Electric car battery improved

Detroit Edison has reduced the failure rate of batteries used in its electric car fleet by 73 percent in the first 18 months of the company's electric-car demonstration program, the utility sald.

Electric cars with lead-acid battery systems can have significantly increased battery reliability by following a strict battery-monitoring program, according to John Olsen, senior engineer at Detroit Edison. Olsen discussed the success of the company's monitoring company's monitioring program at the SAE Con-ference held this week in

ference new similar bettery packs used in Editory packs in Ed the individual batteries failed after the cars had been driven 5,000 miles," said Olsen. "In comparison, the second group of battery packs used in Edison's electric cars had less than 20 percent fallure rate at 5,000 miles."

ure rate at 5,000 miles."
According to Olsen, the
reduction is primarily
due to conducting bimonthly battery-capacity
tests as part of a routine
preventative maintennance program. The test
is conducted to discover
weak batteries, which reduce range, and to accumulate life-cycle data on
each battery pack (18 six-

volt lead-acid batteries per pack). In addition, break-in procedures were established for the cars to reduce potential damage to the batteries in the ini-tial driving period.

"This means that elec-tric-car dependability can be increased substan-tially and therefore bring the electric car closer to the automobile buying public," said Olsen.

public," said Olsen.

"The data collected by Detroit Edison is the first available data of its kind on batteries in fleet use outside of a laboratory," Olsen said, "And Detroit Edison is the only U.S. Department of Energy site operator to show how improved reliability in electric-car lead-acid battery packs can be achieved by regularly conducting battery capacity tests."

"Totator Edison is some."

"Detroit Edison is com-piling information on bat-tery reliability not only as it relates to miles driven, but also as it relates to kilowatthours consumed, trip length and water consumed (by the batteries)," Olsen added.

"Findings from these analyses will help deter-mine to what extent these factors affect the depen-dability and reliability of batteries in the electric passenger car." Edison has been col-

lecting information from its fleet of 24 electric cars since the beginning of its demonstration pro-gram in June, 1981. Eighteen of the compa-ny's 24 electric cars are driven by employees and their families to show

how electric cars can easily fill a family's transportation needs as a second family car. To date, employed drivers and their families have driven 175,000 miles, consuming an average of 0.78 kt.

Discount program offered senior citizens

Oakland County's Senior Discount camera locations and senior centers. It Program is seeking locations for camera sites to photograph seniors for identification cards. The cards enable senior citizens of Oakland County to take advantage of Oakland County to take advantage of discounts offered by local merchants from 4 to 50 percent.

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from 4 to 50 percent.

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Summer speech clinic at Annapolis Hospital

For children with speech and lanu-gage problems, summer vacation can mean an interruption in their speech

mean an interruption in their speech treatment.

Annapolis Hospital in Wayne will provide an annual summer speech clinic to help children improve and maintain the progress they have made during the school year.

This year's eight-week clinic will be June 20-Aug. 12.

The program is open to preschool and school-age children. Sessions will be held at the hospital two to three times a week, depending upon the individual child's needs.

Referrals may be made by school speech pathologists, physicians and parents by calling 722-4400, extension 2450 or 273, by June 1.

After a child is referred to the program, an evaluation questionnaire

Atter a child is referred to the pro-gram, an evaluation questionnaire will be given to the child's school therapist. Based on the questionnaire, an assessment of the child's needs will be done and treatment scheduled. There is a reduced fee involved,

due in one payment at the start of treatment.

"THE POINT of the summer speech clinic is that children benefit from consistent treatment," Dr. Betty Jones, speech and language supervisor at Annapolis, said.
"When schools break for summer, many children must interrupt their treatment. That gap sometimes makes it difficult for a child to main-tain the progress achieved during the school year.
"During previous clinics, we've

school year.

"During previous clinics, we've treated children for stuttering, misar-ticulation, voice and language problems. These problems respond to treatment, but it requires intensive work from both the child and the therapist."

The clinic utilizes staff speech pathologists at Annapolls who provide intensive individual or small group treatment. Upon the parent's request, a report on the child's progress can be sent to the school speech pathologist.



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