

the news



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Vol. 72-6

Our 86th Year

April/May, 2000

PLEASE NOTE NEW ELECTRONIC MESSAGE HOTLINE ABOVE

APRIL DINNER MEETING

Philadelphia Section, American Society of Civil Engineers

THURSDAY, APRIL 20, 2000

WILLIAMSON'S • GSB Building, City Line Avenue • Philadelphia, PA • See Location Map Below
Cocktails - 5:30 p.m. • Dinner - 6:30 p.m. • Meeting - 7:30 p.m.

SUBJECT: The Three Gorges Dam Project, China

SPEAKER: Kenneth D. Hansen, P.E., Principal and Senior Vice President, Schnabel Engineering, West Chester, PA; and **Jennifer Lin**, China Representative for Knight-Ridder Newspapers.

SPECIAL FEATURE: SWARTHMORE COLLEGE NIGHT. The ASCE Student Chapter, Alumni and Faculty of the Department of Civil Engineering, Swarthmore College, will be honored at this meeting. All Students, Faculty and Alumni are cordially invited.

RESERVATIONS MUST BE SUBMITTED BY TUESDAY, APRIL 18, 2000. Please send your check for the number of attendees @ \$25.00 per member or guest, \$13.00 ASCE Student Members, payable to the Phila. Section, ASCE, P.O. Box 58186, Phila., PA 19102-8186; or call the Electronic Message Center: **1-800-461-4190** (Open 24 hours/day).

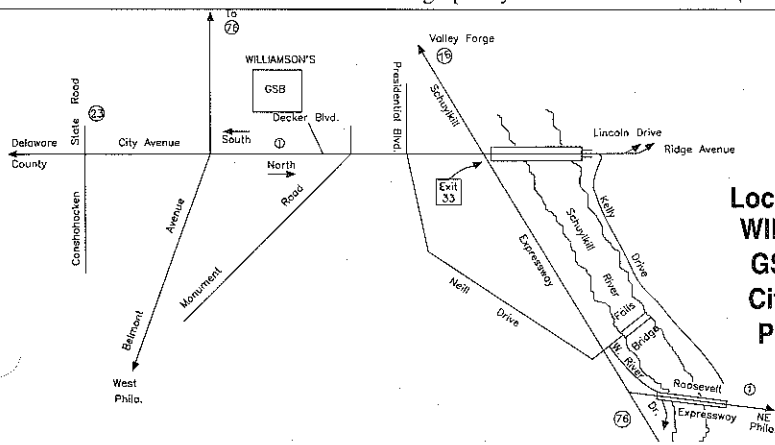


Jennifer Lin

Jennifer Lin is a native of Philadelphia and 1980 graduate of Duquesne University, where she majored in journalism and English. She started her career in newspapers at the Pittsburgh Post-Gazette as a business reporter assigned to covering the steel industry.

In 1983, she joined the Philadelphia Inquirer as a business reporter, and was assigned to New York from 1986 to 1990. After a stint as a city reporter, writing about the various ethnic communities in Philadelphia, she was transferred to Washington, DC bureau of Knight-Ridder Newspapers — the owner of the Inquirer — to follow trade issues and foreign policy.

(Continued on Page 2)



Location Map for
**WILLIAMSON'S
GSB Building
City Line Ave.
Philadelphia**

Spring Dinner Dance Friday May 5 2000 See Page 2 for Details

TECHNICAL GROUP ACTIVITIES

Delaware Valley Geo-Institute Group (DVGI)

April Meeting

DATE: April 11, 2000

SUBJECT: Geophysical Investigations for Geological and Geotechnical Engineering

SPEAKER: Rich Lee, Quantum Geophysics

If you are interested in participating in the organizational planning for the DVGI, or would like to get on the e-mail list for announcements please contact Mike Byle, Chairman, by e-mail at "mbyle@gfnet.com."

Structural Group

Seeks New Chairperson

The Phila. Section, ASCE Structural Group continues to look for a new Chairperson to assume the present Chairperson's role beginning in the Fall of 2000. If anyone is interested in taking over as chair of this group please contact either the present chair, **Richard Roberts, P.E.**, at (215) 222-3000 or **Chris L. Rood, P.E.**, Technical Group Liaison at (215) 580-7586.

Transportation Group

April Meeting

DATE: Thursday, April 13, 2000

SPEAKER: **Tom Halterman, P.E.**, Project Manager, Urban Engineers, Inc.

SUBJECT: SEPTA's Schuylkill Valley Metro

This project looks to provide rail service in the 62-mile long corridor from Philadelphia to the Borough of Wyomissing via Norristown, Phoenixville, Pottstown and Reading.

Reservations are required with seating limited to 50. Please contact either **Chris L. Rood, P.E.**, Transportation Technical Group Chairman at (215) 580-7586 or **John Quirus**, Younger Member Forum at (215) 790-2311 for reservations or if you have any questions.

Also, if anyone is interested in participating in the Transportation Group's planning for upcoming meetings/events, please contact **Chris L. Rood, P.E.**, Chairman, at (215) 580-7586.

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**Phila. SECTION ASCE
Annual Dinner-Dance**

Friday May 5 2000

at
Sugar-Loaf Conference Center

(Executive Conference Center of Temple University)
9230 Germantown Ave. Phila., PA 19118 (215) 242-9100
(See Location Map on Page 7)

6:00 PM COCKTAILS & Hors D'oeuvres
(Cash Bar)

7:00 PM DINNER

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April Dinner Meeting

(Continued from Page 1)

In 1979, Miss Lin made her first trip to China with her father, a native of Shanghai. In 1996, she moved to Beijing as the Inquirer's Asia correspondent. In a corporate reorganization in 1998, she became the representative in China for all 30 Knight-Ridder newspapers. During her tenure, she covered the death of Deng Xiaoping, the 1997 return of Hong Kong to China, the 1998 downfall of

Indonesian President Suharto, fallout from the Asian financial crisis and the 1999 riots against the U.S. embassy in Beijing. In China, she wrote about a variety of social and economic issues, including the human toll of the Three Gorges Dam Project.

Ken Hansen will discuss the technical aspects of China's Three Gorges Dam Project including history, principal benefits of the project, project layout and the main hydraulic structures.

He will also show construction and discuss the status of the project at the time of his visit in April 1999. Three Gorges Dam is a 590 ft. high concrete gravity dam nearly 1-1/2 miles across Yangtze River. It will contain a record 36.5 million cu. yd. of concrete including 4 million cu. yd. of RCC for two cofferdams.

Ken Hansen is a principal and senior vice president of Schnabel Engineering, based in their Denver Office. Prior to joining Schnabel three years ago, Mr. Hansen worked for the Portland Cement Association (PCA) for nearly 37 years.

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PHILA. SECTION, ASCE OFFICERS 1999-2000

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**COPY DEADLINE FOR
OCTOBER 2000 ISSUE
SEPTEMBER 3, 2000**



THE PRESIDENT'S MESSAGE

It only seems like yesterday that I had stood before many of you speaking at the mural dedication ceremony on October 6 of last year — one of my first appearances as the President of the Phila. Section, ASCE. How swiftly time has flown! This will be my last Newsletter message to you as the President.

ASCE's Strategic Plan, Goal 4: **RECOGNITION** — *enhancing recognition of Civil Engineering as a highly respected profession and a most desirable and rewarding career* was our theme this year and we

tried to pursue that objective diligently the entire year. It is my fond hope that at least a few of you will pursue it on an ongoing basis. Success will be assured only when the entire membership believes in this goal; we still have a long way ahead of us. Last month we requested members to visit their local middle school to talk about Civil Engineering; if you haven't had the opportunity, please do so before the school year comes to a close, and let us know of your efforts. Your visit will represent another step towards our goal.

I will also take this opportunity to thank the Board of Directors for their support and cooperation throughout the year. It is a great pleasure to work with such a dedicated group. Thanks are also due to **Bob Wright**, probably the Section's most valuable resource and a member most generous with his time in support of our activities, who was always there when needed, and the irreplaceable **Sid Robin**, without whose hard work there would be no newsletter.

I am urging all members once again to participate actively in the events organized by the Section. The topic for the **April 20, 2000** meeting should be of interest to all. Dams represent a design challenge and the Three Gorges project is certainly one of the most challenging. Come and also join us for an evening of celebration and fun on **Friday, May 5, 2000**, when we have our annual Dinner Dance Social and honor the winners of this year's Annual Awards. Please show your support for the profession and Section by being present on all these occasions.

My best wishes to all of you for the summer. I will be looking forward to meeting you again in October!

Sincerely, Faruq M.A. Siddiqui, Ph.D., P.E.
President, Phila. Section, ASCE

The Siddiqui Presidency — AGGRESSIVE PRAGMATISM IN ACADEME EMERGES

From the moment he entered the Philadelphia Section, ASCE hierarchy of officialdom — as a Director in 1995 — it was evident to any astute observer that here was a voice which would be vibrantly heard, in discussion and consummation of major issues and objectives of the Section. That determination — to direct, evaluate and judge the work of the Board of Directors, the Technical Groups and Committees — has persisted through the years of his affiliation with the Section. The fulfillment of his qualities of investigation, analysis and conclusions were magnificently demonstrated during **Faruq Siddiqui's** tenure as Philadelphia Section, ASCE President, 1999-2000, a term which culminates at the Section's Annual Spring Dinner Dance at Sugarloaf Conference Center on May 5, 2000.

Dr. Siddiqui's performance puts to rest any misgivings one might espouse about the capacity of a college professor to administrate a technical organization embodying the myriad complexities inherent in one such as the Phila. Section, ASCE, a conglomeration of more than 1600 Civil Engineers, trained and experienced in varying and divergent infrastructural areas and technological identities. There can be no doubt that in his professional position as Chairman of the Civil Engineering Department of Swarthmore College, he accomplishes the objectives of progressive technological curricula in a prestigious institution of the caliber of Swarthmore.

The ethos of Faruq Siddiqui's passionate pur-

suit of moral character and distinction in the noble art of engineering, particularly civil engineering, is clearly revealed in his first "President's Message" which appeared in the first issue of the newsletter, THE NEWS, October, 1999. In the Message, Faruq enunciated his undiminishable desire and application of his rigorous energies to attain a prime theme of his presidency: Recognition. In his own words, he said: "...Coming from a country where engineering is considered to be a very prestigious profession, and engineers are held in high esteem, it was an eye-opening experience for me to discover a situation quite different in the United States. I found that even Civil Engineers themselves were unsure of their own position in Society, and most were content to be self-effacing, anonymous contributors to this country's growth and prosperity..." Dr. Siddiqui's goal, gleaned from National ASCE's Strategic Plan: "...Enhancing recognition of civil engineering as a highly respected profession and a most desirable and rewarding career..."

Faruq pursued this theme unwaveringly in numerous projects throughout his tenure. He vigorously enlisted the generous assistance of the talents of the general membership of the Section, the members of the Board of Directors, the Technical Groups, the dynamic Younger Member forum, in quest of his dream. The constraints of time; and the claims of his myriad professional responsibilities at Swarthmore, inevitably limited the accomplishment of all his objectives; but, building upon

his own initiatives and those of his noteworthy predecessors, most of his aims were either achieved in full or were notably advanced in fulfillment.

As previously recited, intensely mindful of his academic functions as Chairman of Swarthmore's Civil Engineering Department, Faruq has been keenly sensitive to the vital place of Younger Members in ASCE. Consequently, he has provided full support and wise counsel to the Section's Younger Member Forum, and to the ASCE District 4 Student Chapters of area colleges and universities. The Phila. Section honors the ASCE Student Chapters and the Civil Engineering Departments of their schools at the Section's regular monthly meetings throughout the year. Faruq has encouraged and provided his expertise to the Section's Class Projects Committee, which engages member volunteers to speak and attract students in elementary grades and high school to pursue civil engineering study and careers.

In addition to soliciting support for his goals, Faruq has extended guidance to all the Section's Technical Groups, paying close attention to their individual meetings, and programs, separate from Main Section meetings, on vital and diverse subjects. The equivalent efforts have applied to the Reading Branch, as an important Phila. Section affiliate, in discussing common needs, interests and objectives.

The list goes on and on. Thankfully, the Phila. Section, ASCE can anticipate, with pleasure and satisfaction, many more years of continued active membership and contribution of experience and expertise by one of its most illustrious leaders. We honor you, Faruq Siddiqui, for your great year as President of the Phila. Section, ASCE. You have our heartfelt gratitude for your splendid performance in the memorable 1999-2000 year. Thank you and Godspeed, dear friend.

And now, we welcome **Thomas J. Branigan** as the incoming President of the Philadelphia Section, ASCE, 2000-2001. Tom will be inducted at the Section's Annual Spring Dinner Dance at the Sugarloaf Conference Center on **May 5, 2000**. There are not enough superlatives available to define the magnificent role this man has fulfilled through the years of his membership. His role has been recognized by every active member of the Philadelphia Section as indispensable in every aspect of its programs and policies. We know that he will continue to build on the great foundations put in place by Dr. Siddiqui and all the preceding Presidents who have occupied this honorable and proud position. We await you, Tom, with confidence that yours, too, will be a great presidency. We offer our hands and hearts to assist you.

Good Luck!

A golfer stepped up to the first tee, took a mighty swing and made a hole-in-one. "That's fine," said his partner. "Now I'll take my practice swing, then we'll start to play."

YOUNGER MEMBER FORUM NEWS

by Christopher Menna, President & Forum Editor

The Younger Member Forum (YMF) current membership includes college students, recent graduates, and young Registered Professional Engineers who are 35 years of age and under. The objectives of this group are: 1) To provide networking opportunities, 2) To interact with schools and the general public to promote Civil Engineering, and 3) To enhance career development.

Young engineers or college students who would like to become part of the YMF please contact **Chris Barber**, Armand Corporation at (609) 348-9430.

Past Accomplishments

Congratulations to **Tom Brady** of URS Greiner Woodward Clyde for being the grand prizewinner of our T-shirt logo contest that was conducted in February. Tom will receive a \$100 check plus a T-shirt featuring his winning design. Congratulations to the following finalists who will also be receiving a T-shirt: **Kristen Bowman**, Flow Science Incorporated; **Alyson Radel**, Burns Engineering; **Matthew VanRensler**, Drexel University; **Tammy Wisco**, Parsons Brinckerhoff; and **Christopher Wright**, Frederic R. Harris, Inc. We will be selling these T-shirts at a future YMF event to be announced. Look for more details in your YMF announcements. We would like to thank **Jennifer Diec**, Parsons Brinckerhoff, for organizing the T-shirt logo contest.

On **March 23, 2000**, the YMF held a Joint Meeting with the South Jersey YMF and Rowan University. The meeting took place on the 16th Floor of the Municipal Services Building in Center City. Our featured speaker was **Dr. Richard McCuen**, University of Maryland. His multi-part presentation focused on ethics. It began with a viewing of "Testing Water... and Ethics", a videotape from the Institute for Professional Practice. Dr. McCuen then discussed important considerations in resolving ethical conflicts in professional practice. For most of the evening, the audience was divided into teams and competed in Dilbert's Ethics Challenge, a board game in which teams compete by making decisions about ethical conflicts in engineering practice. This theme was something new for our YMF. We would like to recognize the Maryland YMF and **Jill Speiss**, KCI Technologies for sharing this information with us. A special thanks goes to **Carol Martsoff**, Parsons Brinckerhoff and to our speaker for making this great event possible.

Upcoming Events

On **April 11, 2000** the Geotechnical Technical Group will be holding a meeting where **Mr. Richard Lee**, Quantum Geophysics, will be speaking on "Geophysical Investigations for Geological and Geotechnical Engineering." In addition, on **April 13, 2000** the Transportation Technical Group will be holding a luncheon where **Mr. Thomas Halterman, P.E.**, Urban Engineers, Inc., will be speaking on "SEPTA's Schuylkill Valley Metro Project." For more information on

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MARCH JOINT DINNER MEETING

March 16, 2000

Williamson's City Line, Phila., PA

"The Manayunk Bridge Reconstruction"

By Bob Wright, Staff Writer

A well-attended gathering of members and guests of the Phila. Section, ASCE, and the Delaware Valley Chapter, American Concrete Institute (ACI), enjoyed the Annual Joint Meeting of the two organizations on **March 16, 2000**. The subject was: "SEPTA's Manayunk Bridge Reconstruction Project." Principal speaker was **Christopher S. Binck, P.E.**, Phila. Regional Manager, Bergmann Associates. The meeting was ably co-chaired by Phila. Section, ASCE President, **Dr. Faruq Siddiqui, P.E.**, and Delaware Valley Chapter ACI President, **Monica Schultes, P.E.**

Widener University night

The meeting honored the ASCE Student Chapter, alumni and faculty of Widener University Civil Engineering Department.

Department and Student Chapter Updates

Professor Charles L. Bartholomew, Widener University Civil Engineering Department Chairman, reviewed major research and development projects current and planned for the future in the Department. He thanked his hosts for their invitation to participate in the joint meeting and for their courtesies. He introduced the contingent of Widener's ASCE Student Chapter, alumni and faculty members in attendance, and acknowledged the Chapter officers: **Shawn Pressley**, President; **Peter Cappelli**, Vice President; **Christopher Palazzi**, Treasurer; **Philip Petrone**, Secretary; **Kody Gildner** and **Timothy Kelly**, Student Government Representatives; faculty members, in addition to Dr. Bartholomew, **John F. Davis** and **Victor Marcus**. The very active ASCE Student Chapter is busily engaged in regular meetings, tours to projects of technological interest and communal initiatives relevant both to their engineering and social scholarship training.

After announcements by Presidents Siddiqui and Schultes of interest to their respective organizations, presentations of Certificates of Life Membership in National ASCE were made by Phila. Section Membership Secretary **Allan F. Moore, Jr.** (see separate article elsewhere in this issue of THE NEWS).

Mr. Binck is Introduced

Phila. Section, ASCE Vice President **Chris L. Rood, P.E.**, introduced the principal speaker of the evening, **Christopher S. Binck, P.E.**, Phila. Regional Manager, Bergmann Associates. Mr. Binck opened his presentation opened with an overview of the Manayunk Viaduct. This landmark bridge was built by the Pennsylvania Railroad in 1917 to carry its Norristown Branch across the Schuylkill River near Green Lane in the Manayunk section of Philadelphia. The bridge passed to the Penn Central Railroad in 1968 and Conrail in 1976 before being given to SEPTA in 1983. It has become an important symbol of civic pride in Manayunk and remains a significant architectural landmark in that neighborhood. Also

in 1983, the structure was included in the National Register of Historic Places.

Bridge History, Structural Details & Deterioration

Mr. Binck reviewed the history and nature of the bridge. It is a 16-span structure with several different types of construction, the most significant being the nine spans across the Schuylkill Expressway, Schuylkill River, Manayunk Canal, Main Street and Green Lane, with a total length of 1900 feet. These spans are constructed of mass concrete with minimal reinforcing. Over time, the concrete had begun to deteriorate, with major spalling on the fascias, soffits and parapets, to the point at which netting had to be installed to catch falling pieces of concrete.

SEPTA Operation and Investigation of Problems

SEPTA operated its Ivy Ridge line over the bridge until late 1986, partly due to cutbacks in operations on the rail lines and partly due to the worsening condition of the bridge. Urban Engineers was retained to investigate the problems on the structure and make recommendations to solve them. Early on, it was found that the bridge deck had almost no waterproofing. This, coupled with non-functioning catch basins and unsealed expansion joints, was permitting water to infiltrate the structure and travel throughout its interior. **W** the overall condition of the bridge was rated as good, there were many aspects that required immediate attention.

Analyses, Evaluations and Planning

In the analysis of alternatives, the complete demolition of the viaduct was evaluated. However, the impact on historical, environmental and neighborhood concerns would be adverse. Additionally, the cost of demolition was estimated at over \$20 million, where rehabilitation efforts were less than half that figure. Despite the lack of rail service on the bridge and the uncertainty of future rail operation, SEPTA engaged Bergmann to continue in-depth investigations and planning for construction.

Rehabilitation Developments and Restoration Recommendations

Mr. Binck explained the methods used to develop the rehabilitation scheme. The drainage and expansion joint shortcomings had to be overcome to end future water damage to the bridge. The many architectural treatments on the bridge, which were affected greatly by the spalling, were to be restored. The bridge railing and parapet, in many places completely gone, would be rebuilt to match the existing. Exhaustive research was begun to match color and consistency of concrete so that repairs would not stand out visibly. In many places, the concrete was cored up to 4 feet depth to allow proper chemical and physical testing and to assess the depth of required repairs.

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Younger Member Forum

(Continued from Page 4)

these Joint YMF/Technical Group Meetings, contact **Mike Scott**, Urban Engineers, Inc. at (215) 922-8080.

The YMF is proud to announce that its members will again volunteer for Christmas in April of Philadelphia (CIAP) on **Saturday, April 15, 2000**. CIAP relies on volunteers each year to accomplish its mission — to prevent homelessness by rehabilitating the homes of elderly, disabled, and low income Philadelphia residents so they may continue to live in a warm, safe, and dry environment. This will be an excellent opportunity to do something rewarding for some residents of Philadelphia who are in need. If you would like to participate, please contact **Chris Wright**, Frederic R. Harris at (215) 735-0832 ext. 293.

The YMF will tour PECO Energy's Conowingo Dam in Maryland on **Saturday, April 22, 2000**. We will take a morning tour and then have lunch. Interested persons will be responsible for their own transportation. Please see our upcoming faxes for more information or contact **Yael Heller Jekogian**, AIG Consultants at (215) 255-6344.

On **Saturday, June 3, 2000** the YMF will once again participate in National Trails Day at the Wissahickon Park. For those who enjoy the outdoors, this will be a great opportunity to do something rewarding, and learn more about the Wissahickon Park, one of Philadelphia's great treasures. If you would like to participate, please contact **Christopher Wright**, Frederic R. Harris at (215) 735-0832 ext. 293.

Member Spotlight

The purpose of the member spotlight is to introduce a fellow YMF member to the Delaware Valley Engineering Community.

Kristen Bowman, P.E. (CA) is an Engineer employed by Flow Science, Inc. in Lansdale, PA. In this position, she is responsible for managing budgets and schedules on projects that she is working on. In addition, Kristen serves as primary client contact, develops recommendations, and writes reports on her projects. She also prepares proposals and helps to manage the office staff. As a Flow Science employee, Kristen works on very unique projects which include: pipeline pressure surge analysis, 3-D computational fluid dynamics modeling, 1-D and 3-D lake and reservoir modeling involving physical and chemical properties, dilution and discharge modeling for compliance with NPDES regulations and litigation support. Currently, Kristen is involved in recommending surge protection measures for a 30 MGD potable water pumping station in Ohio and in recommending alternatives for hypolimnetic oxygenation and complete destratification for a 130,000 acre-ft reservoir in southern California. Kristen obtained her Bachelor of Science and Master of Science in Fluid Dynamics and Hydrology from Stanford University in 1994 and 1995 respectively. She is a Licensed Engineer in California and is currently applying for reciprocity in Pennsylvania. Kristen is involved in many volunteer organizations as well. She is a member of the

March Joint Meeting

(Continued from Page 4)

Construction Details and Scheduling

Construction began in 1997, with Neshaminy Contractors as the General Contractor. The spans to be rehabilitated were the two on the Philadelphia side, spanning Main Street and Green Lane, and two on the Lower Merion side, crossing the Schuylkill Expressway. River spans would have to wait for a future phase. The cost of this Phase 1 contract was \$9.2 million.

To allow the contractor to chip concrete, special protective scaffolding was placed on both sides of the viaduct, with the result that the work area resembled a large wooden box. Concrete was chipped away to a depth of 15 to 18 inches where necessary on the fascia of the bridge. Ballast was removed and replaced, with deck waterproofing installed and a new drainage system constructed. Although train service will not be returning in the foreseeable future, SEPTA took advantage of the construction and placed new communication and signal ducts and lines. (The bridge is under consideration for use by the proposed Schuylkill Valley Metro light rail line now being evaluated by SEPTA.)

Phase 1 is scheduled for completion in December 2000. Planned, but not yet funded, future phases include a similar rehabilitation on the river spans and work within the arch spandrels, which was not included in the current contract.

Question and Answer Period

Numerous comments and questions, in a lively discussion period following Mr. Binck's formal presentation, were responded to and explained authoritatively and clearly by our articulate speaker and several of his expert assistants in the audience.

Presidents Siddiqui and Schultes congratulated Mr. Binck for his fine address and offered Gifts of Appreciation.

Speaker's Bureau for the Nature Conservancy. Also, Kristen is active on several committees for the American Association of University Women, including GOLD (Girls Overnight Leadership Development) and career shadowing. In addition, she is Vice-President of membership for the Delta Gamma Alumnae Association. And, of course we are very pleased to have Kristen as our current Assistant-Secretary. Her leadership has helped to build a very effective email database for our use. Kristen has just recently moved back to Pennsylvania from California. In no time at all, she has become very active in our area. She is truly one of the YMF's best and brightest members.

April Dinner Meeting

(Continued from Page 2)

Ken received his B.S. from the University of New Mexico and his M.S. in Civil Engineering from the University of Colorado.

Mr. Hansen is an internationally recognized author, lecturer and consultant on roller-compacted concrete (RCC) dams. He is the primary

LIFE MEMBERSHIPS AWARDED

At the **March 16, 2000** Joint Dinner Meeting of the Phila. Section, ASCE, and the Delaware Valley Chapter, American Concrete Institute (ACI) Certificates of ASCE Life Membership were presented to qualified Phila. Section, ASCE members by Membership Chairman **Allan F. Moore, Jr.**, and President **Faruq Siddiqui**.

Mr. Moore explained the eligibility requirements for Life Membership, which is not an official ASCE Membership grade, but a recognition of service to the Society. A member must have reached the age of 65 years, and his age plus the number of dues-paying years totals at least 95.

The following awardees were present at the meeting, and received their Certificates in person:

Mr. Benjamin F. Eby, III
Prof. Stephen G. Jochum
Mr. Lawrence M Moy
Mr. Judson F. Vogdes, III
Mr. Rodolfo J. Wahanik

The following awardees were not present at the meeting and their Certificates were mailed to them:

Mr. William E. Barton
Mr. Richard A. Divino
Mr. Scott Fletcher
Mr. Harold D. Gilman
Mr. Joel J. Gouza
Mr. Robert Holzwarth
Dr. John A. Lepore
Mr. Gerald M. McDonnell
Mr. Benedicto M. Nacar
Dr. Holenarasipur Rajagopal
Mr. Allen P. Scheich
Dr. James J. Schuster
Mr. Glenn S. Smith
Mr. Robert M. Smith
Dr. Vukan R. Vuchic

Mr. Moore and Dr. Siddiqui extended the Section's congratulations to all the awardees for their continued dedication and support to ASCE.

author of the book "Roller Compacted Concrete Dams" and edited or co-edited all three ASCE books on RCC. Ken has consulted the use of RCC on 36 dams in 10 countries.

Mr. Hansen has given more than 370 presentations on RCC dams throughout the United States, but also by invitation in Canada, Mexico, Brazil, Chile, Argentina, Spain, Turkey and India. While in China to present a paper at the 1999 International Symposium on RCC Dams, he visited the Three Gorges Dam project, while under construction.

Active in ASCE, Ken is a former president of the Albuquerque Chapter and the Colorado Section, and was a national director from District 16. He was also chairman of ASCE's Professional Activities Committee (PAC) and served for two terms (six years) on the National Water Policy Committee. Ken is presently completing his second two-year term as chairman of the American Concrete Institute (ACI) Committee 207-Mass Concrete.

2000 SECTION AWARDS TO BE PRESENTED AT SPRING SOCIAL

Section Awards for the year 2000 will be presented to this year's recipients at the Annual Spring Social and Dinner Dance (see page 2 for particulars on the Social). The Section Award recipients are:

- **Craig Calabria**, GeoSystems, Inc. — Philadelphia Civil Engineer of the Year
- **John Zarsky**, Parsons Brinckerhoff — Philadelphia Young Civil Engineer of the Year
- **Christopher Menna**, City of Philadelphia Department of Streets — Young Government Engineer of the Year
- **John Volk**, URS Greiner Woodward Clyde — Geotechnical Engineer of the Year
- **Hyman Myers**, Vitetta Group — Philadelphia History and Heritage Award

We hope you will join us at the Social to honor these deserving individuals.

The October 2000 issue of THE NEWS will feature more information on the awardees as well as a synopsis of the Social's events.

HSGTA CONFERENCE & EXPO ON HIGH SPEED GROUND TRANSPORTATION

The High Speed Ground Transportation Association is holding its 17th Annual Conference and Expo at the Marriott Hotel, Market Street, Philadelphia on **May 10-13, 2000**.

The theme of the conference is "Building on Success to Expand Mobility" and includes a celebration of the inauguration of Amtrak's new Acela High Speed Rail Service. Featured speakers will include: **Governor Jim Florio**, former Governor of New Jersey; **Samuel Skinner**, former Secretary of Transportation; **George Warrington**, President, Amtrak; **Hon. Mortimer Downey**, Deputy Secretary of Transportation; **Bradley Mallory**, Secretary of Transportation, Commonwealth of Pennsylvania; **James Weinstein**, Commissioner, New Jersey Department of Transportation; **Anne Canby**, Secretary of Transportation, State of Delaware; **John Horsley**, Executive Director, American Association of State Highway and Transportation Officials; **Edward Hamberger**, President, Association of American Railroads; **William Millar**, President, American Public Transportation Association; **Peter Ruane**, President, American Road and Transportation Builders Association.

The conference will feature a number of special events including:

- Reception at 30th Street Station, Spirit of Transportation Room with a tour of the new Acela equipment (May 10th)
- An "Evening with Ben Franklin" at the Marriott Hotel (May 11th)
- Time Capsule program at the Historic Franklin Institute (May 12th)

There will also be technical tours of Amtrak, SEPTA, and PATCO facilities and a spousal pro-

GOVERNMENT AGENCY MEMBERSHIP PROGRAM

Over the years, there has been growing concern about the low membership of government employed civil engineers in ASCE. Therefore, the National ASCE Membership Committee and the Membership staff are making an effort to increase the membership of government engineers in ASCE.

Through the ASCE Government Agency Membership Program, we afford government agencies a discounted group rate. Our program is patterned after a similar program offered by the American Public Works Association with which many of you may be familiar.

Each participating agency will be allotted a minimum number of members for its group membership, based on the population that agency serves. An agency may purchase additional individual memberships at the discounted price of 10 percent off the full member rate.

Here are just a few of the ways ASCE will benefit your agency:

- **Technical Competence.** ASCE offers numerous opportunities both at the Local and National level to participate in technical activities that will broaden competence in the engineering field.
- **Government Engineer's Prospective.** ASCE provides a forum where the interests of government engineers are addressed. It also allows government engineers an opportunity to join together to address their unique needs.
- **Leadership/Management Development.** Being active in ASCE provides opportunities for developing skills in communications, public relations, negotiation, and leadership.
- **Peer Contact.** Active members of ASCE have the opportunity to network with other engineers both in government and private sectors. This networking allows ideas and solutions to many technical and professional engineering problems to be shared.
- **Continuing Education.** Continuing education courses and conferences are available to ASCE members, providing the required continuing education credits needed to maintain professional registration.

If you would like to know more about ASCE and its benefits to you and your agency, please contact **Greg DiLoreto**, Chair of ASCE's Membership Committee at (503) 848-3032 or **Nancy Berson**, ASCE's Director of Membership at 800-548-2723 ext. 6010.

gram.

The High Speed Rail Exposition at the Franklin Hall in the Marriott is expected to attract over 50 exhibitors displaying their high speed rail technology and professional service supporting the industry.

The conference is sponsored by: AAI Corporation, Bombardier Transport; LECET; Parsons Brinckerhoff; Renfe Talgo of America; SYSTRA



YOU TOO CAN BE A WINNER!

By Lloyd L. Pitts, PE, F, ASCE

I know that we as engineers don't like to brag, but brag we shall. The 150th Anniversary of ASCE is fast approaching in 2002. What an opportune time to promote our profession and ASCE! What an excellent reason to tell someone about ASCE and what ASCE has done for you, as well as the benefits of being a member. Membership does have its privileges.

You say you don't know exactly what to say? No problem, that is where the pros in ASCE's Membership Department can help you. Call **1-800-548-ASCE** and ask for Membership recruitment support or email member@asce.org and request a membership recruitment package with promotional information on the benefits of joining ASCE. But most importantly, when recruiting, tell them what **you** like about ASCE.

As you are aware, there is a Membership Drive underway with the theme "Y2K, Why ASCE?" How do you reach the winner's circle? By just recruiting one new member which starts by simply asking one person to join. Just think in addition to what the Membership Department is currently doing, if 10% of the National/International Membership recruited just one new member each year for the years 2000, 2001, and 2002, we could have over 150,000 members in ASCE for the 150th Anniversary year concluding ceremonies.

Be a winner and recruit one new member for the 150th Anniversary. By the way you'll also receive the following prizes for your recruitment efforts this year:

- 1 member = Pocket Binoculars
- 2 members = Flip Top Calculator
- 3 members = Business Card Portfolio
- 4 members = Golf Accessory Kit
- 10 or more members =

FREE ONE YEAR MEMBERSHIP

Lloyd L. Pitts is President of the Alabama Section, serves as the Zone II representative on the ASCE Membership Committee and was the 1990/1991 Membership Top Recruiter.

Consulting, Inc.; Amtrak; Brotherhood of Railroad Signalmen; LTK Engineering Services, Inc.; Parsons Transportation Group; SNCF International; Urban Engineers, Inc.; Alstom Transport Systems; Gannett Fleming, Inc.; North American Railway Foundation; Plasser American; Super Steel Schenectady/Siemens.

Further information may be obtained from: High Speed Ground Transportation Association,

ASCE OPAL AWARDS

By Delon Hampton, Ph.D., P.E., Hon. M. ASCE, President 2000 American Society of Civil Engineers
James E. Davis, P.E., F. ASCE Executive Director/CEO, American Society of Civil Engineers

Civil engineers are often the "unsung heroes," contributing greatly to the health, safety and economy of our nation and the world, but rarely being singled out for honor. To recognize the tremendous contribution of these individuals to our profession, the American Society of Civil Engineers is pleased to announce the institution of the new OPAL (Outstanding Projects and Leaders) awards.

The prestigious OPAL awards provide an opportunity to recognize and honor four outstanding Civil Engineers whose lifetime accomplishments have made a significant difference in one of four categories — design, construction, public works and leadership. In addition to the OPAL awards, a Civil Engineer who has demonstrated outstanding leadership and commitment to excellence during the past year will be honored with ASCE's Civil Engineering Achievement Award. These awards will be presented in conjunction with the 40th Annual Outstanding Civil Engineering Achievement Award (OCEA) at a black tie event in the nation's capitol on **April 29, 2000**.

We invite nominations of any outstanding civil engineering leader for one of the aforementioned categories. Nomination materials may be found on the Society's web site - www.asce.org.

Additional information regarding the awards and dinner can be found in ASCE News or the ASCE web site - www.asce.org. If you have further questions, please contact the OPAL Project Manager, **Patty Montgomery** at (703) 295-6101 or via e-mail at pmontgomery@asce.org.

STUDENT MEMBERSHIP DRIVE UPDATE

The 1999-2000 Student Membership drive is well on its way. You still have plenty of time to recruit more Student Members and receive ASCE rewards for your efforts.

Remember, each new member you sponsor brings you closer to becoming the Top National Student Recruiter in your geographic Zone and earning a \$250 ASCE Certificate. All Student Members who sponsor ten or more new ASCE Student Members between 9/1/99 and 4/30/00 receive FREE National membership dues for the year 2001.

How does your Student/Chapter Club measure up against the competition? The schools to challenge are listed below. If your school isn't listed, check the standings for your current status. The winning Chapter/Club from each Zone and Level as of April 30, 2000, will earn \$500 cash. If you're a Chapter or Club officer and you're holding on to membership applications, make sure to send them in ASAP so your fellow students can take advantage of ASCE's member benefits right away.

Thank you for supporting ASCE by participating in the 1999-2000 Student Membership Drive. Standings and winners will be updated during the first week of each month. If you have any questions or need more applications or copies of official Drive rules, please do not hesitate to call us at **800-548-2723** (ASCE), fax us at (703) 295-6333, or e-mail us at member@asce.org.

Zone I

Smeaton Level: University of Pittsburgh, Johnstown
Wright Level: New Jersey Institute of Technology
Roebbling Level:

Zone II

Smeaton Level: Tulane University
Wright Level: University of Arkansas
Roebbling Level:

Zone III

Smeaton Level: Lamar University
Wright Level: University of Minnesota
Roebbling Level: Texas A&M University

Zone IV

Smeaton Level: University of Arizona
Wright Level: University of California, Berkeley
Roebbling Level: California Polytechnic State U., S.L.O.

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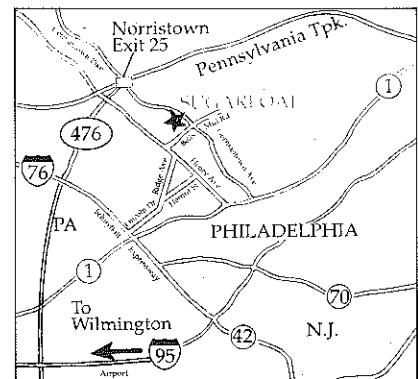
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DIRECTIONS: Sugarloaf driveways on Bells Mill Road WEST of Germantown Avenue and on Germantown Avenue NORTH of Bells Mill Road.

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RESOLVE TO ATTEND ALL MONTHLY SECTION MEETINGS AND FUNCTIONS... AND INVITE YOUR CLIENTS, ASSOCIATES AND COLLEAGUES TO COME ALONG WITH YOU!

JOIN THE SECTION'S TECHNICAL GROUPS

Younger Member Forum

Christopher Menna, President

City of Philadelphia, Dept. of Streets
Bureau of Surveys & Design - Bridge Section
MSB Building, Room 830
Philadelphia, PA
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Valley Forge, PA 19484-0794
(610) 650-8101

WISHING YOU A PLEASANT SPRING AND SUMMER

On behalf of the Officers and Board of Directors of the Phila. Section, ASCE, THE NEWS extends to the Membership its Best Wishes for a pleasant Spring and Summer Season. We look forward to an active 2000-2001 year starting in October, 2000. So, please participate fully, attend all meetings and functions of the Technical Groups, Standing and Special Committees, etc., and invite your colleagues and associates to join with you in attending and supporting all Section activities. And we'll see you at the Annual Dinner Dance at Sugarloaf, Friday, May 5, 2000 (see page 2 for details!)

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