

# The Battalion

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Telephone 845-2226



**GUNS A-FLYING**—Fish Drill Team members practice the Queen Ann March Tuesday afternoon in preparation for their appearance Feb. 28 at a military ball in Dallas. Comedian Bob Hope will be the master of ceremonies, and President Nixon has been invited to speak. (Photo by David Gawthorpe)

## In Message to Congress Nixon Asks New Power To Better Environment

By Stan Benjamin  
Associated Press Writer  
WASHINGTON (AP)—In his fifth major environmental action since the start of the year, President Nixon asked Congress Tuesday to give his administration new power, jurisdiction and money to improve the quality of life in the United States.

In a special message, Nixon proposed a \$4 billion program for municipal waste treatment to improve water quality, backed by stricter clean-up standards and enforcement powers.

To fight air pollution, Nixon proposed authority for the Department of Health, Education

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and Welfare to regulate the composition of vehicle fuels, and ordered a 5-year research program to develop a pollution-free automobile.

At the same time, the Health, Education and Welfare Department issued proposed new standards to control vehicle pollution emissions, applying to 1973 and 1975 models. These are years when major model changes are due.

Nixon sought nationwide federal enforcement powers against both air and water pollution, to be armed with the threat of court-imposed fines of \$10,000 a day against violators.

The President took no direct action against solid wastes—trash—but ordered research to reclaim and re-use materials from

discarded products, or at least to find ways of disposing of waste materials more easily.

He singled out junk automobiles as one of the major solid waste problems and directed his new Environmental Quality Council to find ways of promoting their prompt scrapping, so they would not clutter up the landscape.

Nixon said the price of an automobile "should include not only the cost of producing it, but also the cost of disposing of it."

Nixon also proposed a movement to carve out new park and recreation lands."

One approach would be to step

up federal and state purchases of land for parks and recreation through full use of the Land and Water Conservation Fund.

The other half of his plan was to see whether some of the land already owned by the federal government—one-third of all the land in the nation—could be adapted or converted to park use, or sold to raise money to create new parks.

Nixon asked Congress for full funding in fiscal 1971 of the \$327 million now available in the Land and Water Conservation Fund, and said he would propose legislation to assure a reliable income for the fund.

## Rudder Improving; Remains Serious

HOUSTON—Hospital officials at St. Luke's Episcopal Hospital said that A&M President Earl Rudder was continuing to improve but remained in serious condition this morning.

Rudder, a retired Army general, suffered a stroke last week, then underwent operations to remove a blood clot from his brain and to stop a bleeding ulcer.

The St. Luke's official said that a stress ulcer can appear in just a few days' time when a person is under severe physical stress.

The official also said the bleeding was under control and that Rudder was continuing to convalesce satisfactorily.

## A&M Scientists to Study March Eclipse of Sun

Oceanographic and atmospheric responses to the March 7 total eclipse of the sun will be investigated by A&M scientists aboard the RV Alaminos on a cruise in the Gulf of Mexico.

Dr. Guy A. Franceschini of the Meteorology Department said a variety of observations and measurements will be made to determine physical and biological changes occurring at sea during the eclipse.

The meteorology professor is the scientist in charge of the six-day cruise which will visit the A&M research vessel within the area that the total eclipse will cover, at local solar noon on March 7.

According to National Science Foundation eclipse expedition data, the A&M ship-based observations will be the only ones conducted at sea, Franceschini said.

As the moon moves directly between the earth and the sun, its shadow will start near the equator in the Pacific Ocean and move at 1,500 mph over the lower part of Mexico, across the gulf, onto the continental U. S. south-east of Tallahassee, offshore at Norfolk, Va., and end in the Northern Atlantic.

It will be visible as a partial eclipse throughout virtually all the U. S., with 75 per cent of the sun's surface obscured at College Station at about 11:57 a.m.

Franceschini said the last total eclipse visible in the gulf, where A&M oceanographers conduct the majority of their research, was in September, 1923. The next one is 82 years away, in March, 2052.

He indicated that the Alaminos will be on station about 300 miles north of the Yucatan Peninsula, along the path of totality, for three days. Studies will be made

by the Alaminos' 16-man scientific complement the day before eclipse, during eclipse and the day after.

Continuously recording equipment will measure meteorological conditions, total incoming solar radiation and spectral distribution of insolation. A 98 per cent drop in solar insolation is expected during the eclipse, Franceschini said.

Dr. Jerald W. Caruthers will check activity of the deep scattering layer, a plankton layer at a depth of about 200 meters that rises and falls in harmony with night and day.

"We are curious to see if this biological system will respond to the 'short night' of the eclipse," Franceschini said.

Vertical migration of zooplankton during the 200-second long eclipse will be studied by Dr. Thomas J. Bright, who will take

samples from the surface to about 150 meters. Photosynthesis and primary productivity aspects will be investigated by Dr. Sayed Z. El-Sayed.

Physical oceanographic parameters will record temperatures in the depths and from the surface film. An infrared thermometer that senses radiation from the top tenth of a millimeter of the surface will record the latter. It will be manned by James E. Arnold.

Motion picture and still cameras aimed at a white roof behind the Alaminos' weather station will be operated by Dr. Dusan Djuric in an attempt to photograph the elusive shadow bands that accompany total eclipses, just before and immediately after totality.

Documentary photographs of the progression of the eclipse will be taken (See A&M Scientists, page 4)

## Civilians to Add Aides, Discuss Convention

Five new freshman assistants to the Civilian Student Council will be introduced at Thursday's meeting, Don Bouchard, CSC secretary, said Tuesday.

The CSC meets at 7:30 p.m. in room 3D of the Memorial Student Center.

The new assistants are Gordon Pilmer, engineering major from San Angelo; Sid Alexander, accounting major from Wellborn; Phil Spurlin, geology major from Plano; Dennis Archer, industrial engineering major from Plano; and Debbi Drashpil, pre-veterinary major from Bryan.

Bouchard added that the selection of delegates for the National Association of College and Uni-

versity Residence Halls convention March 11-14 in Lubbock would also be discussed at the meeting.

"Discussion will center around how many delegates we will send to the convention and how they are to be selected," Bouchard said. He added that the cost of sending delegates to the convention will also be discussed.

Bouchard added that the Menu Committee would also give a progress report on the response of students to the hamburger line set up at evening meals in the annex of Sbis Dining Hall.

Other projects to be discussed are the establishing of a CSC Information Center in the old

Intramural Information Center next to Sbis Dining Hall, and the discussion of the Texas Residence Hall Association conference, attended last weekend by CSC representatives.

Bouchard added that the MSC Travel Committee will present a program on its current recruiting drive and future activities.

### WEATHER

Thursday — Cloudy, intermittent rain afternoon and night. Southerly winds 10-15 m.p.h. Low 52 degrees, high 59 degrees.

University National Bank  
"On the side of Texas A&M."  
—Adv.

## Sweetheart Selection

## Saturday Will Climax

## Sophomore Weekend

By Janie Wallace  
Battalion Staff Writer

Selection of a Sophomore Sweetheart from five finalists climaxes the activity-filled Sophomore Weekend, according to John Sharp, class president.

The sweetheart will be chosen from these finalists:

Green-eyed blonde Martha Duncan is a senior at W. B. Ray High School in Corpus Christi. Her escort is Robert N. Connell.

Janice Kay Langley, freshman elementary education major at Texas Christian University, has brown eyes and dark brown hair. She is from Papillion, Neb., and her escort is John Andrew Kenagy.

A recent high school graduate, Rebecca Lee Launer has brown hair and brown eyes. She is from Houston and her escort is Kirby Brown.

Brown-eyed Janet Katherine Richardson is a sophomore art major at San Angelo State University. From Midland, she has brown hair. Her escort is Gary Drake.

A senior at New Braunfels High School, Susan Richter is a green-eyed brunette. William G. Marling is her escort.

The Sweetheart will be presented at the semi-formal dance in Duncan Dining Hall. All finalists will receive a class pin.

The Sweetheart Selection Committee consists of Bruce Clay,

class vice president; James R. Perry, social secretary; Glenn Garrison, Memorial Student Center representative; Steve Young, secretary-treasurer; Joe Kornegay, head of the selection committee; Tom Stone, Sophomore Council member and Sharp.

A casual dance in DeWare Field House Friday night will feature Jim Jones and the Chaunteys from Fort Worth instead of the scheduled Cornerstone Blues.

"The Cornerstone Blues disbanded last week and we had to find someone else," Sharp said. "I've heard that the Chaunteys are a very good band."

Held on St. Valentine's Day, the semi-formal dance's theme is

"St. Valentine's Fantasy." Known as the "Great Imitators", the Countdown Five from Houston will be featured.

Dress for cadets will be announced Thursday, Sharp said.

"This is the biggest Sophomore Ball ever — as predicted by the ticket sellers at the MSC — and many tickets have been sold already," Sharp said.

Tickets for the weekend are \$5 per couple and are good for both dances. Each is scheduled to begin at 8 p.m. and continue until midnight.

"Tickets can be purchased at the Student Program office in the MSC, from representatives in each dormitory or at the door of each dance," Sharp said.



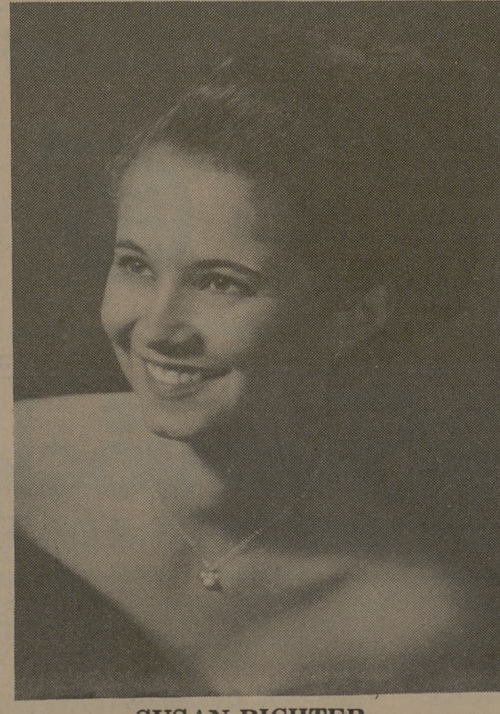
REBECCA LAUNER



JANICE LANGLEY



MARTHA DUNCAN



SUSAN RICHTER



JANET RICHARDSON