



130 YEARS OF ENGINEERING EXCELLENCE



ENGINEERS' CLUB OF PHILADELPHIA

BULLETIN **SPRING 2008**

THE ENGINEERING AND TECHNICAL CENTER OF THE DELAWARE VALLEY

SPECIAL MEMBERSHIP MEETING APRIL 24, 2008 FUTURE DIRECTIONS OF THE ENGINEERS' CLUB

A MESSAGE FROM THE EXECUTIVE DIRECTOR



It is exciting times at the Engineers' Club. As you know, the Board and I are in the midst of a strategic planning process. The outcome of this process will be a **Strategic Plan** which will serve as a **blueprint for the Club's future**. As such, it is important that the Club's membership know about the plan and support its foundation. I believe the plan will present a very sound and positive future direction for the Club. The plan will map out some exciting changes for the Club. The Board and I are very pleased about the plan which addresses tremendous future opportunities for the Club. We need support from the membership and look forward to working with you to ensure the success of the plan and a prosperous future for the Club.

As promised, the plan will be ready to present to Club members in April. So please put Thursday, April 24th, 2008 @ 12 noon @ the Racquet Club of Philadelphia on your calendar now. This will be the date of the next membership meeting. Lunch will be provided. The purpose of this meeting will be twofold - to present the strategic plan to the membership and to give the membership the opportunity to meet and greet the new Officers and Directors of the Board.

If you find you cannot make that date and time, please let me know and I will make sure you get a copy of the plan. **Looking forward to seeing you on April 24th.**

Diane Conway, Ph.D., Executive Director

PRESIDENT'S MESSAGE



Dear Fellow Members,

Greetings and welcome to the Spring Edition of the Bulletin. This is my last President's Message as my term is coming to an end this April. I hope that we met your leadership expectations and keep you informed of the Club's important business matters through: The Bulletin, Flyers, E-mail and the recently improved Web-Site. By this message, as President of this great organization, I would like to take this opportunity to thank you for your confidence and unwavering support for the last two years. It is a great honor and privilege to be associated with the Club. I am proud of being a member. My term with the Board of Directors will continue as a Past-President, and I will do my best to serve on the Board and continue to support the programs that are in the best interest of the club, and the engineering profession.

My deepest appreciation to all of the **Club's Volunteer Staff and Board Members** for their dedication, loyalty, hard work, and for sharing their precious time and unending support of the Club. My special thanks to **Dick Mulford and Tom Payne** for their many years of volunteer services in the daily operations of the Club. This included, not only their personal time, but also their financial gifts through the **Mulford-Neal-Payne Scholarship Program**. Without them, the Club would not be as strong as it is today. However, life is full of opportunities, challenges, changes in priorities and needs. Changes in any organization are expected. Tom Payne has decided to relinquish his position as the Club's Director of Education at the conclusion of the Spring Education Program. Dick decided to relinquish his position as the Club's Treasurer in April 2009. For the past 17 years they made the Club's office their second home and considered volunteer services as their second career after their retirement from Philadelphia Electric Co.. You two are masters of volunteer service and have exhibited a passion for the Engineers' Club.. We salute you, **Dick and Tom**, and wish you the best of everything as you move into another phase of your lives.

If others are considering to get involved, share some time at the Club's office to do exciting, self-fulfilling and rewarding volunteer services and following Dick and Tom and other volunteer Board members as role models, please call me at 215-683-4479.

To conclude this, my last President's Message, I am pleased to report to you that Diane Conway, the Club's Executive Director and the Board are actively developing the **Club's Strategic Plan** that was initially discussed at the September 26, 2007 **Special Membership Meeting**. There have been a series of Board Meetings and Consultations conducted since that date and the long process will soon come into fruition. As promised, the plan will be shared to the membership in advanced of the follow up **general membership meeting**, which is anticipated to be held the week of April 20, 2008.

Thank you. Everyday is Engineers' Day.

Sincerely, Ruben D. David, P.E., President

REPORT FROM THE NOMINATIONS COMMITTEE

It is that time of year when the Club's Nominations Committee is busy compiling a slate of Officers and Directors willing to serve the Club, starting on May 1, 2008.

The Nominations Committee, Chaired by Joseph Syrnick, Past President, is composed of the following members: Eric Flicker, Judson Vogdes, and Joseph Krulikowski. Diane Conway, Executive Director, serves on the Committee as a non-voting resource person.

The Committee met in January, 2008 and selected a recommended slate for consideration in the upcoming election. The slate, which was submitted to the Board on January 23, 2008, and updated on March 19, 2008, is following:

Officers

| | |
|--------------------------------|-----------------|
| President-Elect | Eric Flicker |
| 1 st Vice President | Michael McAtee |
| 2 nd Vice President | Robert Wright |
| Treasurer | Richard Mulford |
| Secretary | Allan Ritchie |

Three Year Term Directors

James Markham
Carol Martsof
Christopher McCabe

Two Year Term Director

Dianne Dorland
Peter Silverberg

2008 ENGINEERS' CLUB OF PHILADELPHIA BOARD CANDIDATE BIOGRAPHIES

ERIC FLICKER, P.E.- Eric is currently the Senior Vice President/Chief Financial Officer at Pennoni Associates, Inc. He has been in the engineering field for 40 years. He has been active in the Engineers' Club as a Board member serving both in the offices of 2nd and currently as 1st Vice President. He has been National Chairman, American Council of Engineering Companies (ACEC); State President, Pennsylvania Society of Professional Engineers; Delaware Valley- Engineer of the Year- 2006. He is also

active in other technical societies specifically, ACEC/ National and ACEC/PA; NSPE/PSPE; ASCE.

MICHAEL McATEE, P.E. – Mike is currently the Senior Bridge Project Engineer / Project Manager for Urban Engineers. He has been in the engineering field for 13 years. Mike was selected as the 2004 Young Engineer of the Year by the Engineers Club of Philadelphia and as the Philadelphia Section of ASCE's

2004 Young Civil Engineer of the Year. Mike has served on the Board of Directors of the Engineers' Club since 2004, most recently holding the office of 2nd Vice President. Mike has also served in various positions in the American Society of Civil Engineers (ASCE), including: served in various positions on the board of the Philadelphia Section's Young Member Forum on the Board of American Society of Civil Engineers (ASCE): Served in various positions on the board of ASCE Philadelphia Section's Young Member Forum,

including President (1999 - 2005); served as a Northeast Regional Corresponding Member for ASCE's Committee for Younger Members (2005 - 2006). Delaware Valley Engineers Week Council (DVEWC): Vice Chair for Administration (2004 - present), Philadelphia Regional Future City Competition: Served as Steering Committee member, judge, volunteer (2003 - present), American Society of Highway Engineers (ASHE): Member, American Institute of Steel Construction (AISC): Member
Villanova University Engineering Alumni Society: Member

ROBERT WRIGHT, P.E. –

Bob is currently the Vice President and Practice Leader, Municipal Engineering/Streetscape for Urban Engineers. He has been in the engineering field for 28 years. He has been a member of the Engineers' Club since 2000 and has served on the Board since 2006. Most of his career has been with the City of Philadelphia where he rose through the ranks from entry level Graduate Engineer to his last position of Chief Engineer. In his various positions for the City, Bob was responsible for transportation/highway design, bridge design/construction, administration custodian of easement/ownership documents for rights-of-way, and field/property surveying. He directed the Transportation Engineering and Planning Section of the Engineering Division, where he was responsible for transportation/highway design and coordination with other transportation agencies (PennDOT, SEPTA, DRPA, Airports), He managed over 50 major highway improvement

projects in Philadelphia with a total construction value of over \$120 million. He has also been involved with other technical, specifically American Society of Civil Engineers – past Philadelphia Section President (1993-94), American Society of Highway Engineers (member of the Board of Directors), American Public Works Association, Institute of Transportation Engineers, Women's Transportation Seminar, and University of Pennsylvania, Transportation Systems Engineering Alumni Club (Vice Chair).

RICHARD MULFORD, P.E. –

Dick is currently the Treasurer of the Engineers' Club. He has been in the engineering field for 55 years. Dick has held various positions with the Philadelphia electric Company and has been volunteer Executive Director, Secretary and Treasurer for the Engineers' Club.

Dick has many listed accomplishments throughout his career: 1952: University of Pennsylvania – BSME degree
1957: University of Pennsylvania – MSME degree
1957: Registered Professional Engineer – Pennsylvania
1985 Dartmouth College – Tuck Executive Program diploma
Philadelphia Electric Co.: 1969 - 1969: Project Manager – Keystone Project 1969 – 1985: Project Manager – Limerick Generating Station 1985 – 1987: Manager – Nuclear & Environmental Section, Mechanical Engineering Division 1987 – 1991: Staff Engineer - Executive Vice President's Office.

He has also been the recipient of many honorable awards
1959: Recipient of the Lewis H. Kenney Award as Outstanding

Junior Member of the Club 1961 - 1962: President of Engineers' Club Junior Members Organization 1965 – 1968: Club Director and Chairman of Boosters Organization 1970 – 1982: Club Director and Chairman of Education Committee 1988: Recipient of the George Washington Medal 1992: Granted Fellow Member status 2007 – Recipient of Lifetime Achievement Award.
Dick is also involved in many other technical societies 1965 – 67: President of Engineering Alumni Society, U of PA 1968: President of Engineering & Technical Societies Council of Delaware Valley
1980: President of Delaware Valley Science Council 1981 – 1982: President of Philadelphia Chapter, PA Society of Professional Engineers 1961 – Present: Treasurer of Philadelphia Chapter, PSPE 1961 – Present: Treasurer of Delaware Valley Engineers' Week Council 1982 – Present: Treasurer of Delaware Valley Science Council 1985 – Present: Treasurer of Southeast Region MathCounts Organization 1988 – Present: Treasurer of Southeast Region of PSPE 1990 – Present: Secretary/Treasurer of Philadelphia Engineering Foundation 1990 – Present: Treasurer of the Pennsylvania Engineering Foundation 1981: Recipient of D. Robert Yarnall Award (Outstanding Engineering Alumnus) – U of PA 1993: Recipient of Alumni Award of Merit – U of PA 1991: Recipient of Distinguished Service Award – PSPE 1998: Recipient of Distinguished Service Award – PSPE 2002: Recipient of Presidential Award – Philadelphia Section – American Society of Civil

Engineers 2003: Recipient of Distinguished Service Award – Delaware Valley Eng

ALLAN RITCHIE, P.E. – Allan is currently retired from active engineering work after spending 40 years in the field. He earned his BS in Civil Engineering from Drexel University, his MS in CE from Lehigh University and holds PE and LS registration in Pennsylvania, New Jersey and West Virginia. He served as First Lieutenant in the Army Corps of Engineers, Engineer in Charge of NJ office for Modjeski & Masters, Executive VP & CEO for Site Engineers, Inc and most recently as President of Ritchie Engineers, Inc. He joined the Engineers' Club as a member in 1971. Throughout the years has served on the Finance Committee, Education Committee, Board of Directors and most recently as Secretary of the Board and as the editor of the Club's newsletter *The Bulletin*. Since 1976, has served continuously on the Industry Advisory Committee for Temple's School of Engineering, He has also been Past President of Philadelphia Section of PSPE, and a member and Past President of NCNJ Section of ASHE.

DIANNE DORLAND, Ph.D., P.E. – Dr. Dorland is currently the Dean of the College of Engineering at Rowan University. She has been in the engineering field for 38 years. She received her Bachelors and Masters Degrees from South Dakota School of Mines and Technology and her Ph.D. from West Virginia University. Starting with her first jobs out of college at Union Carbide and DuPont, Dr. Dorland has extensive experience both in industry and academia. She has been a faculty member at West Virginia University and the University of Minnesota – Duluth

prior to coming to Rowan, As a spokesperson for education and industry interaction, Dr. Dorland has strengthened the professional base for engineering education locally, nationally and globally. She has made major strides in the promotion of industry- university relations in the Delaware Valley, leading to significant industrial support for engineering programs. Dr. Dorland was a Distinguished Alumni, South Dakota School of Mines and Technology (2001) and Delaware Valley Engineers Week Council Engineer of the Year (2008) Dr. Dorland is also very involved with others technical societies. She has been a member of the American Institute of Chemical Engineers since 1969. Her extensive service in this organization culminated with her election to President in 2003. She is also active in the American Society for Engineering Education and was elected to the Executive Committee of the Engineering Deans Council in 2006. She is also a member of WEPAN, the Women's Engineering and Professional Associates Network, Sigma Xi and SWE, the Society of Women Engineers.

JAMES MARKHAM II, P.E. – James is currently the Philadelphia Transportation Division Manager for Pennoni Associates Inc. He has been in the field of engineering for 15 years. Some of his significant accomplishments are: 2005 Delaware Valley Young Engineer of the Year – Presented by the Engineers' Club of Philadelphia 2005 Young Civil Engineer of the Year – Presented by the Philadelphia Section of American Society of Civil Engineers. He has served on the Board of Directors for the

Club since 2006. James is also has significant involvement with other technical societies: American Society of Civil Engineers – President of the Philadelphia Section (assumed Presidency in May 2007) Engineers Club of Philadelphia Director since 2006 Transportation Systems Engineering Club (University of Pennsylvania) – Board member since 2002 American Society of Highway Engineers- member

CAROL MARTSOLF, P.E. - Carol is currently the Manager of Professional Career Development for Urban Engineers. She has been in the field of engineering for 14 years. Some of her most significant accomplishments are Professional Engineer, PA 2006 ASCE National Edmund Friedman Young Engineer Award for Professional Achievement 2003 ASCE Zone 1 Citizen Engineer Award 2002 Delaware Valley Young Engineer of the Year 2002 WTS Philadelphia Member of the Year 1999 ASCE Young Civil Engineer of the Year 1999 ASCE National Daniel W. Mead Prize. Her involvement with the Club has been serving on the Board of Directors since 2002 Communications Committee, 2000 to 2007 and Committee Member, EWC/EC Golf Outing, 1999 to Present. She is also involved in other technical societies: President, Women's Transportation Seminar (WTS), Philadelphia Chapter Annual Report Chair, WTS International Past President, American Society of Civil Engineers (ASCE), Philadelphia Section Committee Member, Committee on Women and Diversity, ASCE International Engineering Careers and Workforce Development Committee, American Consulting Engineers Council of Pennsylvania

(ACEC/PA) Chair, College Scholarship Committee, Delaware Valley Engineers Week Council Member, Education Committee, Delaware Valley Green Building Council (DVGBC) - Temple University (College of Engineering Alumni Board Member) - Rowan University (College of Engineering Advisory Board Member) - Philadelphia Engineering Foundation (Vice President)

- PenTrans (Board Member)
CHRISTOPHER I. MCCABE , Esq. – Chris is currently Senior Counsel for - Jacoby Donner, P.C. He has been an attorney for more than 20 years. His most significant accomplishments are: Employed for 13 years in the City of Philadelphia Law Department representing many of the City's engineers on Airport projects, Streets Department projects, and Water Department projects; presently Senior Counsel at Jacoby Donner, a well-known construction law firm. Chris has been a member of the Club since 2005; a Board member of the Club since November 2007;

frequent attendee of ECP luncheons; and a presenter at two ECP luncheons on issues of interest to the engineering profession. He is also an active member of the Philadelphia Bar Association and a member of the Phila. chapter of the AIA and other construction industry associations.

PETER SILVERBERG, P. E. – Peter is currently retired and serves as the Communications Chair, Philadelphia Section IEEE. He has been in the engineering profession for 31 years. His previous positions included *Senior Electrical Engineer*, Stone and Webster Engineering Corp. where he performed Equipment Qualification verifications to assure compliance with Nuclear Regulatory Commission rulings. Onsite Lead Qualification Engineer during the startup of Nine Mile Point 2 Nuclear Power Plant (Oswego, N.Y.); *Senior Insulation Engineer*, Parsons Peebles Electric Products Inc. where he designed all motor and generator insulations, prepared qualification reports that accompanied standby generators for nuclear plants

and performed the laboratory work that backed up the qualification reports; *Chemical Engineer*, General Electric Co., where he investigated materials and processes for insulating generator stators. Devised methods to remove saltwater emulsions from #6 fuel oil; *Senior Analytical Engineer*, Pratt and Whitney Aircraft Co., where he investigated materials and processes for insulating generator stators. Devised methods to remove saltwater emulsions from #6 fuel oil. and *Chemical Engineer*, Air Products and Chemicals Inc., where he measured vapor-liquid equilibrium of Argon-Oxygen-Nitrogen. Estimated costs for new processes at the research stage. Peter is also an accomplished researcher who has a long list of publications and is has also been an associate editor for both *BioPharm International* and *Chemical Engineering*. Peter is a member of the Institute for Electrical Engineers and has served as a officer for 3 years. He has also served on the Board of Directors of the MIT Club of the Delaware Valley.

MEMBERS IN THE NEWS

JOSEPH SYRNICK

Joe Syrnick has been appointed by Mayor Nutter to the City Planning Commission. We picked up this good news from the January 19th Edition of the Philadelphia Inquirer. Our congratulations and best wishes are extended to Joe on his appointment to this important City Commission.

MICHAEL McATEE

We have a reliable report that a very special event occurred at the McAtee home On January 30, 2008. It seems that Owen Michael, a new son, weighed in at 7 lb-8 oz, and 19-3/4 inches tall. The Club members all extend their best wishes to the proud parents and grandparents. We celebrate with you these memorable events.

CLUB SPONSORS

The Club is proud to honor and thanks our corporate sponsors:

| | |
|-------------------------|-------------------------|
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GBCA ANOUNCES UPCOMING PROGRAMS AND EVENTS

The General Building Contractors Association (GBCA) has announced that there website is up and running and may be accessed at www.gbca.net. News and coming events are available.

A few upcoming events are provided following. Save the date on your schedule and confirm specific information at a time closer to the event.

April 14, "Benchmarking the Health of your Company". Location: TBA

May 7, "GBCA Spring Sporting Clays Outing". Lehigh Valley Sporting Clays.

SCIENCE FAIRS NEED VOLUNTEERS

Henry Disston, President of Delaware Valley Science Fairs, Inc. has contacted the Club seeking volunteers from the engineering and scientific community. Volunteers are needed on three days, April 1-3, 2008 at the Valley Forge Convention Center, King of Prussia, PA. If you are able to help out, contact Henry Disston at www.disston@drexel.edu.

Delaware Valley Science Fairs, Inc. was founded in 1949 making it one of the oldest Fairs in the country. It is now also one of the largest. The Fairs were designed as a vehicle for stimulating interest in science and technology among students in middle and high schools in the tri-state area. The philosophy behind the Fairs is that students learn science by doing science.

They provide a forum for students to present their scientific work and interact with scientists in their field to receive feedback on their efforts. Students are awarded, scholarships, cash prizes, and recognition for outstanding work. They provide mentoring and teacher training to facilitate participation in this activity.

RESOURCE DIRECTORY POSITIONS AVAILABLE

EMPLOYMENT OPPORTUNITIES FOR ELECTRICAL, MECHANICAL, AND SOFTWARE ENGINEERS.

Cornerstone Resources Inc., an established technical placement firm, has several long-term contract and direct placement opportunities for engineering and IT professionals with companies in the greater Philadelphia and surrounding areas. Openings include:

Electrical Project Engineer (Hvy. industry; power; PLC).

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Senior Instrument Engineers (instrumentation;refinery).

Senior Mechanical Designers (HVAC/Piping).

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**DELAWARE VALLEY ENGINEERS
WEEK CELEBRATED
DELAWARE VALLEY ENGINEERS
WEEK CELEBRATED
FEBRUARY 15-23**

**2008 DELAWARE VALLEY
ENGINEER OF THE
YEAR**



**DIANNE DORLAND,
PhD, PE
DEAN OF
ENGINEERING,
ROWAN UNIVERSITY**

Engineers Week is celebrated annually in February, and it includes the birthday of George Washington, our First President and also our First Engineer.

The Engineers' Club sponsors the Young Engineer of the Year Dinner at the McCall Golf and Country Club, which was held on February 20. **Rajeev K. Arora, P.E.** was the recipient of the Young Engineer of the Year-2008 Citation. The award honors young engineers who have contributed to their profession and to their community through achievement and participation with service beyond self.

Three students who are currently attending **Widener University** were awarded scholarships. These were presented by the Lewis A. Caccese Scholarship Fund and the John S. Morrison Scholarship Fund.

Dr. Dianne Dorland, Dean of the Engineering College at Rowan University, addressed the attendees of the Young Engineer Dinner. Dr. Dorland has been named **Engineer of the Year** for 2008, by the Delaware Valley Engineers Week Committee. She will be the spokesperson for the Engineering Community in the Delaware Valley this year.



Among those honored at the Young Engineer Dinner are (above, left to right), Young Engineer of the Year Rajeev Arora, Caccese Scholarship Recipients Jennifer Nugent, and Joseph Schneider (with Dick Mulford).

THE PUZZLE CORNER

WINTER ISSUE CHAMPION

RON TRAWINSKI

MIKE McATEE

BOB WRIGHT

WINTER ISSUE ANSWERS ARE: #1. 4006 ants. #2. 3:31 PM, 6:16 PM.

NEW PUZZLE #1: The ABC's of Cars. The student parking lot has 81 cars in it; all Acuras, Beetles, and Camrys. There are half as many Acuras as Beetles, and the number of Camrys is 80% of the number of Acuras and Beetles together. How many of each kind of car is in the parking lot?

NEW PUZZLE #2: The Fifth is Half Asleep! In a 3:00 PM presentation Mr. Smith gave to less than 104 fifth-graders, there were three boys for every five girls. At 3:04 some were asleep and some were awake; by 3:05 one-fifth of those awake fell asleep, and one-fourth of those that had been asleep woke up. There were then as many kids awake as asleep. How many fifth-graders were there; how many boys and how many girls?

Good luck! These don't appear to be too difficult, give them a try and send in your solutions. My e-mail address: aritchie@engrclub.org

CLUB OFFICERS

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The Engineers' Club of Philadelphia publishes the BULLETIN for distribution to its members and throughout the engineering and scientific community of the Delaware Valley.

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