

The Battalion

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Trucks Still Needed For Bonfire Work

Trucks are still needed for work on the 1969 Bonfire, according to head yell leader Sam Torn.

"All the trucks we have now have come from outside sources," Torn said, "construction companies and the like."

"In order to reach our goal of 105 feet, we must have more trucks," the Houston senior con-

tinued. "I think the students are doing a terrible job this year on helping get set up for Bonfire. It's theirs, and they need to work on it."

Chuck Holliman, Torn said, or himself "or anybody" should be contacted "as long as we get trucks."

The first sign of A&M's 1969

bonfire—the centerpole—will be erected Monday.

Construction of the gigantic Thanksgiving Day football game bonfire during the following nine days will follow a work schedule approved by A&M President Earl Rudder.

Undergraduate students will be permitted to work only during Nov. 22-24, the weekend and

Monday preceding the annual event, according to Dean of Students James P. Hannigan.

Graduate classes will not be dismissed and the period is not considered a holiday for university employees, he said.

Hannigan said junior and senior students who do not have afternoon classes may perform preparatory work on Nov. 13-14, 17-20 and 25, in addition to the Nov. 22-24 period.

Torn, in charge of the construction, said work has been organized to fit the schedule. Centerpole erection by Company D-2 and the tying in of core logs will take place next week.

Some preliminary cutting on Leo B. Margolian's land seven miles south of College Station on Highway 6 will be done during the week with the majority of it, loading, transporting and stacking the logs to be carried out Nov. 22-24.

Torn said Margolian's provision of a cutting area closer to the bonfire site than in previous years increases the possibility of the 1969 bonfire being "the largest ever."

Rudder requested the Commandant's Office, Accident and Fire Prevention Committee and the Firemen's Training School of the Engineering Extension Service to cooperate in safety aspects of the bonfire.

Bonfire yell practice, at which the stack of logs will be burned, is scheduled the night of Nov. 26, the day before the A&M-Texas football game on Kyle Field.

As Possible 'Death Ray'

A&M Prof, Student Find New Use for Microwaves

An A&M professor and one of his students may have concocted a forerunner of the proverbial "death ray."

They hope, however, their project will have beneficial medical applications.

The study involves radiation with microwaves modulated by the electrocardiogram (ECG) signal of the subject, a rat in the first series of tests.

Dr. A. J. Giarola, electrical engineering professor heading the project, emphasized the current work is very preliminary. He is being assisted by Glen D. Antweiler, senior from Longview.

"We simply wanted to see what

effect an ECG-modulated microwave would have on a live subject," Giarola explained.

They found that a low-powered (22.4 milliwatts) microwave beamed on the chest of a rat increased its heartbeat about two percent.

"If we can speed up or slow down the heart," Dr. Giarola observed, "it would have definite medical applications."

Although the professor now knows that microwaves can affect the heart, he still doesn't know how. He hopes subsequent experiments will provide the answer.

Giarola said a similar test was conducted in Pennsylvania with

the exposed heart of a frog. There also was an unconfirmed report in a national scientific magazine that a monkey was killed recently during a microwave experiment.

The A&M experiment differed drastically from the frog test in that the rat's heart had not been removed from the body, but rather was completely shielded by skin, muscle and bones.

Anesthetized for the experiment, the rat suffered no apparent ill effects. Its ECG was detected by applying positive and ground leads in the left leg and a negative lead in the right arm. The ECG signal was then used for amplitude modulation of the microwave beamed on the rat's chest.

"Much remains to be done before reasonable explanation may be presented for the observed phenomenon," Giarola admitted. "The single experiment provide us with only a limited amount of information, and the interpretation of the results is thus very difficult."

"The most positive result," he added, "is that the microwave used does have an influence on the ECG of the rat."

The professor said experimentation could conceivably progress to the point the heart could be stopped. With more power, the procedure could possibly be accomplished from considerable distance.

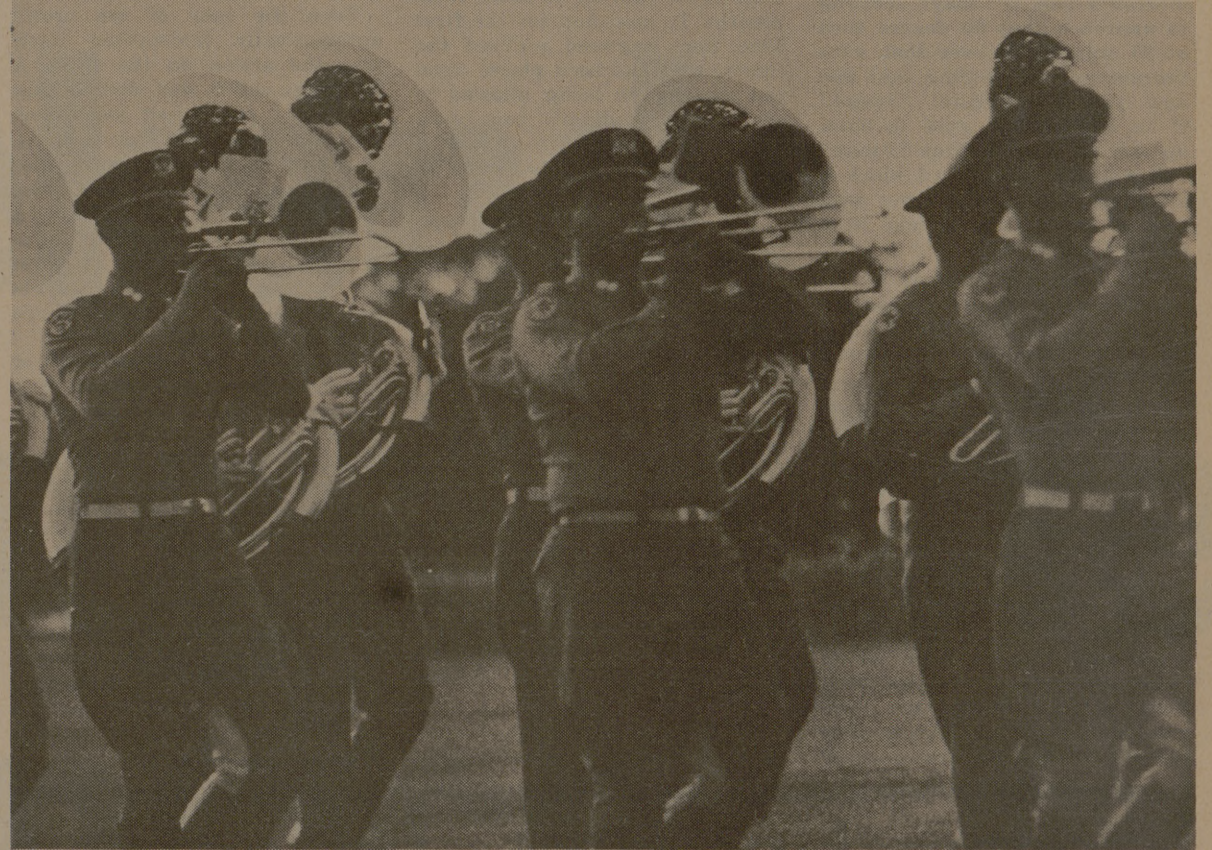
That, Giarola concluded, could be a "death ray."

WEATHER

Wednesday—Partly cloudy to cloudy. Afternoon rain showers, southerly winds 10-20 miles per hour. High 84, low 67.

Thursday — Cloudy. Afternoon rain showers and thunder showers, southerly winds 10-20 m.p.h. High 78, low 70.

Houston — Partly cloudy. Northeasterly winds 10 m.p.h. 70 degrees.



CONCLUDING CEREMONY

The Fightin' Texas Aggie Band, playing the Aggie War Hymn, lead the way toward the reviewing stand Tuesday afternoon in a Corps review held to salute the veterans who are students at Texas A&M. The event rounded out Veterans Day activities which included placing wreaths at war memorials around campus and observing a moment of silence at noon. (Photo by David Middlebrooke)

Veterans Day Marked By Review, Wreaths

Texas A&M's 3,000-member Corps of Cadets honored the estimated 1,000 veterans attending the university with a military review Tuesday, climaxing a full agenda of Veterans Day activities.

The A&M observance also included a minute of silence at noon, placement of wreaths on campus memorials and display of more than 100 American flags along the university's main entrance and around the parade grounds.

"We in the Corps of Cadets wished to express our appreciation to A&M's veteran student for their service to our country in

the proud tradition of our forefathers," explained Corps Commander Matthews R. Carroll, senior from Annandale, Va.

"This day," noted the message read during the review, "has been one for all Americans to pause and acknowledge with grateful respect and admiration the loyalty, honor and sacrifices of the veterans of the armed forces of our land."

"These men whom we honor today," the message continued, "symbolize the root substance of our corporate national personality, the ingredients of which are

idealism, self-sacrifice, faith, bravery, compassion and patriotism — not short, frenzied bursts of emotion, but long enduring love of country, firm holding and sure.

"They are the tested ones, the quiet power possessed of a reason that stabilizes our nation in tumultuous times, in moments of challenge and confrontation."

Col. Jim H. McCoy, commandant, was joined in the reviewing party by Medal of Honor winner Dr. Eli Whiteley.

Whiteley, a professor at A&M, won the nation's highest award for valor in World War II.

Corps To Begin Weekend With Parade in Houston

Houston's Main and Fannin Streets will showcase Saturday morning the A&M Corps of Cadets on one of its bi-annual Corps Trip football jaunts.

The 35-minute parade led by Cadet Colonel Matthew R. Carroll of Annandale, Va., will help set the stage for the 2 p.m. Texas A&M-Rice football encounter at Rice Stadium.

Thirty-one units of the 3,000-member Corps will assemble at 9 a.m. on Bell Street. Carroll, his staff and the Aggie Band turn onto Main at 10 a.m. to start the parade.

Army and Air Force units com-

prising the Corps will march north on Main, turn east on Texas and south on Fannin to return to the assembly area for dismissal.

Army Maj. Gen. Felix A. Davis, 75th Maneuver Area Command commanding general of Houston, will take unit salutes at Rusk and Main.

Others with Davis on the reviewing stand will include A&M President Earl Rudder, the university's board of directors and deans and Gen. George P. Munson, assistant district engineer of the Texas Highway Department in Houston.

Invited to be in the reviewing

party are Brig. Gen. Russell Guiteske, 446th Troop Carrier Wing commander; Col. Morgan Beamer, Ellington AFB commander; Houston Mayor Louis Welch and city councilmen.

Davis, 42, commanded Army Engineer units during World War II and the Korean conflict and has been with the 75th 10 years. The Houston native took command of the unit in 1965.

He served three years in the Navy as a seaman, attended the U. S. Naval Academy and was in the Aleutians and the China-Burma-India theater during WW II.

Chemist To Speak Here On Stress as Death Cause

Prof. Henry Eyring, renowned chemical scientist known for relating and applying scientific principles to the problems of everyday life, will speak Thursday at A&M on "Death From Aging, Cancer, Poisons and Other Stresses."

The 7:30 p.m. lecture in the Chemistry Building auditorium is open to the general public as well as A&M faculty, staff and students, announced Dr. A. E. Martell.

The Chemistry Department head noted Professor Eyring is visiting A&M this week as an academic consultant to the department's development project.

Eyring, distinguished professor of chemistry and metallurgy at the University of Utah, also will present a 3 p.m. technical lecture Friday on "Thermodynamic and Transport Properties of Liquids and Gases." It will be given in Room 231 of the Chemistry Building.

The professor has an outstanding international reputation for his research, attested by 450 publications and seven books. His chief interests are statistical

thermodynamics, applications of quantum mechanics to chemistry, theory of rates of chemical reactions and theory of fluid behavior.

A 1923 graduate of the University of Arizona, Eyring received his master's there the following year and the Ph.D. from the University of California at Berkeley in 1927.

He served on Wisconsin, California (Berkeley) and Princeton University faculties 18 years and moved to Salt Lake City in 1946. At Utah he was chemistry professor, department chairman and Graduate College dean until becoming distinguished professor this year.

Among numerous Eyring scientific and professional group memberships are the National Academy of Sciences, American Philosophical Society and scientific advisory board of the Robert A. Welch Foundation. The former American Chemical Society president also has headed the American Association for the Advancement of Science and served on the NSF national board.

Students, Administrators Work To Improve Laundry

By Dale Foster
Battalion Staff Writer

You are in your room, resting half-asleep atop the books on your desk. Your roommate returns from picking up his laundry, screaming something unintelligible about the type of service and cursing an imaginary figure.

"My laundry came back two days late, and I had a date for the football weekend."

"I am missing a button on one of my best shirts."

"They lost one of my socks somewhere over there."

"A pair of my jeans was misplaced, and I haven't gotten them back for over a week."

"The limit on the amount of laundry we can have is too low."

Those problems that are legitimate, and not just exaggerated, will find ready ears before members of the Campus Laundry Committee.

"We do have a procedure where any student with a complaint can take it up with the committee," noted Director of Management Services Howard Vestal. "We go to great lengths to try to remedy any problem the student may have."

"Anything we ruin or lose, we will assume responsibility for and will compensate the student," added Campus Laundry Manager George Hartsock.

The 10-member laundry committee is composed of Director of Civilian Student Activities Howard Perry, Assistant Commandant Maj. Edmond S. Solymosy, Hartsock, Vestal, and six students.

The student representatives are Robert Harding, Jack Holliman, and Albert Kinkead from the Corps of Cadets, and Alan Byrd, Gene Fisher, and Allen Mikulenak from the civilian student body. The two groups are appointed annually by Corps Staff and the Civilian Student Council, respectively.

"We have had the committee for three or four years," Vestal

said, "and it has worked very well. Our main problem is that many students don't know the committee exists."

"Hopefully, Mr. Hartsock can reconcile any matter that comes to his attention, but if the student is still dissatisfied, he can appear before the committee," he continued.

Vestal also emphasized that the student members of the committee make the decision on what is an appropriate compensation.

"In addition, we try to get at least one individual from each student group to serve on the committee the following year to provide continuity for the committee," he commented.

Vestal believed that the committee served two good purposes, "It represents the interests of students with regard to laundry, and they, in turn, have done us a favor."

"There is a lot of special treatment given to the students' clothing," he reported. "Two girls are hired just to sew on buttons,

and another does nothing but look for rips and tears."

He added that the laundry tries to hold the costs down for the student to give him his money's worth, noting that he felt that the users are given a tremendous bargain on the deal.

Pointing out that at many universities the laundry and other service facilities are contracted to private enterprise, he said that this results in higher prices for the students because the private businessman has to make a profit.

"Every month or so we price out a typical bundle at commercial laundries," Vestal continued. "Also, we authorized five more pieces in each bundle this year."

Hartsock said that the most recent survey was taken in September.

"We priced a 35-piece bundle at the laundries in College Station and downtown Bryan and the average cost was \$4.35. This compares to our charge to the student of about \$1.50," he related.

Filing Opens Thursday for Fish, BAs

Filing for freshman class officers and senators will open Thursday, announced Mike Wiebe, Election Commission vice president for publicity.

A junior Senate representative for the College of Business Administration will also be elected, he said.

"The last day to file will be Nov. 20," he said, "with elections scheduled for Dec. 10 and a runoff, if needed, on Dec. 17."

Applications for president, vice president, secretary-treasurer, social secretary and five senators at large can be picked up in the Student Programs Office from 8 a.m.-5 p.m. through Nov. 20, Wiebe said.

Polling places in the freshman election, he said, will be the basement of the Memorial Student Center, the newstand by Sbsa Hall and the guard room of dorm 2. The Business Administration representative election will be held in Francis Hall, room 152.

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