1973 in New York City. The courses are:

- Air Resource Management (Fri.-Sat., Nov. 2-3)
- Bidding Contingencies and Strategies (Fri.-Sat., Oct. 26-27)
- Effective Marketing of Professional Services (Fri., Oct. 26 or Sat., Oct. 27—two duplicate one-day sessions)
- The Environmental Impact—Management and Assessment (Fri.-Sat., Nov. 2-3)
- Operating a Small Consulting Firm (Fri.-Sat., Oct. 26-27)

Class size is limited. For details, enrollment fees, etc. refer to the brochure on the Annual Meeting mailed to the membership by New York Headquarters, or contact the Manager of Continuing Education, Miss Gail Bays, ASCE, 345 East 47th St., New York, N.Y. 10017 — Telephone: Plaza 2-6800 Ext. 771. Registrations were due around September 17th, so hurry if you're interested.

**Majumdar Firm Opens New
Philadelphia Office**

Dalim K. Majumdar, Ph.D., P.E., a principal of Soils Analysis and Foundations Engineering Company, reports that the firm has opened a new office at 1315 Walnut St., Philadelphia, Pa. 19107 (Phone: 735-5909). They still maintain their original office at 436 Kingston Drive, Cherry Hill, N. J.

**TRENTON BRANCH
20th ANNIVERSARY BOOKLET**

The Philadelphia Section congratulates the Trenton Branch on its twentieth anniversary and applauds its splendid achievements through the years.

Singular salutes and accolades are in order at this time for immediate Branch Past President Donald J. Kroeck, who practically single-handedly compiled, printed and bound a historical anthology in the form of a History Booklet — Trenton Branch, Philadelphia Section, ASCE — 20th Anniversary, October 21, 1953 — October 21, 1973. The booklet has just been printed and Mr. Kroeck is happily distributing it. Inquiries may be directed to Don as follows:

Donald J. Kroeck
N. J. Dept. of Environmental
Protection
P.O. Box 1390, Trenton, N. J.
08625
Phone: (609) 292-2956

**SECTION GROUP INSPECTS
N.Y. - N.J. TRANSPORT PROJECTS**

Through the arrangements of the Phila. Section Associate Member Forum and the Transportation and Urban Development Group—and principally the individual efforts of dynamic Ira N. Pierce (who served as the President of the Forum last year and completes a two-term service as Chairman of the T. & U.D. Group this year), a busload of 40 Section members and guests (including some wives and kids) enjoyed—on Saturday, May 19, 1973—an enlightening field study tour of key transport facilities in the New York - New Jersey Metropolitan region.

Visited and inspected were the following:

- The new Newark Airport complex — opening soon
- Port Newark Container Port — now in operation
- Journal Square Multi-Mode Transportation Center — in advanced stages of construction
- World Trade Center complex, including Transportation Center and overall Facilities Control Center — now open; and
- New York Port Authority Lincoln Tunnel Control Center.

The Phila. Section is very appreciative of the assistance and cooperation of the project sponsors: Metropolitan Section, ASCE; Port Authority of New York and New Jersey; Metropolitan Transportation Authority; New York City Transit Authority and Transporta-

tion Administration; and the Metropolitan Association of Urban Designers and Environmental Planners (MAUDEP). It also expresses its highest commendation to the well-informed and articulate guide of the tour in New York and New Jersey: Carl Sellinger, Principal Civil Engineer, Transportation Planning, Port Authority of New York. And especially to Ira Pierce for his hard work and splendid planning of this most rewarding trip.

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PRINCETON HOSTS STUDENT CHAPTER CONFERENCE

The 35th Annual ASCE Pennsylvania-Delaware Student Chapter Conference was held at Princeton University on April 30, 1973, and it honored and participated in the celebration of 100 years of engineering at that venerated institution. Over 125 students, faculty, Local Section and National ASCE officials and other distinguished guests attended the splendid event, which featured the presentation of eight papers by students of participating schools of District 4: Penn State, Villanova, Lafayette, Delaware, Widener, Drexel and Lehigh. Drexel had two entries in the competition. Other schools who are members of the District Conference are: Penn, Princeton, Bucknell and Swarthmore.

The Student Chapter Conference was instituted in 1926 by the Philadelphia Section and, in 1935, under the guidance of Prof. Scott B. Lilly of Swarthmore College initiated the policy of holding the event alternately at campuses of District 4 colleges. It is now jointly sponsored by Phila., Lehigh Valley, Delaware and Central Pennsylvania Sections of ASCE. Its objective is to indoctrinate students to the test of appearing before an audience of peers, teachers and ASCE officials, to make oral presentations of technical papers which they had researched and authored. A wide range of subjects was covered at this Conference (as is usually the case) ranging from laboratory experiment seminar to pure investigative or literary research. As usual, too, the talks were exemplary.

The fifteen-minute presentation periods provided for five minutes of questions from the audience, a highly successful innovation at last year's Conference at Lehigh University. This gives the students an excellent opportunity to explain specific facets of their papers. Four prizes were awarded, as follows:

First Prize (Tie): (\$35.00)—"Stress-Strain Tests of Polymer Modified Concrete," by Einar Dahl-Jorgensen, Lehigh University.

First Prize (Tie): (\$35.00)—"Light Rail Rapid Transit Solutions to Urban Transportation Problems," by Gary Pfeiffer, Drexel University.

Second Prize: (\$25.00)—"Large Scale Modeling of Cracking in Earth Dams," by Brian S. Sekula, Drexel University.

Third Prize: (\$15.00)—"Investigation of Underground Conduits on Continuous Supports," by Gerard Beck and Thomas Garrett, Widener College.

A special after-luncheon bonus of the Conference was a talk by Prof. Robert

Mark, Dept. of Civil and Geological Engineering at Princeton, on the subject of: "Technical Analysis for History and Criticism." This was a fascinating treatise on the application of photoelastic stress analysis to famous and historic Gothic and other masterpiece structures. Prof. Mark's excellent slides and descriptive commentary were architectural and engineering feasts in themselves.

Brief remarks were made to the assembly by Dr. Robert G. Jahn, Dean, School of Engineering and Applied Science, Princeton University; Prof. Frederic Roll, Univ. of Pa., who described the Concrete Canoe Race (see article in this issue of THE NEWS); Prof. Francis E. Griggs, Jr., Merrimack College, Chairman of National ASCE Student Chapter Committee, who described National efforts to assist Student Chapters; and John E. McCall, National ASCE Director, District 4, who reviewed ASCE affairs of particular current interest. Philadelphia Section Publications Committee Chairman Sidney Robin, served as Chairman of Judges, a rewarding position in which he has cheerfully served at many of these Conferences.

Much credit for the success of this Student Chapter Conference is due Charles J. Hulstrand, President of the Princeton Student Chapter; and Professor Norman J. Sollenberger, Faculty Advisor. Praise is also due Dr. Robert M. Koerner, Chairman of the Student Chapter Committee of the Philadelphia Section, whose invaluable assistance in coordinating the Conference contributed greatly to its achievements.

DR. KOERNER WINS EPA GRANT

Dr. Robert M. Koerner, Vice-President of the Phila. Section, of the Department of Civil Engineering and Dr. Arthur E. Lord, Jr., of the Physics Department at Drexel University were recently awarded a \$50,000 grant from the Environmental Protection Agency. The project entitled "Spill Alert Device for Impounded Hazardous Materials" will be directed toward monitoring earth dams to assess their relative stability against failure. The technique is based upon the acoustic emissions (also called stress wave emissions) which are generated within the dam as it is stressed by the water it contains. The work has considerable practical interest since it is aimed at preventing such recent disasters as the Schuylkill River oil spill and Buffalo Creek, West Virginia tailings dam failures.

SECTION PROFILES



K. J. Zitomer

This column's primary function has been to bring to the Membership's eye the dynamic, younger new members whose ASCE activism has inevitably propelled them into prominence and high position within the Philadelphia

Section. From time to time we have often shifted the spotlight to some veterans of the Section (they're not getting older — they're getting better) whose contributions have been continuous and brilliant.

Such an individual is Kenneth J. Zitomer, who will serve as Director for the 2-year 1973-1975 term. A devoted Section member for over two decades, Ken has served on numerous local and National Committees—perhaps best known as Walter Clark's principal sidekick on the Section's Reception Committee. He has maintained a continuing interest in students, serving as Chairman of the Career Guidance Committee and Student Chapter Contact Member for the U. of P.

A 1948 University of Pa. graduate (BS in CE), Ken completed additional special courses at Villanova and Ursinus College. At Frankford High School and colleges he scored impressive athletic accomplishments in varsity track, basketball and football. He served as a Seaman in the U. S. Navy from 1944 to 1946. He attained the commission of Ensign upon graduation from Penn two years later.

Mr. Zitomer's engineering experience began with the Reading Railroad in 1948 where he served as a Supervisor in the Maintenance of Way Department. In 1953 he joined the Philadelphia Water Department, where, except for a one-year leave as President of the L.J.C. Mining and Development Company on a special project in Arkansas, he has contributed 20 years of professional service in Design, Construction and Management of water and wastewater facilities in the City of Philadelphia. Starting as Engineer, Construction Division, he progressed to Chief of Construction (1964); Chief, Design Branch (1967); and to Deputy Commis-

(Continued on Page 7)

CANOE RACE

(Continued from Page 3)

striking. Drexel used recycled solid waste as its aggregate, for example. The wire mesh of Lehigh's entry was almost entirely exposed. The paint and trim of all the canoes displayed extraordinary originality and finesse. Most of the canoes carried sobriquets: Swarthmore's "Lorelei," Drexel's "The Glass Dragon," accrediting the granulated glass waste used as concrete aggregate; Temple's "Ferro Freddie," etc. Weights of the canoes ranged from Villanova's 150 lbs. to Dela.'s "Toby Terror," 520 lbs.

The first place winner in the finals was Lehigh's team of Craig Schmolli and Wally Greene. Particular credit is due these men because their canoe was scratched from the first preliminary heat by the Coast Guard River Patrol because it was drawing water. Working feverishly, the young men patched the leaks, were allowed to enter the second preliminary, won it in 3 minutes, 8 seconds; and then won the finals in much improved time (2 minutes, 39 seconds).

Second place in the finals was won by Delaware's "Crack Canoe" (2 minutes, 49 seconds), piloted by its builders: John O'Brien and Glenn Lanan, who had earlier placed second in the second heat. Other winners were: **First Heat**—First Place: Villanova, Rick Guarini and Dave Gesemer (2 min., 59 sec.); Second Place, Delaware ("Toby's Terror"), Rich Costello and Jack Ballantine. In ceremonies after the race, winners were presented individual plaques, and a large 5-year plaque — intended to be awarded annually to the college of the winning team. Judges for the competition were Thomas V. Dowd, Pres., Widicombe Engineering Co.; Charles F. Rain, Partner, Rain & Hooven, Consulting Engineers; and your reporter, Sidney Robin, Pres., Zenith Land Development Co. (Chairman of Publications, Phila. Section ASCE). A tasty picnic lunch, beverages and refreshments were arranged at the park site by the U. of Pa. following the races. Expenses of the event were met by entrance fees from

the participating Student Chapters and voluntary contributions (The Phila. Section and individual members of the Board donated \$120.)

Especially gratifying to the arrangers and participants of this historic event was the widespread coverage by Philadelphia's major newspapers (front-page photographs and articles), commentary and filmed documentary on all local TV channels and radio stations. Dr. Roll, his Student Chapter at Penn and the other participating schools are enthusiastically anticipating the **Second Annual Concrete Canoe Race in 1974.**

DRANGE PRESENTS PAPER AT TRANSPORTATION CONFERENCE

Phila. Section President Robert O. Drange delivered a paper on Sept. 11, 1973 at the Fourth Annual Regional Transportation Conference—a two-day convention held at the Sheraton Hotel, Phila., Sept. 11-12. Theme of the Conference was: "Untying the Transportation Knot." The important event was sponsored by the Greater Philadelphia Chamber of Commerce and the PENJERDEL Corporation. Cooperating organizations included over 25 engineering and business professional groups, transportation agencies and port authorities, planning commissions of the area, etc.

President Drange, a partner in the national consulting firm of Howard, Needles, Tammen and Bergendoff, was a member of a panel on the subject: "Transportation and Environment." He shared the platform with James C. McConnon, Esq., Chairman, Southeastern Pennsylvania Transportation Authority; and Daniel J. Snyder, III, Regional Administrator, U. S. Environmental Protection Agency. Later in the conference Mr. McConnon was one of the six recipients of the 1973 Transportation Awards.

Mr. Drange's paper was entitled: "Engineering Perspective on Environment." It analyzed in depth the impact of technological and engineering advances on our society during many decades, even centuries, past and present, and prognoses for the future—particularly in transportation research and development in all categories. He emphasizes the engineer's concern for the environmental effect of his machines and public works—not the disdain of which he is so permiscuously accused by innumerable overzealous environmentalists and "protectors." It is the pseudo-public advocates and self-appointed custodians of Mother Nature who often stalemate critically needed public works facilities to accommodate modern life.

TRENTON BRANCH

HEAR YE!! HEAR YE!!

TRENTON BRANCH TWENTIETH ANNIVERSARY DINNER DANCE

October 26, 1973

FORSGATE COUNTRY CLUBExit 8A N. J. Turnpike
Jamesburg, N. J.

6:30 P.M.—FELLOWSHIP

7:30 P.M.—BUFFET DINNER

8:30 P.M.—ANNIVERSARY PROGRAM

9:30 P.M.—DANCING & FELLOWSHIP

12:00 Midnight—"ON YOUR OWN TIME"

INVITED GUESTS

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OTHER ENGINEERING SOCIETIES

For Reservations forward a check for \$25.00 prior to October 5, 1973 payable to the Trenton Branch ASCE to:

Donald J. Kroeck

46 Rolling Lane

Hamilton Square 08690

609-587-8019

* * *

NEW JERSEY SECTION ASCE

The Trenton Branch Council at the June reorganizational meeting voted in favor of supporting the formation of a "New" New Jersey Section of ASCE as the best means of serving the engineers living and working in New Jersey.

* * *

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1973-1974

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STUDENT CHAPTER NEWS

Villanova Chapter Membership Drive and October Meeting

The Villanova University Student Chapter of the American Society of Civil Engineers started the 1973-1974 school year with its annual membership drive on Monday, September 17, 1973. As a result of the Chapter's consistently high caliber of monthly meetings and its increased services for Civil Engineering students, and partly due to the larger enrollment of Civil Engineering students, the chapter's administration is looking forward to an increase over last year's total of 158 active undergraduate members and 4 graduate members.

The membership drive lasted for one week and concluded with a faculty-student social which was held in the North Lounge of Dougherty Hall on campus. These socials, open to both members and non-members, offer an excellent opportunity for the students to establish the close relationship with the Civil Engineering faculty which is the trademark of Villanova's Civil Engineering Department.

The first monthly meeting will be held at 7:30 PM on Wednesday, October 3, 1973 in Commodore John Barry Hall, on campus. Following the business portion of the meeting, Mr. Alan F. Richter, P.E., Senior Vice President of Sanders and Thomas Inc., of Pottstown, Pennsylvania will speak on "The Dahomey Bridge and Dam Project." This project was recently completed in Africa. Refreshments will be served immediately following the meeting and all members of the parent chapter are cordially invited to attend.

DIED

Zeisler, George H., age 87. A retired civil engineer of Narberth, Pa. A Life Member of ASCE and the Phila. Section, he was also a Life Member of the Engineers' Club, PSPE and the Franklin Institute. The Section's sympathies are extended to Mr. Zeisler's widow and family.

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WOMEN'S AUXILIARY

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September Meeting

The 1973-1974 season was inaugurated at a Luncheon-Meeting September 19, 1973 at the Engineers' Club. The well-attended gathering enjoyed a talk and demonstration by Mrs. Mary Woller on "Egg Decorating Technique."

October Meeting

The next regular monthly Luncheon-Meeting of the Auxiliary will be held at the Engineers' Club on Wednesday, October 17, 1973, 12:00 noon. Principal speaker will be Mr. Marty Carroll on "Floral Arrangements." Some samples of Mr. Carroll's handiwork will be given out among the audience after the demonstration. All wives of Section members are urged to join the Women's Auxiliary this year. Attend the meetings and take part in the progressive and enjoyable activities of this fine group. Membership applications may be made at the meetings, or contact Membership Committee Chairman: Mrs. Richard E. (Mary) Wisniewski, 9950 Dungan Rd., Phila. 19115. Phone OR 6-3821.

"A NIGHT AT THE RACES"

Games and Fun Night

October 19, 1973

Begun in 1971 by the Women's Auxiliary as a successor to the Annual Card Party, this delightful game-party idea has been abundantly successful socially and financially (net proceeds are deposited into the Annette Estrada Award Fund.) This year's event again will have as hosts and M.C.'s radio personalities Alan Woodin and Dick Wexler, who provide exciting and witty commentary during filmed horse races, in which the audience places bets for cash prizes. The projection this year will be in color for the first time. In addition, the hosts conduct a variety of challenging quiz games for miscellaneous gifts. There will also be door prizes, baskets of cheer and other valuable items to win — and snacks and coffee. All arrangements have been made by hard-working Game Night Chairman Audrey Heiser and her staff, who assembled the prizes — do-

nated almost entirely by the Women's Auxiliary members. SO, MARK YOUR CALENDAR NOW — Friday, October 19, 1973 — 8:30 P.M., Engineers' Club. (See display notice on Page 3 for ticket information.)

Scholarship Funds Presented

Pursuant to its policy of many years' standing, the Women's Auxiliary last Spring made financial grants—through its Annette Estrada Award Fund — to deserving civil engineering students of Philadelphia area colleges. Awards in the amount of \$150.00 each were made to selected students of Drexel University, University of Pennsylvania, and Villanova University.

SECTION PROFILES

(Continued from Page 5)

sioner for Engineering (1972), the position he holds at this date.

In addition to ASCE, Ken is affiliated as a member or official of many professional societies, including AWWA, APWA, PSPE and the Engineers' Club of Philadelphia. But he would undoubtedly consider his most important task the Secretaryship of the Olney Midget Baseball League, where his son, Daniel, this year threatens to overwhelm even Hank Aaron's derring-do and prowess!

Married to the lovely and gracious Marie (nee Pearson), the Zitomers are the exultant parents of a daughter (Mary, 20); and three sons (Charles, William and Daniel, ranging in age from 17 to 8). Marie Zitomer has long been an active member and supporter of the Section's Women's Auxiliary. She served as President of that eminent and indispensable Section affiliation during the 1966-1967 year.

Those who know Ken Zitomer well are indelibly impressed with his seemingly perpetual good nature and unselfish disposition to lend a hand or to offer assistance or counsel to those with whom he is associated. The Philadelphia Section, ASCE will always welcome that pleasant countenance, that helping hand and that wise counsel.

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TECHNICAL GROUP ACTIVITIES

Transportation and Urban Development Group

October Meeting

The Kick-Off Technical Luncheon meeting of the T.&U.D. Group is scheduled for **Thursday, October 4, 1973**. James Martin, Executive Director of the Old Philadelphia Development Corporation will present an informative technical description of "A New Downtown for the City of Philadelphia at Penn's Landing." Luncheon is scheduled to begin promptly at noon at the Engineers' Club. The program will end promptly at 2:00 p.m.

James Martin is the Executive Director of the Old Philadelphia Development Corporation, having assumed this post in 1968. He is also Vice President of the Penn's Landing Corporation. He has an extensive record of experience and accomplishment in the areas of housing and redevelopment in Philadelphia.

Mr. Martin received a Bachelor's degree in Political Science from Temple University in 1962. He has also taken graduate work at the University of Pennsylvania in Public Administration.

MAUDEP STUDY TOUR OF ISRAEL

The Metropolitan Association of Urban Designers and Environmental Planners (MAUDEP) has planned a **December 13, 1973** departure to Tel Aviv for its second professional Study Tour of Israel, which this year coincides with the Third World Congress of Engineers and Architects. In the best MAUDEP traditions, as with last year's successful Israel tour, attendees will choose among simultaneously planned programs, including MAUDEP's special professional on-site field visits to key engineered construction, transportation and architectural projects, and meetings with their top public officials, educators, and designers; a full schedule of sight-seeing; personal visits; and, this year, sessions of the Third World Congress that are of individual interest.

Rates for the 10-day study tour, beginning December 13, including air fare, first-class hotels, breakfast, tours and transfers, is \$594 complete; round trip flight alone is \$385 plus \$59 mandatory land arrangements. Rates for the 15-day study tour, first class, is \$797, complete. Inquiries for this program may be addressed to MAUDEP c/o EL AL Israel Airlines, 1845 Walnut Streets, Philadelphia, Pa. 19103; or directly to Ira Pierce (who was last year's tour leader) at (215) LO 7-3000.

ASSOCIATE MEMBER FORUM NEWS

Registration News

Written examinations for registration as Professional Engineers are given every January and June in Philadelphia, Pittsburgh and University Park. This year the local exam is scheduled for January 19 and June 22 at Drexel University.

To be eligible, graduates of an accredited engineering curriculum must have four or more years of experience in engineering work under the supervision of a professional engineer or a similarly qualified engineer of a grade or character to fit him to assume responsible charge of the work involved in the practice of engineering.

Candidates who graduated from college after January 1, 1968, must also take the Engineer-in-Training examination (given on January 18 and June 21).

Additional information and applications for either of these examinations may be obtained from:

Miss Louise J. Franklin, Secretary
Commonwealth of Pennsylvania
State Registration Board for
Professional Engineers and
Surveyors
Box 2649
Harrisburg, Pa. 17105

Also, refresher courses for both exams are given by several local universities, such as Drexel and Penn State (Ogontz Campus). Anyone interested in one of these courses should contact the Department of Continuing Education at the school of his choice. The EIT refresher is given in the Fall and the PE refresher in the Winter and Spring.

Associate Member Forum Liasion Officers

On June 5, 1973, the president of the Associate Member Forum instituted a new program to facilitate the flow of ASCE information particularly to Associate Members. The program calls for Associate Member Liasion Officers (AMLO) to disseminate important ASCE information and solicit comments and suggestions as to how the ASCE can better serve its younger members.

If your firm does not have an AMLO, contact Joe Synchron at MU 6-5539. If your company already has an AMLO, use him as your direct contact with the Associate Member Forum.

Associate Member Briefs

Continuing our past policy, we are printing short resumes of some of our members. It is our hope that this will increase an awareness among associate members and generate new fellowship.

Robert L. Showalter

Bob is a project engineer with A. W. Martin Associates, Environmental Consultants, in King of Prussia. He is presently working on the Schuylkill Parkway, an expressway located along the river between the Beltzwood Bridge and Bridgeport.

An example of the modern engineer, Bob is the computer applications expert for the transportation division at A.W.M.

Bob graduated from Villanova University in 1969 and is pursuing a graduate degree there on a part-time basis.

Dennis J. Mohan

Denny recently joined the Power Division of United Engineers & Constructors Inc. in Philadelphia as a soils engineer in the newly formed Rock Mechanics and Geology Group. In this capacity he will assist the several projects, many of which are nuclear power plants, in soils design and general consultation.

Denny graduated from Drexel University in 1969 and received his Master of Science from there in 1972. He was formerly associated with Site Engineers in New Jersey.

News Items Wanted

This column is the Philadelphia outlet for the Associate Members of the ASCE. All A.M.'s are encouraged to contribute.

Our thanks this month to Jim Robinson for his information on Liaison Officers. Anyone with news of particular interest to Associate Members is asked to forward same to:

Richard Daniels
United Engineers and
Constructors Inc.
5CC
1401 Arch Street
Philadelphia, Pa. 19105

SECTION BI-CENTENNIAL COMMITTEE FORMED

During the past year a committee was initiated to generate ideas and plans as to the Philadelphia Section ASCE's involvement in the 1976 Bicentennial Celebration. To date, the only action that has been taken is that a request has been made to hold an international meeting on **History and Heritage of Engineering** in the Fall, 1976.

We are interested in obtaining additional ideas from all members as to what programs the Section could undertake. Please send information to Robert M. Koerner, Civil Engineering Department, Drexel University, Philadelphia, Pennsylvania 19104 or call at 895-2343.