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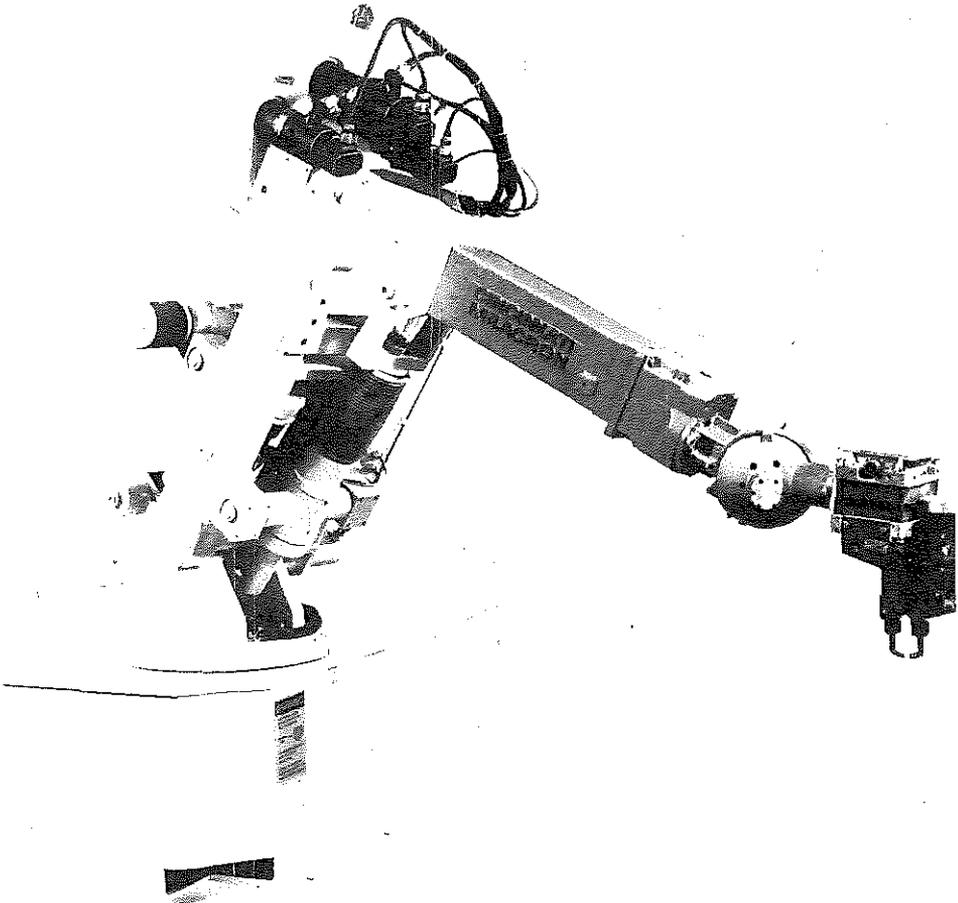
CHICAGO
SECTION

NEWS

VOL. 53

NO. 2

FEBRUARY, 1985



**ROBOTICS IN GENERAL MOTORS
A LOOK AT THE FUTURE**

SAE CHICAGO SECTION NEWS

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Address all Correspondence to S.A.E. Chicago Section office.
 330 E. Roosevelt Road, Lombard, Ill, 60148 PHONE: (312) 629-6363

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VOL. 53

FEBRUARY, 1985

NO. 2

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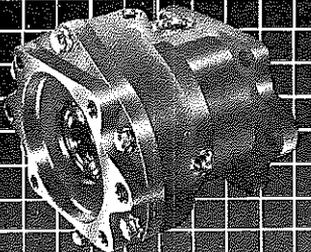
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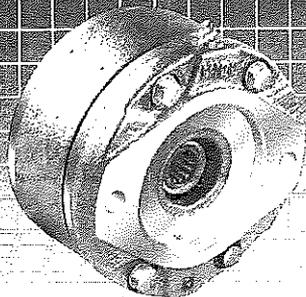
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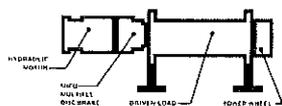
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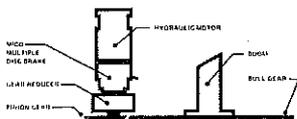
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Typical MULTIPLE DISC BRAKE applications

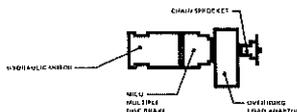
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SAE ACTIVITIES
CHICAGO SECTION—OCTOBER 9, 1984



Dr. Gordon Millar, SAE National President, addresses the Chicago Section and brings them up-to-date on the progress and advancements that SAE is making on the national and international level.



Tom Kowaleski, Renault/Jeep Sport, talks about the exciting world of sports club racing.

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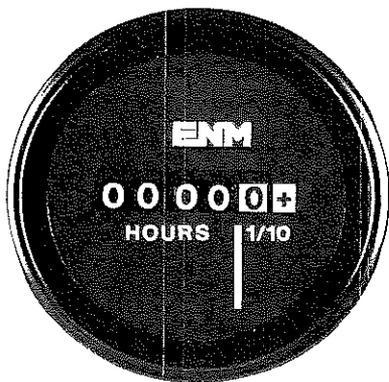
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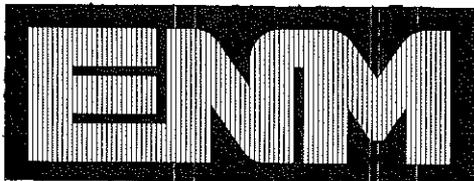
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SPEAKER



ROBERT F. WELCH

CHAIRMAN



WILLIAM FARRELL

ROBOTICS IN GENERAL
A LOOK AT THE FU
BY
ROBERT F. WEL

General Motors effort to be in the change and to effectively compete market will be discussed. GM products down sized using new materials for light power plants for more efficient gasoliments in manufacturing technology automatic systems such as inspection will be covered as well as how basic these new concepts.

ROBERT F. WELCH, Chicago Fish Engineer, joined the division in October to Chicago as Supervisor of Tool and of 1954. Mr. Welch attended school Applied Science. He spent two years U.S. Navy during World War II in the of war.

WILLIAM FARRELL is a Sales Eng hide Manufacturing Company, OE D degree from Illinois State University

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DINNER – 7: 30 P.M.
THEATRE – 9:30 P.M.

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- (5) Cash bar.
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- (7) **Reservations must be received by February 27, 1985.**

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Y 12, 1985

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and implementation of
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research develops into

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Die Design in February
at the Detroit College of
on active duty with the
Asiatic/Pacific theater

neer for Chicago Raw-
vision. He holds a MS

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6:00 P.M. Dinner

7:00 P.M. Technical Session

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Dinner Reservations Required

Single Table Reservations Restricted to 8 people.

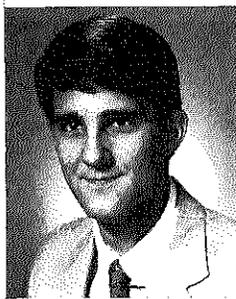
Contact your plant representative

or Chicago Section Office
(312) 629-6363

FOX VALLEY DIVISION
SAE Chicago Section
TUESDAY, FEBRUARY 19, 1985

Amoco Research Center
For Location:
See map on opposite page

SPEAKER



GERALD K. SCHMIDT

CHAIRMAN



SAM D. VALLAS

**ACCELERATING THE PHASEDOWN OF
LEAD IN GASOLINE**
BY
GERALD K. SCHMIDT

In August of 1984 the Environmental Protection Agency issued a regulatory proposal that would reduce the permitted level of lead in gasoline from the present 1.1 grams per gallon to 0.1 by January 1, 1986, a 90% reduction. Can the Petroleum Industry meet EPA's deadline? What will be the impact on the refining and marketing segments? What options for lead replacement are available to refiners?

GERALD K. SCHMIDT is a Research Engineer involved in gasoline blending and fuel additive testing at Amoco Oil Co. Gerald is coauthor of a recently published SAE Paper entitled "Modern Refining for Today's Fuels and Lubricants." He holds a BSME degree from Iowa State University.

SAM D. VALLAS has been a research technician in the Automotive Laboratory at Amoco for over seven years. His responsibilities include vehicle testing and facility maintenance in the Amoco "All Weather Chassis Dynamometer" complex, and he has participated in field studies for marketing and advertising. He came to Amoco from Sun Electric Corp. where he sold, serviced, and conducted training sessions on engine diagnostic equipment.

5:30 P.M. Social Half Hour
6:00 P.M. Dinner
7:00 P.M. Tech. Session

Meeting Sponsors

Amoco Oil Company
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SAE Plant Representative**

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Mrs. Jo Ann Hill
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Give Name and Company

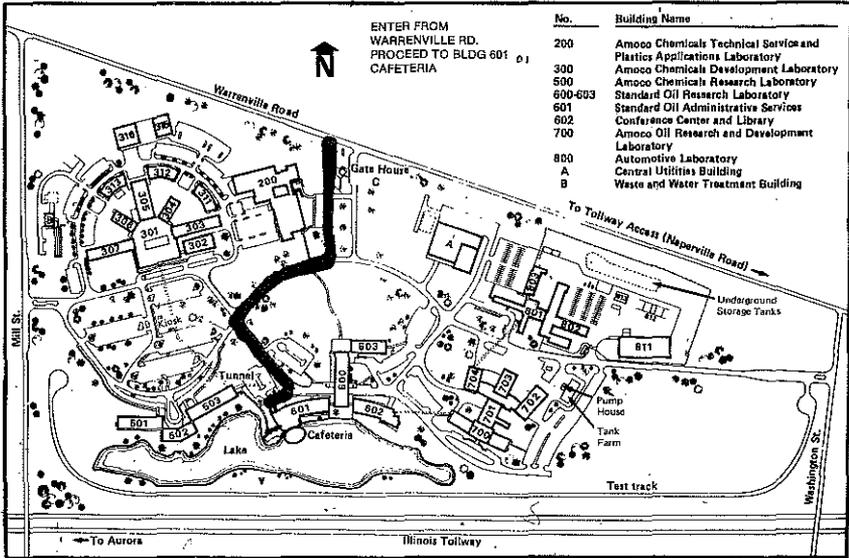
DEADLINE: February 14, 1985

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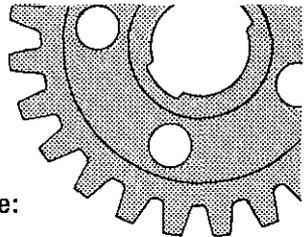
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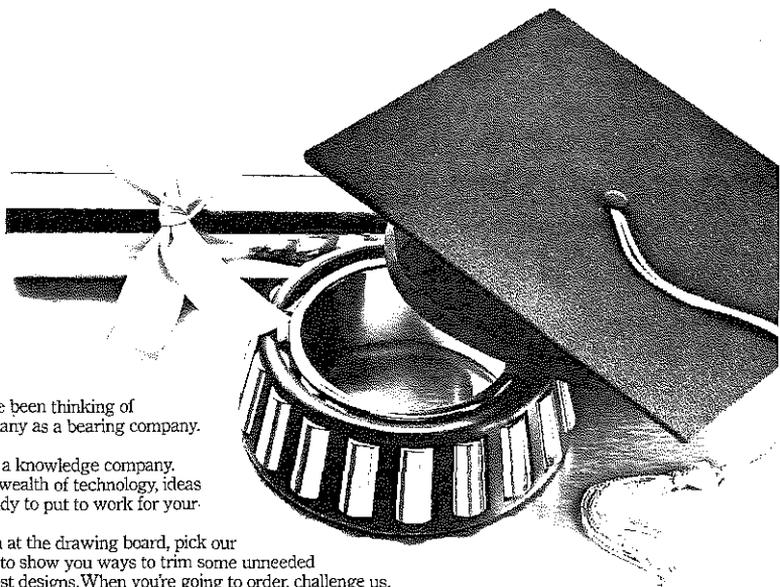
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Pontiac's all-new GRAND AM for 1985 will be featured in their display at the 77th Annual Chicago Auto Show. This high-styled, sophisticated, five-passenger sporty coupe is right in tune with the expanding new car market.

Chicago Auto Show officials report that the upcoming show opening Saturday, February 9th at McCormick Place has all the indications of being one of the most exciting ever.

Members of the S.A.E. Chicago Section each receive two show tickets (enclosed with this issue of the "News") courtesy of the Chicago Automobile Trade Association, provided we receive complimentary tickets prior to mailing. Otherwise, pick up your tickets at S.A.E. office.

SAE ACTIVITIES FOX VALLEY DIVISION—OCTOBER 17, 1984



Bill Lindsey, Chairman, Fox Valley Division, opens the meeting and welcomes the group to the first meeting opening the 1984-1985 season.



Hiroshi Yano, Tech Chairman presides at the meeting, and welcomes **Doran K. Samples** who described the engineering design and development of Chrysler's Laser and Dodge Daytona automobiles.

SAE — Chicago Section

1984-1985 Meeting Dates

Date	Group	Subject
1984		
10-9	Chicago	SA student Activities—AMC Racing (Jeeps/Renaults)
10-17	Fox Valley	Chrysler Laser Car
10-23	Michiana	Robots
<hr/>		
11-8	Fox Valley	Experimental Stress Analysis in the '80's . . . and beyond
11-13	Chicago	Mack Truck—16.4 Litre V-8 Engine
11-27	Michiana	Ford Aerostar
<hr/>		
12-6	Fox Valley	Caterpillar 3500 Series Engine
12-11	Chicago	Fisher Body Plant Tour; Meeting at Willowbrook
<hr/>		
1985		
1-8	Chicago	Mini-Seminar on Bearings
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2-12	Chicago	Robotics at General Motors; A Look at the Future
2-19	Fox Valley	Phasedown of Lead in Gasoline
<hr/>		
3-12	Chicago	Engine Oil Classification System
3-19	Fox Valley	Caterpillar 936 Wheel Loader
3-26	Michiana	Miles Laboratory
<hr/>		
4-9	Chicago	Advanced Technology, Plastic Engine
4-23	Fox Valley	International 6.9 Litre Engine
4-23	Michiana	Ethanol Plant
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5-14	Chicago	Transportation Equipment

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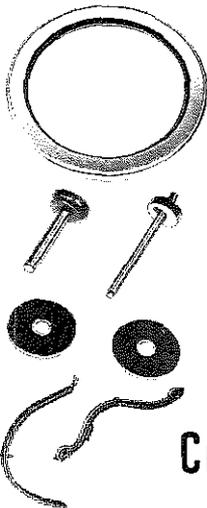
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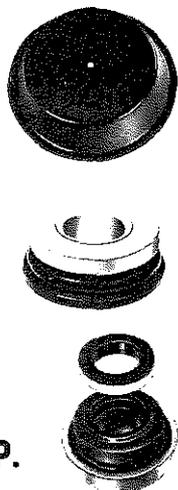
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