### **NSF** Awards \$32,285 For Summer Programs

tion grants totaling \$32,285 we been announced for summer ence training programs at xas A&M.

Programs in engineering sci-, geology and mathematics been through the grants, C. M. Loyd, NSF coordi-

Dr. J. George H. Thompson was inted \$10,370 for engineering ence, Fred E. Smith \$12,000 geology and Dr. William S. Culley \$9,915 for mathematics. The summer programs offer th ability high school students ory and lab work beyond levoffered in high school.

Thirty students will study ess problems under Thompson, ofessor of mechanical engiring. The 7094 computer in Data Processing Center will employed. The program starts ne 6 and runs through July 15. The training program in geolinstructed by Smith, a geology professor, is for 36 students nounced by the Firemen's Trainwhile 32 will work under Mc-Culley, associate professor of mathematics. His program will stress modern math and computer programming.

Geology and mathematics programs will be in session July 18-August 26.

A&M Dominican Head To Speak Thursday

Dr. G. M. Watkins, program director of Texas A&M's Dominican Republic programs, will report on conditions in that country at 3 p.m. Thursday in the Architecture Auditorium.

Dr. M. T. Harrington, coordinator of A&M's international programs, said the report "should be of extreme interest to faculty and staff interested in international programs."

Fireman School Adds 2 Training Courses

Two training courses for February and March have been an-

ing School.

A heavy duty rescue course is scheduled Feb. 2-March 5. Rescue tools and equipment are used in training key personnel of cities, counties, district and industry. Graduates will later train additional rescue workers locally so adequate rescue service can be provided for emergencies.

Trainees will work with rescue trucks and equipment on Disaster Street, which features buildings in various stages of destruction.

"Emergency Care and Transportation of the Sick and Injured" is slated March 22-24 for funeral home personnel, ambulance service companies, emergency crews of fire, police and sheriff departments, and individuals actively engaged in emergency care.

Instructors will be from the medical profession, medical colleges and hospitals, Red Cross, the University staff and other

# Radiation Research Scientists Use Hi-Fi Music On Goats

They're wasting hi fi music on goats at Texas A&M.

A controlled environment chamber of the radiation biology laboratory is ideal for customizing for stereophonic listening.

The air conditioned, sound proof, vault-like room is the key feature of a radiation effects research project by A&M scientists. Audiophiles would find it ideal for stero.

The 20-by-20 foot room is located about 600 yards from the runways of Easterwood Airport. But a jet plane's engines cannot be heard when the cell is properly sealed.

The only inhabitant of the specially designed chamber is a Spanish goat.

Dr. Albert Casey, psychologist and radiation biologist, is testing the hearing of goats in the cham-

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Typing, 846-8375 before 5 p. m.

Typing, 823-6410.

713 S. Main

ber. It's part of a study to de- ly grant of \$36,418 in May 1965, has a body mass equivalent to termine effects of radiation on and will continue day and night senses of animals the approxi- until spring. mate size of humans.

The Division of Neurological Diseases and Blindness of the National Institute of Health sponsors the research.

Concurrent investigation in the radiation biology lab tests skin sensitivity and conditioned responses of the goats, as affected by radiation.

Trained Spanish goats are given hearing tests in the \$5,000 control panel in another room, chamber designed by a British requires most of the time spent acoustical engineer.

Sand-filled concrete walls containing dead air spaces and lined with acoustical tile assure test readings are not influenced by background noise.

Goats are trained to lift their leg upon hearing a tone. Then a dose of radiation is administered.

More tests and radiation follow, to compare with preradiation recordings. A level of radiation that impairs the sense is thus established.

Training each goat to respond to tones by lifting only the right leg, actuating instruments on a with each animal.

Only male Spanish goats are used. Casey said the goat is relatively smart, has an aural range similar to man's, has good muscular coordination, is easy to Research began under a year- maintain and, most important,

man.

In the chamber, the goat is positioned before a speaker that reproduces a range of tones selected by a scientist outside the room. A stanchion holds the animal in place with its right leg over a panel switch. Sensors are attached alongside the heart.

Tests are run on 45-70 animals a month. Tones of varying degrees of loudness up to 35,000 cycles per second are piped into the chamber. The goat can hear tones up to 28,000 cps, 9,000 above human range.

How are more lethal levels of radiation affect hearing, eyes, skin nerve endings and reproductive organs are unknowns.

But the blanks are being filled in at Texas A&M.

## Iffbeat Excuses Ordinary To Student Loan Officials

ach replies and requests are office.

student service which does ty of oddball requests, and more unusual replies when time to pay up.

out Robert M. Logan, director Student Aid, is proud of the dents his office serves and way they meet their committ-

"Our deliquency rate is well ow the national average," Lo-

The office furnishes four types loans to be used for educaal expenses. Small loans run m \$5 to \$20 for 30 days, at cents per loan.

Former student and student aid nds fill requests of \$25 to \$400 two national agency-backed ns satisfy requests up to 00 and two national agencycked loans satisfy requests up \$4,000 or \$5,000. United Stuent Aid Fund, Inc., loans are terest up to four and a half aid at simple six per cent erest up to four and a half ars after graduation.

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"McLINTOCK"

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National Defense Education Act sums increase on the unpaid balance at three per cent and -of-the-mill at the Student may be repaid up to 12 years after graduation.

Except for small loans, all 8,000 business a year receives funds must be used to pay University expenses and clear need must be shown. Applicants must be in a degree-producing course, have proper grades and clear disciplinary records.

The lineup at the Student Aid window between 9:30 a.m. and 3:30 p.m. produces the extraordinary.

A formally-attired young man dashed breathlessly to the window one afternoon. "I need \$10,' he exclaimed.

"I'm going on my honeymoon."

He'd just gotten married and his bride was waiting in the car outside. A big, blond-haired senior bristled at being called in to

repay a loan. "How am I going to pay my maid?" he complained.

'I've never ridden in a rodeo." one student confessed, but he

was near the end of the day and her rope trying to explain to an international student she couldn't make a loan. After minutes of simple sentences, hand-waving and hand signs, the foreign student turned to leave.

"In other words," he commented, "your funds are exhausted." Logan interviews prospective borrowers for all but small loans.

A student who had arrived in an expensive sports car seated himself for consultation. Logan pointed out he should sell the car before borrowing

money to stay in school. The student replied his allowance money went into car payments. "I'll quit school before I give

up the car," he said. The most enterprising borrower was an obviously well-off student who requested \$1,000 under the three per cent National Defense Education setup. He intended to deposit the sum in a savings ac-

interest. "We get the thinking kind," wanted to borrow the \$50 entry Logan grinned, tapping his tem-

count and draw four per cent

CHILD CARE

Practical nurse would like to keep children in my home 5 or 5½ days a week, reasonable rates. 413 Nimetz, 846-3205.

Gregory's Day Nursery—846-4005. 218tfn Bi-City, Ink—Complete typing and printing service. 1001 S. College. TA 2-1921. Child Care with experience. Call for formation, 846-8151. 197tfn

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9 x 12 rug, \$12.00; Bamboo closet curtain, \$5.00; 3 pair drapes, gold, \$7.50; bookcase, \$4.00; picture, \$3.00; 846-4815. 250t2 Toy Terrier pups for sale, 537-6711.

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1956 Ford Victoria, radio, heater, overdrive, \$225.00. Call Bob Bell, 846-4610 or 4000 College Main, Apt. 7. 247t4 '64 Honda 90, \$287.50, 846-8950 after 232tfn

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**EMPLOYMENT** 

NOTICE

Designations as to sex in our Help Wanted and Employment Agency columns are made only (1) to indicate bona fide occupational qualifications for employment which an employer regards as reasonably necessary to the normal operation of his business or enterprise, or (2) as a convenience to our readers to let them know which positions the advertiser believes would be of more interest to one sex than the other because of the work involved. Such designations shall not be taken to indicate that any advertiser intends or practices any unlawful preference, limitation, specification or discrimination in employment practices.

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Aggie Wanted for full time job. Counter work. Good starting salary, plus other fringe benefits. Call 846-9968 for appoint-ment. Dutch Kettle, 250tfn

Cooks, waitresses, dishwashers needed Full time help. Apply in person. Coach Norton's Pancake House. 250tfm

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Waitress Wanted: Apply in person at The Ramada Inn. 208tfn R.N. to work 3-11 p.m. and 11-7 a.m. and relief shift at Madison County Hospital. Starting salary \$350.00 and up. Meals provided; uniforms laundered. Contact B. Tugger, R.N. at VI 6-5493 after 5 p.m.

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CITY ORDINANCE
ORDINANCE NO. 447

AN ORDINANCE PROVIDING FOR A PUBLIC HEARING ON THE QUESTION OF REZONING A TRACT OF 13.92

CITY ORDINANCE
ORDINANCE 823-8051

ORDINANCE NO. 447

AN ORDINANCE PROVIDING FOR A PUBLIC HEARING ON THE QUESTION OF REZONING A FIRST BUSINESS DISTRICT, TO DISTRICT NO. 4. FIRST BUSINESS DISTRICT, TO DISTRICT NO. 4. FIRST BUSINESS DISTRICT, TO DISTRICT NO. 2. SECOND DWELLING HOUSE DISTRICT, TO DISTRICT NO. 3. APARTMENT HOUSE DISTRICT.
BE IT ORDAINED by the City Council of the City of College Station, Texas:
WHEREAS, the City Planning and Zoning shall be held in the City Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city limits, more particularly described herein be rezoned as District.

It is hereby ordered that a public hearing shall be held in the City Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p. m. on January 24, 1966, on rezoning careas within the city Hall at 7:00 p.

District, to District No. 3 Apartment District, to District No. 3 Apartment House District.

Notice of said hearing shall be published in a newspaper of general circulation in the city of College Station at least fifteen days prior to date of hearing.

PASSED AND APPROVED this 16th day of December, 1965.

APPROVED S/Ernest Langford Mayor

OFFICIAL NOTICE

Official notices must arrive in the Office Student Publications before deadline of p. m. of the day preceding publication.

THE GRADUATE COLLEGE
Final Examination For The Doctoral Degree
Name: Kraemer, Duane Carl
Degree: Doctor of Philosophy In Physiology Degree: Dector of 1 mostly
of Reproduction
Dissertation: A Study of In Vitro Fertilization and Culture of Ovine Ova
Time: January 6, 1966 1:00 p. m.
Place: Library Animal Industry Bldg.
Wayne C. Hall
Dean of Graduate Studies 250t3

THE GRADUATE COLLEGE
Final Examination For The Doctoral Degree
Name: Blanton, William George
Degree: Doctor of Philosophy In Biological
Oceanography
Dissertation

nography
ation: Some Mechanisms of Anbic Corrosion of Metallic Iron in the
ine Environment
January 7, 1966 2:00 p. m.
Faculty Room Coke Bldg.
Wayne C. Hall
Dean of Graduate Studies 250t3

Dean of Graduate Studies

Regalia For The January 1966
Commencement Exercise
All students who are candidates for the degree of Doctor of Philosophy are required to order hoods as well as the Doctor's caps and gowns. The hoods are to be left at the Registrar's Office no later than 1:00 p. m., Tuesday, January 18 (this will be accomplished by a representative of the University Exchange Store). The Ph.D. hoods will not be worn in the procession since all such candidates will be hooded on the stage as part of the ceremony. Candidates for the Master's Degree will wear the cap and gown; all civilian students who are candidates for the Bachelor's Degree will wear the cap and gown; ROTC students who are candidates for the Bachelor's Degree will wear the appropriate uniform. All military personnel who are candidates for the degrees, graduate or undergraduate, will wear the uniform only. Rental of caps and gowns may be arranged with the Exchange Store. Orders may be placed between 8:00 a. m., Monday, January 3 and 5:00 p. m., Friday, January 14. The rental is as follows: Doctor's cap and gown, \$5.25, Master's cap and gown \$4.75, Bachelor's cap and gown \$4.25. Hood rental is the same as that for the cap and gown. A 2% sales tax is required in addition to these rentals. Payment is required at the time of placing order.

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CITY ORDINANCE

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### **Maritime Academy Seeking Summer Cruise Candidates** The Maritime Academy is seek- Nassau, the Bahamas. A total Academy Superintendent Ben-

ates interested in making a

summer cruise to Europe. nett Dodson, Captain USN (ret), described the program as a floating summer school which offers courses for college credit, the adventure of shipping on a

ocean-going vessel and visits to foreign lands. The cruise is aboard the academy's vessel, "Texas Clipper," which leaves Galveston June 6 and returns Aug. 16. Ports of call include Dublin, Ireland; Bordeaux, France; Malaga, Spain; Las Palmas, Canary Islands, and

la-de-da



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touring foreign countries. semester hours of college credit in a choice of subjects: history, algebra, calculus, or English.

it may be transferred to A&M or any other college or university, Dodson pointed out. "Goal of the program is to interest high school graduates in Texas A&M and the Texas Mari-

time Academy," the captain not-

ed. "But men taking the cruise

forms are available from the Texas Maritime Academy, Texas A&M, College Station.

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While at sea, students earn six

Fulltime faculty from Texas A&M conduct the courses. Cred-

are under no obligation to en-Fee for the summer cruise is \$450, he said, which includes tuition for summer school, room and board, cruise fee, medical serv-

ices and uniforms. Full details and application

The Showdown



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ORDINANCE NO. 448

AN ORDINANCE PROVIDING FOR A PUBLIC HEARING ON THE QUESTION OF REZONING LOT 15, BLOCK 2 OF THE TAUBER ADDITION FROM DISTRICT NO. 2, SECOND DWELLING HOUSE DISTRICT. TO DISTRICT NO. 3, APARTMENT HOUSE DISTRICT.

BE IT ORDAINED by the City Council of the City of College Station, Texas:
WHEREAS, the City Planning and Zoning Commission has recommended that that land described herein be rezoned as District No. 3, Apartment House District,
It is hereby ordered that a public hearing shall be held in the City Hall at 7:00 p. m. on January 24, 1966, on rezoning certain areas within the city limits, more particularly described as follows:
Lot 15, Block 2 of the Tauber Addition from District No. 2, Second Dwelling House District, to District No. 3, Apartment House District, to District No. 3, Apartment House District.

trict, to District No. 3, Apartment use District.
Notice of said hearing shall be published a newspaper of general circulation in city of College Station at least fifteen s prior to date of hearing.
'ASSED AND APPROVED this 16th of December, 1965.
APPROVED S'Ernest Langford Mayor
TEST:

he city of College Station at least fifteen ays prior to date of hearing.

PASSED AND APPROVED this 16th ay of December, 1965.

APPROVED S/Ernest Langford Mayor