SAE CHICAGO SECTION NEWS

VOL. 54 NO. 4
APRIL, 1986

SAE ACTIVITIES

The entire Chicago Section expresses its appreciation to the following people who gave their time and effort to place the Auto Show tickets in the February, 1986 issue of the News:

Jake Bertram
Mary Bertram
William Grey
Mike Hopkins
Al Kluge
Chuck Nelson
Ken Wolfgram
Jan Wolfgram
Hiroshi Yano

Thank You!

People who work hard and participate in SAE activities enjoy what they're doing and have a good time doing it.
L to R: Pat Brunicardi, Bill Farrell, and Chuck Cervenka.

BUILDING A BETTER BRAKE SYSTEM WITH

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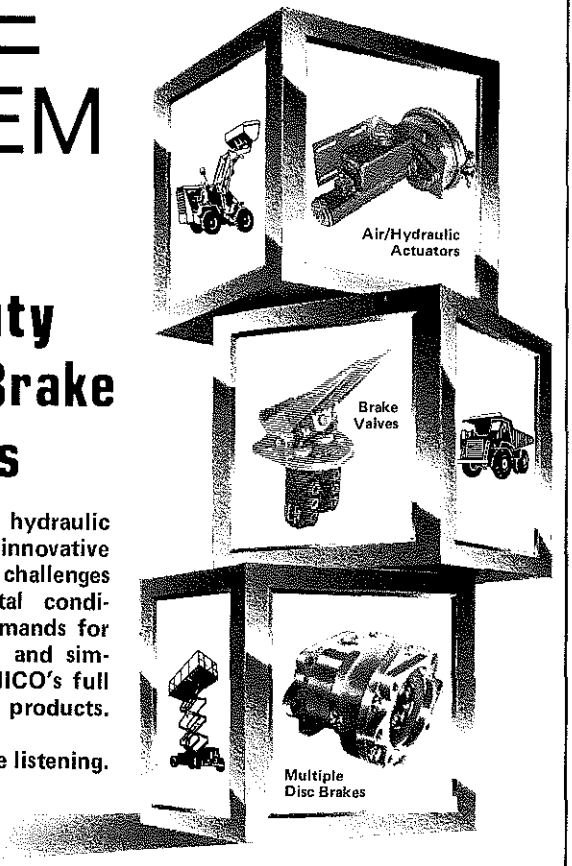

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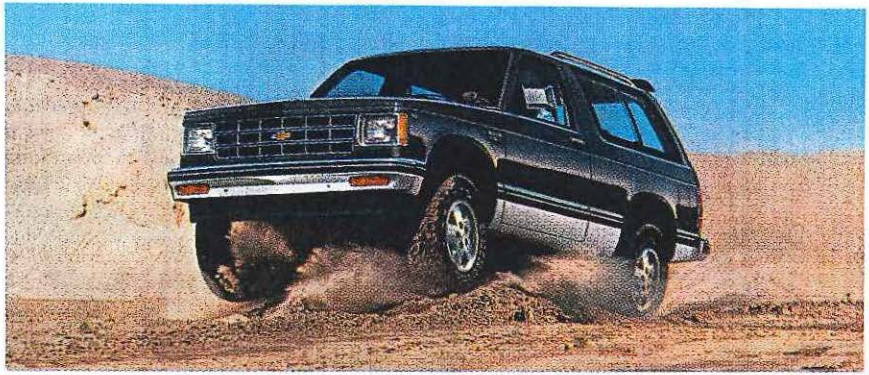

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A high-technology battery for today's high-technology vehicles: The Delco Freedom Battery. It's a truly maintenance-free automotive battery. Made with a tough, finely grained lead calcium power grid that contains no antimony to cause excessive gassing and water loss. With a sealed top, to help prevent overfilling, contamination and internal damage. And with a lifetime supply of electrolyte, so you never have to add water. Ever.

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Delco gives you Freedom of choice. Delco Freedom Batteries come in a variety of efficient sizes and performances that can help you save weight, space and fuel. And they're available with different terminal configurations to meet your specific requirements.

Get more than just a battery. Get 57 years of Delco Remy experience, and the know-how that comes from having manufactured 391 million batteries (100 million Freedoms). Get Delco Remy's worldwide expertise as a complete electrical systems designer. And get the freedom of a no-maintenance battery designed and tested for dependability: The Delco Freedom Battery.

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A world leader in automotive electrical systems.

GM

Delco Remy

SAE ACTIVITIES

CHICAGO SECTION JANUARY 14, 1986

Bill Farrell presides as chairman.

Ray Morris, SAE Headquarters, has an informative discussion with **Chuck Cervenka** prior to the evening's technical program.

SAE The Engineering Resource For Advancing Mobility

SPEAKER

JOHN FISHER

CHAIRMAN

DR. J.J.

MICHIANA DIVISION
SAE Chicago Section
TUESDAY, APRIL 22, 1986

SPECIAL FEATURE: SPOUSE'S NIGHT

TOPIC: SOUTH BEND'S EAST RACE WATERWAY

BY

JOHN E. FISHER, PE
PARTNER, LAWSON-FISHER ASSOCIATION

The East Race is a man made branch of the St. Joseph River. Used in the 1800's by industry it has been rebuilt into a local recreational facility and international Kayak course. John Fisher will describe its design, construction and use.

John Fisher has both BS and MS degrees in civil engineering from the University of Notre Dame. As a registered professional engineer in 9 states, John has considerable experience in construction and construction management of hydro-electric, hydraulic and waste treatment facilities. He is currently a partner in Lawson-Fisher Associates, Consulting Engineers.

Dr. Jerry J. Marley is an Assistant Dean of Engineering in the College of Engineering at the University of Notre Dame. As a civil engineer, Dr. Marley's work has included soil mechanics and construction techniques.

Note: Before or after the meeting you may walk along the East Race, just east of the Wharf Restaurant.

Meeting Location
Wharf Restaurant
Colfax Avenue at the River
South Bend, IN

6:00 p.m. —Social Period
6:30 p.m. —Dinner
7:30 p.m. —Technical
—Presentation

Student Support:
Hydro-Components R & D Inc.

Reservations:
Ray Brach
Univ. of Notre Dame
(219)239-5433

Deadline: 4:00 p.m. EST
Thursday, April 17, 1986

Prices

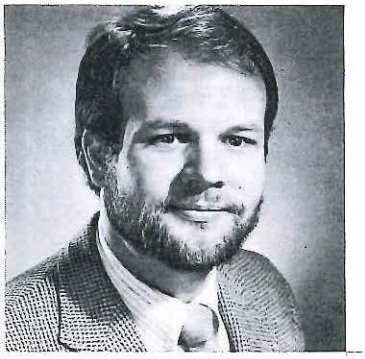
$11.00	MEMBERS
$12.00	NON-MEMBERS

Note: With reservations select either
Orange Roughy or Prime Rib

SAE The Engineering Resource For Advancing Mobility

SAE-CHICAGO SECTION
TUESDAY, APRIL 15, 1986

SPEAKER



ALAN LEARD

CHAIRMAN

TED WAGNER

C

ROY

"FUEL SUPPLIES — LOOKING BACK, LOOKING AHEAD"

BY

ALAN LEARD

Motorists, truckers, farmers, railroads and the construction industry all depend on fuel at an affordable price. In shortly more than a decade, the U.S. — and the oversupply to shortages and back to oversupply. Alan Leard's talk will put histo into perspective, and will review expected future fuel demands, crude sources a tions of alternate and synthetic materials to the motor fuel pool.

COFFEE TALK: "BURMA"

Alan Leard is a Research Engineer in the Fuels Research Division of Amoco Oi involved in fuel demand forecasting, gasoline volatility studies and evaporative received his BS and MS degrees in Mechanical Engineering from Kansas Sta

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Roy Slovenko is Director of Refinery Strategies in the Refining and Engineerin Oil Company. He has degrees in Chemical Engineering from Tulane Univers Michigan. Roy is a camera enthusiast of long standing, and travels widely throug matter. His recent film travelogues have focused on the Far East.

ELMHURST COUNTRY CLUB

WOOD DALE ROAD

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

OFFEE TALK

SLOVENKO

. reliable supply of motor
world — has gone from
cal demand and supply
ıd supply, and contribu-

Company. He has been
emissions testing. Alan
ə University.

ı Department of Amoco
y and the University of
ɔut the world for subject

PRICES

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

Dinner Reservations Required
Single Table Reservations Restricted to 8 people.
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or
Chicago Section Office
(312) 629-6363

SAE

SPEA

DR. R.

CHA

JAMES M

FOX VALLEY DIVISION
SAE Chicago Section
TUESDAY, APRIL 22, 1986

ENGINE VIBRATION DAMPENING
BY DR. ROMULUS RACCA

This presentation will review the principles involved in the selection and application of elastomeric isolators to internal combustion engines in order to develop an isolation system that is both effective and provides satisfactory service life.

Dr. Romulus Racca is Senior Project Engineer at Barry Controls, Eastern Operations, in charge of O.E.M. Applications. Dr. Racca received his BS at the University of Connecticut and subsequently received his MS and PHD degrees from Columbia Pacific University. Dr. Racca has a PE license from the State of Connecticut. He has over 33 years experience in the design and application of elastomeric shock and vibration control devices. He is the author of several patents and many technical articles in this field.

James M. Quigley is Vice President of Clarkson Company in Chicago, as well as Area Sales and Technical Representative for Barry Controls. Jim received his BSME degree in 1973 from Northwestern University and a MA degree from Boston.

COFFEE TALK SPEAKER: Jim Culpepper

Jim Culpepper is an exercise physiologist at Edward Hospital in Naperville, IL. Jim's talk will provide various ways to relieve stress and strain common to office ridden workers.

Meeting Location
Saratoga Hotel
Corner of Rte. 31 and I-5
North Aurora, IL

5:30 p.m.—Attitude Adjustment
6:00 p.m.—Dinner
7:00 p.m.—Technical Session

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Barry Controls
Rexroth Corporation
Payhauler Corporation
Caterpillar Tractor Co.

Student Support:
Hydro-Components R & D Inc.

Reservations:

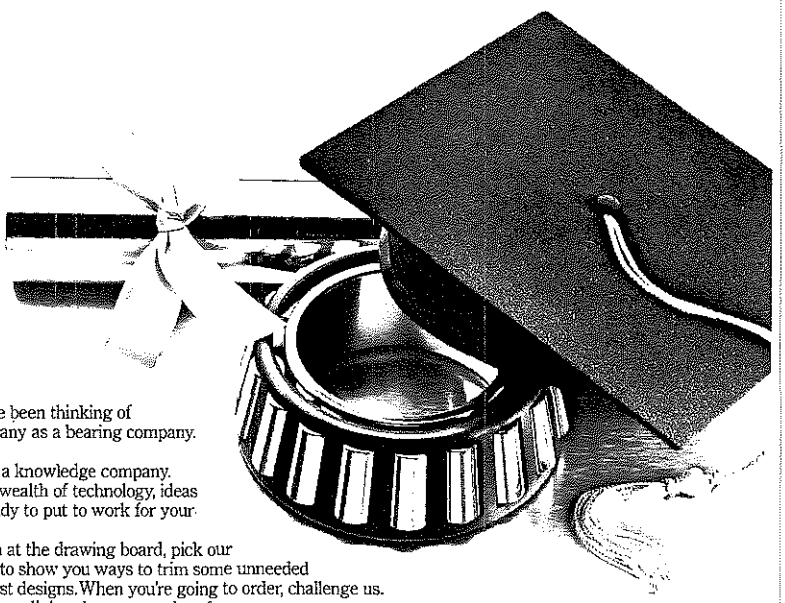
Mrs. Joann Hill
(312) 859-5116

Deadline: April 18, 1986

Prices

$11.00	MEMBERS
$13.00	NON-MEMBERS

IT'S NOT JUST WHAT WE MAKE. IT'S WHAT WE KNOW.



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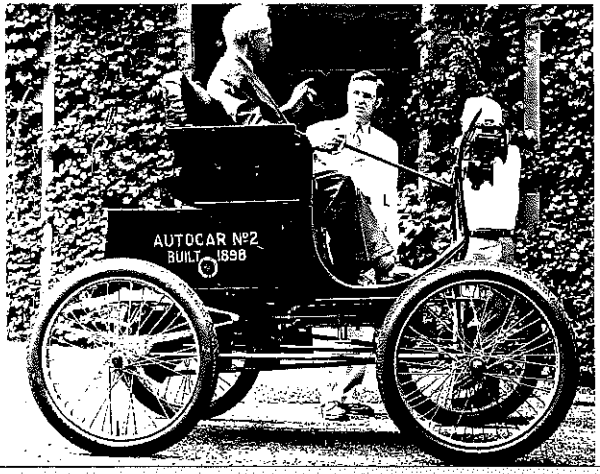

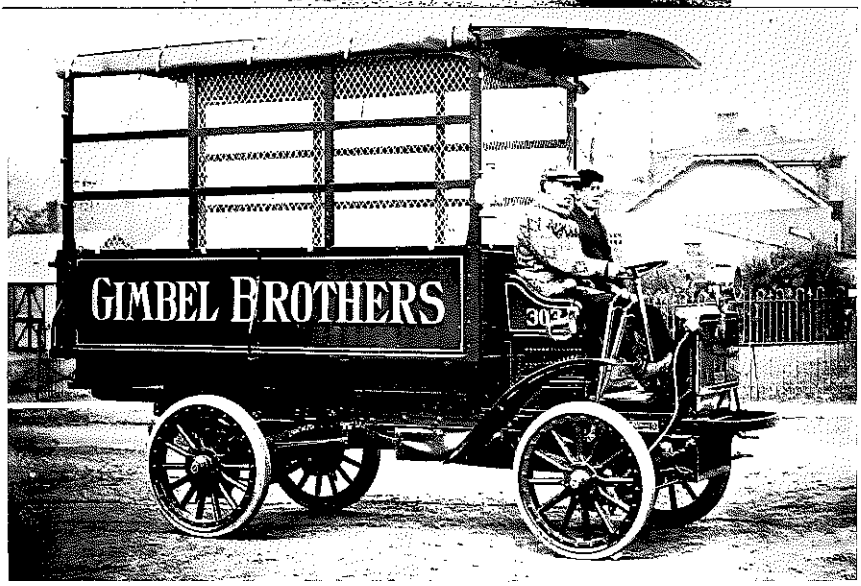

Power Steering? Power Brakes? Air Conditioning? Automatic Transmissions? Hadn't even been invented when these cars were built.

Photo Ctsy.: SAE—A History of Motor Truck Development

SAE CHICAGO SECTION NEWS

Published by CHICAGO SECTION, SOCIETY OF AUTOMOTIVE ENGINEERS

VOL. 54 APRIL, 1986 NO. 4

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SAE-CHICAGO SECTION
1985-1986 Meeting Dates

Date	Group	Subject
1985		
10-8	Chicago	Caterpillar Wheel Loader
10-15	Fox Valley	Caterpillar Integrated Tool Carrier
10-15	Michiana	New Energy Ethanol Plant
11-12	Chicago	Power Plants
11-19	Fox Valley	Epcot Center
12-9 to 12-12	Chicago	SAE - National Truck & Bus Meeting
1986		
1-14	Chicago	Manufacturing & Materials
1-21	Michiana	Aristotle Of Airfoils
2-11	Chicago	Parts & Accessories
2-18	Fox Valley	Harley-Davidson V-2 Engine
3-11	Chicago	Transportation Equipment
3-18	Fox Valley	Lubricants (Gear Oils)
3-18	Michiana	U.S. Military Vehicle - Hummer
4-15	Chicago	Fuels and Lubricants
4-22	Fox Valley	Engine Vibration Dampening
4-22	Michiana	East Race
5-13	Chicago	Advanced Technology

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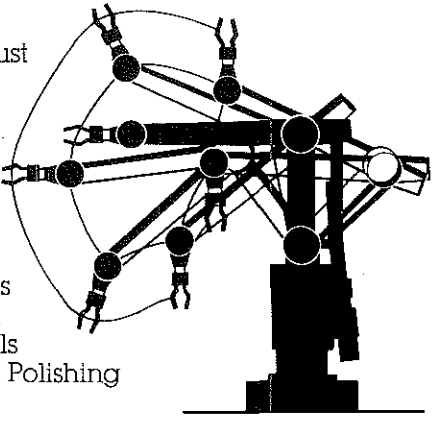

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