



AMERICAN SOCIETY OF CIVIL ENGINEERS

the news

PHILADELPHIA SECTION

Vol. 50 - No. 3

Our 65th Year

December, 1977

DECEMBER LUNCHEON MEETING

Philadelphia Section, American Society of Civil Engineers

WEDNESDAY, DECEMBER 14, 1977 - 12:00 Noon

Engineers' Club, 1317 Spruce Street, Philadelphia

Cocktails — 11:30 A.M. Dinner — 12:00 Noon Meeting — 1:00 P.M.

SUBJECT:

SEWAGE SLUDGE COMPOSTING

SPEAKER:

DR. J. F. PARR, Bio Waste Management Laboratory, U.S.D.A.

PROGRAM HOST:

HAROLD GILMAN, Chairman, Hydraulics and Sanitary Group

The topic of sewage sludge disposal—particularly in light of land disposal alternatives—will be discussed by Dr. J. F. Parr of the Beltsville, Md. National Agricultural Research Center. The development of composting as a viable alternative to other methods of disposal and/or utilization will be considered through process and cost comparisons of composting with sanitary landfill, ocean dumping, and incineration.

Particular emphasis will be placed on the work being done by Dr. Parr on the "aerated pile" composting method. The disposition of heavy metals and pathogens together with the land reclamation (fertilizer) aspects of composting will be stressed.

Dr. Parr received his B.S. degree in soil chemistry from Washington State University in 1952. Subsequently he spent three years in agriculture extension work leading to a Masters degree in soil microbiology from Purdue University in 1957 and a Ph.D. in soil microbiology and bio-chemistry (also from Purdue) in 1961. Dr. Parr's experience includes four years in fertilizer research and development at the Tennessee Valley Authority in Alabama followed by eight years with the U.S. Department of Agriculture research service at Baton Rouge investigating pesticides. Dr. Parr has been at Beltsville for over two years where he is presently Chief of the Biological Waste Management and Soil Nitrogen Laboratory.

SPECIAL FEATURE:

SWARTHMORE NIGHT

This month the Phila. Section honors the Civil Engineering Department, ASCE Student Chapter, faculty and alumni of Swarthmore College. All Swarthmore students, faculty and alumni are urged to attend.

READING BRANCH

The next meeting of Reading Branch is Ladies' Night and will be on **Friday, December 9**, at the Abe Lincoln Restaurant, 5th and Washington Streets. **Earl Heydinger** will speak on "Historical Aspects of Canals and Railroads of Southeast Pennsylvania." Dinner will be at 7:00, the meeting at 8:00. Contact Joel Caves at (215) 775-2600, extension 4185 for reservations. Philadelphia Section members are welcome to all Reading Branch meetings.

MEMBERSHIP DRIVE

The Membership Committee seeks leads as to prospective members who may be seeking information concerning ASCE activities. If you know someone who might be a candidate for membership, please contact Joseph R. Synchronick, Membership Secretary at MU 6-5539. The committee will take it from there.

HELP!

Anticipating an overwhelming response to the above notice, the Membership Committee is looking for a couple of people who could help out with membership activities. Don't panic!! You won't be deluged with work and this could be your opportunity to test out the stuff you learned in that Dale Carnegie course you took. If you think you might be able to help, please contact Joe Synchronick (MU 6-5539).

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.

Mail Reservation Cards Immediately — Win a FREE DINNER!

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

NOVEMBER MEETING

November 8, 1977 Engineers' Club

Editor's Note: THE NEWS is grateful to **William M. Malarkey**, President of the Section's Associate Member Forum, and capable Program Host at the meeting, for the following writeup.

More than 150 students and Phila. Section members were present for one of the most dynamic presentations in recent years as **John D. Loizeaux**, President of Controlled Demolition, Inc. (CDI) was guest speaker for the November meeting.

The pioneering firm in structural demolition using explosives, CDI has over 2500 projects to its credit, with a perfect insurance record. Considering the close proximity of churches, offices, and other important buildings to some of their projects, this is an outstanding record indeed.

Also present was John's wife, **Freddie Hill Loizeaux**, the secretary-treasurer of CDI, who provided some very interesting commentary and sidelights to the presentation. It was soon obvious to all that she expertly handles much of the firm's public relations.

"Villanova Night"

The meeting shone the spotlight on the ASCE Student Chapter and Civil Engineering Department of Villanova University. A large contingent of students, alumni, and faculty turned out to be honored. Civil Engineering Department Chairman **Dr. Edward Wallo** introduced Villanova Student Chapter officers and members, alumni and faculty. He also presented Dean of Engineering **Dr. Robert D. Lynch** and Faculty Advisor **Dr. Lewis J. Mathers**.

Dr. Wallo conveyed the encouraging news that civil engineering enrollment at Villanova is increasing. He reviewed present and proposed programs in the Department.

Villanova Student Chapter President **Bob Lund** summarized the group's sports accomplishments (Positive and negative) and technical events. (A detailed report appears elsewhere in this issue under STUDENT CHAPTER NEWS — VILLANOVA).

After a brief introduction, Mr. Loizeaux showed a film of numerous CDI projects and interjected commentary. The projects included reinforced concrete and steel-framed buildings, bridges and chimneys. Not shown were earthmoving and tunneling operations, which do not lend themselves to photography very well. One extremely interesting item is CDI's ability to either fell a chimney (knock it over horizontally) or "tele-

scope" it - that is to bring it down vertically. John explained that basically, he "mixes explosives with gravity" and that CDI's success is based more on experience than on theory.

One important aid in blasting has been the development of "shaped charges" which can be used to focus forces of as much as 3,000,000 psi on a small area and can easily cut through steel plates. This enables large structures to be demolished using a surprisingly small amount of explosives.

Among CDI's noteworthy projects were the Traymore Hotel in Atlantic City (which was blocked by six different injunctions before demolition could begin), an eyebar suspension bridge over the Ohio River (a twin to the ill-fated "Silver Bridge"), the Pruett-Igoe housing project in St. Louis, and most recently, the Biltmore Hotel in Oklahoma City.

During the presentation of the film, one could notice puffs of smoke at various points on the structures at the instant of detonation. It turns out that Mrs. Loizeaux buys 5-lb. bags of flour which are placed over the explosive charges as a check to make sure that proper detonation does occur.

The film ended with the now-familiar Miller Beer commercial, which was well received, perhaps due to the large representation of Villanova students and Alumni.

During the question and answer session, Mr. Loizeaux stressed the fact that from his world-wide travels he has found the best place to live and work is right here in the U.S., but he warned that we are slowly having our freedoms and incentives eroded by governmental regulations. He also stressed the importance of good press and public relations. For instance, when CDI gets involved in an urban demolition job, they make sure to let the neighborhood, the local press and civic groups know exactly what CDI intends to do on the project and what can be expected in the way of flying debris, explosive concussion, or more properly the lack thereof, and so forth. Another factor in allaying fears is that the Loizeaux family as a unit is on the project and does most of the dangerous work prior to blasting.

John ended his presentation with an appeal directed especially at the younger members of the audience to keep in mind that opportunity does exist in this country for those with faith in God and in themselves, and who are willing to invest their time and talents into productive work.

President Brian Lewis presented our talented and interesting speaker the Section's Certificate of Appreciation at the conclusion of his splendid presentation and the lively question-answer period.

Prior to the main speaker, Section Vice President and Technical Group Coordinator **Joe Welsh** filled us in on the Technical Group activities, which are listed elsewhere in THE NEWS.

SECTION MEMBERS!

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

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**COPY DEADLINE FOR
JANUARY, 1978 ISSUE
DECEMBER 19, 1977**

TECHNICAL GROUP ACTIVITIES

Geotechnical

Date: Tuesday, December 20, 1977

7:00 P.M. — Engineers' Club

Subject: Building Development on a
Municipal Refuse Fill

Speaker: Richard Mabry, Woodward-
Clyde Consultants

Program Host: Dr. Jack Rosenfarb,
Chairman, Geotechnical Group

Refreshments are served.

Hydraulics and Sanitary

Sponsoring Main Section Meeting
December 14, 1977. See Title Page.

T & U D GROUP HOLDS FIRST MEETING

The Phila. Section Transportation and Urban Development Group's first meeting, on the topic of Financing Public Transportation, drew 50 people on October 20, 1977 to hear Franz Gimmler of the Urban Mass Transportation Administration and John Bailey, from the local consulting firm of Louis T. Klauder and Associates. Mr. Gimmler has served at both the national and regional levels at UMTA, and is presently Regional Director for Region III, with offices located in Philadelphia and responsibility for programs in six states plus Washington, D.C. Dr. Bailey has long been associated with the concept of public support for transit services. He directed the City of Philadelphia's initial commuter rail subsidy program during the late 1950's and early 1960's, and since then has worked on transit policy matters in several cities around the country.

The speakers' comments were directed particularly at problems in the greater Philadelphia area. Two underlying concerns were expressed: (1) the size of the SEPTA system and (2) SEPTA's need for an adequate funding base.

System size was seen as resulting from the political difficulty of pruning

the network inherited from several former private operating companies to eliminate duplicate and competitive services. SEPTA was described as an operation trying to catch up, but being unable to do so because of the inability of the region's political leadership to identify common goals relative to transit and then pull together to reach them.

Perhaps the most glaring shortcoming in this regard is SEPTA's continual financial crisis, both in the areas of capital and operating funding. This problem needs to be addressed in two ways.

First, SEPTA needs an assured funding base. But it probably will not be possible to provide such a base to support the system at its present size. This leads to the second need: to revamp the planning process so that system rationalization can proceed. It was suggested that planning for transit should include long range or policy analysis at the county, city and regional planning agency levels, with short range or operational planning being conducted by the transit operators, i.e., SEPTA and the Delaware River Port Authority. Long range work should aim to show the need for more dollars and/or institutional changes, while short range planning should consider such concerns as operating plans based on assured funding levels, the effects of system aging on costs and marketing implications such as the quantity and quality of service offered as well as fare levels.

THE FALL SOCIAL

A Reception at the Zitomers

Following the overwhelmingly successful precedent established last year by Treasurer Ted Davis and wife Eleanor, the Philadelphia Section's 1977 Fall Social was an "at-home" party held at the beautiful Oak Lane mansion of former Director Kenneth J. Zitomer and his lovely wife Marie, a Past President of the Women's Auxiliary. The event was sponsored and arranged by the Section's Women's Auxiliary as a fund-raiser for the Annette Estrada Memorial Fund to assist financially, deserving Civil Engineering students at area colleges.

Genial hosts Ken and Marie were assisted by their son Danny, who deftly maneuvered through the crowd (nearly 100 persons attended) accommodating the guests. Deserving high praise also is Annette Estrada Awards Cocktail Party Committee Chairman Ann (Mrs. James D.) Leasure, who assisted Marie

in coordinating the many details of the function. Perennial and infallible helper Natalie (Mrs. William K.) Clayton, Treasurer of the Auxiliary, contributed her gracious presence and indefatigable talents in making the party a social and financial success.

The Section's gratitude is extended to the many ladies who "pitched in" the attractive and savory food preparations and delicacies, and to the Section members who paid modest admission contributions to cover costs and enhance the Memorial Fund.

The Philadelphia Section salutes the hard-working Zitomers for their graciousness and finesse in hosting this marvelous affair; and it congratulates the Women's Auxiliary for yet another "win."

ASCE NATIONAL PRESIDENT

ASCE Zone 1 members will be nominating a candidate for National President-Elect at the Zone 1 caucus meeting to be held February 1 and 2 in New York City. Two candidates actively seeking the nomination are Joe Ward, current Zone 1 Vice President and President of Joseph S. Ward, Inc., and Russ Jones, Dean of Civil Engineering at the University of Massachusetts.

Phila. Section delegates to the caucus are Vice Presidents Joe Walsh and Chuck Pennoni, and Bob (Robert L.) Gifford, Vice President of the Reading Branch. If you have personal knowledge of either candidate, please communicate your thoughts to these delegates to help guide them in voting. The Philadelphia Section is allowed three votes, one for each 500 members or part thereof. Our Section consists of approximately 1,300 assigned members.

Messrs. Welsh and Pennoni can be reached by addressing your communications to the Engineers' Club, 1317 Spruce St., Phila. 19107. Mr. Gifford's office is Gilbert Associates, Inc., P. O. Box 1498, Reading, Pa. 19603.



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HYDRAULICS & SANITARY

October Meeting

On October 26, 1977 the Hydraulics and Sanitary Group had a very lively presentation given on the topic, "Pilot Plant Removal of Trace Organics from Drinking Water" by Joseph V. Radziul, Chief of Research and Development of the Philadelphia Water Department.

The topic discussed was particularly timely since the Environmental Protection Agency is in the process of adding organic standards to the primary drinking water regulations under PL 93-523, the Safe Drinking Water Act. These standards will affect the design of all new large water treatment plants and may require extensive modifications to existing facilities throughout the U.S. Although these have not as yet been officially proposed by the federal government, the regulations will address compounds which are deemed to be carcinogenic in the trace amount found in water.

Mr. Radziul described the extensive research program being conducted by Philadelphia to evaluate different disinfection and adsorption processes which can be implemented at its three treatment plants. The work is being performed using a \$315,000 Advanced Water Treatment Pilot Plant located at the Torresdale Plant. The pilot plant draws water from the Delaware River and treats it in a similar manner as the full size plant. The unit can then test ozonation, chlorine dioxide and carbon and resin adsorption performance. The analytical methods for testing are very sophisticated involving extraction and concentration of low level organics and identification using gas chromatographs and mass spectrometers. The Water Department has the in-house capability to perform this work at its new Organics Research Laboratory, and the methods were developed over the past ten years in joint research ventures between the Water Department and Dr. I. H. Suffet of Drexel University.

While these new drinking water reg-

ulations are expected to be in effect in a few months, the design information necessary for construction of treatment processes will not be available for at least one to two years. Mr. Radziul stated that intensive work similar to the work being conducted in Philadelphia will be sponsored by EPA so that performance of new processes for removing trace organics can be determined for surface and ground waters throughout the nation. A novel approach to treating drinking water which Philadelphia plans to evaluate under a grant from EPA will be the use of ozonation in conjunction with biologically activated carbon (BAC). Philadelphia expects to have completed its research and a preliminary design of the process changes required for Torresdale within one year.

Mr. Radziul terminated his presentation with an open invitation to all members of ASCE to visit the pilot plant.

Chairman Hal Gilman expressed the appreciation of the 50 members who attended this luncheon meeting held at the Engineers' Club by presenting the speaker with a certificate of appreciation.

ASCE STUDENT CHAPTER NEWS VILLANOVA

by Robert Lund, President

Chapter Active Professionally...

The fall semester has been very productive here at Villanova. To date, our Chapter has had three meetings with a fourth planned for December 7. The topic of the first meeting involved the method of writing a resume and gave various insights into the taking of interviews. It was presented by Villanova's Career Development Center. Our second meeting hosted a V.U. graduate, Lt. Len Scullion, who is with the Navy's Civil Engineering Corps. He gave a fine presentation on the planning and construction of the Trident Submarine Base in Bangor, Wa. Offshore drilling was the subject discussed at our most recent meeting. Byron Behrens from the Atlantic Richfield Company presented this topic.

As you can tell, we try to bring in a wide range of disciplines throughout the course of each semester. Our December meeting will feature **Randall Cronin** who will talk on prestress, segmental concrete box beams. Everyone is invited to attend any of our various functions.

... but Not too Successful in Sports

Again this year, Villanova bowed to Drexel's ASCE Chapter in their annual

gridiron clash. (The score was 13-0.) Afterwards the gladiators, along with the numerous spectators, devoured all the hot dogs and beer supplied. Everyone who attended had a great time. Another social event we held was a TGIF (Thank God it's Friday). For those who are not acquainted with this term, it is Villanova's name for a beer bash. It was held jointly with the IEEE and SWE Chapters that are on campus.

This year, there has been a lot of interest generated within the Chapter. Those alumni who attended the Homecoming game saw us take 2nd prize in the float competition. This type of enthusiasm was also demonstrated at the recent "Villanova Night" at the Engineers' Club. This meeting was attended by a large contingent of Villanova students and alumni. A special thanks goes to the Philadelphia Section for their kind invitation to honor us.

Canoe Race Plans

Special note on the concrete canoe competition: tentatively, Villanova will have the Junior and Senior classes represented in the Spring races. A new and better designed fleet has been guaranteed by the respective classes, to take all the prizes this year. So keep your eyes open for the fanfare and celebration.

WOMEN'S AUXILIARY December Combined Meeting

Hosted by the Phila. Section Women's Auxiliary the Auxiliaries of ASCE, ASME (American Society of Mechanical Engineers), IEEE (Institute of Electrical & Electronic Engineers), and PSPE (Pa. Society of Professional Engineers) will hold a combined Christmas Party at the Engineers' Club on **Tuesday, December 20, 1977, at 12:00 noon**. Plan now to attend this unusual affair, where you are bound to meet many new and interesting friends.

For reservations please contact Mary Ellen (Mrs. Warren R.) Van De Vort—(215) IV 3-0714.



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LEGISLATIVE CORNER

by John E. Spitko

Recently introduced bills of interest to civil engineers are steadily increasing in number. Those bills discussed in past issues of "THE NEWS" are recapped in a new format.

<i>Bill and Description</i>	<i>Legislative Status</i>	<i>ASCE Position</i>	<i>Reviewed in "News" Issue</i>
Foreign Steel SB 1068 — Provides that all Penna. public agencies, local, county and state, use only steel products made in U.S.A.	Passed Senate. Bill is now before the House State Government Committee for consideration.		11/77
Dam Sensor HB 1660 — Requires DER to install sensor-type flood monitoring system on all critical earth dams.	Still before the House Conservation Committee. No Action.		11/77
Surveyors SB 462/HB 551 Authorizes registered Land Surveyors to perform engineering design of street and sewer improvements in subdivisions. Tightens requirements for L. S. candidates.	Still before the Senate State Govt. and House Professional Licensure Committees, respectively. No Action.	In 4-77, the Phila. Section passed a resolution supporting the bills with certain changes. These changes were subsequently made.	10/77

More on Dam Safety

As mentioned last month, a much needed comprehensive dam safety bill, SB 1145, is awaiting action by Senator Coppersmith's (Dem-Johnstown) Public Health and Welfare Committee. The bill, which was introduced by Senators Coppersmith and Mellow (Dem-Scranton) on October 11, provides for the regulation and safety of dams and reservoirs in Pennsylvania.

The bill gives the Department of Environmental Resources the authority and responsibility to review and approve the design, construction, enlargement, alteration, repair, maintenance (except that of a routine nature), operation, and removal of dams and reservoirs under its jurisdiction. All plans and specifications for initial construction, enlargement, etc., shall be in the charge of a registered professional civil engineer, "experienced in dam design and construction, assisted by qualified engineering geologists and other specialists when necessary." DER would have the authority to order a dam owner to carry out remedial action when the condition of a dam or reservoir threaten life, property, or the environment. Responsibility for implementation of the bill's provisions would go to the Office of Dam and Reservoir Safety within DER. The Office itself would be directed by a registered professional civil engineer. This Office is currently staffed by only two persons.

The DER would be given jurisdiction (with some exceptions) over all dams where one or more of the following is met: (1) the contributory drainage area is in excess of 100 acres; (2) the greatest depth exceeds 15 feet; (3) the impounding capacity exceeds 50 acre-feet. This bill includes impoundments of fluids (and semifluids) other than water.

Although still before the Public Health and Welfare Committee, SB1145 did see some action this month. On November 18, a public hearing for the bill was held in Johnstown. Senator Coppersmith's office reports that the hearing "went well." No further hearings have yet been scheduled.

Studded Snow Tires

If you are still using studded snow tires, you may be interested in House Bill 1147. This bill contains over 100 amendments to the recently overhauled Motor Vehicle Code. One of the amendments would repeal the ban on studded snow tires in Pennsylvania. KYW radio reported recently that opposition to the ban on

(continued on page 6)

TATNALL LAB DEDICATED AT PENN

A laboratory dedicated to experimental stress analysis has been dedicated in honor of **Francis G. Tatnall**, an active Philadelphia Section ASCE member and a pioneer in the field of materials testing. The laboratory is equipped with unitized strain gage and photo stress laboratories, purchased through the generosity of Tatnall, the ASTM Philadelphia District, the American Society for Metals, alumni, and friends. A collection of historical stress analyses and mechanical testing equipment donated by Tatnall is also contained in the facility.

Noted for the commercial development of a strain gage used in the aircraft industry and for supporting development of other major strain-measuring tools, Tatnall has been in the mainstream of ASTM standards development.

He has served on numerous panels and committees and was chairman of the Philadelphia District of the American Society of Testing and Materials from 1940 to 1944.

Tatnall, who received his University of Pennsylvania bachelor's degree in Mechanical Engineering in 1918, is a director of Vishay Intertechnology Inc. and the author of **Tatnall on Testing**, a chronicle of 40 years of developments in mechanical testing. He was also the editor of **Testing Topics** from 1944 to 1956 and **The Interpreter** from 1959 to 1961. He was selected as the American Society of Metals' Delaware Valley Man of the Year in 1955.

Tatnall continues to be active in ASCE affairs. At last year's National Convention he was vice-chairman of the Excursions Committee and personally conducted tours thru historic Philadelphia.

The Philadelphia Section salutes Francis G. Tatnall for making possible this new facility which will be available to all students and faculty in the civil, mechanical, and urban engineering departments.

JOB PLACEMENT SERVICE

Jozsef L. deKovacs, Executive Manager of the Philadelphia Engineers' Club currently has listings of engineering positions available and is eager to assist local engineers who may be seeking a change in employment.

Mr. deKovacs can be reached at the Engineers' Club, 1317 Spruce Street, Philadelphia, Pa. 19107 - PE 5-5234.

Please pass this information on to anyone who you think might be interested.

. Holiday Greetings

The Editor and staff of THE NEWS, on behalf of the Officers and Board of Directors, extend to the members of the Philadelphia Section, ASCE and their families Joy of the Season and best wishes for Health, Happiness and Success in the New Year.

1978 MEAD CONTEST

The Daniel W. Mead Prize for Associate Members of ASCE was established in 1939 to honor the memory and accomplishments of the 67th President of the American Society of Civil Engineers. The talents of many of the leaders of the profession were first recognized in previous contests for this significant professional honor. The current contest provides another opportunity for alert young civil engineers to further their professional development and gain National attention.

The topic for the 1978 competition is: **"When in Rome, Do As the Romans: Should the Professional and Business Ethics of American Engineers be a Function of the Country in Which They Practice?"** This rather complex and provocative theme can be annotated as follows:

The involvement of U.S. engineers in work abroad, particularly in the Third World or developing nations, has increased greatly in recent years. Because of the political, economic and cultural climate of these nations, business is often conducted in a manner different from that permitted in the United States. Bribery, political contributions, and discriminatory hiring practices are often requirements for obtaining and retaining work in certain countries.

A footnote that appeared in the ASCE Code of Ethics that was in effect from 1963 through 1976 stated: "On foreign engineering work, for which only United States firms are to be considered, a member shall order his practice in ac-

cordance with the ASCE Code of Ethics. On other engineering works in a foreign country, he may adapt his conduct accordingly to the professional standards and customs of that country, but shall adhere as closely as practicable to the principles of this Code."

Some argue that certain activities are inherently unprofessional and immoral regardless of political, economic or cultural considerations. Others believe that to refuse to engage in such activities when securing foreign work would seriously affect an American firm's ability to compete for such business in an international market. What policies and attitudes should American engineers adopt towards this problem?

Following are the rules of the competition:

- * Only one person (an Associate Member can write each paper.
- * Each Section may submit only one paper.
- * Papers are limited to 2,000 words and must be submitted to National Headquarters, through the Philadelphia Section, by **May 1, 1978**. One winner will be selected from each of the ASCE's four Zones.
- * The National winner, selected from the Zone winners, will receive a wall plaque and a certificate; and the paper will be published in CIVIL ENGINEERING or ENGINEERING ISSUES.
- * For more information, contact AMF President Bill Malarkey, c/o PennDOT, 200 Radnor Chester Road, St. Davids, Pa. 19087, Phone: (215) 687-1600, Ext. 268; or Joseph R. Synchronick, Associate Editor of THE NEWS,

Phila Dept. of Streets, Rm. 920 Municipal Services Bldg., Phila., 19107, (215) MU 6-5539.

The Philadelphia Section boasts two winners of the Mead Prize (both on the staff of THE NEWS, pat-on-the-back, pat-on-the-back!). In 1974, staff writer **John E. Spitko, Jr.**, a current Section Director, won the National competition with his paper on the topic: "The Engineer's Response to Non-Engineering Criticism of His Professional Work", (reviewed in the October, 1974 issue of THE NEWS). The 1977 Zone 1 winner was Assistant Chairman of Publications **Joseph R. Synchronick**, for his paper on the theme: "Engineering Advertising --- Where Should the Line be Drawn?" (This paper will be abstracted in a future issue of THE NEWS).

So... get with it, Associate Members! Let's keep the Phila. Section momentum going.

S.W.S. COURSES OFFERED

The Specification Writers School of the Philadelphia Chapter, Construction Specifications Institute (CSI) announces two new courses in its Tenth year of educational programs on specifications.

Construction Contracts and Specifications Course

Course to be held at the Temple University Center City Branch, 1619 Walnut Street, Philadelphia, starting Tuesday evening, January 17, 1978, 6:00 P.M. to 8:40 P.M. and continuing at the same time and place on succeeding Tuesday evenings with the final examination on Tuesday evening, May 2, 1978.

Upon successful completion of the course Temple University will issue college credits.

Tuition - \$144.00. Required course material - \$8.00.

Certified Construction Specifier Course

Philadelphia has been designated as one of the CSI centers to prepare a specifier to become a "Certified Construction Specifier".

The course will have four sessions starting at 7:00 P.M. Thursday, January 5, 1978 and continuing on succeeding Thursdays (January 12, 19 and 26). All sessions will be held at the Engineers' Club, 1317 Spruce Street, Philadelphia, Pennsylvania. The final exam for "Certified Construction Specifiers" will be held at the Engineers' Club on Saturday, April 1, 1978, starting at 9:00 A.M.

The fee for all participants is \$60.00.

For full information contact J. Linden Heacock, Jr., FCSI, P.O. Box 245, Hatboro, Pennsylvania 19040, phone (215) 675-1144.

Pre-register for the S.W.S. Course NOW. Registration closes Dec. 23, 1977.

LEGISLATIVE CORNER (continued from page 5)

studded tires has grown from groups in the Commonwealth's "snow belt." These groups claim that the studs are the most reliable means of obtaining traction on their snow- and ice-covered roads during the winter. Those supporting the ban say the studs perform more safely than other means only on glare ice. Besides, studded snow tires apparently reduce highway life by 50% or more! If you want to make your opinions known to your state legislator, you may have to act quickly. The bill repealing the ban on studs already passed the House on November 29 and now goes to the Senate for consideration.

Author's New Address

The author has moved to a new residence where he hopes to stay put for quite a while. Please write to **John E. Spitko**, 1635 Fort Washington Avenue, Maple Glen, Pa. 19002 or call 628-4713.