## MONDAY, AUGUST 29, 1977 **Oceanographers** studying waves below surface in Gulf

Dozens of meters below the sur-face of the Gulf of Mexico another set of waves roll in and break against the continental shelf of Texas. These true continental shelf of Texas. These the continental shelf of Texas. These true continental shelf of Texas. The tr waves were recently observed by Texas A&M University scientists from the research submarine Drs. Thomas Bright and Richard Rezak of Texas A&M's Department of Oceanography lead a team that is "Diaphus.

Knowledge is your best protection.	
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starting the third year of this research a reconnaissance of offshore topographical features.

"We want to know what is living out there, the nature of the bottom try." and the processes active on the botton," Dr. Rezak explained. "In this year's program we will map eight more fishing banks of the Texas-Louisiana Continental Shelf." The team win also do an intensive study of a cloudy layer, near the bot-ing companies to shunt wastes to a study of a cloudy layer, near the bot-ing companies to shunt wastes to a point 10 meters from the bottom," "Last year, Dr. David McGrail be within the cloudy mixed layer,

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coral reefs while others are dead coral mounds," he went on. "Both kinds of banks support large fish populations that are important commercial and sports fisheries. Any damage to the banks would re-

The team will also do an intensive ment agencies have required drilldevised dye marker experiments Beginning Sept. 7 operations using the university's submersible that were conducted from the sub-mersible in which it was found there

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sponsible for the 'cloudy layer'," noted Rezak. "Internal waves are propogated through the water and break on the continental shelf similar to surface waves breaking on the shore. This will have implications on the disposal of drilling effluents." "Currently, in sensitive areas close to these living reefs, govern-

he pointed out. "If this happens to be within the cloudy mixed layer, the drilling material will be trapped in the layer and will not be diffused

throughout the water column. Determining how long the pollutants will remain in the cloudy layer is the subject of current and future research. The project has now been funded

for a total of about \$2 million. The project will furnish information to the Bureau of Land Management and the U. S. Geological Survey on bottom conditions and life so the agencies can make policy decisions

agencies can make policy decisions on drilling restriction such as the closeness of drilling to banks and the disposal of drilling materials. From the standpoint of industrial contamination, the northwestern Gulf of Mexico is unique in that it receives runoff from rivers draining over one-third of the Continental U.S. It has been the site of the U. S. It has been the site of the most intense development of offshore oil and gas resources along our coasts and it contains the two most used ocean dumping sites for chemical industrial wastes in U.S. waters.

Seemingly, if untoward environmental impacts are to result from the general polluting processes, there is a high probability that it will be manifest first in the northwestern Gulf. Conversely, if management procedures are used to protect ocean resources that are successful, then they should be equally successful

Miller says board wants stronger Corps

seniors and juniors.

You and I have some major responsibilities," said the Texas A&M president. The best education possible comes first, followed by using efficiently all possible resources to achieve other goals, Miller said. He suggested character building be structured to

develop the total person.

formed the cadet leaders.

Cadet officers were sworn in for 1977-78 by Army Col. James R. Woodall, new commandant who arrived

Responsibilities of Corps of Cadets leadership for Texas A&M's 1977-78 school year were detailed last week at the start of Commanders' Conference. President Jarvis Miller, Vice President John Koldus, Gen. Ormond Simpson, assistant vice president for student services, and military officials addressed Corps

many decisions. He recommended that all poss puts be considered in making them. "Second guessing is easy," Koldus said. "D

making is tough.

You are on the threshold of what can be one greatest years for the Corps in many year, Simpson said. "All the ingredients are present "The Board of Regents intends that we maintain and strengthen the Corps of Cadets," President Miller insaid

Corps organization for the Monday, Aug. 29, fall classes will be conducted Saturday and Sur

# Higher prices, fewer jobs byproduct of consumerism

fewer jobs are two unwelcome by-products of the consumer movement, according to a business alarmed at the skyrocketing premiums for product liability insurance.

Football helmets cost \$10 more than they would without the increased insurance costs, according to William F. Schierholz Jr., chairman of the Committee for Responsible Consumerism.

"Fewer people are making the helmets, with some manufacturers closing up shop because of the costly protection." he said.

Schierholz, president of Chemtech Inc., a chemical distributing firm, said the problem isn't with consumer advocates, but with judges who approve liberal settle-ments and encourage the filing of damage suits.

United Press International ST. LOUIS — Higher prices and ewer jobs are two unwelcome by-roducts of the consumer move-nent, according to a business

"If you go to Las Vegas, you can choose whether you want to gam-ble, but not here. Consumers will have to pay." have to pay

Schierholz became involved in the problem when Chemtech's premiums for product liability in-surance increased more than 1,000 per cent in just three years — rising to \$742,000 this year with a \$100,000 deductible clause included for the first time.

"The board of directors was speechless," he said. "They were stunned.

Other businessmen hit by similar increases got together and formed the committee. Schierholz said his group is not seeking legislation that would open the way to shoddy mer-

cause there was no sign mower saying it shouldn't that way. Emerson Electric Co. ha ball players try to bend in valve on a water heaterout da and it wouldn't budge, See Far

to pay for it. But we don'th should be called to defend a or intentional misuse of our

Horror stories about dar

settlements are plentiful, Sch

said. Someone using his mower as a hedge trimmer

six-figure judgment, he s

ucts by the consumers.

said. But if someone stomps will bend, so \$2.80 had to be to the \$10 price to cover th ance — a price hike of 28 pe Businessmen are seeking year statute of limitations

manufacturers to close the bo products out of their cont reasonable time. So-called "the art" legislation, prevent products from being judge modern standards, also is so Without such safeg Schierholz said, costs will con

to increase. "We had a \$300,000 suits for \$600. You know that hat nuisance suit if they were w settle for that, but meanwhile

us a lot in legal fees." What would help most, is how would be some well publication in which the plaintiffs lost as in forced to pay legal fees for a side.

sides. But even without such Schierholz wouldn't be surpret the problem of product liable surance became a common to "Medical malpractice," he

✓ Married men scored slightly higher than did unmarried men on the work effort index, but they also "is peanuts compared to this took more total break time.

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Women working harder, but men getting more pay

**United Press International** NEW YORK — Caution: Reading the following may be harmful to the male ego.

Women work longer and harder on the job than men do, according to a time use study by University of Michigan social scientists.

But the men in the study earned more than comparably qualified women. And investigators at the University's Institute for occasion search say the wage gap was even greater when one considered the harder than men, the invesitgators applied a work effort scale to the harder performance by their University's Institute for Social Re-

Greg Duncan, study director, said the time and use study showed: ✔ The average employed man spends 52 minutes, — or 11 per cent of each working day, — not working. He kills time through

scheduled coffee breaks, un-scheduled break times relaxing and conversing, and lunches beyond the normal hour.

spends just 35 minutes, or 8 percent

University of Michigan Professor of Economics, said on the average the working man earns \$7 an hour and the working woman, \$4.34.

analysis of performance by their subjects — 208 men and 168 wo-

✓ The effort women give the job is 112 per cent of that given by men. ✓ When education, years of

✓ The average working woman

of the day, in such times out. Duncan and Frank Stafford, a

They found:

✓ Craftsmen, operatives, males, young people and individuals with high monthly incomes spend the most time in either formal or informal work breaks.

✓ Professionals, union members and part-time employes working less than 30 hours a week, and unmarried women expend the greatest

work experience and total yearly

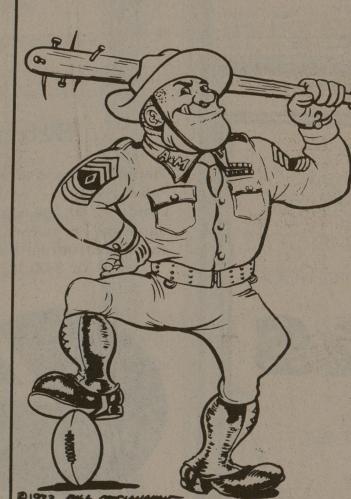
work hours are taken into account,

this goes up to 115 per cent.

effort per hour at work. ✓ Unmarried women received the least amount of break time and scored highest on the work effort scale



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