

MARCH/1972

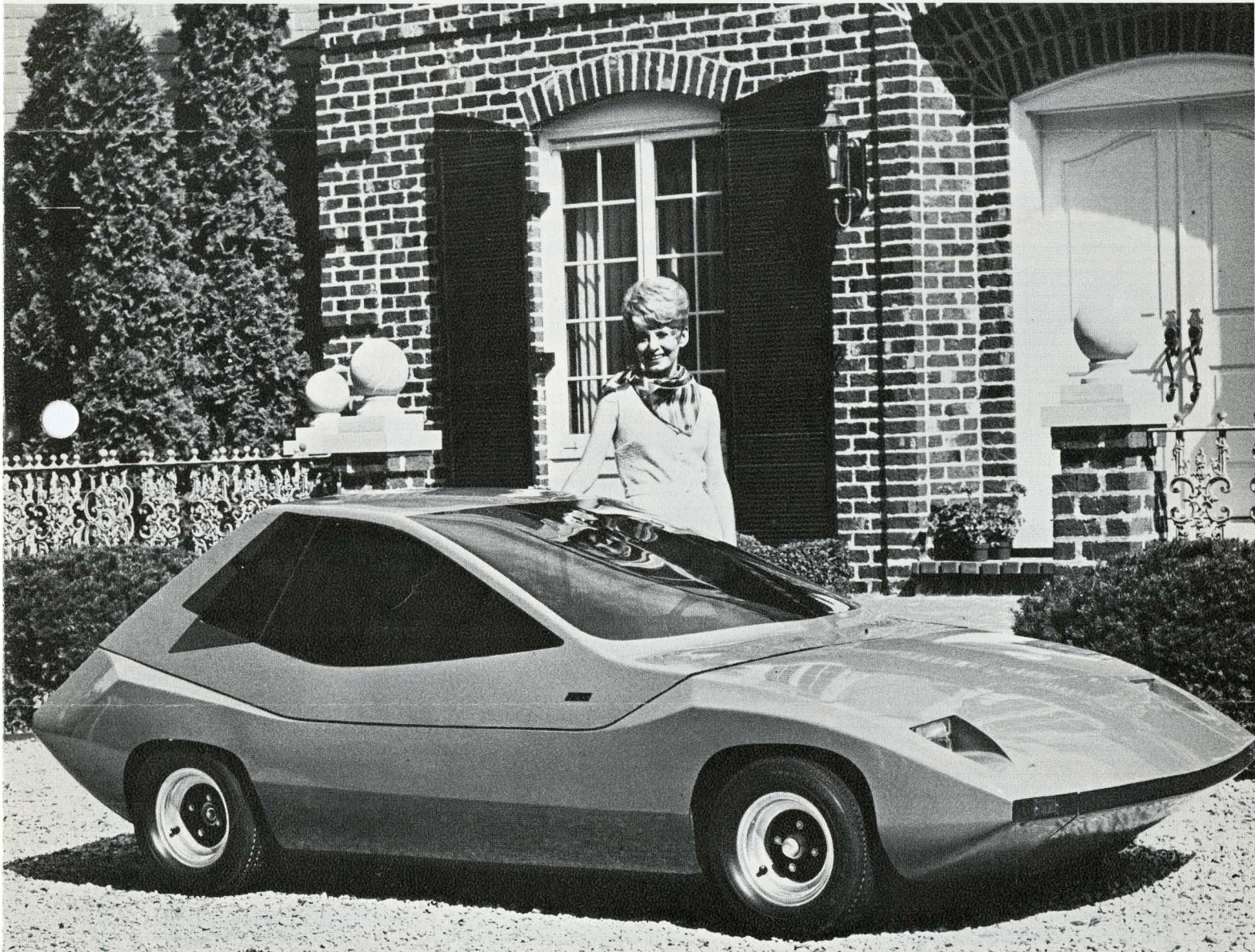
CHICAGO  
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FAMILY NIGHT, MARCH 29  
ELECTRIC CAR— VEHICLE OF THE FUTURE?

FIRST CLASS

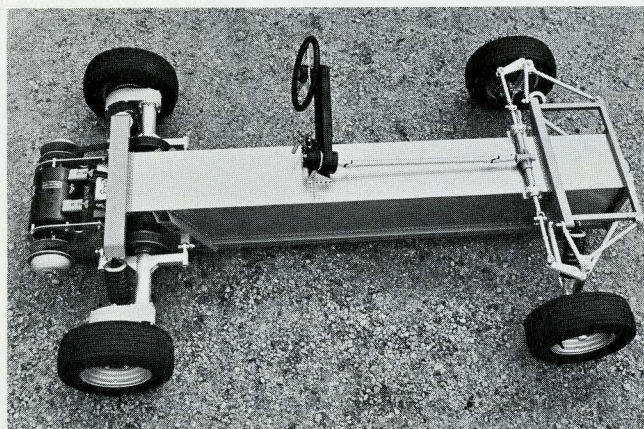
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## Electric Car-Vehicle of the Future?

Family Night on March 29 will star Robert S. McKee, president of McKee Engineering Corporation, in a discussion of electric vehicles. Weather permitting, he will demonstrate his newest electric vehicle, the electric commuter car featured on the February 1972 cover of *Mechanix Illustrated*.

With no emission problems to worry about, the electric vehicle may be an answer to pollution problems, particularly in overcrowded cities. McKee's Commuter Car has a top speed of more than 60 miles per hour, and has a range of 100 miles, or 65 to 75 miles of city driving, without recharging. The average trip is only 7.5 miles, according to traffic experts. The car can accelerate from 0 to 30 mph in 9 seconds.



*The chassis of the McKee electric commuter car shows the steering wheel mounted on an arm that can be unlatched and swung out of the driver's way. The batteries are mounted on a battery tray that slides into the backbone frame.*

Numerous safety features have been incorporated into the car: The steering wheel is mounted on an arm, rather than on a post. If the car is involved in a head-on crash, the steering column is not lined up with the driver, as in conventional cars, and can not be pushed into him. The batteries are mounted on a battery tray, completely isolated from the car's occupants, and provide no hazard in case of an accident. Volatile fuels are not used, so dangers to driver and passengers in case of a crash are further reduced.

McKee Engineering Corporation was founded 11 years ago to do developmental vehicle design. Race car design and construction has included the initial "Group 7" car, a small aluminum block Buick engine mounted in a Cooper chassis for Rodger Ward in 1961. This, and

the "Chevettes" which quickly followed, were the first of the rear-engined supercars now running the Can-Am. McKee Engineering has done much development, prototyping, and testing of single components for vehicles. One early development which had far-reaching impact was the high-horsepower capacity transaxle. This set the pattern for drivetrain design, and led to the widespread application of rear engine location for high-torque, production-type engines.

Electric vehicle development at McKee Engineering began with a prototype golf cart. Because conversion of an existing production automobile to electric power gives an unsatisfactory vehicle, McKee engineering has been designing new vehicles for electric power. The

commuter car is the most recent of these, and has reduced weight and drag, and a simpler chassis and drive system when compared to conventional vehicles.

Bring your wife and teenage children to see and hear about the electric commuter car at the March 29 meeting. They may be driving one before too long. Dinner and meeting at the Maitre d' Restaurant, Higgins (Illinois Route 72) and Arlington Heights Roads, Elk Grove Village. A Delmonico steak dinner with all the trimmings, for \$5.00 per person. Social hour (cash bar), 5:30 p.m.; dinner, 6:30 p.m.; meeting, 7:30 p.m. For reservations, call the Electronic Secretary, 764-5000, or Dan Veith, 739-7711, ext. 2091.

Weather permitting, the evening will end with a demonstration of the electric car.

MARCH 15, 1972

## Minicomputers as Process Controllers

Dr. Lloyd J. Kusak, Hewlett-Packard, will describe "Minicomputers as Process Controllers" at the March 15 meeting of the Northwest Subsection at the Maitre d' Restaurant, Elk Grove Village.

Dr. Kusak will stress practical applications of minicomputers, describing several typical operating systems. He will also cover current trends in minicomputers, software-hardware trade-offs, the importance of the right peripherals, and interfacing with the minicomputers.

Lloyd J. Kusak received his PhD from Cornell University. He has spent many years in the computer industry and participated in numerous seminars for IEEE, NEC, and other professional groups. At present, he is Data Center Manager, Midwest Sales Region, for Hewlett-Packard.

Dinner and meeting will be held at the Maitre d' Restaurant, Higgins (Illinois Route 72) and Arlington Heights Roads, Elk Grove Village. Social hour, 6:00 p.m.; dinner, 7:00 p.m.; meeting, 8:00 p.m. For reservations, call Jim Beall, 982-3055, by Monday, March 13.

APRIL 11, 1972

## Compact Range-Near Field Testing

Gerald Hickman, Scientific Atlanta Company, will discuss "Compact Range-Near Field Testing" for the joint meetings of the Antenna and Propagation and Microwave Theory and Techniques Groups.

Dinner and meeting will be held April 11, 1972, at Menard's Black Steer Restaurant, 6446 W. North Ave., Chicago, Ill. Social hour, 5:30 p.m.; dinner, 6:30 p.m.; meeting, 7:30 p.m. For reservations, call Lillian Whitney, Andrew Corporation, 349-3300, by April 10, 1972.

### THE COVER

... Is an electric car such as this in your future? See a demonstration of this commuter car and hear Robert McKee describe electric vehicles at the March 29 section meeting. This is family night—bring your wife and teen agers.

## Showtime a Sellout

Chicago IEEE members descended en masse on the Ivanhoe Restaurant and Theatre on Sunday, January 30, for the annual Showtime. After a social hour and dinner, "Status Quo Vadis" played to a sell-out crowd. There wasn't a spare seat in the house as IEEE members enjoyed the bright, sparkling comedy and imaginative setting.

Next IEEE social affair is the Recognition Dinner in April. Start planning for it now.

## Power Summer Meeting

The IEEE Power Engineering Society Summer Meeting will be held in San Francisco, California, July 9-14, 1972.

Field trips are scheduled for the Pacific Gas and Electric Company's Geysers Power Plant, PG and E's Vaca-Dixon Substation, the Bay Area Rapid Transit System, Sacramento Municipal Utilities District's Rancho-Seco Nuclear Power Plant, PG & E's Energy Control Center, and PG and E's Diablo Canyon Nuclear Power Plant.



*The 1972 IEEE Recognition Dinner Committee has been hard at work planning a bang-up party for IEEE members. Seated (left to right): H. P. Korman, Q.R.C. Electronics, chairman; W. J. Kusner, Illinois Bell Telephone Co., section chairman; J. Q. Puca, Zenith Radio Corp.; Standing (left to right): G. J. Argall, Leo Burnett Company, program; D. R. Smithana, Twist Company, vice chairman; C. E. Erickson, Victor Comptometer Corp., publicity; J. D. Remson, Victor Comptometer Corp.; and George Spisak, Commonwealth Edison Co.*

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# RECOGNITION DINNER

SATURDAY, APRIL 8, 1972

Join your associates for a great evening at the Palmer House, Red Laquer Room. Past Dinners have been a roaring success, so don't miss this one.

Recognition, this year, goes to Seifollah L. Hakami "for contributions in applications of graph theory to circuit analysis, analysis and design of communications networks, and coding theory."

Tickets are only \$11.00 per person—and for that you get:

★ **HORS D'OEUVRES**

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**SATURDAY, APRIL 8, 1972 — COCKTAILS, 6:00 P.M.**

**PALMER HOUSE — RED LAQUER ROOM**

**(Non-IEEE members are also invited)**