# How company strives for controlling mileage

el economy are mutually exclusive.
But equipment manufactured by a
armington Hills company, GSE, Inc.
as involved in both a high speed
vent, the Detroit Grand Prix, and a event, the Detroit Grand Prix, and a high mileage event, the Society of Au-tomotive Engineers (SAE) Super Mile-age Competition, on the same weekend. GSE provided four of its scale bases to the Grand Prix, slong with four digi-tal weigh meters, to be used by any of the crews in adjusting their cars for the Detroit course. The cars were rolled up special ramps provided by GSE so that each wheel would sit on its own preci-sion scale base. The weight sitting on each wheel would sit on its own precision scale base. The weight sitting on each tire was then read to two decimal places, and adjustments made by "jacking weight" until each crew chief

felt he had the proper distribution.

The GSE equipment, set up in Hall D of Cobo Hall, was used by nearly every crew before the week-long-event was over:

crew perore the week-long-ovent was over:
Charles Moore, sales manager of GSE's scale division, said the only reason it could be pulled off at all was because of a special patented protective device in the GSE scale which allows it to absorb the shock of sudden application of heavy weight without disturbing the accuracy of the system.
Other types of scales need to be mechanically blocked before driving up on them, and when unblocked, they could end up out of adjustment.
About a hundred miles away that same weekend, GSE was helping to establish world fuel economy records.

Teams of coilege students were competing: all provided with the same model 2-horsepower Briggs & Stration and the students of the students of

the same school, which produced a run of 1,199.6 mpg.

Both teams were working under the direction of 'Professor Barry Hertz, head of that university's mechanical engineering department. He pointed out that his students had won the several time in recent years, and their cars were usually straightforward and simple in design.

Third place went to snother Canadian team, students from Ryerson College in Toronto, with a run of 809.8 mpg.

mpg. Michigan States' team finished fourth with a run of 709,9 mpg. Their car was equipped with computers which told the driver when and for how

low coefficient's of friction that they used their engines for only a few seconds per lap.

The amount of fuel used was determined by weighting the fuel, tank and all, at the end of each run and subtraction for the starting weight.

Precise measurement of the lis done the starting weight red the changes caused by the starting weight. The cars, built of aluminum tubing covered with mylar and running on bicycle wheels, took about a half hour to cover the 9.8 miles. Most divers drove in a reclining position, usually feet forward.

The rules required the cars to maintain a milenum speed of 15 miles per hour. If they Drive too slowly, penalty points are assessed. The winning cars all stayed within the rules and avoided penalties.

"It would have been difficult," according to Moore, "to find a place to

# Contracts put budget in the air

Walled Lake's school administration last week presented a 1953-84 budget proposal which includes a \$1.1 million decrease from last year in budgeted expenditures for instruction. The budget also proposes teacher

expenditures for Instruction. The budget also proposes teacher salary cuts, although Russel Wright, assistant superintendent for business, said the decrease in costs will be "recovered through negotiations." The administration is bargaining with all 10 of the district's employed groups, including the 450-member Walled Lake Education Association. Superintendent Dr. Don Sheldon told the board and residents at a budget workshop on June 14 that the proposal was as the school board requested: A

continuation of the district's programs and services at the same staff levels as in the 1982-38 school year.

The only reduction from last year's budget, represented in the 25.6 million general-fund proposal, was a substantial cut in appropriated funds for teacher salaries.

AT A REGULAR meeting the day before the workshop, board members unanimously approved the retraction of layoff notices for 19 Walled Lake teachers. The budget, as presented last week, includes only 8.5 fewer elementary teachers — these due to declining enrollment rather than budgetary restrictions.

strictions.

The budget proposal also included one less maintenance person, one less warehouse person and one less library aide.

Sheldon's original budget proposal, forwarded to the board in April, called for extensive program cuts throughout the district. Included in the reductions

cation facility. In addition, the budget contained no provision for curriculum

growth.

The school board flatly rejected this porposal and requested Sheldon and Wright form a budget proposal without program, services or staff cuts.

#### OCC students graduate

Commencement exercises bonoring Oakland Community College's 17th graduating class took place at the Pon-tiac Silverdome on Friday, June 10. More than 1,40g graduates earned asso-ciate degrees in applied science, busi-ness administration, general studies, liberal arts and science.

The commencement address was de-livered by Theodore H. Mecke Jr., pres-ident of the Economic Club of Detroit and former vice president of public af-fairs at the Ford Motor Co.

A 31-year veteran of Ford Motor, Mecke has been active in civic, educational and charitable organizations in the Detroit area. A trustee of the United Foundation, the Rackham Foundation, Oakland Housing and Webber Foundations, Mecke is also an advisory member of the Detroit Arts Commission and in honorary trustee of both

member of the Detroit Arts Commission and an honorary trustee of both the Grosse Pointe Academy and Zoological Society of Detroit.

The student address for the class of 1983 was delivered by James Fabris, a student from the Auburn Hills campus.



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## Scholarship is awarded

**McCabe** 

Stacey A. Kugler of Farmington Hills is recipient of a Presidential in Farmington Hills and graduated Scholarship from Northwood Institute. From North Farmington High School in Stacey is the daughter of Mr. and June.



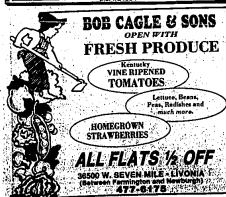


















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