GENERAL MOTORS
NORTHSTAR V8 ENGINE

IN
CADILLAC'S NORTHSTAR SYSTEM
A Message From the Chicago Section Chairman

In December, the Chicago Section governing board held the third in a series of strategic planning workshops, led by Becky Fadik of SAE International. Out of this work has come the mission and vision statements for the section. The mission or purpose of an organization needs to be identified and clearly stated so that everyone understands why the organization exists -- its charter or reason for being. This is a general statement that speaks in broad terms. The vision statement goes along with the mission to express what the organization is trying to accomplish. The vision is a goal that the organization strives to reach.

Mission Statement

The purpose of the SAE Chicago Section is to meet the professional needs of its members and to support the community through technical programs, education and other activities.

Vision Statement

All mobility engineers in the area will be active in the SAE Chicago Section and will promote the development of mobility technology.

Having identified the mission and vision of the section, the governing board then identified our three key customer groups: SAE Chicago Section members; companies, employers and industries of the Chicago Section area; and future members and elementary through college schools and students. The board is now in the process of setting specific goals to improve our support of these customers. Action plans will be formulated for the board and its committees to pursue.

The section nominating committee has also been elected by the board to put together a slate of officers for the 1994-1995 season. The nominating committee consists of Chuck Cervenka, Al Kluge, Al Dohner, Jim Buxton, Jim King, Rodica Baranescu and Chuck Cornell. Please feel free to contact one of us by Thursday, Feb. 3 if you're interested in becoming more active in the section.

At our Tuesday, Feb. 8 meeting we will have a presentation on the Cadillac Northstar V8 system. We look forward to seeing all of you there.

Chuck Cornell
Chicago Section Chairman
1993-94 SAE CHICAGO SECTION GOVERNING BOARD
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Randy Richards, Chicago Section members, and Nancy O'Brien from Caroline Bentley School, New Lenox, IL, watching demonstration at the computer file in IIT Rice Campus Library.

Tour of College of DuPage campus, guided by Ms. Ruth Sweetser, included five computer laboratories. Above, a demonstration of a Chemistry Lab experiment being run on a computer. (Guess what? No smell!)
Randy Richards, at the C.O.D. executive luncheon, giving an excellent, inspiring talk to executives, student advisors, reps, board members, campus faculty, and Vision 2000 teachers.

Tour of IIT Rice Campus computer laboratory.
General Motors introduced the Northstar V8 engine as part of Cadillac's Northstar System in the 1993 Allante, Seville STS, and Eldorado Touring Coupe. The Northstar incorporates many innovations and technical features to create a compact and high-performance engine for the world's premium front wheel drive luxury automobiles. The Northstar has been combined with the all new 4T80-E four speed automatic transmission and common control system to form a completely integrated powertrain. The powertrain has been integrated with the vehicle chassis systems to form the Northstar System.

Samuel R. Winegarden is Chief Engineer of the Premium V Product Team, General Motors Powertrain. He began his GM career at Buick Motor Car in 1969. He has been with the Powertrain Group since 1985. He holds a BSME from General Motors Institute and a MBA from University of Michigan.

Dale L. Phillips is Program Manager, Premium V Production Team, General Motors Powertrain. He began his GM career at Cadillac Motor Car in 1967. He has been with the Powertrain Group since 1985. He holds a BSME from General Motor Institute.

Mr. Block's presentation will highlight the complications and corresponding tools necessary to project manage the design and construction of Engine Test Facilities.

Michael C. Block is a Senior Engineer with Ricardo North America

Keith King is a design engineer at AEC Inc where he is responsibl
FACILITIES CONSTRUCTION
by
I C. Block

(RNA). He joined RNA in 1990 and managed the development of Ricardo's new Chicago Technical Center, located in Burr Ridge, Illinois. Mr. Block holds a BS degree in Mechanical Engineering from Columbia University in New York.

for development of robotic systems for the plastics industry. His experience also includes application engineering for diesel engines in the construction and agricultural industry. Keith holds a BS in Mechanical Engineering from Bradley University.

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