



The Battalion

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All Faiths Chapel Sits In Moonlight Splendor

All Faiths Chapel sits bathed in artificial moonlight, a gift of R. Wofford Cain of Dallas. The mercury vapor lights are set flush into the ground and are strategically placed to create the illusion of moonlight.

Early Arriving Aggies Scheduled To Attend Preliminary Meetings

Monday will see the first students arriving back on campus to prepare for the fall term. By Sept. 14 all enrollees, new and old, should be registered.

The first students back will be those arriving up to a week early in order to attend preliminary conferences.

Approximately 125 cadet officers will commence Monday a busy week of final planning for cadet units and the new academic year. The traditional commandant's reception with a long list of campus officials invited is set Monday night.

On Wednesday freshman students will arrive to attend New Student Conferences. These conferences are for those incoming freshmen who were unable to attend the special summer sessions. The welcoming program begins that evening with a barbecue supper.

The new students will have completed registration Wednesday and other students will start registration at 1 p. m. Thursday. Registration will end at 5 p. m. Friday.

Saturday the cadet units are to complete their organization and classes begin Monday (Sept. 14) at 8 a. m.

The first general assembly for all new students is scheduled at 7 p. m. Wednesday in G. Rollie White Coliseum with A&M President Earl Rudder to give the welcoming address. The freshmen also will be welcomed by the Student Senate president and a former student, Searcy Bracewell, Class of 1938. Bracewell is a Houston attorney and a former state senator.

A hootenanny led by Robert Boone of the Memorial Center staff will complete the program planned by the New Student Committee headed by Assistant Dean of Engineering C. H. Ransdell.

The freshmen meet with their respective academic colleges Thursday morning, hear Dean of Students James P. Hannigan that afternoon and observe "church night" Thursday night. Campus area churches plan open houses following the general assembly scheduled at 7 p. m.

The freshmen attend their first cadet unit meetings Friday with an open house that night at the Memorial Student Center.

Services Held For Counselor Robert Murray

Funeral services for Robert O. (Bob) Murray, Jr., 49, longtime student counselor at A&M University, were held Monday afternoon with burial in the College Station Cemetery. He died Saturday afternoon after a heart attack at the family residence, 824 North Rosemary in Bryan.

Services were held from the Memorial Funeral Chapel with the Rev. Walter McPhearson, pastor of the A&M Methodist Church, officiating.

Murray was an A&M graduate and decorated veteran of World War II who joined the staff 18 years ago. Through the years he had counseled thousands of students. He also served as advisor to the Civilian Student and Married Student Councils.

Murray was a past president of the Texas Association of Student Personnel Administrators, served currently as vice president of the Brazos County A&M Club, was a member of the official Board of the A&M Methodist Church and a Mason.

He was a recipient of the Faculty Achievement Award given by the Former Students Association for outstanding service.

Survivors include his wife; two sons, Clark Scott and Robert O. Murray III; two daughters, Cynthia Anne and Marilyn Jane; his parents, Mr. and Mrs. Robert O. Murray, Sr., of Pinedale; and four sisters.

Honorary pallbearers included Chancellor M. T. Harrington, and A&M President Earl Rudder.

Active pallbearers were W. L. Penberthy, James T. Chapman, Herbert Shaffer, Ray Oden, R. E. Leighton and Lelvie Gayle.

Murray graduated from Pinedale High School and held the B.S. and M.S. degrees from A&M. He received the bachelor's degree in 1943 before going on active duty as an infantry lieutenant.

YMCA Camp

A&M University students from Corpus Christi and Richardson are participating this week in the YMCA National Student Council meeting at the YMCA College Camp near Williams Bay, Wis. The weeklong sessions end Saturday.

A&M "Y" President Donald R. Warren is attending special sessions for incoming presidents of collegiate YMCAs.

Latest Budget Seeks Raise For Profs

Hearings are presently being conducted in Austin on a A&M University budget request that would, if approved, raise a full professor's salary from \$10,506 to \$13,931 by the end of fiscal year 1967.

The State Appropriations Committee is hearing the proposed 1965-67 budget request that totals \$14,795,205 the first year and \$15,383,481 the second. A&M President Earl Rudder, and Tom Cherry, director of business affairs, are among university officials attending the hearings.

To date the average full time A&M faculty salary is \$8,052 according to the Commission on Higher Education. The 1962-64 average faculty salary for all ranks in the U. S. was \$9,646 for a 10 month tenure compared to \$7,740 over-all in Texas.

Other requests in the proposed budget include \$582,077 for organized research in 1965 and \$132,000 for annual reactor research.

The budget request for the two year period is also intended to provide for the establishment of a college of geosciences composed of the departments of oceanography, meteorology, geology, geography, and geophysics.

Also proposed are doctoral programs in education and agricultural education and a school for natural bio-sciences in the college of agriculture.

The new programs are yet to be approved by the Texas Commission on Higher Education.

Earlier in the year the governor's Committee on Higher Education made recommendations as follows:

Establish 18-man coordinating board to guide junior and senior colleges, replacing the Texas Commission on Higher Education and assuming some functions of Texas Education Agency Powers include:

Recommend, approve and initiate policy.

Rule on school's requests to modify role and scope.

TU Graduate In Psychology Joins Faculty

Dr. Carole C. Golightly who received the doctorate in psychology this summer from the University of Texas has joined the A&M University faculty as an assistant professor of psychology. The appointment was announced by Dr. Paul R. Hensarling, head of the Department of Education and Psychology.

Golightly served as an instructor at the University of Texas while studying for the doctorate. She attended San Antonio College and then completed undergraduate studies with honors at the University of Texas in 1961.

Her doctoral dissertation was entitled "The Reinforcement Properties of Attitude Similarity: Dissimilarity."

A&M University Scientists Developing Weather Buoys

A&M University researchers are parts of a national team aimed at ending the paradox of man routinely receiving detailed reports from satellites far in space while little is reported daily on weather and sea conditions across vast reaches of the ocean.

There are many reasons for wanting to end the paradox.

Research Scientist Roy D. Gaul here and four other men across the nation form the guidance committee for an Office of Naval Research sponsored project to develop long-range telemetering buoys capable of automatic operation while moored far at sea. The other representatives are from the Scripps Institution of Oceanography in California, the Marine Laboratory, University of Miami, Ocean Engineering Corporation and the U. S. Navy Oceanographic Office.

Gaul attended the recent launching at Jacksonville, Fla., of the first prototype buoy and a second will begin tests late this year off the West Coast.

"These buoys will have 100 channels for gathering, storing and sending oceanographic information ranging from wind velocities at

the surface to water temperatures thousands of feet below the surface," Gaul said. "It is planned to query the buoy every six hours and collect all the information accumulated, but the buoys are to be operational for a year."

The 40-foot, discus-shaped buoys were designed by the Convair Division of General Dynamics. Design requirements include the ability to weather 60-foot waves, 10-knot currents and 150 - knot winds—all while floating on the surface where depths exceed 20,000 feet.

Gaul has worked extensively in the field of telemetering oceanographic data as part of a A&M project at Panama City, Fla. The Office of Naval Research heavily sponsors this project involving the use of two Navy-built platforms in the Gulf of Mexico. Biological and other studies are made in addition to the physical oceanographic.

Among the Panama City projects of special application to the long-range telemetering buoy program, Gaul said, is study of the biological fouling of instrument sen-

sors through the natural growth of algae, barnacles and such.

Gaul and Norman G. Vick, another A&M researcher, have studied for 18 months the growth of these organisms on plastic test floats at various depths in offshore waters of the gulf. Dr. Willis E. Pequegnat joined the project recently to handle laboratory analysis.

"Nothing of this kind has been done before so far as we know," Gaul said. "We're finding that between the various stations (positions) the biological regime is quite different. There also is vertical segmentation meaning that the water varies considerably at different depths."

Researchers Plan To Take Ocean's Skin Temperature

A&M University researchers plan to take the temperature of the ocean's skin, as scientists call the top four-thousandths of an inch layer of seawater, in the area from Surinam in Northeastern South America to Bermuda and then into the Gulf of Mexico.

While Dr. Guy A. Franceschini checks the skin temperature and takes other meteorological observations, Dr. S. Z. El-Sayed will collect small biological organisms. The biological work is both to study correlations between solar energy and marine life and to extend A&M's already far-ranging studies of biological productivity.

"The thin top layer of the sea is a sort of gateway through which all energy has to pass," Franceschini explained. The exchange of

energy through air-sea interaction is vastly important to the world climate and other factors of life.

"Right now we don't know too much about it and probably won't for a number of years," the A&M professor said.

Franceschini has checked the ocean skin's temperature in Antarctica aboard a Russian research vessel under a U.S.-USSR scientist exchange program and in other areas of the world ocean. The Office of Naval Research sponsors his continuing study.

Often the temperature of the thin top layer of water is almost a degree different from that of water a foot beneath the surface. But Dr. Franceschini found in Antarctica during a rainy period

an almost 10-degree difference in temperatures between the surface and water a foot below the surface.

A key instrument in measuring the skin temperature is a radiation thermometer mounted on the bow of the ship. The optical device never touches the water but gives a continuous reading of the temperature.

Safety Association Issues Death Alert

The Texas Safety Association has issued an "Accidental Death Alert" for the Labor Day holiday week end and urged Texas drivers to display "caution" and "courtesy" in their driving.

"Caution and courtesy will take you a long way in the hazardous traffic this week end," Quincy V. Tuma, of Houston, TSA President, said.

He said drivers must put all their driving skills to work for them, be prepared for the unexpected actions of other drivers, and adopt a proper driver-attitude to stay out of trouble in traffic.

"Drivers must not only apply their driving skills and be on the alert for hazards, they must also maintain a proper attitude at all times behind the wheel," he explained.

"Your driver attitude about your own driving and that of other drivers has a profound effect on the possibilities of your being involved in an accident. So treat other drivers the way you want to be treated — with courtesy."

The TSA "Accidental Death Alert" goes into effect at 12:01 a.m. Saturday, Sept. 5, and ends at 11:59 p.m. Monday, Sept. 7. The period coincides with "Operation Motorcade," the tabulation of Labor Day traffic deaths by the Texas Department of Public Safety. The TSA alert also in-

cludes other accidental deaths.

"Non-transport accidents also take their toll during holidays," Tuma noted. "And, the Labor Day holiday is especially hazardous in the areas of recreational safety."

He said special precautions should be taken to prevent swimming and boating accidents.

Library Hires Specialist

The A&M University library system Tuesday joined the limited ranks of academic libraries with a full-time data processing specialist. The appointment of Bruce W. Stewart, an A&M graduate, to the newly-created post was announced by Library Director Robert A. Houze.

Stewart is believed to be the first data processing specialist working full-time on the staff of an academic library in the Southwest. He is a Seguin High School graduate whose parents now reside in Del Rio.

"The basic goal is to perform by machine as many mechanical operations as possible, so that our personnel can be released for other professional functions," Houze said.

Stewart as a graduate student has spent almost six months study-

ing the problems of applying electronic computers to A&M library procedures involving the serials, the more than 6,000 different titles of magazines and other periodicals catalogued in the library system.

Houze hopes data processing techniques may be applied later to the circulation of books, then to the acquisitions procedures and finally to preparing a catalogue of all the holdings in the A&M libraries.

The project involves close cooperation between staff members of the library system and those of the Data Processing Center headed by Robert L. Smith, Jr. A&M's nationally-known electronic computer facility already has been used for such varied research as space, medical and engineering projects. "There are a few academic lib-

rarians in the country which have the services of a full-time computer specialist," Houze said. Among them are the University of Illinois branch at Chicago, University of Southern California at San Diego and Colorado State University.

The application of data processing techniques in an effort to relieve librarians of menial tasks and at the same time provide improved services is a fast developing field, he pointed out.

"Most of the work that has been done in this field up to now has been done in small, special libraries such as those at medical schools," Houze continued.

A&M's planned use of electronic computers to solve many of the librarians' problems involving serials will make no difference to library patrons for sometime.



Water Fountain Bathed In Light

Another gift of Dallas residents was the outdoor lighting of the water fountain triangle across from All Faiths Chapel. John Watson, a A&M graduate and outstanding landscape illuminator, and Mrs. Watson provided the lighting improvements for the fountain and triangle.