



the news

PHILADELPHIA SECTION

AMERICAN SOCIETY OF CIVIL ENGINEERS

VOL. 47 - No. 5

Our 62nd Year

FEBRUARY, 1975

FEBRUARY MEETING

Philadelphia Section, American Society of Civil Engineers

Sponsored by the
Hydraulics and Sanitary Group

TUESDAY, FEBRUARY 11, 1975

Engineers' Club, 1317 Spruce Street, Philadelphia

Cocktails — 5:30

Dinner — 6:30

Meeting — 7:30

SUBJECT:

**THE PRAIRIE PLAN — LAND RECLAMATION WITH CHICAGO'S SLUDGE
OUTSTANDING CIVIL ENGINEERING ACHIEVEMENT FOR 1974**

SPEAKER:

FRANK E. DALTON, P.E., Assistant Chief Engineer,
The Metropolitan Sanitary District of Greater Chicago

PROGRAM HOST:

ALAN HESS, Chairman, Hydraulics and Sanitary Group



The Metropolitan Sanitary District of Greater Chicago is implementing an innovative recycle and land reclamation program in Fulton County, Illinois. This project, called the "Prairie Plan", is an expression of the philosophy that pollution is a resource which is out of place. Thus viewed, a costly and environmentally damaging disposal problem becomes an opportunity to increase agricultural production while rebuilding and enhancing soil properties. The Sanitary District has worked closely with the Fulton County Board since 1971 when the

District began to barge most of its stabilized solids, called "liquid fertilizer", 200 miles down the Illinois River to Liverpool, Illinois in Fulton County.

Mr. Dalton has been with the MSDGC since 1963, and is currently Assistant Chief Engineer. He received his Bachelor's Degree from Purdue University and his Master's Degree from the Illinois Institute of Technology. Mr. Dalton is active in many engineering societies, including ASCE, WPCF, and APWA. He has authored numerous papers and received several awards in recognition of his contributions to the literature.

SPECIAL FEATURE:

"Princeton University and Swarthmore College Night"—

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

Free Beer and Refreshments at the Meeting

Mail Reservation Cards Immediately — Win a FREE DINNER!

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

1975 NATIONAL ENGINEERS' WEEK — Feb. 14 to 22, 1975

A committee representing the 50 technical, professional and scientific societies in Delaware Valley has named the Philadelphia Gas Works, Pennsylvania Power and Light Co. and Longwood Gardens to receive awards for outstanding engineering achievements.

Philadelphia Gas Works is being recognized for construction of the world's largest city-owned and operated Liquefied Natural Gas Plant at Delaware and Castor Aves. and Venango St.

Pennsylvania Power and Light Co., headquartered in Allentown, Pa., will receive its award for construction of an "Energy Conservation Home" in Schnecksville, Lehigh County, Pa. This two story single dwelling is scientifically designed not only to conserve heat but to store and reclaim heat from the sun, house electrical appliances, the air, the fireplace, sewerage and drainage systems.

Longwood Gardens, U. S. Route 1 in Kennett Square, Pa., will receive its award for construction of a new \$1.8 million Azalea House.

The Phila. Section membership will receive a detailed pamphlet, describing all Engineers' Week functions. The members are urged to participate actively, especially because our own nominee, Dr. John L. Rumpf is the 1975 Engineer-of-the-Year.

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

THE PRESIDENT'S MESSAGE

This Message is addressed primarily to our members who have not attended the recent Philadelphia Section or Technical Group meetings. We have had outstanding programs and our speakers have brought us real insights into various phases of our profession. As is our custom, we have had members of our Student Chapters as honored guests at our meetings. Their enthusiasm and interest in Civil Engineering gives us the feeling that they as "ready reserves" will carry on with distinction.

Our programs of Technical Group and Section meetings for the remainder of the year promises to be challenging and rewarding. May I urge you to take advantage of these opportunities to renew and stimulate your work in Civil Engineering!

I wish to commend the diligent work being performed by our Technical Groups and Professional Committees. The dedication and efforts of these men and women is most outstanding. We can all take pride in being an Engineer and joining in the activities of Engineers' Week 1975!

Sincerely,

A. O. Quinn, P.E., President

CAREER GUIDANCE MEETING

One of the most worthwhile approaches to improving social conditions is to inform and attract more youth to the field of engineering and related technical fields.

As one element of the Career Guidance Committee Activities of the Philadelphia Section, we are attempting to launch a program of Career Guidance which will establish and develop continuing contacts with youngsters from minority backgrounds throughout the Philadelphia area.

Accordingly, a luncheon-meeting was held in the 8th Floor Conference Room of the M.S.B., 15th and J. F. Kennedy Blvd., at Noon, Thursday, January 23, 1975. Two short Career Guidance films were shown: "Beginnings" and "A Piece of the Action". The first film has a broad-based approach for engineering and technical careers for all youth. The latter film is a recent contemporary film in street talk, specifically targeting urban minority youth. Additionally, reference materials on Engineering Careers were available for discussion.

ASCE National Headquarters is sending in a field representative to help us launch this program. If you are interested in participating, please advise either Walter Clark at MU 6-3839, or Larry Moy at MU 6-5538.

SECTION, AUXILIARY IN JOINT MEETING

An Historic First

On Tuesday, January 14, 1975, the Philadelphia Section, ASCE, and its Women's Auxiliary held a joint dinner-meeting at the Engineers' Club. It was the first time that such an event occurred, and it was an outstanding success. Attended by about 120 members and guests of both groups, and civil engineering students, the good turnout continued the banner attendance records of Section meetings of the past several years. Program co-hosts were Section President Alfred O. Quinn and Women's Auxiliary President Audrey (Mrs. Will M.) Heiser; and principal speaker was Mrs. Caryl M. Kline, Director of Continuing Education for Women, University of Pittsburgh. Mrs. Kline's topic was: "Engineering Power and Politics."

Drexel University Featured

It was "Drexel University Night," and the large contingent of the ASCE Student Chapter, faculty and alumni (more than 50 in all) shared the spotlight. Also attending were many distinguished representatives of the Civil Engineering Departments of other colleges, notably Villanova and the University of Pennsylvania.

Section Vice President Robert M. Koerner, Associate Professor of Civil Engineering at Drexel, acting in the dual capacity of Faculty Advisor, introduced the officers and members of the Student Chapter, day and evening school students, and faculty and alumni. Dr. Walton Purdom, Head of the Department of Civil Engineering at Drexel, spoke briefly about the technical advances and innovations in curricula. He noted that enrollment in this year's class — 104 freshmen — on of the largest in memory, is an encouraging sign of reversal in the trend of receding enrollments in recent years. Participation in the graduate program by 80 full-time and part-time students has necessitated recruitment of additional faculty members.

Mrs. Heiser Takes Over the Gavel

President Audrey Heiser expressed her appreciation to the many Auxiliary members whose presence "... added beauty and warmth to this memorable and noteworthy combined meeting." Mrs. Heiser then introduced our prominent speaker, who has pursued our extraordinary career in political activism, education, as the U. S. Ambassador to the Sierra Leone, West Africa, and as a specialist in diversified national and international social and economic aid programs of the United States Government.

Mrs. Kline radiates a delightful personality, and she has a dynamic speak-

ing style which commands unwaivering audience attention. She enunciates a positive political, economic and social philosophy with deep sincerity and disarming directness. She paid tribute to American engineering skill and ingenuity, which rose spectacularly to the apparent Russian challenge to our leadership in space technology a decade or so ago. She praised civil engineers and voiced confidence in their expertise to meet society's needs, present and future. Through her experiences in Africa with the work of the Peace Corps, Mrs. Kline knows intimately the fine accomplishments of civil engineers in probing sources of water; and constructing reservoirs, purification and distribution systems for this treasured resource, among the primitive areas of the dark continent.

Speaking completely extemporaneously, using no written notes, Mrs. Kline stressed the need for engineers to participate and exhibit aggressiveness in the decision-making councils involving energy-supply research, natural-resources exploration and conservation,

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and continued technological priorities toward the betterment of the people of this country and the world; not to the destruction of mankind through advanced weaponry. The non-technically trained administrators, she said, do not know about things such as exploitation of coal, gas and oil sources and potential supplies; of chemical and physical conversion of solar energy and geothermal exploration. Advocacy by engineers and scientists in matters dealing with the functions of national needs — even though the advocacy be politically and economically controversial is indispensable if they are to fulfill their obligations to the public welfare. "Engineering Power" is useless, she proclaims, unless it is effective in the legislative chambers of this country.

Mrs. Kline deeply regrets the almost-complete absence of engineers in politics. There are few, if any, engineers in the U. S. Senate and House of Representatives. Engineers' potential effectiveness in politics must be recognized not only by the public at large, but by the engineers themselves. This is particularly relevant to civil engineers, admonishes Mrs. Kline, because they are most intimate with the sociological as well as the technical complexities of urban and rural living.

Mrs. Kline is the sister of the late Senator Wayne Morse of Oregon, and she speaks and acts with the same resoluteness and courage that characterized her brother. Senator Morse steadfastly resisted waves of obstructionists and detractors when he knew he was in the right, as in his constant opposition to American military involvement in Indo-China. Mrs. Kline is of course opposed to purely political appointments to administrative positions in the sophisticated areas of city planning commissions and public works agencies. She is no "women's libber" — she avers — but such appointments (she specifically mentioned Pittsburgh's City Planning Commission) should be experts, regardless of sex or political affiliation. "What does a lawyer, or an automobile dealer, or a famous football player? . . ." she asks with keen penetration . . . "know about ecology, pollution, housing, public works, urban planning, conservation, energy-systems expansion? . . ." Political expediency and selfish interest for private privilege, should find no sanctuary in the priceless treasures of the common weal. The engineering profession, warns this bold lady, must persuade National, State and local legislatures and councils to be vigilant against the deliberate or surreptitious waste, ignorance and rape of the public heritage by self-seeking plunderers.

Mrs. Kline exhibited neither hesitation nor reluctance to diverge into general political issues, especially at the National level of present and past administrations. One might not always agree with her views, but he cannot but admire her ingenuousness and spunk, and the logic of her arguments. She continually reverted to her main thesis that engineers should grind their professional axes and speak up at hearings at all levels of government to help attack and offer solutions to the myriad technological dilemmas of our time. Nor did she let the ladies off the hook. Women, she said, must express their ideas and opinions on the issues which bear on improving the conditions of life in our land. Everyone must share in the burden; we cannot renege on our obligations or blindfold ourselves to the responsibilities we all must bear to ourselves and our posterity. Do it in any manner you choose, she counselled — but participate: by financial contribution to the candidates who project your views; by running for office yourselves; by public advocacy of progressive causes — individually or as a member of political groups.

Our elegant guest — who has the personal experience and broad background of political activity, including candidacy for public office — is eminently conscious of the risks involved in espousing unpopular political or social causes and principles. These include sensitive issues such as open housing, recognition of Communist China and Soviet-allied satellite countries; the early condemnation of the tragedy of our errors in intervention into purely local disputes of other countries, such as Vietnam. Mrs. Kline's caveat is that, while we cannot walk away from the problems and hard issues, we can contribute money, time, effort — to attempt seriously to create and maintain the kind of environment and democracy which we all cherish.

In a brief question and answer period following her inspiring talk, Mrs. Kline responded to a diverse and broad range of questions on politics, economics, women's rights, sociology. The answers were straightforward, open and direct. The audience was pleased and appreciative. They rewarded her with an extended standing round of applause. President Quinn presented Mrs. Kline the Section's customary Certificate of Appreciation.

This meeting will be remembered and discussed for a long time to come. We shall surely repeat the joint meeting format in the future with the women of the Auxiliary " . . . adding beauty and warmth . . ." And an exceptional speaker.

SECTION PROFILES



This month's Profiles subject admonished your editor: " . . . easy with the adjectives!" Well, that's an unburdened instruction to follow. Because to portrait James W. McPhillips, one uses

but superlatives.

So here it is, in a word: "SUPERCALIFRAGILISTICEXPIALIDOCIOUS!" (With apologies to "Mary Poppins").

Jim McPhillips possesses that enviable (and — to lesser men-frustrating) characteristic of making every job look easy. But his proficiency in this is no accident. It derives from an encyclopedic mind and a disciplined intellectual regimen which uses time to ultimate advantage. And Jim's activities are copiously extensive. At the Philadelphia Section, he is General Chairman of the 1976 National ASCE Convention, which we will host. He was Section President 1969-1970, after serving through the official ranks of Director and Vice President. He has been a member of innumerable Section committees through the years.

At ASCE nationally, Mr. McPhillips was the first chairman of the newly formed Committee on Public Affairs, a part of the Activities Division of the Professional Activities Committee (PAC). He recently completed a distinguished four-year term during which he authored a widely distributed treatise entitled: "Guidelines for Engaging in Public Affairs Activities." Several essays on the subject were presented at major ASCE conventions. Jim is also currently active on the National ASCE Committee on Highway Construction, Operation and Maintenance; the Committee on Convention Policy and Practice; and he was recently appointed by the Board of Direction to the National Transportation Policy Committee.

In his present position of Chief Engineer and Surveyor, Philadelphia Department of Streets, Jim's major field of engineering practice embraces Public Works Engineering, transportation, bridges, streets and highways. His advice and counsel in these categories is solicited nationally by municipalities and private firms and agencies. Appertinent

(Continued on page 4)

SECTION PROFILES

(Continued from page 3)

to his position in Streets, he is President of the Board of Surveyors; and he is a member of the Fairmount Park Commission and the Mayor's Task Force on Transportation Quality.

In addition to ASCE, Jim McPhillips' professional affiliations include the American Public Works Association, the Transportation Institute and the Public Works Management Institute. In educational matters, he is a member of the Temple University College of Engineering Technology Advisory Committee, and the Nazareth Academy Educational Advisory Board. He serves on the Boards of two Parent-Teacher Associations.

How does a man of such abundant enterprise manage time for "other interests?" Only an exceptional one — like Jim — whose diversions include reading, opera, theater, orchestral music appreciation, vegetable gardening, and French cooking . . . Oh, yes! two other small details: being a devoted husband and provider to his lovely, perceptive and understanding wife, Helene and supporting and keeping track of six kids!! The McPhillips family lives in the Torresdale section of Philadelphia.

The Philadelphia Section, ASCE, possesses in Jim McPhillips a capital asset, rich and productive. We can expect many more productive, invigorating years of beneficent service dividends from this stalwart man. We are very proud that he is one of us . . . With or without adjectives!

RITCHIE HEADS COMMITTEE

Allan Ritchie has been appointed as Chairman of the Continuing Education Committee for the Philadelphia Section. In making the appointment, the Section's Board of Directors emphasized the need for an ongoing, forward-looking committee to keep in touch with the needs of the membership, as well as complete familiarity with the programs and resources available in Philadelphia.

The committee is now being organized with representatives of as many differing technical specialties as feasible. Its first task will be to determine the needs and desires of the membership. A report with recommendations to the Board is proposed for issuance in May.

Implementation of a program in continuing education will be scheduled for late 1975. Members desiring to make suggestions, or interested in serving on the committee are encouraged to notify Allan Ritchie, Site Engineers, Inc., 22 Olney Avenue, Cherry Hill, New Jersey 08003, (215-922-5024 or 609-424-5400).

ASSOCIATE MEMBER FORUM NEWS

Meeting Wednesday, February 26, 1975
Engineers' Club — 12:00 noon

Luncheon Meeting

Subject: "Alternate Methods of Sludge Disposal."

Speaker: Edward J. Trojan, Director of Soils Unit, PENNDOT

Program Host: Joseph Thompson, President, A.M.F.

Mr. Trojan will explore the beneficial use of sludge for core embankment, agricultural fertilizer, and other salutary purposes. He will also explain disposal by incineration and other innovative methods.

For luncheon reservations, please call Joe Syrnick, MU 6-5539.

Employment

An employment brochure titled "Job Finding for Civil Engineers" is available on request from ASCE Headquarters, New York. It has suggestions on preparation of resumes and where to look for a better position.

Heritage

History buffs will enjoy reading the **Biographical Dictionary of American Civil Engineers** (Available from ASCE Headquarters, \$2.50 for members, \$5.50 for non-members).

Future of Highway Program

At a recent meeting of the Delaware Valley Section of the American Society of Highway Engineers (ASHE), PennDOT's District Engineer for the Philadelphia area, Joseph P. Synkonis, Jr., discussed the outlook for future highway work in this region. Mr. Synkonis stated that the prospects for this district, which comprises Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, are comparatively bright. Considering merely the projects presently proposed and ready to be acted upon, PennDOT's personnel will have challenging work to last into the 1980s. This contrasts with other area of the state where most of the major transportation needs have been met and funds are not available to meet some of their lower priority needs. PennDOT engineers will be called upon to show flexibility in expanding their expertise to perform work

different from the traditional highway-transportation work. This includes performing environmental and TOPICS type studies. Mr. Synkonis gave recognition to his district's personnel for having acquired expertise in noise and air pollution studies and said that he considers his personnel superior to any in the state performing this type work.

In summary, Mr. Synkonis indicated that in the future the major thrust of highway improvements will be toward optimization projects and that the involved personnel will be expected to be versatile.

Associate Member Briefs

Joel M. Koppelman, a Traffic Engineer with Simpson and Curtin, is pursuing an MBA at the Wharton School of the University of Pennsylvania. Joel will continue his association with Simpson and Curtin on a part time basis.

Norman G. Weintraub, an engineering supervisor with the Philadelphia Water Department, is this year's Reception-Vice Chairman. Norm is a graduate of Lehigh University and is presently doing graduate work at Villanova. Part of Norm's responsibility is to greet members at the monthly main Section meeting. Why not come out next month and meet Norm?

Leapson Addresses Jan. 22nd Meeting

Despite adverse weather conditions, a number of Associate Members attended the monthly AMF meeting on January 22nd.

The speaker, John H. Leapson, spoke about his strong convictions that engineers should enjoy their work. He pointed out that there were many factors to be considered when choosing employment and that engineers should not be reluctant to change jobs if they feel that they are not fulfilling their ambitions. Mr. Leapson emphasized that monetary considerations should not be the determining factor in holding a job, and noted that over a lifetime, many skilled laborers earn as much or more than many engineers. The engineer should anticipate questions that will be asked of him and make sure that he is completely satisfied with his proposed solution.

Jack quoted a saying of one of his previous employers as follows: "We should work every day as though it were our last and design as though we were going to live forever".

As promised, the luncheon was started punctually and concluded on time. We would like to see many other associate members (and members too) at our next luncheon meeting on Wednesday, February 26th.

(P.S. The Engineers' Club did it again — and unbeatable ham steak platter, soup, dessert, and coffee for \$2.00.)

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KOERNER RESEARCHES TRASH AS BUILDING MATERIAL

Imagine working in a high-rise building held together with animal glue. Preposterous? No, says Phila. Section First Vice President Robert M. Koerner, Assistant Professor of Civil Engineering at Drexel University, who has been for some time engaged in a comprehensive research project investigating new sources for building materials. As Dr. Koerner sees it, the construction industry is on the brink of a raw materials crisis, and may be the first major segment of the economy to replace virgin materials with recycled rubbish. "With all it has going for it," says Bob, "— protecting our resources while reducing solid wastes — recycling could become a giant industry itself."

Dr. Koerner's research has borne fruit in his work with concrete. (it will be recalled that in last year's concrete canoe race, Drexel's entry used concrete having recycled trash — broken glass, etc. — for aggregate, and scrap metal for reinforcing). He predicts that, because the demand for the primary ingredients of concrete — crushed stone and sand — has reached two billion tons per year, and the scarcity of iron ore has doubled the cost of reinforcing rods, the basic economic laws of supply and demand make the construction industry the most likely candidate for the exploitation of recycling techniques.

To prove his point, Dr. Koerner went to area junkyards and collected discarded refrigerators. By laboratory testing, he found that crushed glass could replace conventional sand and stone aggregate with minimal loss of concrete strength. Other tests showed that fibers of shredded scrap metal provided as much reinforcement as milled steel rods. In his quest for substitutes for cement, he is currently testing animal glue, an ancient adhesive made by boiling skins, hoofs and other animal substances in water.

"Right this minute," proclaims our enterprising and ingenious professor, "our waste materials could be mixed with conventional cement and used for pave-

ments, building facades and other applications where great strength is not needed. With additional research we should be able to prove that recycled debris has the strength and reliability necessary for all types of heavy construction, such as buildings and dams."

Right on, Bob! And your editor of THE NEWS volunteers to be a plant procurement officer and materials contributor. Could you use 25,000 tons of recycled copy material?

STUDENT CHAPTER NEWS

U. of Pa. Award Proposal

Named by the Philadelphia Section as the 1974 Outstanding ASCE Student Chapter of the Delaware Valley (see THE NEWS, December, 1974), the University of Pennsylvania Chapter has submitted — and the Section's Board of Directors accepted at its January 14th meeting — a proposal to use the cash award. It will be a donation by the Chapter to the College of Engineering and Applied Science toward cost of renovation of a classroom as a student lounge. To date no such facility for engineering students exists; and a lounge would be advantageous to students desiring a comfortable place to exchange ideas in a relaxed atmosphere. Budget tightening diverted most of the funds the University originally designated for the project, and abandonment would be very disheartening to the students, who have labored long and hard for the lounge.

It is planned to place a plaque in the new facility naming the Philadelphia Section, ASCE as the source of the donation as its award to the U. of Pa. Student Chapter. The Chapter feels that use of the cash award in this way would accrue long-term benefit to present and future ASCE Student Chapter members and to students of other engineering branches at the University.

The formal proposal was made by letter and oral presentation at the Section Board meeting by R. Douglas Olmstead, Jr., President of the Student Chapter; and Dr. John Keenan, Faculty Advisor. The amount of the award voted by the Section's Board of Directors was \$250.00.

WITTES AUTHORS ARTICLE ON FLOATING ISLANDS

David R. Wittes, a former chairman of the Construction and Structural Technical Group has had an article entitled "The City of the Future — Floating on Man-Made Islands", published in CONSULTING ENGINEERING magazine (December 1974).

The article explains in uncomplicated terms how, by utilizing Archimedes' Principle, permanent floating facilities, even cities, can be constructed on water. Mr. Wittes outlines the most important considerations as being stability, longevity, and economy and briefly describes techniques to offset the dynamics of wave and tidal actions, impacts, and variable loading conditions. The author also notes that careful thought must be given to the types of materials that would offer permanence, and to the shapes that could be most easily and economically fabricated and floated. Further, he noted that careful consideration must be given to local zoning and building codes to assure compatibility with height and setback restrictions, etc.

Mr. Wittes states that man-made land floating permanently on water could be a relevant answer to some of the problems of urbanism and ecology. He notes that as the growth of cities shrinks due to a lack of land, the new era of the ocean may well help to resolve some of man's self-inflicted difficulties. New industries might very well develop that use the ocean's energy and minerals and the concept could act as a catalyst for developing the technology necessary to harvest undersea treasures.

While Mr. Wittes acknowledges that the floating of land may not be necessarily the universal site solution for new towns and inner city expansion he feels that it may become a noteworthy, and in some instances, the preferred method of extending land where all the parameters of good urban growth dictate its validity.

The very interesting article is highly recommended to those Section members principally interested in new, ingenious and unconventional structural concepts.



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TECHNICAL GROUP ACTIVITIES

The following Technical Group Meetings for February are listed on the master schedule. No confirmation of dates or details have been received by THE NEWS at press-time.

Geotechnical Engineering

Date: **Tuesday, February 18, 1975**

Engineers' Club — 7 p.m.

Subject: **Design of Airport Pavements**

Speaker: **Mai Yang, Tang-Stevens-Fabian, New York City**

Program Host: **Alfred McClymont,**
Chairman, Geotechnical Engineering Group

*

Structural

Date: **Thursday, February 27, 1975**

Engineers' Club—12 Noon Luncheon

Speaker and Subject to be announced

*

Transportation and Urban Development

Date: **Thursday, February 20, 1975**

Engineers' Club—12 Noon Luncheon

Speaker and Subject to be announced

CENTRAL JERSEY BRANCH

New Jersey Section - ASCE
(Formerly Trenton Branch)

February Meeting

Date: **Tuesday, February 18, 1975**

Fellowship 6:00 P.M.

Dinner 7:00 P.M.

Meeting 8:00 P.M.

Location: Princeton University, Engineering Quadrangle, Faculty Lounge, Room C-225. Located on Olden St. off of Nassau St. (Route 27) in Princeton, N. J.

Speaker: **Mr. Sewart Watson,** of Watson-Bowman, Buffalo, New York, manufacturers of Structural Joints and Fasteners.

Topic: Innovative Construction and Fastening Techniques throughout the World.

All Central Branch and New Jersey and Phila. Section members, wives, and guests are cordially invited to attend. Please get your reservations in by noon on Friday, February 14, 1975 to David B. Christian, Secretary Central Jersey Branch, 146 W. Richardson Avenue, Langhorne, Pa. 19047. Phone (215) 757-7802. If you get a recording, please state clearly your name, that you are reserving for February ASCE, and how many places. An open bar and dinner will cost \$6.00 per person.

P.S. Don't forget "Princeton Nite" is usually one of the best meetings of the year for students and members to renew friendships. Come out and support your branch and the Princeton Student Chapter.

1975 MEAD PRIZE FOR ASSOCIATE MEMBERS

The Daniel W. Mead Prize for Students was established in 1939 to honor the memory and accomplishments of the 67th President of the American Society of Civil Engineers. The current contest provides another opportunity for alert young civil engineers to further their professional development and gain national attention.

The general rules for the competition are:

- * Papers are to be written on "THE CIVIL ENGINEER IN POLITICS: WHERE DO YOU DRAW THE LINE?" This can be annotated as follows: The awarding of public contracts is not always based on professional ability alone. Many factors influence the final selection of a professional. The Engineer who seeks these contracts must present himself in a favorable manner. The question is to what extent and by what means can an individual try to influence the official or agency awarding the contract?
- * Authors must be Associate Members of the Society.
- * Only one person can write each paper.
- * Each Section can submit only one paper.
- * Papers must contain no more than 2,000 words.
- * One winner will be selected from each of the Society's four zones.
- * The national winner, selected from the zone winners will receive a wall plaque and a certificate.
- * The paper by the national winner will be published in CIVIL ENGINEERING or in ENGINEERING ISSUES.
- * By **May 1, 1975**, seven copies of each paper must be submitted through the Section Secretary to AMERICAN SOCIETY OF CIVIL ENGINEERS, United Engineering Center, 345 East 47th Street, New York, New York 10017.

It will be recalled that a Philadelphia Section member was the winner of the 1974 Mead Prize. He is **John E. Spitko**, Special Assistant to the Office of the Deputy Commissioner for Engineering, Phila. Department of Water. John's paper was on the 1974 theme: "The Engineer's Response to Non-Engineering Criticism of His Professional Work" (See a full report on this in the October, 1974 issue of THE NEWS).

So, get with it fast, Associate Members! You have good inspiration to get to work with your papers. Let's see if the Philadelphia Section can repeat last year's achievement. Remember the deadline date for papers: **May 1, 1975.**

NEW MEMBERS

Ramesh Bhatia
George Blaszkowski
Bruce W. Bleser
Herman Brandes
David Burley
Jon Caracasa
Frank Celluoci
James Columbo
Thomas DiClemente
Albert Ducker
Greg Embriani
William England
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Richard Stoneback
Donald Stump
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