

**campus activities**

**Monday**  
Spanish Firemen's Training School, University Center, 8 a.m.  
Municipal Inspectors Training School, Rudder Tower 7th Floor, 9 a.m.  
All-Student Dance, 224-225 MSC, 6:30 p.m.  
Grove Movie, "The Birds," 8:30 p.m.

**Tuesday**  
Spanish Firemen's Training School, University Center, 8 a.m.  
Municipal Inspectors Training School, Rudder Tower 7th Floor, 9 a.m.  
Fling Club, 141 MSC, noon  
Aggie Bass Club, Rudder Tower 501, 3:30 p.m.  
Grove Movie, "High Plains Drifter," 8:30 p.m.

**Wednesday**  
Spanish Firemen's Training School, University Center, 8 a.m.  
Municipal Inspectors Training School, Rudder Tower 7th Floor, 9 a.m.  
Recreational Bridge, 137 MSC, 7 p.m.  
American Right of Way Banquet, 224 MSC, 7 p.m.  
TAMU Sports Car Club, Rudder Tower 501, 7:30 p.m.  
Aggie Bass Club, Rudder Tower 404, 8:30 p.m.  
Folkdance, Rudder Tower 601, 7:30 p.m.  
Grove Movie, "My Little Chickadee," 8:30 p.m.

**Thursday**  
Last Day of Summer Classes  
Spanish Firemen's Training School, University Center, 8 a.m.  
Municipal Inspectors Training School, Rudder Tower 7th Floor, 9 a.m.  
Aggie Allemanders, 201 MSC, 7:30 p.m.

**Friday**  
Second Summer Session Final Exams  
Firemen's Training School, University Center, 8 a.m.  
Municipal Inspectors Training School, Rudder Tower 7th Floor, 9 a.m.

**Saturday**  
Commencement and Commissioning, Bolle White Coliseum, 9 a.m.

**Sunday**  
Muslim Student Organization, Rudder Tower 310, 1 p.m.

# Midwestern governors discuss agriculture, energy, health care

United Press International

AFTON, Okla. — Governors of America's heartland, a rich source of the nation's food supply and heavy consumer, of its petroleum products, began a three-day meeting yesterday concentrating on agriculture, energy and health care.

The 15-state Midwestern Governors Conference convenes at Shangri-La Lodge, a luxury resort on the tip of a slender peninsula called Monkey Island in northeastern Oklahoma's Grand Lake O' The Cherokees.

Federal Energy Administrator John O'Leary will address the governors today and Dr. W. W. Rostow, Texas University economics professor who was national security adviser to President Lyndon Johnson, will serve on a panel on the impact of the president's proposed energy policy.

President Carter, Vice President Walter Mondale, Energy Secretary-designate James Schlesinger and Agriculture Secretary Robert Bergland all declined invitations to appear.

Howard Hjort, chief of policy and budget for the U.S. Agriculture Department who is regarded a chief author of the President's farm bill, will take part in a discussion of agriculture on Wednesday.

"The summer meeting comes at a very critical time for the chief executives of the 15 states involved," host Gov. David Boren of Oklahoma said. "The three major issues — health, energy and agriculture — are issues which have a dramatic effect on all our citizens' everyday lives."

"We hope to reach conclusions on behalf of our home states and transmit those ideas to the decision makers at the federal level."

Although pleased with House defeat of a proposed increase in the gasoline tax, Boren remained concerned about the possibility of gasoline tax plans or an "unreasonable" rationing program.

"The Midwestern states would be among the hardest hit by either," Boren's news aide, Rob Pyron said. "This is where the per capita consumption of gasoline is so much higher than in the Northeast. It would be blatantly discriminatory."

Member states are Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, South Dakota, Ohio, Oklahoma, West Virginia and Wisconsin. Pyron said all of the governors are expected with the exception of Minnesota's Rudy Perpich and West Virginia's Jay Rockefeller.

Florida Gov. Reubin O. Askew, chairman of the National Governor's Conference, and former Utah Gov. Calvin Rampton also will participate.

Although Oklahoma is an oil and gas exporting state, some other members are not and controversy is likely.

"We expect a pretty spirited session on energy Monday," Pyron said.

Missouri Gov. Joseph P. Teasdale promised to look after his state's interests.

"I know we'll discuss energy and water shortages," Teasdale said. "We all have a common problem — we're vulnerable. The states that depend on outside sources for energy have to stick together. I'll bring that up."

"We also need to preserve and conserve our water supplies so that states like Missouri which are at the bottom of the Missouri River are not left short by the upriver water users," he said.

Illinois Gov. James R. Thompson's aides said he would push for an "adequate" state share of any increased federal gasoline tax.

Various task forces will present reports during the conference, which may result in resolutions on a number of issues.

It will not be all work, however. Shangri-La, pinpointed from land or water by a huge golf ball towering above its neatly manicured 18-hole course, is not conducive to an all-work schedule.

"In three-short days we hope to give our out-of-state visitors a good slice of Oklahoma's life style by providing examples of our numerous outdoor recreational facilities," Boren said.

The governors will be housed in \$100,000 condominium duplexes overlooking the lake and will have access to recreational facilities including indoor and outdoor tennis courts, golf, bowling and billiards, boating and fishing. There also will be a display of Oklahoma art, a visit by Indian leaders from eastern Oklahoma, Indian tribal dancers and a square dance exhibition.

Lt. Gov. George Nigh will be master of ceremonies for a showcase of Oklahoma talent and art at a Wednesday evening dinner and ball.

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## Underwater slide recorded A&M scientists plot slide with missile-tracking device

The "underwater landslide," until few years ago almost undiscovered, is now a reality for oil company executives.

It also is a reality to a team of A&M University engineers and scientists. They are plying the ocean floor around the Mississippi delta with sensitive instruments to capture the vital signs of this elusive and destructive phenomenon.

The underwater slide, usually of consolidated mud that has washed out of the Mississippi River in the help of some turbulent waves, has toppled oil platforms in the Gulf.

Using some space-age technology a missile-tracking device on loan from Sandia Laboratories in New Mexico — the Texas A&M team led by Dr. William Bryant and Wayne Dunlap is plotting the movement of the bottom and seeking to learn what triggers it. Their base of operation is a Shell oil production platform a few miles out from the mouth of the Mississippi.

"We have collected quite a bit of data during the winter, but because

of its mildness there were few storms to produce necessary large waves," Dr. Dunlap explained. "We anticipate that the hurricane season at the end of the summer and early fall will manufacture some significant wave action."

A series of transducers, pressure gauges and accelerometers (much like seismographs) have been put down on the bottom of the Gulf and below the mud line to measure the pressure on the unconsolidated silt and clay and any movement that occurs. These mechanisms are all wired to recording devices in a small room on an offshore oil rig.

"The information from the ocean bottom is transmitted by microwave to the mainland of Louisiana and then by land-line to our facilities here at Texas A&M," Dunlap explained. He is a professor of civil engineering. "It is fed into a sophisticated data acquisition package from a rocket-tracking station which allows us continuous monitoring and recording of everything that is going on at the ocean's floor."

The project has the name Sea-Swab (Shallow Experiment to Assess Storm Waves Affecting Bottom) and is a joint effort by Sandia, Shell Oil Company, Louisiana State University, Lehigh University, The National Oceanic and Atmospheric Administration (NOAA), the U.S. Geological Survey (USGS) and Texas A&M, which coordinates the overall effort.

The project has received USGS funding of nearly \$250,000 over the past two years.

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