

# THE BATTALION

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Number 84

## Big Military Weekend Starts Today

### NSF Grant To Finance New Vessel

A grant of \$875,000 has been made by the National Science Foundation to A&M to convert a 180-foot vessel for oceanographic research.

The award, made to the Department of Oceanography and Meteorology through the A&M Research Foundation, will enable scientific cruises to be made throughout the hemisphere.

Directing the conversion and

out-fitting of the 'FS' type ship will be Dr. Hugh J. McLellan, professor of oceanography.

"We are delighted that under McLellan's direction the department will be able to extend our oceanographic research capabilities to greater areas not heretofore possible," said Dr. Frank W. R. Hubert, dean of arts and sciences.

The vessel to be acquired will supplement the present A&M Research Foundation ship, the "Hidalgo," a 136-foot wood-hulled vessel that has been used since 1958. The "Hidalgo's" size has limited the amount of equipment needed for research, the number of scientists it would hold and its cruising range, which was generally limited to the Gulf of Mexico and the Western Caribbean.

The FS-type ship will extend A&M's research capabilities to cruises throughout the Gulf of Mexico, the Caribbean and the major oceans. Originally designed for use by the Army as a freight carrier, it features two large holds, a large expanse of clear deck space and has no costly superstructures to remove during the converting project. It is now docked at San Diego, Calif.

As a research ship, it will have space on the main deck for 1,038-square feet of laboratory and 1,280 square feet of lab space below the main deck. Hydrographic and deep sea dredging and coring equipment will be operated from on deck.

It will have berths for 16 scientists, a scientific library, space for a crew of 18 and a three bed hospital.

The Department of Oceanography and Meteorology was established in 1949. Since 1955 it has had one of the larger oceanography enrollments in the nation. It has granted 60 graduate degrees in oceanography in the past decade — 23 of which were Ph. D. degrees and 37 master of science degrees. Dr. Dale Leipper is head of the department.

Current studies being conducted by A&M scientists include research on seismic refraction, heat budget, Yucatan current systems, biochemistry of surface films, gravity measurements at sea, dynamics of marine populations, air-sea interaction, development of oceanographic instruments and many other projects.

### Bengali-English Dictionary Now Being Printed

The first dictionary of its kind — a Bengali-English, English-Bengali Dictionary — is being published by the Department of Modern Languages.

Author of the book, Dr. Jack A. Dabbs, professor of modern languages, said the dictionary is the first one to show the Bengali words in a phonetic transcription, using the English alphabet as well as the Bengali alphabet.

"Other dictionaries of the language have shown the Bengali words in the Bengali alphabet only, and learning this Indian alphabet has been a major obstacle to learning the language," Dabbs said.

Bengali is the language of Eastern India and of East Pakistan. About 60 million people speak the

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language, which is approximately the same as the number who speak French.

A&M has an interest in the language because of the fairly large number of faculty and staff members and their families whom the school sends to East Pakistan under the U. S. Foreign Aid Program, he said. Bengali has been taught to specialized groups at A&M for the past two years.

The dictionary began last year when A&M received a grant from the Department of Health, Education and Welfare. Words for the book were collected by Dabbs during a stay in 1960 in East Pakistan. He was helped by Mrs. Sumitra Banerjee, whose husband is a graduate student here.

Mrs. Banerjee was born and educated in Calcutta, the largest Bengali-speaking city.

One of the chief difficulties in publishing the dictionary was printing the words in phonetic transcription and in the Bengali alphabet, Dabbs said. Bengali type face was not available.

Fortunately, Dabbs had brought back a half-font of Bengali type from Pakistan, and he had the other specialized type needed for the phonetic transcriptions.

Dabbs, with the help of Dr. Edward C. Breitenkamp, associate professor in the Department of Modern Languages and Mrs. Banerjee, hand set the book. With the limited supply of type available, only one or two pages a day could be printed on a job press.

### Sophomore Wins Encyclopedia Set

Robbie L. Galaway, '64, accounting major from Laredo, was the winner of the 30 volumes of the Encyclopedia Americana displayed in the Memorial Student Center since last week.

A drawing was held today, and the presentation was made by Russell M. Phillips, Director of University Promotions, Americana Corporation.

### Maritime Academy Head Inspects Ship Of Eastern School

Capt. B. M. Dodson, head of the newly established Maritime Academy, was in New Orleans Tuesday to visit the training ship "Bay State" of the Massachusetts Maritime Academy.

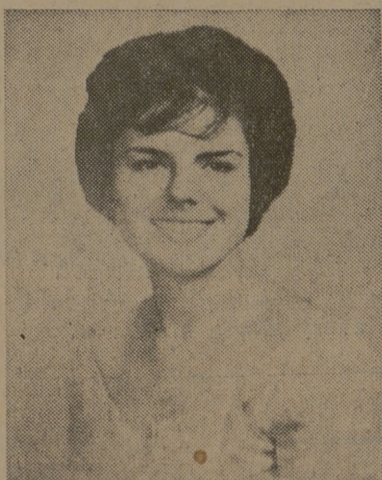
He consulted with the commanding officer of the ship toward developing operations for the Texas Maritime Academy similar to those of Massachusetts. Dodson said that curriculum, expenses and modes of operation were reviewed and compared. The Massachusetts Maritime Academy, established in 1882, is one of the oldest, Dodson said.

The "Bay State" had docked at New Orleans on a return cruise from South America. It carried over 200 cadets who were given the opportunity to attend the Mardi Gras celebration.

At present, the department is preparing the budget for 1962-63. The curriculum for the Maritime Academy will be reviewed Friday by the Curriculum Board, he added.



Eileen Martin  
... 3rd Battle group



Leah Rita Stephenson  
... 5th Battle group



Anita Franklin  
... 2nd Battle group



Claude Ann Riggs  
... 6th Battle group



Lynn Moore  
... 4th Battle group



Ellie Walter  
... 1st Battle group

### Civilians Question Methods Of Graduate Record Exams

Alleged irregularities in A&M's participation in the Graduate Record Examination program were brought out by members of the Civilian Student Council in a regular meeting Thursday night.

Graduating seniors are scheduled to take two examinations, an aptitude test and an advanced test, during a full day of exams Saturday, Mar. 24.

The alleged irregularities, heard also in other quarters, involve payment for taking the tests, whether participation is a requirement for graduation and whether all students will take the advanced tests. A&M's participation was ap-

proved by the Student Senate Jan. 18 with the following proposals:

1. Aptitude tests will be given all graduating seniors, while advanced tests will be given seniors in the specific fields covered by the exams. Graduates in fields other than those covered in the advanced tests will take the tests only if their department heads decide they should. The department heads will also designate which tests the seniors will take.

2. Results of the tests will not be placed on permanent record.

3. The tests will be given free of charge this year, and in following years if possible.

4. The tests shall not be a prerequisite for graduation.

Initial questions arising from the announcement of the Mar. 24 tests concerned who will take the tests. The announcement said May graduates would take both tests, but made no mention of summer or January, 1963, graduates.

Students have also charged that no choice was given in the departments covered by the advanced tests. Fields covered by the tests are biology, chemistry, economics, education, engineering, French, geology, government, history, literature, mathematics, music, philosophy, psychology, scholastic philosophy, sociology, Spanish and speech.

It was initially announced that the \$15 costs of the two tests would be covered by the college. Two engineering graduates, however, told council members they had to pay \$4.50 before being allowed to take the exams.

In other business CSC President Doug Schwenk appointed a committee to investigate the possibility of creating a Civilian Student Achievement Award.

Thursday's proposal suggested giving such awards to one civilian in each of the four college degree-granting schools. The committee will probably render a report of its findings at the next CSC meeting.

### Economics Prof To UN Members To Speak Tonight

Tonight at 7:30 Dr. Irving O. Linger, associate professor of economics, will speak at the YMCA Building on the "Economic Problems in Developing Countries."

Alauddin Ahmad, president of the United Nations Club, said, "This program will offer an opportunity to become better informed about problems in new countries." Ahmad also announced plans for the Mar. 23 meeting of the club.

At this meeting Hamdi A. El Banbi, president of the United Arab Republic Association, will speak. His topic will be "Egypt Today."

### ITS To Kick Off Activities Tonight

Another activity-filled Military Weekend will get under way here Friday afternoon with the arrival of many of the special guests, and will continue through the annual Military Ball Saturday night in Sbis Hall.

Lt. Gen Paul L. Freeman Jr., deputy commanding general for reserve forces at the U. S. Continental Army Command, will arrive Friday afternoon.

He will inspect the Ross Volunteer Company in front of the Systems Administration Building at 4:30 Friday afternoon.

At 6:30 Friday night the annual Intercollegiate Talent Show will be staged in Guion Hall. Price of tickets is \$1, and may be bought at the door.

No seats have been reserved. Eleven acts from schools throughout the Southwest will be presented, and the Apache Belles will open and close the show with a dance routine.

Then two dances follow the ITS. Army units will deck out in fatigues and combat gear for the Combat Ball, in Sbis Hall. Leo Baxter's band from Houston will provide the music, and a Combat Cutie will be selected. Theme for this year's dance is somewhere in West Berlin.

In the Memorial Student Center, at the same time, a "Midnight in New Orleans" dance will be underway in the Ballroom. This dance lasts until 1 a.m., and features the Jokers, a combo from Louisiana State University. Other ITS acts are also slated to make appearances.

Tickets for the dance are \$2 per couple, and will be on sale at the dance.

Saturday morning Gen. Freeman and other weekend guests will be taken on a tour of the campus, and will inspect the Corps Staff headquarters in Dorm 2.

Gen. Freeman will take the units' salutes Saturday afternoon in a review on the Main Drill Field, beginning at 1:30. A precision marching demonstration by the Freshman Drill Team will be a feature of the afternoon. After the review, President Earl Rudder will hold a reception for guests in the Ballroom of the Memorial Student Center.

That evening at 9, the annual Military Ball will be held in Sbis Hall, with all Corps units in attendance. The Military Ball planners have invited the weekend guests to the ball, as well as other college personnel.

### Speaker Tells Phenomenon Of Magneto-Gas

When the nation's millions heard and witnessed the failure of radio contact with Lt. Col. John Glenn as his spacecraft re-entered the earth's atmosphere, they became aware of a new phenomena in science — magneto-gas dynamics.

Dr. Ali B. Cambel of Northwestern University described this new science as guest lecturer before the chapter of Sigma Xi, national society for the encouragement of scientific research.

"For a period of seven minutes, Glenn was without communication because of the generation of ionized gas around his space vehicle. Radio signals couldn't penetrate it," Cambel said.

Magneto-hydrodynamics is becoming increasingly important in the attempt to control the expanding energy of hydrogen bombs for peaceful purposes.

Both scientists and engineers interested in controlled nuclear fusion find magneto-hydrodynamics of "extreme interest," he said.

It is only during the last decade that magneto-hydrodynamics has made itself felt as a new science, Cambel said. Scientists and engineers concerned with development of re-entry vehicles hope to make use of magneto-aero-dynamic drag to help slow down a vehicle returning to the earth's surface.

In this instance, a magnetic field inside the vehicle would have to displace the ionized gas developing around the craft, thus increasing the drag on the vehicle, he explained.



### 'Jokers' Return For ITS

Perennial ITS favorite, "The Jokers," from Louisiana State University, will return for the fourth time for tonight's performance of the Intercollegiate Talent Show at 6:30 in G. Rollie White Coliseum. They will also be featured at "Midnight in New Orleans" entertainment in the Memorial Student Center after ITS.