## lgs rebuild efficient' car

#### By GEORGE ROWE attalion Reporter

lost Texas A&M University stuts spend their Christmas vacaith relatives and wouldn't of spending any of it in Col-

ne exceptions are a few hanical engineering students plan to spend part of their vacaorking on an energy-efficient They are rebuilding a Honda in a San Antonio wrecking yard. a car only sold in Japan, to a contest sponsored by Stu-Competition on Relevant Ening (SCORE).

like Love, a senior mechanical its working on the car that the as A&M team will enter in the st next August. Love said that RE was organized in May of He said in previous years RE held competitions in eleccar races, a clean-air car race n urban car race, intended to op a car for city use.

he present competition is for rgy efficiency. Love said it ted in September 1977, and as A&M registered for it in rh 1978.

Motors proving grounds near Michigan. Love said that he and other students who worked on the car will drive it to the competition next summer.

The Texas A&M team car is similar to the Honda Civic, Love said. Mark Dewveall, a sophomore mechanical engineering student who is also involved in the project, said the car was found last summer

Dewveall said the biggest problem was finding parts for it because it was a Japanese domestic car that was not exported. He said he doesn't know how it got to the United States. Unlike the Honda meering student, is one of six Civic, the 360 has two cylinders in its engine rather than four.

> "I think we will get it operational over the holidays," Dewveall said. He said they have to put the engine in the car and get the electrical system working.

Love said the Texas A&M team decided to modify an already-built car because, "it wasn't economically feasible to build one from the ground up, so we decided we would try to make a choice of the best car we could and modify it to achieve

efficiency Love said the SCORE competi-n will be held on the General to run on methanol instead of gasoline, but not more energy.



Mike Love works on rebuilding old Honda contest which Texas A&M University students 350, a car sold only on the Japanese domestic are planning to enter. market, for use in an energy-efficient auto

gasoline. He said that a car modified to methanol will consume a large volume of fuel when compared to

Love explained that methanol produces less energy per volume than gasoline and that "the contest" is not a mile are energy-efficiency contest." Love said that the one advantage of using methanol is that higher

is not a mile-per-gallon contest, but compression can be used

# Husbands offer aid in childbirth

tion's Note: The author of this tide coached his wife through the aze method birth of their first d early in this semester. The girl weighed seven pounds, en ounces.

## By MIKE CARL

Special to the Battalion though the nursery is ed and the six labor rooms are pied, the father's waiting room as full as it would have been a ars ago.

ith the rise in popularity of ral childbirth methods, more more fathers have quit pacing ital corridors and are now takactive role in the birth of rchildren. Lamaze, Bradley and r prepared childbirth methods now allowing expectant parents are the birth experience.

ne Lamaze method is better n in this area and is gaining in larity, says Sharon Christer, who has taught prenatal es since 1974. "The Bradley thod is more popular in Colorado California," she said.

The big difference between the methods is that Lamaze emsizes active participation," isopher explained, "and the ley method is more passive, sing relaxation and controlled

e says the goal of Lamaze is to ide a positive birth experience both parents. This is achieved by ng couples techniques with

tive stimuli to the nervous system to lows each contraction. The following cancel out the negative, a person's breath serves as a signal to relax threshold of pain can effectively be raised. after the contraction is over. Perhaps the hardest exercise to A series of six, two-hour lessons master is called the universal toner.

prepares couples for using Lamaze. From the first class, which is usually in the couple's seventh month of and throughout the course

The exercises are designed to stretch, strengthen and tone the muscles which will be heavily used in labor and delivery. If the mother is in good physical condition, the labor will be easier for her.

> The father, or "coach," does not sit idly by while his partner does all the work. In order to help his wife practice at home, he also must learn how to do the exercises properly. Most coaches soon learn that the

exercises are not easy and their at-titude toward their own role in Lamaze begins to change.

Before labor, the coach guides his mate through a series of exercises every day. He must count the repetitions, offer advice and, probably most important, he must offer the understanding, concern and support his spouse needs to continue them. A coach soon learns the power of a few words of praise and encouragement

Seven basic exercises are used to

will be experienced. By adding posi- this deep breath precedes and fol-

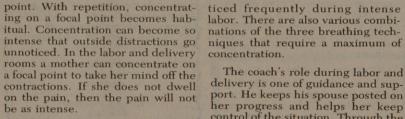
While lying on the back with knees bent, the knees, thighs, perineal and buttocks are tightened and the pregnancy, expectant parents begin back is pressed to the floor while the to learn how to become a labor and delivery team. Physical exercises muscle group is tightened individuand concentration-relaxation tech- ally in order and then held while niques are stressed in the first class succeeding groups are tightened.

> After three breaths, the muscle groups are relaxed one at a time in reverse order. This exercise is an important aid in learning how to control closely related muscle groups individually--a skill which can make delivery much easier.

Concentration is really the key to the Lamaze method. Focal points and breathing techniques require varying degrees of concentration which provide a positive activity to take the mother's mind off the pain of labor and delivery.

A focal point is nothing more than a point of reference upon which the woman fixes her eyes. A picture on

the wall or some fixture in the room in easy view is used. No exercise or labor simulation is ever performed without first finding a good focal



There are three basic breathing techniques used when labor pains expect in the labor and deliver are severe enough to interrupt rooms and what they should do peech. These techniques are known as Gears I, II and III.

Gear I, or slow chest breathing, is usually the first breathing technique used during labor because the concentration required is the least of the three techniques. This brea-thing method uses six to nine slow, controlled breaths per minute.

Gear II is a form of shallow chest breathing. The speed of Gear II breathing is based on the intensity of the contraction. As a contraction increases in strength, the rate accelerates to a maximum of one breath per second. As the intensity of the contraction subsides, the breathing

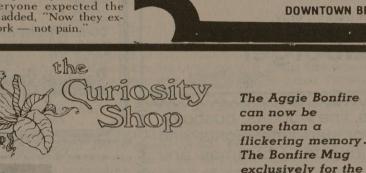
returns to a more normal rate. Gear III is known as the pantblow technique. It is a combination of four panting breaths and one breath exhaled sharply. It is pracThe coach's role during labor and

delivery is one of guidance and support. He keeps his spouse posted on her progress and helps her keep control of the situation. Through the classes, both have learned what to expect in the labor and delivery

The coach is mainly concerned with the comfort of his mate. He reminds her to change positions of-ten, helps ease back labor, helps work out cramps and helps her with

her breathing techniques. And most important, the father is there to give his support and con-cern when his wife needs it most.

Is Lamaze changing young couples' attitudes toward childbirth? Sharon Christopher says, "It used to be that everyone expected the worst." She added, "Now they expect hard work - not pain.



## THE BATTALION Page 3 **Colorado to host**

U.S. sports meet

United Press International COLORADO SPRINGS, Colo. — The United States Olympic Committee has awarded the 1979 National Sports Festival to the same southern Colorado city which hosted it this year, USOC president Robert Kane said Monday.

'We are extremely pleased to be returning to Colorado Springs. Last year's participants were very enthusiastic about the experience they had here and many expressed the hope the festival would come back to this area," he said.

Colorado Springs hosted the inaugural event last year with 2,100 athletes from 26 sports participating. Kane said seven other cities were interested in hosting the festival, but lacked adequate facilities.

He said the decision to return to Colorado Springs was made by the USOC Executive Board during a weekend meeting which also ex-panded the competition from four days to six days, July 27-Aug. 1. "It will permit better use of some of the facilities, reduce the

intensity of scheduling in sports such as basketball, hockey and soccer, and give spectators an opportunity to see more of the sports on the program," he said.

He said the Colorado Springs city council has agreed to support the festival to a maximum of 285,000 in food, housing, ground transportation, security and other services



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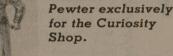
antly reduced during labor and

The Lamaze method is based on gate-control theory of pain," opher said. This theory states

get the woman's body conditioned for childbirth. Each excercise begins and ends with a deep breath, almost ritualistically. After weeks of practice and repetition, this "deep cleansing breath" become an auwhen a certain level of negative tomatic signal to the body to begin uli is reached in the body, pain working. When hard labor begins,



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