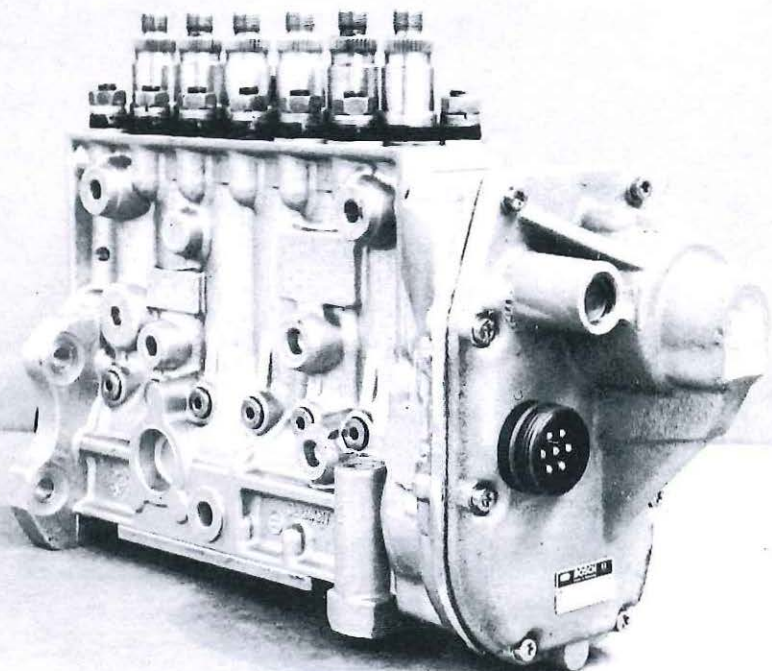


# **SAE** CHICAGO SECTION **NEWS**

**VOL. 54**

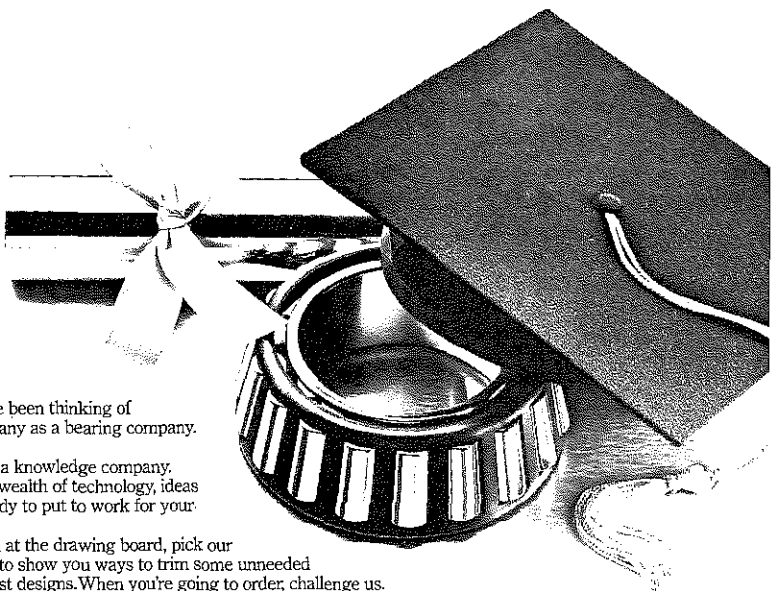
**NO. 2**

**FEBRUARY, 1986**



**ROBERT BOSCH HIGH PRESSURE  
INJECTION PUMPS  
WITH  
ELECTRONIC CONTROL**

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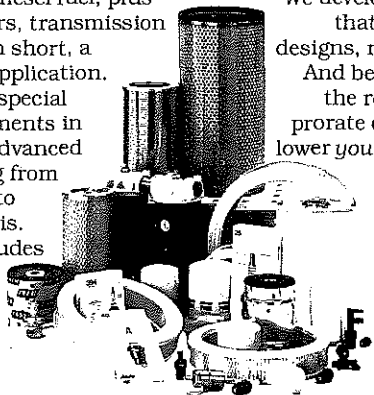
Fram can handle your special heavy-duty filter requirements in one of the world's most advanced facilities, with everything from radioactive wear testing to spectrographic oil analysis. Our equipment even includes an environmental test chamber that can compress a full year's

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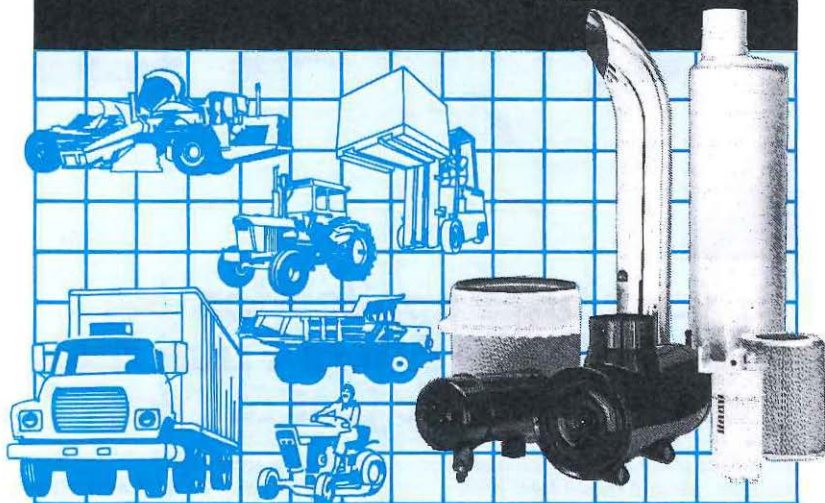
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- Fuel filter coalescers.
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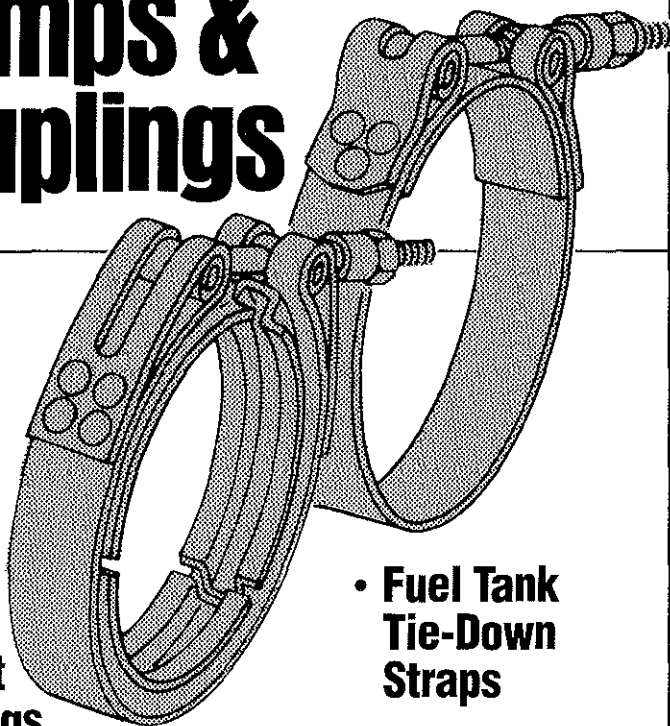
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## CHICAGO SECTION — FOX VALLEY DIVISION

**SAE** The Engineering  
Resource For  
Advancing Mobility

**TUESDAY, FEBRUARY 18, 1986**

**Holiday INN • 345 W. River Road**

**Off I-90 South on I-31 • Elgin, ILLINOIS**

**SAE** The Engineering  
Resource For  
Advancing Mobility

### THREE SESSIONS

**5:00 P.M. — SESSIONS A & B — 7:30 P.M. — SESSION C**

#### Speakers



**John E. Favill**



**Rune Karsbaek**

#### SESSION A — 5:00 P.M.

The Harley-Davidson Evolution Engine.

Speaker: **John E. Favill**. The presentation traces from conception through development to the birth of the Evolution Engine including problems and their solutions. Certain manufacture techniques are described.

**Mr. Favill** is now Chief Design Engineer-Powertrain for Harley-Davidson Motor Company.

**Mr. McKahin** is a Human Factors Engineer at J.I. Case in Hinsdale, Illinois.

#### SESSION B — 5:30 P.M.

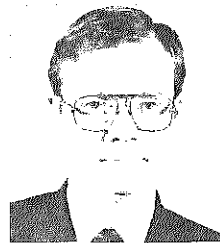
Sound Intensity

Speaker: **Rune Karsbaek**. Sound Intensity: What is it? How can it be measured? What can it be used for? How powerful is it? What are its limitations? Sound power using sound intensity! Mapping! Source Ranking! Background noise and its influence!

**Rune Karsbaek** joined Bruel & Kjaer Instruments in 1982 and has worked as a Field Application Engineer responsible for the sale of sound and vibration instrumentation.

**Bruce D. Herman** is a district sales engineer for The Torrington Company, and has a B.S.M.E. from Rensselaer Polytechnic Institute.

#### Chairmen



**H.B. McKahin**



**B.D. Herman**



**Gary Strouse**

**SESSION C — 7:30 P.M.**

The Greene, Tweed & Company RSA Scraper

Speaker: **Gary Strouse.** In 1984, the SAW E-5 Landing Gear Committee requested Greene, Tweed & Company to evaluate all current hydraulic scraper designs to determine the efficiency which of the candidates could prevent contamination from entering the cylinder chamber.

The RSA Scraper is available in two designs — a snap in wiper to meet a new Air Force specification and, a metal encased wiper for industrial applications.

**Mr. Strouse** is a graduate of Rennselaer Polytech Institute of Troy, New York. He has been with Greene, Tweed & Company for 25 years, and currently is the Manager of Product Development.

**Mr. Adkins** is a graduate of Lake Erie College in Painesville, Ohio, and is a Territory Manager for Greene, Tweed & Company.



**Robert Adkins**

**MEETING SPONSORS**

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Bruehl & Kjaer Instruments, Inc.  
The Torrington Company  
Fram O E. Division

**STUDENT SPONSORS**

Hydro-Components R & D, Inc.  
Elgin Sweeper Company

6:00 P.M. — Social Half Hour  
6:30 P.M. — Dinner  
7:30 P.M. — Session C

**PRICES**

\$11.00 — Members  
\$13.00 — Non-Members  
\$ 6.00 — College Students

**Dinner Reservations Required**

**Deadline: 12:00 Noon - Feb. 14, 1986**

Contact Your Plant Representative  
or

**Mrs. JoAnn Hill**

**(312) 859-5116**

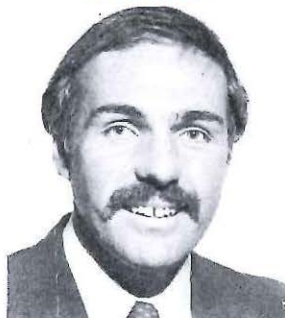


**SPEAKER**



**MANFRED SCHLEBUSCH**

**CHAIRMAN**



**RICHARD J. KOZERSKI**

**HIGH PRESSURE INJECTION PUMPS WITH ELECTRONIC C**  
**HEAVY DUTY DIESEL ENGINES**

**BY**

**Manfred Schlebusch**

Within the Robert Bosch Diesel Injection Pump Program the MW- and P-pump respectively. The significance concerning medium-duty and heavy-duty engines.

Specific developments of the pump were necessary in order to realize injection pressures up to 1200 bar, for the MW-pump and P-pump respectively. A further development was the development of a robust electronic-governor concept.

**MANFRED SCHLEBUSCH** is Manager of Diesel Fuel Injection Engineering for Robert Bosch. He is responsible for directing the test and application activities of heavy duty diesel engines, at Robert Bosch's headquarters in Broadview, Illinois.

He joined Robert Bosch in 1966 as an application-engineer. He holds an engineering degree of engineering in Cologne/Germany, and has been a SAE member since 1970.

**RICHARD J. KOZERSKI** is the Manager of Application Engineering — Diesel Engines Division. In his 14 years at Victor he has held various engineering positions responsible for product design. He received his B.S.M.E. from the University of Illinois at Toledo; and will receive an M.B.A. from Illinois Benedictine College in 1988 and A.S.M.E.

**JOHN DAMUSIS**, Director of Engineering for Victor Products Division of Deere, will share his impressions of doing business in China based on his recent trip.





**SAE -CHICAGO SECTION**

**Saturday, March 15, 1986**

**LADIES NIGHT**

**AT**

**DRURY LANE  
OAKBROOK**

**COCKTAILS — 6:30 P.M.**

**DINNER — 7:30 P.M.**

**THEATRE — 9:30 P.M.**

**Theatre production:**



*A knee slappin',  
hand-clappin'  
evening of musical fun!*

## **SAE - CHICAGO SECTION**

**Saturday, March 15, 1986**

### **LADIES NITE**

**! NOTICE !**

## **RESERVATION REQUIREMENTS**

Limited accommodations require the following procedure:

- (1) Advance ticket purchase.
- (2) Reservations by mail or phone on first come, first served basis. **Check must accompany reservation. NO refunds.**
- (3) Self-addressed, stamped envelope must be included in ticket application.
- (4) Ticket application must be mailed to:

**THOMAS J. OWEN  
Chicago Rawhide  
113 Fairfield Way  
Room 203  
Bloomington, IL 60108  
Phone: (312) 742-7840**

Fill out form below for mailing application. Tear out entire sheet and mail to above address.

- (5) Cash bar.
- (6) Price: \$40.00 per ticket. (Includes 2 drink tickets.)
- (7) **Reservations must be received by February 21, 1986.**

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ADDRESS \_\_\_\_\_

CITY & STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_



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JOHN A. DAMUSIS

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fuel injection systems in the

engineering degree from the col-  
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6. He is a member of S.A.E.

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BETWEEN LAKE STREET (ROUTE #20)

AND

IRVING PARK ROAD (ROUTE #19)

**5:30 P.M. Social Half-Hour**

"ATTITUDE ADJUSTMENT HOUR"

**6:00 P.M. Dinner**

**7:00 P.M. Technical Session**

### **MEETING SPONSORS:**

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**Dana Corporation**

**Victor Products Division**

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### PRICES

\$11.00 - Members

13.00 - Non-Members

6.00 - College Students

**Dinner Reservations Required**

**Single Table Reservations Restricted to 8 people.**

Contact your plant representative.

or

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(312) 629-6363

## **SAE ACTIVITIES**

**New SAE members like to be recognized and pinned.**



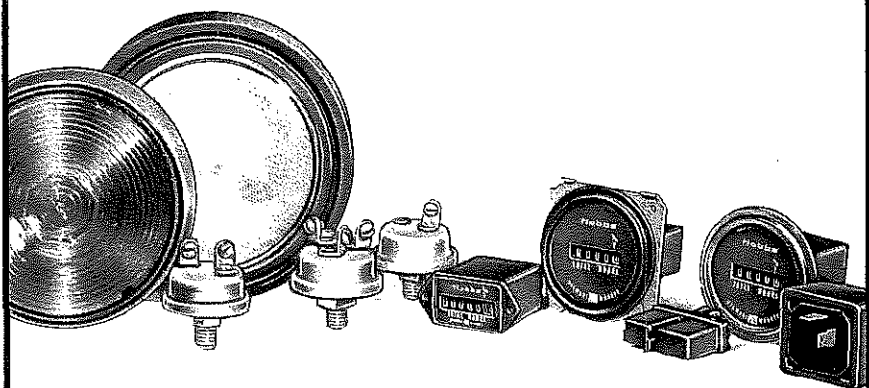
**How many new members have you recruited lately? Let's get busy. SAE has many, many opportunities to offer.**

---

**The Chicago Section appreciates the diligent efforts of those members and wives who served on the various assignments at the 1985 National Truck and Bus Meeting held at the Hyatt Regency O'Hare.**

**The Chicago Section extends its appreciation to those organizations and corporations that gave their employees permission and time to serve at this important meeting.**

**Thanks to All!**



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---

## **International Congress & Exposition**

**February 24-28, 1986**

**Cobo Hall — Detroit, Michigan**

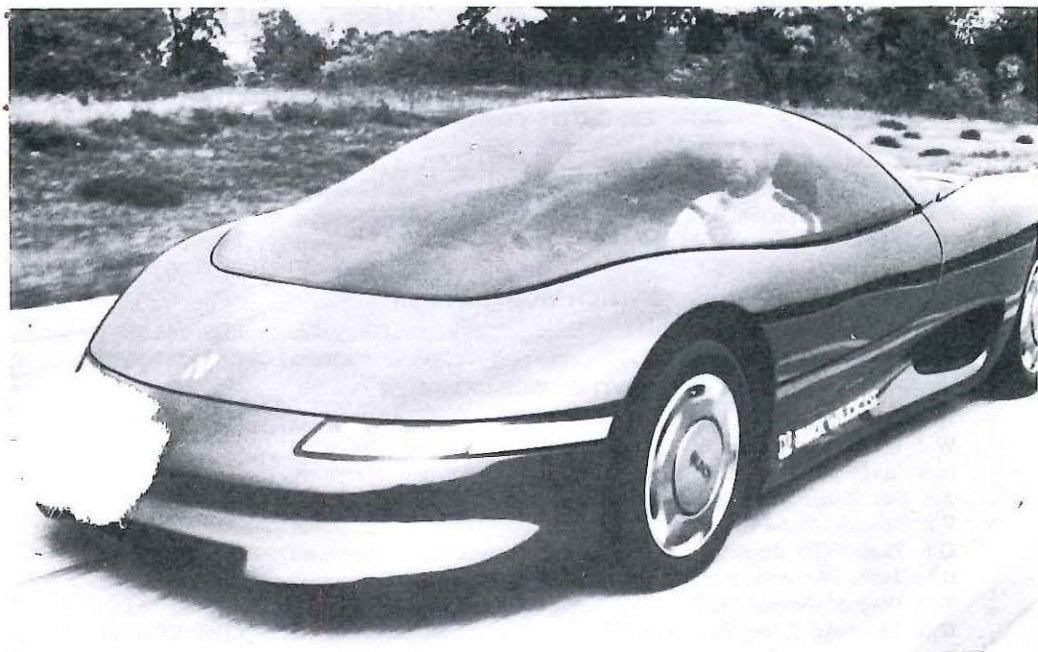
**Theme: "Excellence in Engineering"**

**National SAE Meetings are stimulating and enlightening experiences to anyone that attends. This year's Congress is better than ever — offering:**

- (a) More than 170 technical sessions covering a variety of subjects.**
- (b) Technical Tours which include GM's Pontiac Fiero assembly Plant and Chrysler's Tech Center where advanced robotics and manufacturing methods are created.**
- (c) Continuing Education Courses on a wide variety of subjects.**

# CHICAGO AUTO SHOW

Visit the "World's Greatest!"



The Buick Wildcat is back — but only in concept form at the 78th Annual Chicago Auto Show. The first production model bowed in 1962 — the last, in 1970. Now the Wildcat returns with ideas for the future and with systems already available on today's vehicles, or about to be added.



All gears are meshing to make the Chicago Auto Show that opens February 8th at McCormick Place, 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 the S.A.E. office.

# SAE CHICAGO SECTION NEWS

Published by CHICAGO SECTION, SOCIETY OF AUTOMOTIVE ENGINEERS

**VOL. 54 FEBRUARY, 1986 NO. 2**

**GOVERNING BOARD CHICAGO SECTION — 1985-1986**

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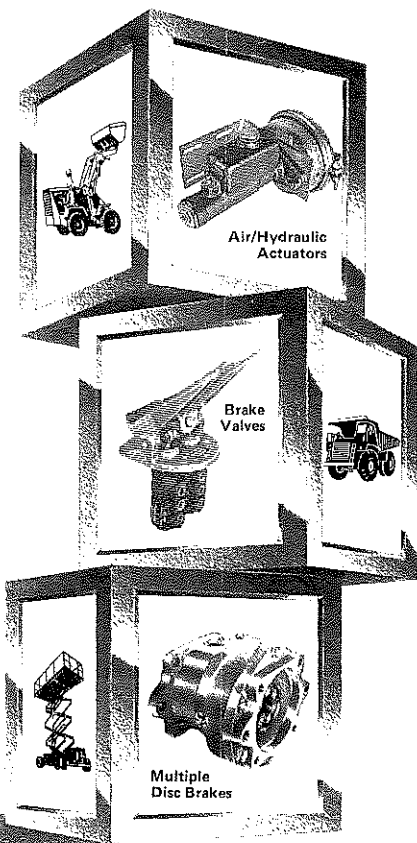
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