

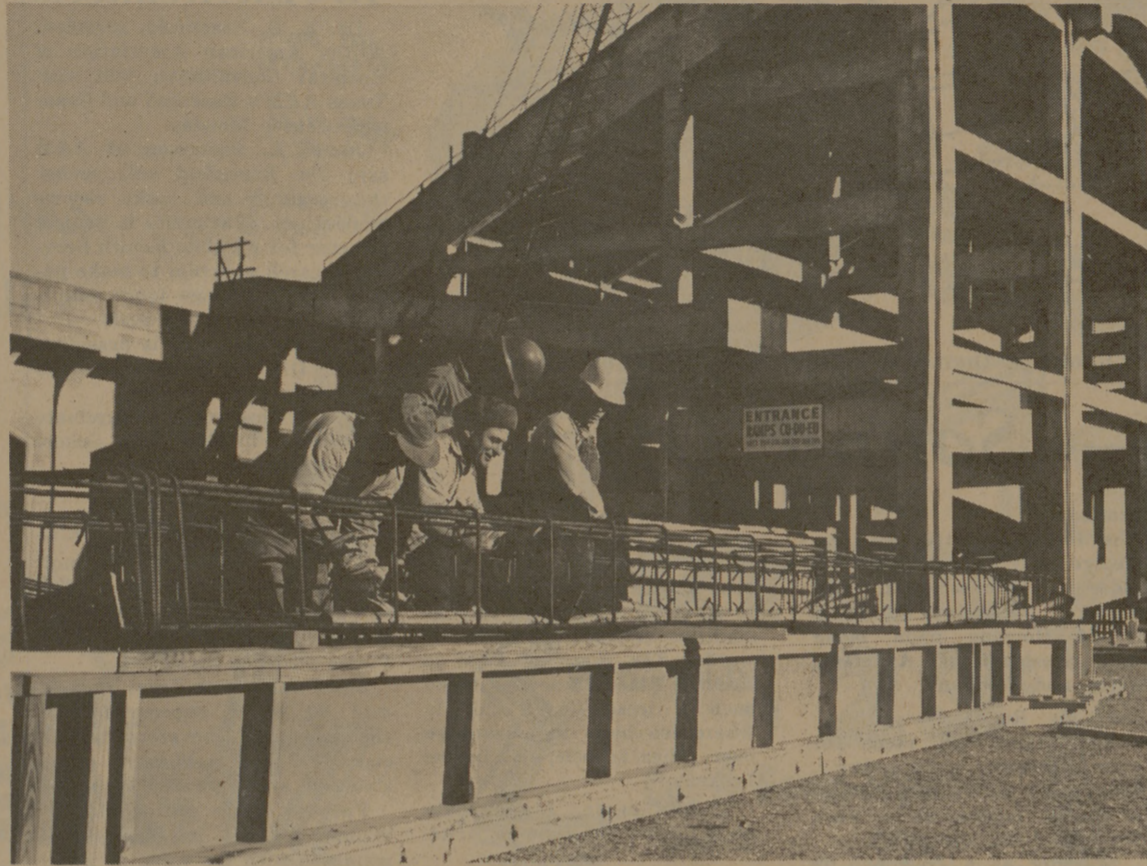
Final Exam Schedule

Final examinations for the Fall Semester 1966 will be held Jan. 21—Jan. 28, according to the following schedule:

| | | |
|--------------------|-----------|--------------------|
| Saturday, Jan. 21 | 1-4 p.m. | Math 102, 121 |
| Monday, Jan. 23 | 8-11 a.m. | Classes MWF8 |
| Monday, Jan. 23 | 1-4 p.m. | Classes TTh8F1 |
| Monday, Jan. 23 | 7-10 p.m. | Classes MWF12 |
| Tuesday, Jan. 24 | 8-11 a.m. | Classes MWF9 |
| Tuesday, Jan. 24 | 1-4 p.m. | Classes MWF11 |
| Tuesday, Jan. 24 | 7-10 p.m. | Classes TTh12 |
| Wednesday, Jan. 25 | 8-11 a.m. | Classes MWF10 |
| Wednesday, Jan. 25 | 1-4 p.m. | Classes TF1 |
| Wednesday, Jan. 25 | 7-10 p.m. | Biology 107 |
| Thursday, Jan. 26 | 8-11 a.m. | Classes M3TTh10 |
| Thursday, Jan. 26 | 1-4 p.m. | Classes MWF12 |
| Thursday, Jan. 26 | 7-10 p.m. | Chemistry 101, 102 |
| Friday, Jan. 27 | 8-11 a.m. | Classes MWF11 |
| Friday, Jan. 27 | 1-4 p.m. | Classes M4TTh11 |
| Saturday, Jan. 28 | 8-11 a.m. | Classes TTh9F2 |
| Saturday, Jan. 28 | 1-4 p.m. | Classes TF2, TWF3 |

Final examinations in courses with only one theory hour per week as shown in the catalogue will be given, at the discretion of the department head concerned, at the last meeting of either the theory or practice period before the close of the semester.

Missile Goes Off Course, Nearly Hits Cuban Coast



KYLE FIELD CONSTRUCTION
Workmen tie steel reinforcing rods for concrete pillars in Kyle Field construction.

Drone Apparently Falls Into Ocean

By BOB HORTON
WASHINGTON (AP)—A supersonic jet fighter chased a runaway Air Force missile for 90 miles over the Gulf of Mexico Wednesday in a vain attempt to shoot it down before it passed over Cuba.

A Pentagon spokesman said the F4 Phantom jet hit the unarmed Mace missile — modified as a target drone — with cannon fire.

But the 44-foot, 18,000-pound missile continued southward on an errant course which carried it over the extreme western tip of Cuba and apparently to a harmless impact in the ocean 100 miles south of the island country.

THE PURSUING jet also fired two air-to-air missiles being tested by the Air Force in an unsuccessful attempt to bring down the errant craft, serving as a robot plane for target practice.

Nobody professed to know for sure where it came down. The Pentagon said the surface-to-surface missile, a 650-mile-an-hour Mace which had been converted into a target drone, was unarmed—meaning it had neither a nuclear nor a conventional warhead.

It was in effect a robot plane designed for target practice and carrying only a small explosive charge rigged to blow off its small wings and bring it down in the event of just such an errant flight.

THE AIR FORCE tried, but unsuccessfully, to touch off this "destruct" capability by radio signal.

The missile went aloft from the Air Force proving ground at Elgin Air Force Base at 10:00 a.m. EST, heading out over the Gulf of Mexico to be chased by F4 Phantom jets in a test. It failed to make a scheduled turn and soared at 25,000 feet toward Cuba.

At 11:21 a.m., precisely the moment the Pentagon figured the missile would have expended its fuel, a Defense Department spokesman told newsmen of the errant flight.

THE UNARMED weapon, the spokesman said, went into "an unprogrammed course that would cause an impact at 11:21 a.m. about 100 miles south of the southwest coast of Cuba."

The Air Force plotted the impact point from radar trackings and fuel calculations.

The Pentagon obviously was making the news public as quickly as possible in an attempt to forestall any propaganda broadcast by Cuba's Prime Minister Fidel Castro.

At midafternoon there still was

no word about the missile's descent, but presumably it plummeted harmlessly into the ocean. If so the chances are remote of it ever being found.

HOWEVER, IF it hit land, it could very well turn up.

A spokesman said wherever the missile struck down, land or sea, there would be little or no explosion. But it seemed obvious that nine tons of equipment plummeting from the sky could cause sizeable damage if the missile hit an inhabited area.

In Wednesday's test, in the normal course the missile would have been shot down by the 1,600-mile-per-hour Phantom jet, either with air-to-air missiles or cannon.

It was not immediately clear how a subsonic missile could escape the supersonic aircraft.

Science Training Grant Announced

One hundred high-ability Texas high school students will study in secondary science training programs at Texas A&M University next summer under three National Science Foundation grants totaling \$36,800.

C. M. Loyd, associate programs director, said A&M will offer sessions in geology, engineering science and mathematics and computers.

The NSF-sponsored programs are designed to encourage high-scholastic students' scientific interest by having them study and work with experienced scientists and mathematicians.

Although no credit is given for the summer programs, they provide excellent background, Loyd said. Programs include field trips, laboratory experience, research participation and techniques not usually found in high school or college courses.

The geology programs for 38 students is funded by a \$12,010 NSF grant. Professor Fred E. Smith directs the program, which coincides with the second six-

week summer session of A&M instruction.

Engineering science is planned for 30 male students June 19-Aug. 11, under a \$13,925 grant. Dr. J. George H. Thompson, mechanical engineering professor, directs the program.

Applications from both boys and girls will be accepted for the geology and mathematics programs, Loyd said.

Randolph To Train Rookie Pilots

By PAUL RECER

SAN ANTONIA (AP) — Randolph Air Force Base will change its primary mission from training of advanced pilots to training of rookie pilots this summer as the Air Force attempts to increase its annual output of pilots.

Randolph's advanced training missions are to be transferred to

three other Air Force bases. The T37 pilot instructor program is being moved to Perrin Air Force Base at Sherman-Denison, the T38 pilot instructor program is going to Tyndall Air Force Base in Florida, and the Military Assistance Program MAP which trains foreign pilots in C47s and T28s, goes to Keesler Air Force Base in Mississippi.

Randolph officials said final estimates have not been completed on the personnel increases that will occur at Perrin, Tyndall and Keesler.

THEY SAID, however, that the T37 pilot instructor program at Randolph now employs 48 officers, 130 airmen, and 13 civilians. The program turns out about 60 pilots yearly.

The T38 pilot instructor program employed 56 officers, 249 airmen and 56 civilians at Randolph and also handled 60 student pilots annually.

The MAP at Randolph employed 109 officers, 268 airmen, and 60 civilians and trained 123 foreign student pilots annually.

Randolph officials emphasized that these figures are only a tentative estimate of the effect on personnel strength at the three bases receiving the pilot training programs.

A&M Gets \$6,000 For Biology Work

Texas A&M will receive an educational assistance grant for \$6,000 from the U. S. Atomic Energy Commission for the study of biology.

The Commission has approved assistance grants totaling \$517,431 to 57 colleges and universities through its Division of Nuclear Education and Training. The grants will provide for purchase of laboratory equipment and fabrication of radiation sources for instruction in the nuclear aspects of the engineering and physical sciences. The primary purpose of the awards is to assist educational institutions in their advanced science curricula. As such, the grants are important to the Federal Government's program to build a strong and vital educational system. The awards are based upon the recommendations of a special review committee composed of college and university faculty members active in nuclear science.

These grants have been made available to 702 educational institutions for laboratory equipment to be used in nuclear training since the program was initiated in 1956.

Potter Is Named To Science Group

Dr. James G. Potter, assistant dean for student resources and professor of physics, at Texas A&M University, has been named to the Council of the American Association for the Advancement of Science.

The Council is the association's governing body, composed of representatives from each of the various societies in the national organization. Dr. Potter will serve a three-year term after selection by the American Society for Engineering Education.

AICHe Meeting

"Fire 1,000 Feet Below the Earth" will be discussed tonight in an American Institute of Chemical Engineers chapter meeting at Texas A&M.

H. C. Coutret Jr. with Mobil Oil in Shreveport will speak on "Thermal Recovery in the Mid-Continent: Why, Where and How." The 7:30 p. m. lecture will be in Room 105 of the Geology Building, announced AICHe chapter president Mike Knox of Atlanta, a senior chemical engineering major.

Executives To Meet At A&M

The fifteenth annual Executive Development Program for many of the nation's leading business executives will take place here Jan. 22-Feb. 10.

This program is offering to selected executives the opportunity of participating in a professional management educational program adapted to the needs of business and industrial enterprises. The course, sponsored by the School of Business Administration, is designed to help develop skills and attitudes necessary for executives charged with the work of policy interpretation and decision-making.

The three-week course centered

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around the Memorial Student Center will cover such topics as operations research, cost information systems, and management of motivation to work.

The Executive Development Program is conducted by members of the faculty of Texas A&M and by nationally recognized authorities from business and industry. The teaching technique used in the program is capsulating the experiences of many years and relating them to the participants. The moderator will often assume a passive role and promote reaction of the participants.

Selection of participants is made by the University's Steering Committee. Fifty applicants have already applied for this year's session at a cost of \$430 per registrant.

Radio Committee Gets Equipment

PERSONNEL strength at Randolph is expected to remain at about its current level.

With the change, Randolph becomes the ninth Air Force base to provide undergraduate pilot training.

Officials said that the setup in pilot production will have the greatest effect on personnel at Lackland Air Force Base here. The officer training school, primary source for new student pi-

lots, is located at Lackland.

Enrollment at the Officer Training School at Lackland is expected to jump to about 3,100 under the new program.

The undergraduate pilot training program will include 30 hours of training in the Cessna 172F which will be done by civilian instructors under an Air Force contract. Training in jet flying, which follows the Cessna 172F training, will be done by Air Force instructors at Randolph.

Radio Committee Gets Equipment

Amateur Radio Station W5AC at Texas A&M University owes a vote of thanks to a hurricane.

Indirectly, Hurricane Inez, which lashed the Gulf of Mexico earlier this year, led to the purchase of \$2,500 worth of new equipment for the station.

University officials, concerned for the safety of agricultural representatives working on an International Programs project in the Dominican Republic, were unable to contact them because of a transmitter malfunction.

To assure communication in the future, the International Programs Office financed the acquisition of new Collins S-Line equipment. Contact with the Dominican Republic now is instantaneous when schedules are closely followed.

A 64-foot antenna-tower soon to be installed will further improve the station's capabilities, pushing power to the legal limit. "The installation of new equipment certainly came at an opportune time," commented Ed Campbell of Houston, chairman of the Memorial Student Center Radio Committee. "We have already sent 160 messages this month. Most of them have been Christmas greetings or students letting their parents or girl friends know when to expect them home for the holidays."

"We ask students to keep their messages short, say two or three sentences," Campbell added. "They can just say 'hello' to a girl friend."

The committee is in daily contact with large Texas cities and has regular weekly schedules for foreign students. Puerto Rico, Peru, the Canal Zone, Hawaii and Paraguay are frequent contacts.

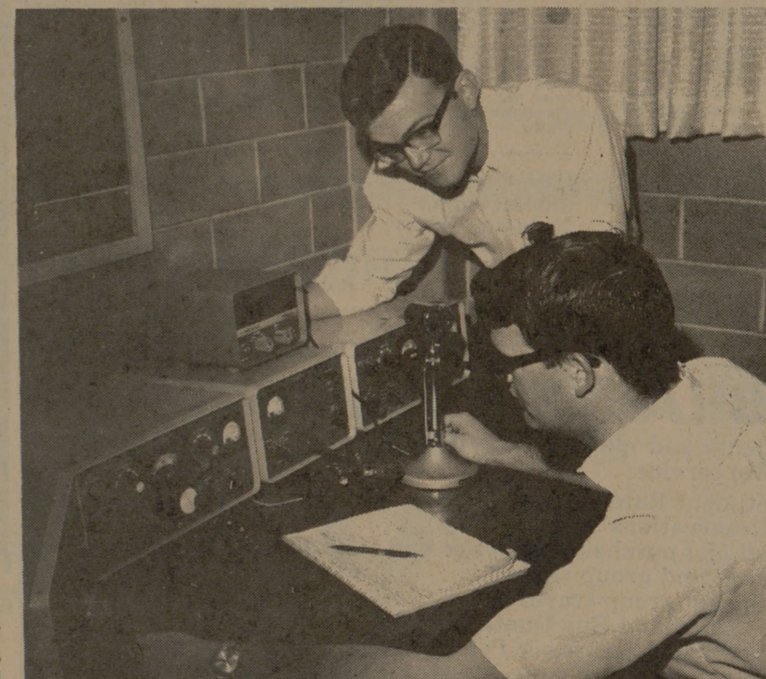
Use of the equipment is on a first-come, first-served-at-the-set basis to the 30-member organization when a hookup is not scheduled in advance. Campbell said

85 per cent of the members are licensed federal operators.

Peak use of the radio facilities is in mid-afternoon when "phone patches" are made for International Program officials. The phone patch is a remote control-type operation in which the radio operators plug telephone lines into radio receivers and transmitters. Users talk by phone from their offices, saving time and trips to the station.

W5AC headquarters are in a 10 by 12-foot room above the MSC recreation area. Recently renovated, the room can accommodate 20 persons if necessary. Students need only an interest

(See Radio, Page 2)



AGGIE HAMS CHECK RADIO
Ed Campbell of Houston (seated), chairman of Texas A&M's Amateur Radio Committee, checks out \$2,500 worth of new equipment with assistance from Vice Chairman Bill Parry of McAllen. Students and faculty-staff are invited to send free messages almost anywhere in the world. The committee has 30 members.

Grad Assistant To Take Long Research Cruise

George H. Weissberg of Texas A&M will participate in cruises of the National Science Foundation oceanographic research ship Eltanin in the Antarctic and South Pacific during the next seven months.

The graduate research assistant will make the cruises in connection with A&M study of the properties of Antarctic water under Dr. Sayed Z. El-Sayed, associate professor of oceanography and meteorology.

Weissberg is in LaJolla, Calif., for training at Scripps Institute on equipment to be used on the Eltanin. The ship departed Wellington, New Zealand, Dec. 30 for its first trip to McMurdo Sound, site of an Antarctic biological station.

"Due to the Eltanin's hull characteristics, it must go into McMurdo soon when ice conditions are correct," Dr. El-Sayed said. "The southern hemisphere's December and January are equivalent to July and August here."

In February, Weissberg and two A&M biochemical technicians — Roberto Robino and A. Dermedi — will participate in a South Pacific expedition run by the Woods Hole Oceanographic Institute and Scripps.

At Scripps, Weissberg is training in use of a fluorometer, a device to assess and monitor the amount of chlorophyll in phytoplankton, an Autoanalyzer, which measures the phosphates, silicates, nitrates and nitrites in sea water.

Weissberg, who graduated with a degree in biology at A&M, should return to the campus in April or May, El-Sayed said. Weissberg is a graduate of Germantown High School in Philadelphia.

Political Forum Presents History Prof's Lecture

Dr. Kwang Hai Ro, assistant professor of history and government, will present an informal discussion on "Re-evaluation of U. S. Policy in Vietnam" Friday noon in Room 309 of Nagle Hall.

The program, sponsored by the Political Forum Committee at Texas A&M, is open to members of the forum and all interested students and faculty members.

Bill Preston, recording secretary of the Political Forum Committee, said sandwiches and cold drinks will be made available at a nominal charge.

Ro's presentation was first given in his International Government course and is the first in the series of informal lectures sponsored by the forum committee.