

the news



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PHILADELPHIA SECTION
AMERICAN SOCIETY OF CIVIL ENGINEERS
1317 Spruce Street, Philadelphia, PA 19107

VOL. 56 - 6

OUR 71st YEAR

March, 1984

MARCH DINNER MEETING

Philadelphia Section, American Society of Civil Engineers

TUESDAY, MARCH 13, 1984

Engineers' Club, 1317 Spruce Street, Philadelphia

Cocktails — 5:30 P.M. Dinner — 6:30 P.M. Meeting — 7:30 P.M.

SUBJECT:

SCHUYLKILL EXPRESSWAY REHABILITATION

SPEAKERS:

Robert Rowland, District Engineer & **Jeff Green**, Project Coordinator for the Schuylkill Expressway PennDOT, District 6-0.

(continued on page 2)

APRIL JOINT DINNER MEETING

Philadelphia Section, American Society of Civil Engineers

Philadelphia Post, Society of American Military Engineers

TUESDAY, APRIL 10, 1984

Engineers' Club, 1317 Spruce Street, Philadelphia

Cocktails — 5:30 P.M. Dinner — 6:30 P.M. Meeting — 7:30 P.M.

SUBJECT:

CONRAIL Coal Handling Operations from the Mines to the Ships

SPEAKERS:

Jeff May, Area Engineer and

Tom Schoonmaker, Director of Coal and Ore Sales, Consolidated Rail Corporation (CONRAIL).

The Port of Philadelphia, known for its bulk cargo traffic, has shown renewed growth in recent months. The presentation will discuss CONRAIL's coal business, a key aspect of this growth. *Jeff May* will talk on the \$41,000,000 rehabilitation of Pier 124, a project which included a new ship loader, rehabilitated pier structure, new dock conveyors and several improvements to the rail yard. *Tom Schoonmaker* will introduce us to the importance of coal to CONRAIL, the various market segments, differing sulfur contents from mines, and CONRAIL's transportation infrastructure. These two well qualified speakers will provide an excellent presentation for our combined meeting with the Society of American Military Engineers.

Please call Mr. deKovacs at the Engineers' Club immediately (215 735-5234), for reservations. New Dinner Meal Charge:

ASCE Member—\$9.00 Non-Member—\$10.00 Students—\$4.00

STUDENTS — Note that your Dinner Charge is LESS than one-half price. Plan to attend for Dinner or Meeting after Dinner.

TECHNICAL GROUP ACTIVITIES

Engineering Management

April Meeting

Date: *Wednesday, April 18, 1984*

Engineers' Club—7:00 P.M.

Cocktails—5:30 P.M.

Dinner—6:00 P.M.

Subject: *"Accelerating Your Cycle Of Self Development."*

Speaker: *Joseph McCoy*, Leadership Institute.

Program Host: *Susan K. Lior*, Chairperson, Engineering Management Group.

This will be a mini-workshop designed to enhance one's communication skills, both oral and written.

For more information and reservations please contact . . .

Susan Lior, Chairperson, or *Charles N. Juliana*, Secretary, Engineering Management Tech Group

c/o T. J. Traumer Associates, Inc.
1339 Chestnut Street

Philadelphia, PA 19107
(215) 854-0887

*

Geotechnical

March Meeting Cancelled

The Geotechnical Group meeting originally scheduled for *Tuesday, March 20, 1984* has been cancelled.

There will be a Group meeting in April. Details will be published in next month's issue of THE NEWS.

*

Structural

March Meeting

Date: *Thursday, March 29, 1984*

Engineers' Club—7:00 P.M.

Cocktails—5:30 P.M.

Dinner—6:00 P.M.

Subject: *Restoration of Concrete Structures.*

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MARCH DINNER MEETING
(continued from page 1)

While the region's Center City, Philadelphia, is blessed with an extensive network of radial public transport lines, we have but two radial freeways that serve as the lifeline for truck and auto traffic — I-95, and I-76, the legendary Schuylkill Expressway.

The latter facility suffers not only from over-age—but from over-use, with its roadway and much of its bridges in need of rehabilitation.. Actually the earliest section of the Expressway was planned and designed in the 1940's, with the section in King of Prussia opened in 1951.

The challenges that face the PennDOT engineers are formidable; and Messrs. Rowland and Green are responsible for solving all of them.



Robert Rowland graduated from the State College at West Chester and has performed his graduate work at Penn State University. He is a registered professional engineer. Mr. Rowland is currently District Engineer for the five county Philadelphia area, and has been with the PA Department of Transportation since 1957. For the previous 15 years, he was Deputy District Engineer and Assistant District Engineer in charge of planning and pre-construction for that department. He also worked for five years with the Bucks County consulting firm of

Wm. S. Erwin, P.E. Mr. Rowland is a Director and Past President of the American Society of Highway Engineers, Delaware Valley section. He is married with three girls and a boy.

Jeffrey L. Green has a Bachelors Degree in Civil Engineering from the University of Pennsylvania and his Masters Degree in Civil Engineering from Villanova University. He is a licensed professional engineer with 14 years of experience with PA DOT. He has been involved in the various stages of highway traffic and engineering, and since 1981 has been Project Coordinator for the reconstruction of the Schuylkill Expressway. He also was Assistant District Traffic Engineer, managing the Department's Signalization Program, and as Location Studies Engineer, managed several inhouse traffic operations programs in Bucks and Montgomery Counties, and a freeway incident management study. He was also the Design Liaison Engineer, managing consultants' engineering work on such projects as the Northeast Freeway, Roosevelt Boulevard, central business district of Philadelphia and Broad Street.

Mr. Green is a member of the Institute for Transportation Engineers and the American Society of Highway Engineers.

SPECIAL EVENT:

PRESENTATION OF LIFE MEMBERSHIP CERTIFICATES



TECHNICAL GROUP ACTIVITIES
(continued from page 1)

Speaker: *Sam Bhuyan*, Senior Engineer, Restoration Group, Walker Parking Consultants, Kalamazoo, Michigan

Program Host: *Stephen H. Golden*, Chairman, Structural Group.

The speaker will discuss development and implementation of restoration programs for concrete structures. This will include discussions related to field survey, repair work items, evaluation of results, selection of repair materials, and repair methods and procedures.

The presentation will cover the topics on concrete spalling, cracking, and construction and expansion joints. Also, repair methods such as patching, sealing, coating and injection will be discussed. This will include strengthening of structural members. In addition, the

impact and influence of exposure condition, extent of deterioration, and structural system on selection of repair method and material will be discussed in detail.

Sam Bhuyan, Senior Engineer, Restoration group, WALKER Parking Consultants, Kalamazoo, Michigan. Sam is responsible for the preparation of condition appraisal and construction documents and inspection of restoration programs for rehabilitation of parking structures.

Prior to joining WALKER, Sam was a structural engineer in the Structural Evaluation Department of the Construction Technology Laboratories, division of Portland Cement Association.

Sam received his Master of Science in Structural Engineering at University of Wisconsin, Madison. He is a Registered Professional Engineer and is a member

of the following organizations: American Society of Civil Engineers; American Concrete Institute Committee 359; Prestressed Concrete Institute.

WALKER Parking Consultants is a consulting—engineering firm specializing in parking facilities. The firm's Structural Restoration Group was formed to assist parking facility owners with logical, practical and effective methods for determining the extent of structural deterioration and to develop a cost — effective program designed to increase the long-term durability of the facility.

For reservations please call *Carolyn Matthews* (Steve Golden's Secretary) (215) 561-0460 or (609) 829-1118.

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**COPY DEADLINE FOR
APRIL, 1984 ISSUE
MARCH 13, 1984**

TECHNICAL GROUP ACTIVITIES

(continued from page 2)

**Transportation and Urban Development
March Meeting**Date: *Monday, March 26, 1984*

Engineers' Club—7:30 P.M.

Cocktails—6:00 P.M.

Dinner—6:30 P.M.

Subject: *Joint Private and Public Provision of Urban Transit — The Route to Better Service and Lower Costs?*Speaker: *Edward K. Morlok*, UPS Foundation Professor of Transportation, Civil Engineering Dept., and Chairman, Graduate Group in Transportation, University of Pennsylvania.Program Host: *Janusz Supernak*, Chairman, T&UD Group

Dr. Morlok will describe the results of recent research involving himself and other faculty and students at Penn on the benefits and possible problems of involving private firms in the provision of urban transit service. Many areas are beginning to contract service provision to private firms, with cost savings up to 50% compared to direct operation by the transit authority. This reduces deficits and enables increased service and expansion of service to new areas.

Dr. Morlok is Chairman of the new graduate program at Penn which brings together faculty and courses from four schools—Engineering, Planning, Economics/Regional Science, and Management. His research has been at the interface of engineering and management, including planning new or redesigned transportation services and optimization methods in transportation analysis. He is Past President of the Transportation Research Forum, advised the U. S. National Transportation Policy Study Commission, is the Editor of the McGraw-Hill Series in Transportation, and in 1981 received the U. S. Senior Scientist Prize of the von Humboldt Foundation of West Germany.

For reservations please call *Marilyn Macklin* at Dr. Supernak's Office, Dept. of Civil Engineering, Drexel University (215) 895-1828.

*

**Water & Environmental Engineering
Group****March Luncheon Meeting**Date: *Wednesday, March 14, 1984*

Engineers' Club

Luncheon—12:30 P.M.

Lecture—1:15 P.M.

Subject: *Dam Safety Issues in Pennsylvania*Speaker: *William S. Bivins*

Senior Policy Analyst, Federal Emer-

FEBRUARY MEETING

February 14, 1984 Engineers' Club

BRIDGE INSPECTIONS

by Michael Peleszak

The Philadelphia Section's February meeting was attended by more than 150 members, Women's Auxiliary members, faculty, and members of University of Pennsylvania's ASCE Student Chapter, and Temple University's ASCE Student Club. All enjoyed interesting talks by *Alfred F. Lyng*, Chief Engineer of Highway Administration, PennDOT and *A. G. Lichtenstein*, President, Lichtenstein & Associates, on the subject: *Bridges—Falling Down?*

Stephen H. Golden, Chairman of the Section's Structural Group, was a very capable Program Host for the meeting.

Ronald Giles Passes Away

Philadelphia Section President, William Malarkey had the sad duty to announce that *Prof. Ronald V. Giles*, a Past President of the Section, had died. In honor of his passing, Mr. Malarkey asked for a moment of silence.

Editor's Note: (See special obituary article elsewhere in this issue)

Penn & Temple Night

A focus of the meeting was honoring the Student ASCE members, and faculty of University of Pennsylvania, and Temple University. *Timothy Connolly*, Penn's Student Chapter President, thanked the Section for honoring the Chapter. He introduced the other officers and faculty in attendance:

Michael Blum—Vice President*Charles Yeiser*—Treasurer*Wayne Diw*—Secretary*Rodger Leonard*—Senior Representative*Hin-Man Lau*—Junior Vice President*Elizabeth Troop*—Junior Representative*John Retten*—Faculty Representative*Dr. Joy Paushke*—Faculty Advisor

President Connolly also spoke on the goals and activities of the Student Chapter. One future goal is to increase participation and membership among the undergraduates. Chapter members participate in intermural sports, social events and the Annual Concrete Canoe Race.

Dr. Stone Introduced*Dr. Robert J. Stone*, Chairman of the

Agency Management Agency (FEMA), Washington, D. C.

Program Host: *Dr. H. Y. Rajagopal* ("Raj"), Chairman, Water and Environmental Engineering Group.

For full information and Luncheon reservations, please call Dr. Rajagopal at (215) 422-3032.

Civil Engineering Department at Temple, and ASCE Student Club Faculty Advisor, announced that the status of Temple's Engineering School had been raised to a four year Bachelor of Science degree program. Temple will still continue an Engineering Technology Program an its two year surveying degree program. Dr. Stone introduced *Gregory Gianforaro*, President of Temple's Student ASCE Club. President Gianforaro thanked the Section for the honor it had bestowed on it. He introduced to the Section the other officers and faculty present:

Nick Delcasale—Vice President*Tim Bryan*—Secretary*Anthony Gianforaro*—Treasurer

President Gianforaro spoke about some of the Club's activities, which include intermural sports, social events and the Concrete Canoe race. Temple won a large percentage of last year's first place awards. President Gianforaro also expressed the Club's interest in greater participation with other local schools.

Director Van Horn Introduced

Dr. David A. Van Horn, Chairman of the Civil Engineering Department at Lehigh, recently installed Director of District 4. Dr. Van Horn informed us that nationwide there are 90,000 ASCE members; 20,000 in Zone I and 4000 in District 4, which is the Philadelphia region. Director Van Horn spoke on improving communications with the National Board of Directors and improving the Society as a whole.

Mr. Lyng Describes Bridge Crises

Mr. Lyng spoke on the growing problem of the structural integrity of our nation's bridges. Pennsylvania has about 55,000 bridges eight feet in length or over; 8,500 are structurally obsolete, 900 have weight restrictions and 41 are closed.

There are many reasons for this problem. Three major reasons are first, the life cycles of bridges themselves; second no emphasis on repair; and lastly, a decrease in the money spent on public works projects.

The Infra-structure Problems

To emphasize the problem, Mr. Lyng presented a slide show that explained many of the problems with the infrastructure in America. One startling fact is that by the year 1990 fifty percent of the bridges will have outlived their life expectancy of fifty years.

PennDOT is trying to avoid that problem by repairing and upgrading bridges now. The Department has initiated a

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FEBRUARY MEETING

(continued from page 3)

\$1.5 billion bridge program. It is funded solely by tax revenue, such as, the gas tax, oil franchise tax and the truck axle tax. One additional advantage of the program is that it does not rely on the sale of bonds, which would create a future deficit. The program now deals with mechanized patching, joint and crack sealing and pipe repair and replacement.

Mr. Lichtenstein Explains Structural Evaluation

Mr. Lichtenstein's Consulting Engineering firm specializes in the design of bridges and dams and in the evaluation of existing bridges. Because of the number of bridges in question the problem becomes one of priority classification. Through inspections, like those performed by Mr. Lichtenstein's firm, bridges can be evaluated and work performed as required.

Inspection Methods Shown

To illustrate some of the techniques his company employs to inspect bridges, Mr. Lichtenstein presented a slide show.

One major problem in inspecting many bridges is dealing with high traffic flow. In most cases one lane of traffic must be blocked, while inspectors, using cherrypickers, inspect the entire structure of the bridge. By proper maintenance procedures, many bridges can continue to perform as they were intended.

An excellent example of major bridges that are over one hundred years old and still performing as vital service links, is the Brooklyn Bridge. Mr. Lichtenstein presented another slide show on some of the bridges he has inspected and analyzed.

One bridge had been designed as a canal bridge, by John Roebling the designer of the Brooklyn Bridge. The canal bridge, originally carried a section of a canal over a small river. As years passed, the bridge was altered to carry local traffic. However, lack of proper maintenance forced the bridge to be closed to all but pedestrian traffic. After a recent inspection, Mr. Lichtenstein's company recommended to the Park Service, the current owner of the bridge, that if a stiffening truss were installed in the bridge, it could be again opened to local traffic. Mr. Lichtenstein concluded by emphasizing what Mr. Lyng had said: that by not maintaining bridges, highways or other structures we are forced to demolish otherwise perfectly sound structures and spend a greater amount on constructing new ones.

Questions and Answers

After the conclusion of both presentations, Mr. Lyng and Mr. Lichtenstein received questions from the audience.

Mr. Lichtenstein was asked what caused the majority of structural problems in the bridges he had inspected. He replied that although there were many divergent causes and that each bridge had its own distinct characteristics, a common problem was poor detailing.

Mr. Lyng was questioned on a topic of equal interest to the audience: can the nation catch up with its infrastructures needs? Mr. Lyng expressed his hope that in spite of many obstacles, principally financial, the country could correct its infrastructure failings.

After the question and answer session, Section President Bill Malarkey presented both Mr. Lyng and Mr. Lichtenstein with the Section's Certificate of Appreciation for their outstanding presentations.

PHILADELPHIA ADOPTS BOCA

The City of Philadelphia has adopted the BOCA Basic Building Code, and the BOCA Basic Mechanical Code.

During the period Jan. 1, 1984 to June 30, 1984, you may use in plans and specifications either the existing Philadelphia Building Code or the BOCA Code; after June 30, 1984, the BOCA Code will be the Philadelphia standard.

Albert M. Tantala, P.E., Secretary represented the Philadelphia Section, ASCE and testified before City Council, in support of the bill.

In addition to ASCE, the following testified in support of adopting BOCA: Philadelphia Planning Comm., Greater Philadelphia Chamber of Commerce, PIDC, AIA, GBCA, Multi-family Council of Home-Owners of Pennsylvania, Philadelphia Society of Fire Protection, National Fire Sprinkler Association, Subcontractors Association of Delaware Valley, NFPA, Citizens Fire Prevention Committee, Delaware Valley Sign Association, among others.

Section member *David L. Wismer*, provided the major thrust for the review and adoption of BOCA.

BOCA, the acronym for Building Officials and Code Administrators, was founded in 1915. The Chicago-based non-profit national service organization is comprised of the best professional minds in the construction industry, and engineering practice and teaching. It was established with the objective of—and has dedicated its energies toward—professional building and mechanical

**NOMINATIONS FOR OFFICE
1984 - 1985**

In accordance with the Constitution and By-Laws of the Philadelphia Section, ASCE, the Nominating Committee appointed by President William M. Malarkey has submitted the following slate of nominees for elective office for 1984-1985. (The slate was announced at the February 14, 1984 Section Dinner Meeting).

President—

John E. Durrant (one year)

1st Vice President—

Ira N. Pierce (one year)

2nd Vice President—

Albert M. Tantala (one year)

Secretary—

Edward Lutz (two years)

Treasurer—

Charles J. Denny (two years)

Director—

Charlene O'Connor (two years)

Director—

Robert J. Stone (two years)

Director—

Susan Lior (two years)

Director—

Reading Branch representative to be announced.

Offices in which incumbents have one more year to serve are:

Membership Secretary—

Thomas J. Lauer

Directors—

David A. Novick

Norman G. Weintraub

Richard E. Woodring

Past Presidents to serve on the Board of Directors are:

Frederic Roll

Bernard M. McNamee

William M. Malarkey

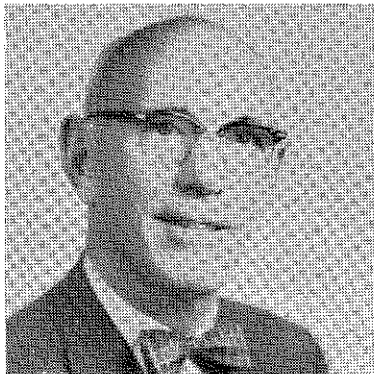
If no additional nominations have been submitted to the President in accordance with the Section's Constitution and By-Laws by April 1, 1984, the above slate of nominees shall be declared elected at that time and will be installed at the Annual Spring Social at The Engineers Club on May 5, 1984.

The Nominating Committee consisted of the following: Frederic Roll, Chairman; Sidney Robin; Joseph R. Szyrnick; and Kenneth J. Zitomer.

code authorship, administration and enforcement of its standards for the protection of the public health, safety and welfare. BOCA is universally recognized as one of the most prominent non-governmental model code service groups in the United States.

RANALD V. GILES

THE NEWS sadly announces the death, on January 31, 1984, of *Ranald V. Giles*, Past President of the Philadelphia Section, ASCE (1963-1964), Professor Emeritus of Civil Engineering, Drexel University. Professor Giles' death is particularly sorrowful to your Editor, in light of the many years of close personal friendship — established during college days at Drexel, and which continued through the years following graduation, after Professor Giles' retirement from teaching and his residence in Florida — to the time of his death.



Professor Giles received his Bachelor of Science degree from Wesleyan University and a second Bachelor of Science degree in Civil Engineering from the Massachusetts Institute of Technology. Later he received a Master of Science degree in Civil Engineering from Drexel University.

Professor Giles was also awarded a National Science Faculty Fellowship under which he received a diploma from the Technological University of Delft, the Netherlands in 1959.

Upon graduation from the Massachusetts Institute of Technology, Ran was appointed instructor at the Brooklyn Polytechnic Institute and served in that position from 1924 to 1926.

Before coming to Drexel as an Assistant Professor in 1935, he worked for a consulting engineer, Malcolm Perney. At Drexel he rose through the ranks and on September 1, 1962 he was appointed Head of the Civil Engineering Department and served in that position until his retirement in 1965.

During his tenure at Drexel University, he taught a wide variety of Civil Engineering subjects including Static Mechanics, Dynamic Mechanics, Hydraulics, Fluid Mechanics, Design of Water

Supply and Waste Disposal Systems, Engineering Economics and Engineering Ethics. In addition, he developed and guided a program to refresh practicing engineers prior to their professional engineering examination.

In addition to ASCE, he was a member of the American Water Works Association, the Delta Tau Delta Fraternity and served on the Advisory Council for Environmental Health in the City of Philadelphia.

Professor Giles was well known for his widely used book on Fluid Mechanics and Hydraulics, an outline of theory and problems published by the Schaum Company in 1961.

In the nineteen years since retirement, he has lived with his wife and son in Boca Raton, Florida, reading and pursuing the Good Life playing bridge and golf.

In a special meeting recently, the Faculty of Drexel University recorded in its minutes a Memorial Resolution expressing "... the deep sense of loss which it feels upon the death of Ranald V. Giles, and that this expression, together with its sincerest sympathy, be extended to his widow, *Adele*, and their two sons, *Dale* and *David* . . ."

The Philadelphia Section, ASCE, joins in this respectful tribute to one of its most distinguished and dedicated members.

A MESSAGE FROM MRS. DAVIS

Editor's Note: The following message was received from *Eleanor (Mrs. Theodore Davis)*, a Charter Member of the Philadelphia Section's Women's Auxiliary. Because of an error in mailing, the contribution referred to in her message was not received by the Women's Auxiliary until early February, 1984.

Theodore (Ted) Davis, Philadelphia Section Treasurer Emeritus and dedicated member for more than 25 years, died on April 4, 1983. (See the April-May, 1983 issue of THE NEWS for obituary article.

To the Philadelphia Section, ASCE:

I have just been informed of the contribution by the Philadelphia Section, ASCE to the *Annette Estrada Memorial Fund* in memory of my husband, Ted Davis.

I would like to thank all of the Membership for the kind gesture.

Sincerely,

Eleanor M. Davis
February 9, 1984

ACI/PCA (CONCRETE) BUILDING CODE CONFERENCE

On April 19, 1984, The American Concrete Institute (ACI) and the Portland Cement Association (PCA) will bring their ACI 318-83 Building Code and PCA Design Handbook Seminar to the Philadelphia area. The all-day seminar will be held at the Philadelphia Marriott Hotel, City Line Avenue and Monument Road, Philadelphia. The new Concrete Code, ACI 318-83 has already been published and is currently in force; it must be used for all concrete designs. The Philadelphia Section, ASCE is a co-sponsor of the April 19. Seminar although it is not listed as such in the enclosed brochure. ASCE Members are entitled to attend the Seminar at the Member rate of \$150 instead of \$165, the non-member rate. When mailing in the registration form, cross out *ACI Member No.* and write in *ASCE Section Member* along with your ASCE Membership Number. To eliminate any possible question, please enclose a photocopy of your 1984 ASCE Invoice or your Membership Card. Mailing your registration form to arrive at ACI Headquarters prior to April 12, 1984, will entitle you to an additional \$10 discount.

Included in the seminar fee are the seminar notes, the ACI 318-83 Code and Commentary, the *PCA Notes on ACI 318-83* and a new PCA Publication, *Simplified Design of Concrete Buildings of Moderate Size and Height*. The value of the four publications is over \$64. Lunch is also included. Please refer to the enclosed ACI announcement for additional details.

1984 CONCRETE CANOE RACE

The 1984 Annual Philadelphia Section sponsored Concrete Canoe Race will be held on *Saturday, April 28, 1984* at 9:00 A.M. on the Schuylkill River shell course (between the Strawberry Mansion Bridge and Columbia Railroad Bridge). For full information please contact *Bob Rotermund* or *Wayne Kudenchak* at (215) 365-5166.

PEC WATER RESOURCES CONFERENCE

The 1984 theme for the largest annual gathering of environmentally concerned Pennsylvanians will be "*Water... Are We Living On Borrowed Time?*" The 14th Annual Pennsylvania Environmental Council Conference will take place on *Wednesday* and *Thursday, March 21-22* at the Penn Harris Motor Inn in Camp Hill, Pennsylvania.

Congressman Robert Edgar will
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PEC WATER RESOURCES

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speak at the lunch on March 21st and Governor Richard Thornburgh has been asked to address the dinner that evening. *Nicholas DeBenedictis*, Secretary of the Pennsylvania Department of Environmental Resources (DER), will talk at the luncheon on March 22nd.

Among the panelist will be: *Penrose Hallowell*, Pennsylvania Secretary of Agriculture; *Lawrence Silverman*, Executive Director, American Clean Water Association; *Dr. Peter Rogers*, Professor of Environmental Engineering, Harvard University; and *Dr. Vernon Houk*, Director of the Center for Environmental Studies, Atlanta, Georgia.

The Conference, which will host over four hundred representatives from industry, government, labor, academia, civic and environmental groups, will feature three panel discussions, exhibits and a bookmart. Both speakers and attendees will meet together to discuss current problems concerning Pennsylvania's water resources. As in previous years, the Conference is designed to facilitate a free flow of facts, ideas and opinions from individuals and groups of diverse backgrounds in order to find environmentally sound and economically beneficial solutions to natural resource problems. The displays in the exhibition and bookmart sections of the Conference will focus on a variety of environmental issues including hazardous waste, acid rain, wildlife, and agriculture, in addition to water.

Some of the topics that will be discussed during the two-day gathering are: 1) "Water Resource Stresses: Consumption and Pollution" which will involve the issues of consumptive demand vs. resource availability, point and non-point pollution, and ground-water contamination; 2) "Water Resource Protection: How Effectively Are We Addressing Our Current Problems?" focusing on Pennsylvania's regulatory and legislative framework for water protection, monitoring systems, and planning; and 3) "Future Problems: Are We Prepared To Address Them?" featuring issues of a national ground-water policy, water allocation, technology, and water economics.

The Pennsylvania Environmental Council is a state-wide, non-profit, citizen's environmental action organization. Information concerning exhibiting or registering for the Conference may be obtained from *Valerie Horvat*, Conference Director, at the Pennsylvania Environmental Council, 225 South 15th Street, Philadelphia, PA 19102; (215) 735-0966 or (800) 322-9214.

MEMBERS IN THE NEWS

Koerner's Books Published

Philadelphia Section Past President *Dr. Robert M. Koerner*, Professor of Civil Engineering, Drexel University, continues his very active research program related to hazardous waste problems with support from the U. S. Environmental Protection Agency and several industries. His book, *Elements II of Briquetting and Agglomeration* was published in 1982 by Drexel University. Another book, *Construction and Geotechnical Methods in Foundation Engineering*, is now in publication by McGraw-Hill.

The latest book will be simultaneously published by Rainbow-Bridge Book Co. Ltd. of Taipei, Taiwan, for distribution in Asia. The 490-page volume is aimed at Junior/Senior level undergraduates in Civil Engineering with emphasis on Geotechnical, Construction, Structural and Environmental categories. In *Dr. Koerner's* words "... there is ample material for a full 15-week course— (and then some left over for the hearty...").

Dr. Koerner was honored as 1981 Engineer - of - the - Year for Delaware Valley.

Editor's Note: The following valuable bit of information appeared recently in Philadelphia Magazine, which seems to be suffering the same mailing pains as we have. We reprint the article herewith in the spirit of aggressive defense.

MAIL IMPOTENCE

Have you noticed that your magazines seem to be coming later than usual? Well, a recent study published in *Folio* magazine shows it's not our fault. Apparently, the Philadelphia Post Office has the worst publication-delivery success rate in the country; even Milwaukee's is better. In the second quarter of last year, Philadelphians got only 8% of their second-class and controlled circulation publications on time. This is down from 50% the year before. And this comes when the national trend for on-time delivery is improving, up 4 percentage points across the country.

The report notes that nearly half the publications mailed to Philadelphia arrive four to six days late, and another 18% arrive seven to ten days late. So when we tell you THE NEWS is in the mail, we're not lying. We just have no idea *how long it's* going to be in the mail!

WOMEN'S AUXILIARY

March Meeting

Following the January, February winter break, The Philadelphia Section's Women's Auxiliary resumes its 1983-84 season with a regular monthly Luncheon-Meeting on *Wednesday, March 21, 1984, 12:00 noon*, at the Engineers' Club. Principal speaker will be *Erica (Mrs. Victor A.) Marcus*, long-time active Auxiliary member, Past Officer and Committee Chairperson. Mrs. Marcus will present a slide-illustrated talk entitled: "*A Visit to the Far East*," which will describe Erica's and Vic's extensive travels in the Orient.

April Meeting

The April Luncheon-Meeting will be held at the Engineers' Club on *Wednesday, April 18, 1984, 12:00 noon*. *Paul Roller*, proprietor of Roller's Restaurant in Chestnut Hill, Philadelphia—and son of Charles and Claire Roller—will speak on the tempting subject of: "*The Culinary Art of Hors D'oeuvres*." (Charlie Roller is a Past Director of the Section and has been a dedicated Active Member for many years. Claire Roller is a Charter Member of the Women's Auxiliary and is currently Corresponding Secretary.

The Spring Social Time Approaches

Plans and arrangements are in full swing—under the direction of Social Committee Chairperson *Joan (Mrs. Wallace A.) Rutecki* and her assistants—for the *Annual Combined Spring Social*, which will take place at the Engineers' Club on *Saturday evening, May 5, 1984*. The Social was not held last year because of the proximate timing of the 1983 ASCE National Spring Convention, which was hosted by the Philadelphia Section, May 16 - 20, 1983. So, mark your calendars for the outstanding Social affair of the year—*Saturday, May 5, 1984* at the Engineers' Club. Watch for details in the April-May issue of THE NEWS.

Wives of Section members are cordially invited to join the Women's Auxiliary, to attend all its meetings and functions and to bring guests. For full information about membership application please call Membership Committee Chairperson *Marie (Mrs. Kenneth J.) Zitomer*, (215) 548-5324.

SEE
YOU
AT
THE
MEETING