## Local

## ion lifesavers on roads

Four Texas A&M University professors have designed a low-cost crash cushion for highway construction sites that could save the lives of

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The cushion was designed by civil ngineering professors Drs. Hayes Ross, Eugene L. Marquis, Teddy Hirsch and Don L. Ivey, assistant rector of TTI, which is a part of the Texas A&M University System.

The cushion design project was sponsored by the Texas State Deartment of Highways and Transporation in cooperation with the Feder-Highway Administration.

The cushion is made of sand-filled steel barrels that are connected by guardrails. It was designed for tachment to the end of a concrete wall which is used to block off highway construction sites from the rest

Dr. Haves E. Ross, civil engineer, said the deceleration forces measured after the cars' impact on the cushion were well below values at which human injuries occur.

of the highway. The open end of the oncrete wall is a hazardous area, and an oncoming car's impact on the end of this wall would be lessened by

When the cushion was tested, two arge cars (about 4,500 pounds) and two small cars (about 2,200 pounds) velling at 50 mph were crashed nto a 15-barrel-cushion.

gives Ross said the deceleration forces asured after the cars' impact on cushion were well below values twhich human injuries occur. Ross aid that although no large trucks or trailers were tested with the ushion, other researchers have and that designing a cushion for such vehicles was impractical, beause trucks are too heavy and rapid eceleration of trailers causes them

o jackknife Ross said he and the other designers have not decided yet whether or not to apply for a patent on the design since the research was state finded and the four professors could not expect any profits from the pa-tent. Ross said he would like to see the cushion marketed through a priate contractor who would build, sell

A company already sells a similar cushion which is much more costly than the TTI cushion. Such cushions are required as a safety precaution or highway construction. Private actors, hired by the state to ork on highways, now must pay for e higher-priced cushion.

Ross said the cushion he helped ign is less costly because it is ade of more easily accessible materials than the other cushion.

Ross said the cushion has a poten-

tal for widespread use in Texas and in the rest of the United States.

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#### What's Up

#### TUESDAY

MSC OPAS: Pianist Bella Davidovich will perform at 8 p.m. in Rudder

MANAGEMENT SOCIETY: Will meet at 7 p.m. in 504 Rudder. OFF-CAMPUS AGGIES: Will meet at 6:30 p.m. in 167 G. Rollie

CHRISTMAS TREE PRESALE: Lambda Sigma will taking orders for Christmas trees from 10 a.m. to 2 p.m. in the MSC Main Hall. BONFIRE BLOWOUT: The Bonfire Committee will sponsor a dance at 8 p.m. at the Lakeview Club.

MSC GREAT ISSUES: Steve Baer will speak on "Solar Energy Alternatives for the Eighties" at 12:30 p.m. in Rudder Forum.

CATHOLIC STUDENT ASSOCIATION: Will meet for Bible study at 9 p.m. in Corps Area Lounge E and for a prayer service at 10 p.m. at St. Mary's Church.

ASSOCIATION OF BIOENCINEERS: Will meet at 7:30 p.m. in 302

STUDENT DIETETIC ASSOCIATION: Will meet at 6:30 p.m. in

TEXAS A&M TRAP & SKEET CLUB: Will meet at 7 p.m. in 109 Military Sciences

PHI THETA KAPPA ALUMNI ASSOCIATION: Will meet at 7 p.m.

UNITED CAMPUS MINISTRIES: Will have a free concert at 8 p.m. SOUTH LOUISIANA HOMETOWN CLUB: Will meet at 7 p.m. in

EL PASO HOMETOWN CLUB: Will meet at 8 p.m. in 119B Zachry. Aggieland pictures will be taken at 7:45 p.m. in the Zachry lobby. PRE-MED/PRE-DENT SOCIETY: Will meet at 7:30 p.m. in 200

MARINE RESEARCH MANAGMENT LECTURE: John E. Flipse, Texas A&M Coastal and Ocean Engineering Program, will speak on "Marine Research in the Private Sector — Deepsea Mining," at 4 p.m. in 204C Sterling C. Evans Library.

AMERICAN HUMANICS STUDENT ASSOCIATION: Will have a seminar on "Starting Your Future" at 6 p.m. in 302 Rudder. MSC AGGIE CINEMA: Will meet at 7:30 p.m. in 301 Rudder.

#### WEDNESDAY

STUDENT DIETETIC ASSOCIATION: Aggieland pictures will be taken at 7:15 p.m. in the MSC Main Lounge.

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THIS WEEK'S PROGRAMMING:

Bonfire 1979 Loggins and Messina The Responsible Consumer

## MSC BASEMENT COMMITTEE: Tickets for The Skunks perform-

ance will be on sale through Friday in the MSC Box Office CHRISTMAS TREE PRESALE: Lambda Sigma will be taking orders for Christmas trees from 10 a.m. to 2 p.m. in the MSC Main Hall.

CATHOLIC STUDENT ASSOCIATION: The Newman Club will meet at 7:30 p.m. at St. Mary's Student Center.

CO-OP STUDENT ASSOCIATION: Will have an organizational meeting at 8 p.m. in 301 Rudder. TEXAS STUDENT EDUCATION ASSOCIATION: Aggieland pic-

tures will be made at 7 p.m. in the MSC Main Lounge. HILLEL CLUB: Will meet at 8 p.m. at the Jewish Student Center.
Aggieland pictures will be taken at 9:30 p.m. in the MSC Main

UNITED CAMPUS MINISTRIES: Will meet for dinner at 6:15 p.m. at the A&M Presbyterian Church

MSC ARTS COMMITTEE: Entries for the Juried Student Art and Crafts Competition will be accepted from 10 a.m. to 10 p.m. in the MSC Craft Shop through today.

"CRIES AND WHISPERS": The film explores the relationships between four women — three sisters, one of whom is dying of cancer, and their devoutly loyal housekeeper. Their facades are stripped away revealing their personal agonies and common fears. The feature will be shown at 7:30 p.m. in Rudder Theater.

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#### RHA to discuss parking

Paul Bettencourt, member of the Texas A&M University Traffic Panel, will discuss the parking situation on campus at the Residence Hall Association meeting tonight at 7:00 in 204

Also to be discussed is the decision

duate students to live off-campus to

provide more room for freshmen. The decision brought on debate among RHA delegates when announced at the last meeting.

New Fall Arrivals at the Locker Room!

Warm-Ups by:

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