

E. Ross Forman, P. E.
1990 Delaware Valley Engineer of the Year

E. Ross Forman, P.E., Director of Automation Technology of Day and Zimmermann, has devoted his 36 year professional career to the automation field. As an engineer in a highly sophisticated technology, he sees automation as a tool that enables the management control of processes and time. Mr. Forman is vitally interested in the need to have young people enter the profession. Accordingly, he is an active participant in the MathCounts program of the Professional Engineers Society.

A Registered Professional Engineer in Pennsylvania since 1955 and registered in three other state, Mr. Forman hold a B.S. in Mechanical Engineering and an MBA from Drexel University. He joined Day and Zimmermann in 1978 as Manager of the Instrumentation Department and assumed his current title in 1988. Day and Zimmermann is a \$500 million engineering and professional services firm headquartered in Philadelphia.

Mr. Forman is currently the Vice-President of the Industries and Sciences Department of the Instrument Society of America, and received their Golden Achievement Award in October 1989. His office contains the activities of virtually all industries that are automated, including power, textiles, chemical and petroleum, as well as foods and pharmaceuticals.

Mr. Forman was involved in youth activities with the Boy Scouts of America and currently is on the Board of Alpha Phi Omega, the National Service Fraternity. He has been an Adjunct Associate Professor at Drexel University and in the Industrial Advisory Committee for the Mechanical and Manufacturing Engineering Department of Spring Garden College where he is immediate Past Chairman. He was cited in *Philadelphia Magazine* as a World Class Philadelphian.



Alma Kuppinger Forman, P. E.
Hall of Fame Inductee, Philadelphia Section

Alma Forman, P. E., Professor, Mechanical Engineering, at Temple University College of Engineering, Computer Sciences and Architecture, was a charter member of both the Society of Women Engineers and the Philadelphia Section of the Society of Women Engineers. She is a past chairwoman of the Philadelphia Section, a former National Board member, and currently, the faculty advisor for the Temple Student Chapter.

While teaching the Theory of Graphics and Machine Drawing at Temple, Mrs. Forman also is the Director of Computer Services (Engineering & Architecture) and has been the advisor to students conducting independent computer graphics projects. In 1989, she received the College Alumni Association's Distinguished Faculty Award. Her recent publications include "AUTOCAD Laboratory Manual" for Temple University and "The 3-D Challenge" American Society for Engineering Education Proceedings 1989 Annual Conference.

Previous to joining the faculty of Temple in 1980, Mrs. Forman had been an Adjunct Professor at Drexel University, Montgomery County Community College, and Spring Garden College. Her industrial experiences includes positions at Peter Paul, Incorporated, Kuljian Corporation, and the Department of the Interior. Mrs. Forman has also consulted with Footwear Industries of America and C. W. Dustin. She received her B.S. Civil Engineering degree from Drexel University and is a Registered Professional Engineer in Pennsylvania.

As well as her involvement with the Society of Women Engineers, Mrs. Forman is an active member of the National Society of Professional Engineers, Philadelphia Chapter, the American Society for Engineering Education, the National Computer Graphics Association, the Society of Manufacturing Engineers, and Autocad Users Group and the Delaware Valley. Through the Society of Professional Engineers, she also lists MathCounts as one of her activities.

Susan L. Best, P. E.
1990 Delaware Valley Young Engineer of the Year

Susan Best, P. E., Senior Transportation Engineer at McCormick, Taylor and Associates, Incorporated, is the Young Engineer of Year for the Delaware Valley. Her specialized areas of expertise are traffic analysis and highway planning and design. She is currently project manager for a planning and feasibility study for the extension of the American Parkway N.E. in Allentown, PA, involving the analysis and evaluation of the traffic, environmental, cost, and benefits of extending the parkway.

Susan has also developed the final directional signing plans for I-95 through Delaware County, a 10-mile long corridor. She has prepared directional signing, pavement marking, and traffic control plans for I-78 near Allentown, PA, the reconstruction of portions of I-76, including the I-676 (Vine Street) interchange in Philadelphia, and the Basin Street Corridor improvements in Allentown, PA.

A Registered Professional Engineer in all four states of the region, Susan holds a B.C.E. in Civil Engineering from the University of Delaware and a M.S. also in Civil Engineering from California State University. She has been active in SWE over many years at different locations and at several levels. Besides Philadelphia, Susan has been part of the Chicago and Los Angeles sections. She is currently treasurer for the Middle Atlantic Region and has served on various committees at the national level. These include Tellers, Procedures, both of which she chaired, Membership, Nominating, and Student Section Study committees. Along with her active participation in SWE, she is also a member of the American Society of Civil Engineers and the American Society of Highway Engineers.



Some Surprising Statistics On Who Misses Work More

Q. Two women in our office are having babies in the next few months and another woman has been out a lot recently trying to find a nursing home for her mother. When we were discussing this recently, one woman in our group said that she thought that over time, men probably missed as much work as women. Is this really true? Do you have any statistics? B.K., Ridgewood, NJ

A. Most people assume that women are out of work more than men. But there are statistics which show that, on average, women only lose half a day more a year than men. Figures from the National Center for Health Statistics indicate that in 1987, for example, the average number of days lost at work annually by women was 3.4 while the average for men was 2.8. Since this includes all time taken for childbirth and recovery, women are clearly missing less time for illness and accidents than men are. Both stages of life and sex are factors. While women are out more while they are having children, men have more illness and disabilities after they are 40.

(Obtained from "Work & Family Life", Bank Street College, 610 W. 112th St., New York, NY 10025; edited by Dr. Susan Ginsberg)

The next three pages are excerpts from the minutes of the Council of Section Representatives meeting this past June. These were the major issues. If any one is interested in reading the entire minutes, contact Val Bagnell. I am certain any discussion or thoughts on these topics would be appreciated by the various committees.