



The Battalion

Saturday — Partly cloudy, winds southerly 10-15 m.p.h. High 86, low 68.
Sunday — Heavy thunder showers, early morning and late afternoon, winds southwesterly 10-15 m.p.h. High 84, low 70.
Kyle Field, Saturday — 81°, low 65.
Winds South - Southeasterly, 10-15.

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Number 481

Civilians Approve University Dance

A proposal to hold an all-university dance October 28 after the Baylor football game was approved Thursday night by the Civilian Student Council.

Council, said tentative plans call for free admission to civilians who have paid their student activity fees to their dormitory presidents. Venator explained that this \$2 charge was similar to the \$5 "outfit fee" paid by all members of the Cadet Corps.

CIVILIAN students who have not paid their activity fees and all Corps members will be charged \$1.00 whether they bring a date or not.

Neal Ford and the Fanatics will be the feature attraction of the affair and will probably perform in Sbsa Dining Hall.

Doug Ferrata, chairman of the Memorial Student Center Dance Committee will aid the Civilian Student Council in publicizing and managing the all-university dance.

In other council business, Tom Osborn, a civilian member of the Bonfire Committee, asked for a unified civilian effort in building the 1968 Aggie bonfire this November. He requested each dormitory president organize "dorm work teams" to be used especially during the critical weekend of Nov. 17-19 when the Cadet Corps will be in Houston attending the Rice game.

OSBORN ALSO asked for help in obtaining needed trucks, cranes and chainsaws.

The absence of a flag in the Sbsa area quadrangle was also discussed by the council. Venator appointed a committee to either request the housing office to make sure a flag is flying every day or else establish a system by which the civilian dormitories could assume the responsibility.

THE COUNCIL also aired a number of student grievances. Councilmen questioned the present system of lighting and allotting parking lots. They expressed displeasure at the levying of fines for turning in laundry late and the closing of Sbsa Dining Hall in the evening before intramurals were over.

Venator reminded councilmen that Oct. 13 was the last day that dormitories could file for recognition with the Student Finance Office in the MSC.

He also announced that the Menu Committee, appointed to voice student grievances and suggestions to the dining hall staff, was to meet with Col. Fred Dollar, director of food services today at noon.

Football, 'Standells' Act Head Weekend Schedule

Tessie Hopefuls To Visit Campus

The A&M-Florida State football game, a Town Hall performance by "The Standells" and the presentation of candidates for Aggie Sweetheart will highlight an activity-filled weekend here.

Kyle Field will be the scene of the Saturday night clash between the three-times defeated Aggies and the Florida State Seminoles who tied Alabama but have yet to post a victory. A crowd of from 30,000 to 35,000 is expected.

THE FOURTEEN candidates for Aggie Sweetheart are due to arrive at the Memorial Student Center at 3 p.m. Friday. Activities scheduled for the candidates include the Town Hall performance, Midnight Yell Practice and the Florida State game. The Sweetheart candidates will be presented to the student body at the Friday night Town Hall performance.

"The Standells" will bring their unique sounds to the A&M campus for the 8 p.m. Town Hall performance Friday. "Dirty Water," the "Standells' first hit, will be included in a program of guitar, organ, and drums.

Midnight Yell Practice will be held in Kyle Field Friday. A change in the band's route to the stadium was announced.

THE PROBABLE ROUTE of the band will be from the Duncan dormitory area north up Military Walk to Old Main Drive which runs between the YMCA and Richard Coke Building. The procession is expected to turn west onto Old Main and pass the Grove outdoor theater before entering Kyle Field for the yell practice.

The Corps of Cadets will participate in a stand-by inspection of dormitory rooms by military officers from 7:30 to 10:30 a.m. Saturday. Visitors can take advantage of the opportunity to see the dormitory rooms during an open house to last from noon till 4 p.m.

SWEETHEART CANDIDATES will enter Kyle Field by 6:30 p.m.

Saturday to view the march-in of the incomparable Corps of Cadets prior to game.

A new seating arrangement will be used for this week's game. The new arrangement calls for the fish to occupy sections 120-124, sophomores, 125-127, juniors, 128-130, corps seniors and the band, 131-132, civilian seniors, 133-134, and graduate students in 135-137.

The halftime performance of the Aggie band will feature a salute to members of the new Texas Aggie Band Association. The drill during Saturday's halftime will include an 80-yard-long "Hi Bandmen" with letters 10 yards high.

Win or lose, the Aggies have planned many parties and dances after the game, sponsored by several groups ranging from architecture students to hometown clubs.

For those who survive the first half of the football weekend, John Ciardi, noted columnist, author, and poet, will lecture in the MSC ballroom Sunday at 3 p.m. "What Good is a College?" will be the topic of discussion presented by the former host of CBS-TV's weekly show, "Accent."

USDA Plans To Build Labs Near Campus

Representative Olin E. Teague and Senator Ralph Yarborough have announced that the General Services Administration will accept bids Oct. 19 and open them Nov. 28 for construction of two U.S. Department of Agriculture laboratories at Texas A&M.

The facilities are the \$3.25 million Southwestern Veterinary Toxicology and Livestock Insect Research Laboratory and the \$700,000 National Cotton Disease Research Laboratory.

Teague said the toxicology laboratory will be the largest of its kind in the United States. Most of its research will be centered on toxicity of chemicals (including pesticides) used in agriculture that affect livestock. Other activities will be development of chemical and non-chemical methods of livestock insect control.

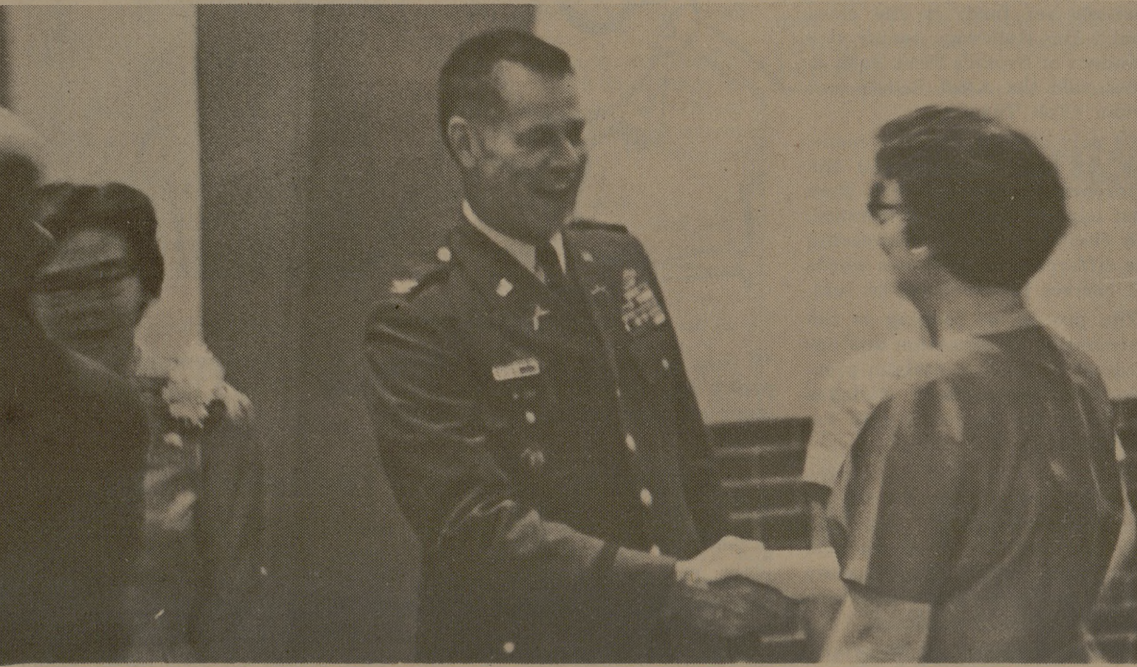
The cotton disease laboratory will study diseases of that crop in all the nation's production areas.

The laboratory will consist of two main buildings and 12 smaller buildings to be built across the road and south of the A&M Dairy Center and north of the College of Veterinary Medicine complex.

Matthews and Associates Architects and Engineers of Bryan designed the structures. The General Services Administration is in charge of federal buildings and their construction.

Dr. R. D. Radeleff, director designate of the toxicology laboratory, said construction of the two labs is expected to start in December.

He said advance staff members of the toxicology unit, in addition to himself, are Dr. R. H. Singer and Dr. H. E. Smalley, research veterinarians, Dr. Ivan Berry, research agricultural engineer; and R. L. Rogers, general engineer for the overall complex.



FACULTY-STAFF RECEPTION

Col. J. H. McCoy, commandant of the Corps of Cadets, welcomes faculty members during Thursday's faculty-staff reception in the Memorial Student Center. President and Mrs. Earl Rudder were hosts for the annual fall event, which honored all new members of the faculty.

Many Scientists Needed In Petroleum Exploration

The petroleum exploration and producing industry needs the talents of scientists of a wide number of disciplines—from architects to oceanographers.

Acceleration of technology, demand for petroleum products and the industry's movement into new frontiers have developed the diversified need, according to G. E. Nevill of Houston, Texas A&M Engineering Lecture Series speaker.

"From 1918 to 1965, the world's production of crude oil has increased from a half billion to more than 10 billion barrels a year," the Cameron Iron Works staff engineer noted.

SINCE 1859, when Col. Edmond Drake drilled to find oil the first time and punctured 69½ feet of the earth's surface, man's drilling ability has multiplied 350

times or more, to 23,800 feet, depth of a Pecos County producer.

Problems have multiplied at a faster rate, Nevill indicated in his address, "From Titusville to Cook Inlet—The Evolution of the Oil Well Drilling Industry and the Outlook for Engineering Responsibilities."

In the engineering series inaugural, Nevill briefly traced technological developments in drilling, from Drakes cable tool rig to hydraulic rotary methods employing three-cone bits with tungsten carbide-coated cutting teeth.

THE EARLY driller had a throttle and brake. Now he has controls for the engine, weight on the draw works and bit, drill stem and bit r.p.m., fluid pit capacities and levels, pump pressures, casting pressure, mud weight and viscosity and gas within the returning mud," Nevill described.

Future possibilities include enclosed pressurized rigs on the ocean floor, away from wave action and weather.

"Ordinary development has produced numerous inventions," the speaker noted. "Break-throughs enabling rapid progress include the roller rock bit, research in physics and chemical properties of drilling fluids and hard-facing on bits," he noted.

Equipment, technology and overall sophistication of drilling and producing suggest areas for research and development, Nevill added.

HE LISTED mechanics of soil and rock failure, underground

pressure gradients, increased power at cutting and drilling faces, sensing capabilities of conditions at the drilling point, ways to control the tool at the bottom, research of physics and chemical properties of drilling fluids "where only a start has been made," salvage of contaminated land, disposal of wastes, new approaches of offshore drilling—surface and bottom, studies of nuclear methods and new materials and mechanical processes with "corrosion and corrosion fatigue now a critical area"

Nevill said the industry can use the ideas of chemists, mechanical, aerospace, agricultural, petroleum, nuclear, electrical and chemical engineers, geologist, metallurgists, oceanographers, and architects.

Aggie Takes 'Smooth Ride' During First Solo Flight

Alan C. Jaeckle of Covina, Calif., became the first Air Force ROTC student to solo in Texas A&M's Flight Instruction Program.

"It was real smooth," grinned the fifth-year architecture major

as he climbed out of the Cessna 172 at Easterwood Airport.

Jaeckle was congratulated upon completion of the five-minute solo flight by his instructor, Jack Taylor of Texas Airmotive and A&M Aerospace Studies Depart-

ment officers headed by Col. Vernon L. Head.

Texas Airmotive contracted with the Air Force for in-flight instruction.

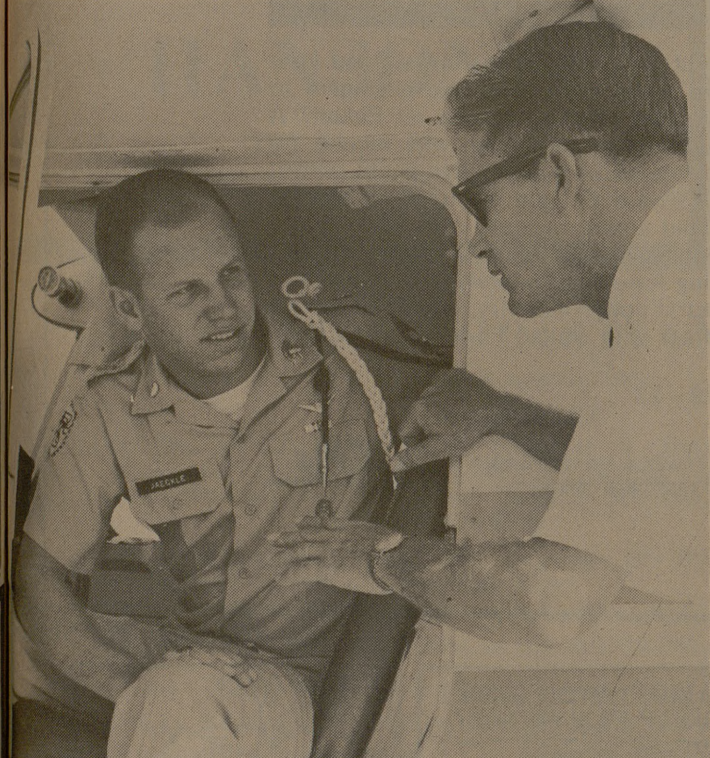
TAYLOR said others of the fall semester 46-student FIP group will be soloing soon. Jaeckle accomplished the circuit of Easterwood's pattern twice by himself after five hours of instruction, but he had previous flying experience.

Maj. Deward Johnson, FIP ground school instructor, said a new student pilot normally solos after about 10 hours. The program consists of 20 hours ground school and 36½ hours airborne instruction, dual and solo.

Jaeckle flew earlier in California, when his father, Robert H. Jaeckle, 324 Lombard, Pomona, was taking flying instruction. The student actually soloed for the second time, having completed all instructional requirements in California except a final check ride for his private pilot license.

THE A&M student now has 45 hours flying time.

FIP is designed to assist the Air Force in screening future fighter and bomber pilots, for a lower washout rate among trainees. The program can lead to a private license if the student completes the Federal Aviation Agency written examination and check ride, which are not included in FIP.



DOWN SAFELY

Completing the first solo by a Texas A&M student in the university Air Force Flight Instruction Program, Alan C. Jaeckle of Covina, Calif., goes over points of the flight with instructor Jack Taylor. Jaeckle, a fifth-year architecture major, is one of 46 A&M AFROTC students in the fall program.

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

No Rain Seen For Saturday

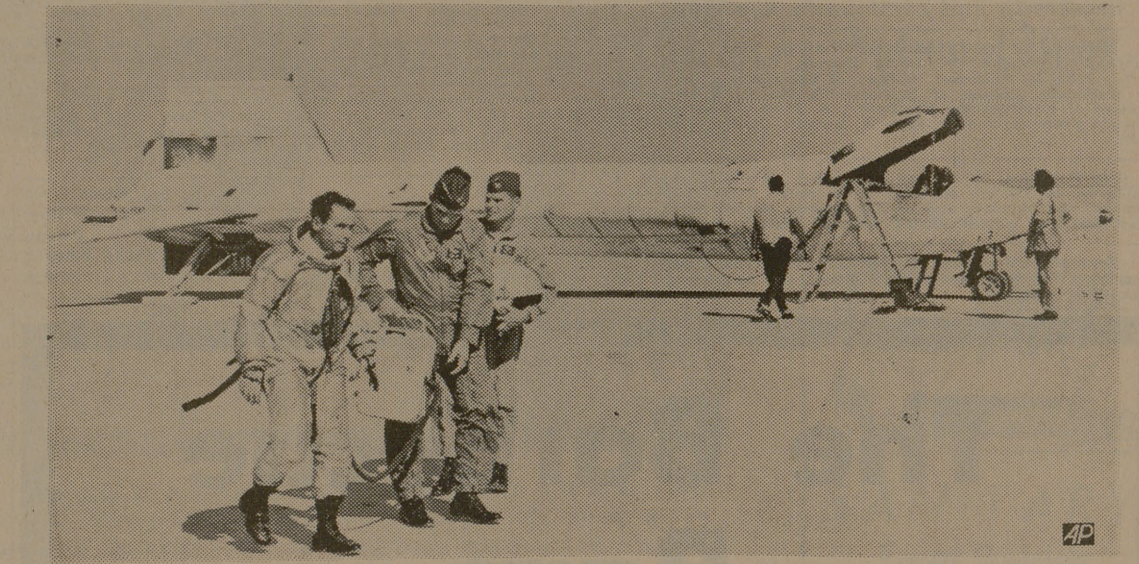
The weatherman is smiling on the Texas Aggies.

Early week forecasts for the weekend carried a possibility of rain showers for the 7:30 p.m. Saturday football contest between A&M and Florida State on Kyle Field.

An updated forecast for Saturday and Sunday by the A&M Weather Station removed the precipitation prediction. Jim Lightfoot, station manager, said the skies will be cloudy for the morning and partly cloudy in the afternoons.

"There's a slim chance of thundershowers Sunday," he added.

The forecast for kickoff time is 81 degrees, 65 per cent relative humidity and winds south-southeast at 10 to 15 mph.



AFTER RECORD SPEED FLIGHT IN CALIFORNIA

Air Force Maj. William J. Knight, left, walks away from X15 at Edwards Air Force Base in California after flying the plane at a record speed of 4,534 mph. Knight also held previous record which was 4,250 mph. (AP Wirephoto)

Astronaut Killed In Crash

TALLAHASSEE, Fla. (AP) — One of the nation's astronauts, Marine Maj. Clifton Curtis Williams Jr., was killed Thursday when his T38 jet plane smashed into a wooded area near the Florida-Georgia border and exploded.

The National Aeronautics and Space Administration said Williams was alone in the craft when it plunged to earth and disintegrated.

Air Force Maj. Joe Johnson of Moody Air Force Base, Valdosta, Ga., said Williams' body was recovered by members of a Moody helicopter crew that arrived after getting Mayday call from Williams.

Maj. Johnson said only shredded wreckage was found at the bottom of the 15-foot crater dug by the crash impact. The crash-

site is about 20 miles northeast of Tallahassee.

Williams, 35, who liked to be called "C.C.," by his fellow as-

tronauts, was en route from Patrick Air Force Base near Cape Kennedy to Brookley Air Force Base, Ala., near Mobile.

Camera Club Plans Slide Program

A slide program on the capabilities of color film and a two-division slide contest will highlight a Camera Committee meeting Monday.

The 7:30 p.m. meeting will be in Rooms 3B and 3C of the Memorial Student Center, announced committee chairman Frank Tilley of Jacksonville.

The 45-minute program, "How Anochrome Works," includes photos showing different light conditions under which the film works. Beginners and advanced slide

contests will complete the program. The winning slide in the novice division will compete in the advanced division, noted Dale Bolyard of LaMarque, program chairman. The top four slides will be entered by the committee in Gulf States Camera Clubs Council competition.

Tilley said only a brief business session is planned.

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