

The Battalion

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845-2226

Hot
summer
days

Thursday and Friday — Partly cloudy to cloudy, afternoon rain or thundershowers. Southerly winds 10-15 mph. High 89°, low 71°.

Weekend — Partly cloudy. Southerly winds 10-15 mph. High 90°, low 70°.



A bird's-eye view of Easterwood Airport and much of the B-CS area, as seen from the Texas A&M Aero club's plane. Texas A&M's nuclear reactor is in the lower right corner, above the trees. (Photo by Debi Blackmon)

Policy change will not affect Silver Taps

Texas A&M's Silver Taps observance will continue in its traditional form.

Dean of Students James P. Hannigan said a recent notice that the ceremony honoring deceased students would be limited to once a month was the result of a misinterpretation.

"As in the past, Silver Taps will normally be held on the day of the student's funeral, or as close to that date as possible," Hannigan emphasized.

The report of a change in the tradition stemmed from a faculty-staff-student study leading to adoption of new general procedures for flying campus flags at half-mast.

University officials said campus flags are often at half-mast many days each month in honor of retired faculty-staff personnel and, less frequently, for active faculty-staff and current students.

"It was felt the frequent lowering of the flag detracted from the significance of the gesture," Hannigan explained.

Officials also pointed out that with the rapidly expanding number of faculty-staff, both

retired and active, the trend was sure to continue.

The new policy calls for flying a portion of the campus flags at half-mast on the last Tuesday of each month to honor the memory of members of the faculty-staff in the Bryan-College Station area who have died during the month.

Hannigan said the center flag in front of the System Building will be flown at half-mast only on Memorial Day or by proclamation of the President of the United States. On any occasion when the center flag is flown at half-mast, the other eight smaller flags in the vicinity will not be flown.

The other three main flags on campus will be flown at half-mast on any occasion when the flag in front of the System Building is flown at half-mast, as well as on days when Silver Taps will be observed and on the one day per month designated for honoring deceased faculty-staff members.

Cards noting Silver Taps ceremonies will continue to be placed on the base of the flag pole in front of the Academic Building, with the ceremonies conducted on the Academic Building lawn that evening, the dean added.

Aeroclub seeks to serve flying buffs

By DEBI BLACKMON

Texas A&M's Aeroclub, the only flying organization in the Bryan-College Station area, is promoting hobby-flying this summer at Easterwood Airport for the many flying enthusiasts, providing special instruction rates and discount plane rentals for over 130 of its members.

"The Texas A&M Aeroclub began in May of 1969 when we started with ten people and one little determined Cessna 150 Sier-

ra, and we have grown in membership to 130, and our club now operates three aircraft," explained Eldon Oxley, president of the club.

The Aeroclub is not affiliated with the university, as is the Flying Kadets, presently a nonactive club. Membership in the aeroclub is limited to those connected with the university, including faculty, staff, all undergraduate and graduate students, their wives, and alumni.

A&M's Aeroclub is a self-supported, private club offering all branches of aviation study, including an instructor service and a discount plane rental.

Club members operate six home regional scanner units which monitor the club's planes, keeping track of those in active use. Some of the club officers started out two years ago as beginning pilots and have gone to the commercial pilot's level.

"The main aim of our club," Oxley explained, "is to provide a way in which more people interested in flying can afford to go out for an afternoon of flying, or maybe jump to Houston on a business trip, or put in their hours toward a higher level licence."

Besides handling the actual training of the student pilots, the Aeroclub sponsors a ground school for its members to teach the technical side of aviation.

"The ground school is good background for the student because it will give him a better understanding of what is going

on," explained Donald F. Weseli, chief flight instructor of the Aeroclub. "Although it isn't required in order to obtain a licence under Federal Aviation Agency (FAA) rules, we urge our students to take it."

In addition to the FAA rules and regulations, the Aeroclub requires a yearly check flight with a qualified instructor to make sure the pilot hasn't picked up any sloppy or dangerous habits during the year.

"The main thing is the student's safety, so we try to give them as much experience in actual flying and flying problems as we can," added Oxley.

During the training session, the instructors, including Jerry La-Boyd, John Richardson, Don Little, George F. Kerkhoff, Dean Eveslage, and Mrs. Imogene Chamberlain—the only woman instructor—dream up some pretty interesting problems.

"An instructor may blindfold a student and give him the controls a few hours later, telling the student to take him home. So far,

we haven't lost anybody or had anyone seriously injured, so I think the students' record stands for itself," Oxley added.

Participating in flying meets is another of the club's outside activities. In May of 1970, several club members attended a 10-day Intercollegiate Fly Meet in Bosmon, Mont., where Frank Gertson brought back the navigation trophy.

"Right now, we are debating sending two of our lady members to a Powder Puff Derby competition," Oxley said. "Next year we will be competing with all three of our planes."

The Aeroclub owns three aircraft at Easterwood Airport. The two small planes are Cessna 150s two seaters which are used as the training planes, and the larger one is a Cessna 172 which will seat four and is used for the longer distances like the cross country flights.

"In the near future," Oxley said, the club plans to buy a faster plane to meet our growing member-

(See Aeroclub, page 3)

Student 'marries' jet engines

Shortcoming of the ramjet at subsonic speeds and turbojet above twice the speed of sound led a Texas A&M student to study combining the two air-breathing engines.

George W. Walton of San Antonio says he believes the two

powerplants can be fused into one, providing an aircraft the advantages of both.

"The ramjet and turbojet are complimentary," Walton said. "It is possible they could be combined, with each overcoming the other's shortcomings."

The senior aerospace engineering major said that such a "marriage" would enable a plane to fly high and fast or cruise efficiently at subsonic speeds.

Ramjets are most efficient at high altitude flight above Mach 2.5 (two and a half times the speed of sound) but cannot operate at power levels suitable for take-off, low-altitude maneuverability and landing, Walton noted. The afterburning turbojet operates with increasing inefficiency above Mach 2.

Walton's mating of the two engines places the turbojet in front of the ramjet, with two pairs of movable doors. One door on a bulge at the junction-point of the engine would remain shut for turbojet operation and open to supply air for ramjet operation.

A nose door opens for turbojet propulsion and closes when the ramjet is used. The 1967 San Antonio Highlands High School graduate diagrammed the engine so that the ramjet could be used as an afterburner for the turbojet.

After establishing minimum turbojet size for take-off, cruise and landing, level flight ceiling of the plane must be considered

Good weather a boon to campus building

Good weather and a minimum of material and labor problems have Texas A&M University's major building program on schedule, reports Charles E. Brunt, assistant manager of construction.

Brunt said the 320,000-square-foot Engineering Center will be completed this fall, with some parts of the building ready for student and faculty use by the start of the fall semester Aug. 31.

The Engineering Center is the first building in the program scheduled for completion. Construction is in progress on seven other major buildings, with completion ranging from next summer to the spring of 1975.

Brunt said \$63.7 million in other

projects includes the Memorial Student Center expansion, auditorium and conference complex; Oceanography and meteorology Building; 1,000-student dormitory complex; Educational Television Building for KAMU-TV; eight-story office and classroom building; Chemistry Institute Annex; and utility expansion.

He gave the following summary on each project:

—Engineering Center. Scheduled for completion in the fall of 1971, the four-floor and basement structure will cost an estimated \$10 million.

—1,000-student dormitories. To be used by both male and female students, the 270,000 square feet include four floors of student rooms and a two-story commons building. Scheduled completion is the summer 1972 at a cost of \$8.5 million.

—Educational Television. This one-floor, 17,000-square-foot building will house A&M's educational television station KAMU-TV. Scheduled for completion in the summer of 1972, the building will cost \$600,000.

—Oceanography - Meteorology Building. A 15-story structure with 100,000 square feet built for \$7.6 million. It will be completed by the fall of 1972.

—Office - Classroom Building. Scheduled for completion in the fall of 1972, the eight-story building has 114,000 square feet. It houses faculty offices and classrooms. The cost is \$3.6 million.

—Chemistry Institute annex. The \$4 million addition has five floors and 77,000 square feet.

Completion is scheduled in the fall of 1972.

—Auditorium and Conference Complex. Built on the former site of Guion Hall, the complex includes an 11-story conference building and three auditoriums seating 2,500 persons, 750 and 250. Scheduled for completion in the fall of 1973, it will cost \$10 million.

—Memorial Student Center expansion. The MSC expansion will be completed in the spring of 1975 at a cost of 8.5 million. The two-story and basement structure includes 94,000 square feet.

The university also has over a half-million dollars in minor building projects now under construction.

Projects estimated to cost \$20 million are currently in design stages, Brunt said.

They include a student health center, athletic dorm, two-story classroom building, College View Apartments, utilities expansion, Easterwood Airport resurfacing, Texas Maritime Academy dorm and dining hall and a forestry field laboratory.

KAMU to air CS candidates Friday at 8:30

The KAMU-TV News and Public Relations Department and the League of Women Voters Friday at 8:30 p. m. will present Meet the Candidates for the Tuesday College Station special election.

Four candidates, Ed Miller of 504 Guernsey, Eldon W. Oxley of 510 First Street, C. A. Bonnen of 201 Lee and J. D. Lindsay of 1029 Walton, are seeking the two places vacated by College Station Councilmen Cecil B. Ryan and C. H. Ransdell.

The meeting, open to the public, will take place in the Channel 15 studios at Bagley Hall.

The format will be the same as past Meet the Candidate programs. Each candidate will be allowed a limited time to speak to the group, followed by a question-answer session.

The program, which will be shown to viewers live Friday night, also will be taped for rebroadcast Monday at 10 p. m.

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

6,500 attend first summer session here

First-session summer enrollment at Texas A&M University is 6,507, up slightly from the same period last year.

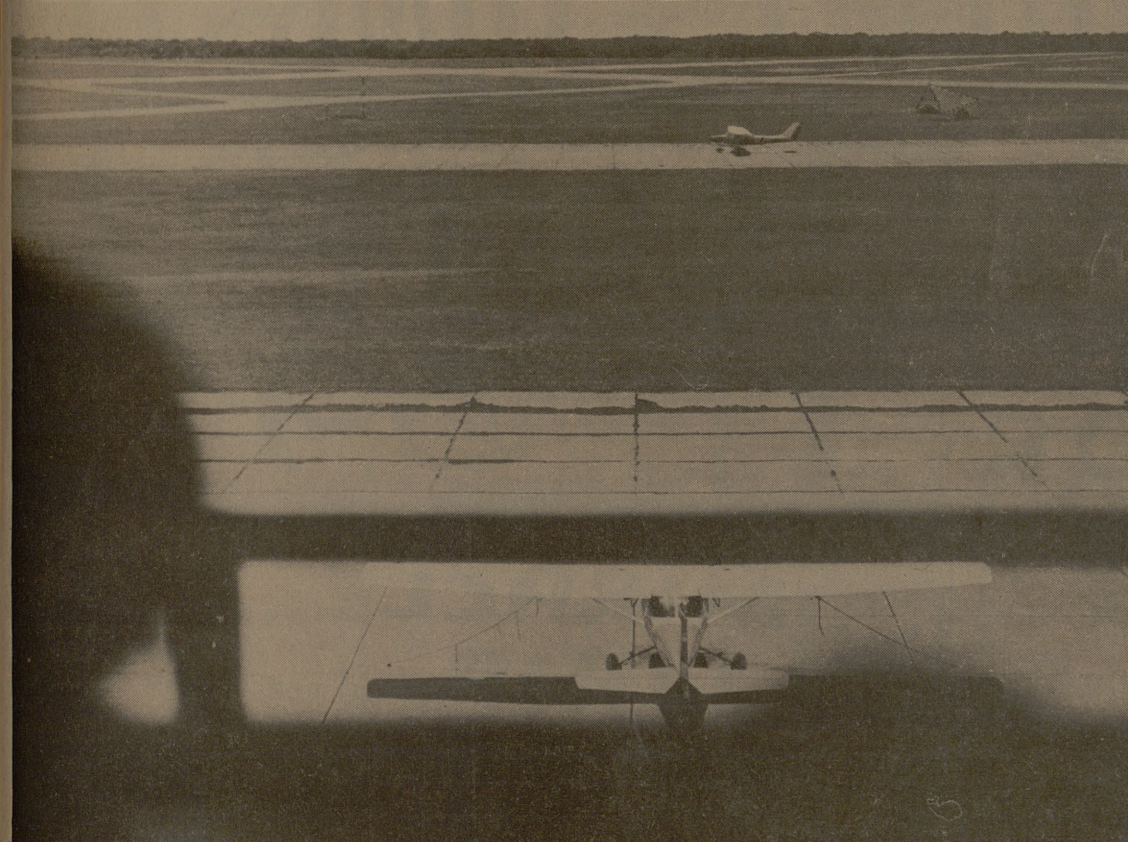
Registrar Robert A. Lacey said enrollment on the main campus totals 6,137.

The Texas Maritime Academy, currently on its summer cruise, registered 159 students, including 89 in the "Summer School at Sea" program.

The Texas A&M Adjunct at Junction has an enrollment of 141 and the Marine Laboratory at Galveston, 70.

Included in the total enrollment are 1,144 women.

Enrollment for the first summer session last year was 6,460.



Easterwood Airport again, this time as the men in the control tower see it. (Photo by James Hopkins)