

Time for a change?—Evidently it's not enough Atlas must hold up the world, now he may have to hold up his diapers. The statue of Atlas holding the world is in front of an Ogden health center, a victim of a prankster, whose motive is uncertain. (AP Wire-

# Gulf Oil Corp. presents eight fall scholarships

scholarships this fall from the Gulf Oil Corporation.

A freshman, sophomore, junior and senior in the Petroleum Engineering and Chemical Engineering Departments will be selected by the Faculty Scholarship Committee to receive the Gulf Honors Scholarships, announced Engineering Dean Fred J. Benson.

With four Gulf scholarships in force, four additional awards were

Eight students will receive Butcher, secretary to Gulf's Aid said. to Education Committee.

> When the program was set up last year, Gulf had planned to introduce two honors scholarships a year to freshmen so that by 1972 and in subsequent years, eight students would benefit.

"Since it now appears there is a very serious need for scholarship support on campuses, Gulf decided to speed up the procedure by making all eight scholarships announced here Friday by E. L. available immediately," Butcher

## Research project to receive funding

Engineering Experiment Station designed. involving design and construction ed at suppression of noise in radio frequency communication and information retrieval systems used in the space effort has received second-year funding from NASA in the amount of \$29,000, reveals Dr. C. R. Haden, associate professor of electrical engineering and principal investigator.

The system, including a low temperature refrigerator, has been developed and assembled at the Manned Spacecraft, Haden said. The group will now participate in further tests and experimentation with the equipment. A

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A research project of the Texas theoretical model is also being

"Basically, the device would improve the noise characteristics of spacecraft," he explained. "It involves a conversion of an electromagnetic information signal to a light signal which is processed in a semi-conductor filled cavity."

The engineering design contract is a continuing phase of the university's development of a physical electronic laboratory in the Electrical Engineering Department.

Haden's research in cryongenics—low temperature work—permits the temperature to be lowered to 450-degrees below zero on the Fahrenheit scale.

Haden is assisted by Dr. C. W. Alworth, assistant professor of electrical engineering. Doctoral candidate John Barrett will also participate in the research this

Prior to joining the staff in September, 1968, Haden served three years with the University of Oklahoma where he conducted low temperature research in cooperation with the Atomic Energy Commission and the National Science Foundation.

Alworth has been with the university since 1968. His Ph.D. was awarded by the University of Oklahoma in 1969.

Grants will be to seniors for one year. Others may be renewed until the student completes the normal four years of undergraduate study or receives the bachelor degree. Awards cover tuition, books and fees to a maximum of \$1,500 a year.

The Texas A&M students will be among 98 receiving Gulf grants in 26 departments of 23 colleges and universities in the U.S. Gulf has invested more than \$3 million in higher education this year. Other facets of the program include capital grants, departmental assistance grants, unrestricted awards to colleges and universities and graduate student fellow-

Gulf aid to Texas A&M over the last decade has amounted to about \$127,000.

Gulf Oil Foundation established a \$125,000 mechanical engineering professorship last May in honor the communication link with the of Gulf's late senior vice president, Thomas A. Dietz, a 1931

> Virgil S. Hanson, Gulf's national director of employment and college relations of Houston, accompanied Butcher to the campus for the presentation.

## **Army cadets** complete camp in Oklahoma

Army ROTC cadets fastened duffel bags Tuesday upon completion of summer camp at Fort Sill. Okla.

The university has 314 cadets among more than 2,400 from the five-state Fourth U.S. Army area in the 1970 advanced summer camp at Camp Eagle on the Oklahoma military reservation.

They gained experience in leadership and military opera-He received his Ph.D. from the tions before being commissioned University of Texas at Austin in as Army officers. During the sixweek training period, cadets were taught individual and unit tactics, small-unit leadership and various other skills required of Army officers.

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