

Official Notices

Classified

LOST—Stetson Campaign Hat, Thursday night at yell practice. Size 6 3/4, Chem Warfare hatcord. Return to Frog Blume, room 405, Dorm 3. Reward.

FOR SALE—1932 Chevrolet 2-door sedan. Good motor and tires, with spare. See Moore or Rountree, H-3 Hart.

LOST—Brown leather billfold containing valuable personal papers, etc. \$3.00 reward. If found please return to Jack Carter, 218 No. 7.

FOUND—Near Dorm 16 of Field Artillery on Sunday morning a black and white terrier with a broken leg. Will the owner please either go to the Veterinary Hospital or come up to 426 No. 15 by Wednesday noon.

LOST In Waco at Roosevelt Hotel—Chocolate brown bag containing two serge shirts, jackets, and other valuables. Notify rooms 215 or 216, No. 14.

LOST—One khaki jacket with bright red lining. Was left in Room 119 Academic Building Oct. 22, 1942. Large reward. D. R. Woods, Walton-U-11, Phone 4-4024.

LEFT in brown suit case at East Gate Saturday, Oct. 10, \$15 reward. Notify L. R. Kainer, American Legion Hall.

LOST—A Kodak camera at East Gate Oct. 9. Please return to Project House No. 12, or phone 4-4479. Five dollars reward.

LOST—Log Log Decitrig slide rule, name F. D. Sharpe no case. Return to Sharpe, Room 119, No. 14. Reward.

LOST—Brown striped Schaefer pen. Please notify E. T. Page if found. No. 11-311, Phone 4-4534. Reward.

FOR RENT—Large bedroom connecting garage. Quiet. Available October 25th. Phone Dr. Hennessie, 4-5374 between 9 and 1.

Announcements

All students who wish to make applications for positions as tutors should apply at the Registrar's Office, H. L. Heaton, Acting Registrar.

NOTICE, NEW STUDENTS, School of Engineering—All engineering students who entered A.M. for the first time in September, 1942, are urged to meet with their counselor Wednesday evening, October 28, at 7:45 p.m. in the same room in which you met during Freshman Week.

CANDIDATES FOR DEGREES—Candidates who are applying for degrees under the special action as recently taken by the Faculty should call by this office and fill out special forms for this purpose at once. These forms are in addition to the regular application card. R. G. Perryman, Assistant Registrar.

THE FOLLOWING football program salesmen will meet in room 5, Adm. Bldg., Tuesday, Oct. 27, at 8:30: Evans, Bill; Parker, G. W.; Frederick, H. M.; Pickard, A. M.; Fritch, Jake; Sessums, T. E.; Graham, Clyde; Titworth, R. M.; Harrell, J. S.; King, Steve; Kiser, Carroll; Banks, W. F.; Longley, Joe Dan; Nelson, Roy; Nickolson, K. J.; Hutchinson, D. C.

I am in receipt of the announcement of 1943 fellowships offered by the Julius Rosenwald Fund to white Southerners who wish to work on some problem distinctive to the South and who expect to make their careers in the South. Candidates must be eligible to graduate study, and from 24 to 35 years of age. The grants are available not only to students of the natural and social sciences and the humanities, but to those interested in the fine arts, journalism, education, agriculture, business, or public service. Further information may be had

KYLE FIELD (Continued From Page 3)

24 aerials for a total of 271 yards... Two of those went for scores, one in the LSU game and another against Corpus Christi... Just before game time, Coach Norton indicated that the Aggies were never more ready to win a football game than they were against Baylor Saturday... But as luck would have it, it just wasn't meant for the Cadets to win that one... One good explanation for the current Aggie losses came from John Sidney Smith, popular sports editor of the Bryan Daily Eagle who said, "For three years now, Lady Luck has been on the A&M side, but it just seems that the law of averages has finally caught up with the boys... As you may remember, the Cadets received all the breaks last year, so it just wasn't in the books to garner them this year..."

Everyone of us knows that the Ags have the material and power to win games but it just seems that they haven't utilized that advantage yet... The Aggie Rifle team is preparing for a big week-end at TSCW the day before the SMU-A&M gridiron game... they have a shoulder-to-shoulder match with the femmes besides enjoying a picnic and a dance that same night... Both teams have split in their matches the past two years and it is the importance of a game. Kiinn...etaoinetaoshrdlshrdlshrdlue

STAR OF THE WEEK DEPARTMENT... Wayne (Red) Shaw, sophomore tailback of SMU, who spiked a hitherto listless Mustang eleven to a 21-6 upset victory over the Corpus Christi Comets.

by calling my office, T. D. Brooks, Dean, The Graduate School.

MEANDERINGS (Continued From Page 2) is one of the most underrated bands in the country, as all music-minded people know. The Baylor Highpockets said that they "just had to have Rast." I got sucked under myself...

Something new in the way of dances is due to break around the 15th of November when the Composite Regiment and the Engineers BOTH have their annual balls. The Composite Ball will be held in Duncan Hall while the Bridge-Builders hold forth in Deah Ole Sbsia. This marks the first time that any dance has been held in the new mess hall, and also the first time two balls have occurred on the same night. The Corps Dance on the following night should be the largest of the year, since both organizations are merging into the one dance and only one orchestra. To set a real precedent why not have a battle dance between the two bands on Saturday?

Since Glenn Miller broke up, the Modernaires and Tex Benke are sticking together as a unit, and waiting for the highest bidder to pick them up.

The Aggies are still wondering about the Baylor Band last Saturday. The band brought out to the game, a bass violin, a cello, two violins, a sock cymbal and other outrageous instruments. Those instruments are all right for the concert hall, but for the football field they are strictly taboo. Speaking of bands, the Aggie Band really showed the spirit when they turned out for the game, but the thing that won't make the headlines is the fact that our fellow Aggie, Ole Army Loupot paid out of his own pocket the sum necessary to send the band instruments up on a truck. That's one guy that will always symbolize the true Aggie spirit.

The record of the week: "Massachusetts"—a new ditty along the lines of Chattanooga Choo-Choo which you will catch yourself whistling before long.

Congratulations to Johnny Lawrence on his swell work not only in bringing the best entertainment to the campus in the history of Town Hall, but also in being able to sell out all seats in Guion Hall. By the way, if you want a seat Saturday night you had better be there early, since there will only be around a hundred seats left when the doors swing open.

Since it looks as though the Aggies are due to beat Texas and everyone seems to be saving their money for this game, Curley Brient has been trying to get a dance the night before the game in Austin (Nov. 25), but it seems that Coach Bible won't permit a dance to be held on the campus that night, because he's afraid some of his team will sneak out and go. Curley has decided that a mere football coach can't stop the Aggie, so he is now trying to get the dance at a downtown hotel.

280227Z Army's Way to Say 2:27 AM Greenwich, 28 of Month

By Tom Journey

"General will arrive 280227Z". Sounds like Greek or at least a Little Orphan Annie encoded message with secret special code device! But really it's a typical army operations message, similar to the millions of messages transmitted daily by the Signal Corps in performing one of the oldest and most important tasks of fighting a war, "getting the message through."

July 1 the army followed suit with the navy and inaugurated the four numeral time system. The workings of this time system are of vital importance to all signal corps officers and men especially and must be thoroughly understood by every soldier from a buck private to a four star general for the successful operation of all the components of the armed forces.

An article recently appeared in the October issue of the Information Letter, official monthly magazine published by the Signal Corps, clarifying and explaining the new time system with respect to its importance to all the army.

War Fought All Around Globe This war is being fought all around the globe and all around the clock. One can imagine the confusion that could result from a sergeant barking into a phone over several hundred miles of wire, "Bomb hill 734 next Wednesday at 2:24 p.m." Was that time Eastern War Time, Zanzibar Mean time, or any of the other 24 different time zones around the face of the globe?

Day of Month Prefixed The next step is to prefix the day of the month. Thus 2:35 p.m. of October 16 would be written "161435." Such a time designation as "161435" is still ambiguous, however, unless we say what time zone standard we mean. With airplanes winging their way through several time zones on missions, it is imperative that the zero-hour be immediately understood by all persons concerned at a glance.

chosen for this purpose by the War Department is Greenwich Civil Time. This is the time measured by astronomers for the mer-

idian that runs through Greenwich, a borough of London. After heated debate for several years, Greenwich was finally decided on as the place on which to base all time indications since it was at the Royal Observatory in Greenwich that many important observations and calculations were made along those lines.

Appended for Greenwich Time To indicate concisely that Greenwich Civil Time is meant in a message, the letter "Z" is appended to the six figures. The letter "Z" should not be added to figures indicating any other time zone. It should be added only after the time has been converted to Greenwich time. For example Eastern War Time that is used in the Philadelphia Signal Depot, is exactly four hours earlier than Greenwich Civil Time. Therefore, 1435 E. W. T. is equivalent to 1835Z.

The moment the conversion is made to Greenwich Civil Time the letter "Z" is added and the time is no longer a local matter but is applicable all over the world, morning, noon or night.

Local Time Converted As an example, let's say a general officer is due to arrive at a pacific coast city at 7:27 p.m. September 27. The hour given by the railroad timetable naturally being in the time zone observed in that locale, Pacific War Time.

The first step is to convert to the 24-hour clock making it 1927. We may then add the day of the month making it 271927 P. W. T.

To convert this to Greenwich Civil Time, it is necessary to add the time difference between California and Greenwich. This is seven hours, which gives us 272627—but the "26" for the hours indicates that we have entered another calendar day. Since we don't want to use anything higher than "24" in the hours section, we subtract 24 hours from the figure and add one day simultaneously.

This gives the correct figure of 280227, and we can now add the "Z". So, providing the general's train is not late, he'll arrive at his destination at 280227Z.

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WTAW

1150 KC

Tuesday, October 27 11:25 a.m.—Music. 11:30 a.m.—Treasury Star Parade (U. S. Treasury). 11:45 a.m.—Brazos Valley Farm and Home Program—News Behind the News in Agriculture—C. A. Price. 11:55 a.m.—The Town Crier—R. E. Gottlieb. 12 noon—Sign-off.

Wednesday, October 28

11:25 a.m.—Music. 11:30 a.m.—Man Your Battle Stations (U. S. Navy). 11:45 a.m.—Brazos Valley Farm and Home Program—County Agent. 11:55 a.m.—The Town Crier. 12:00 noon—Sign-off.

M W Curtis Becomes Naval Aviation Cadet

Maury Wetzel Curtis of St. Louis, Mo., has been selected for training as a Naval Aviation cadet and will be ordered to active duty shortly.

Curtis graduated from Highland Park High School, Dallas in 1938, and is now attending A. & M., majoring in Petroleum Engineering.

When ordered to active duty, he will report to the U. S. Navy Pre-Flight School, University of Georgia for three months of physical conditioning, instruction in naval essentials, military drill and ground school subjects. After completing this course, he will be sent to one of the Navy's numerous reserve bases for primary flight training.

PISTOL TEAM (Continued From Page 3)

get in touch with him. All freshman should be interested in the pistol team for the advantage of firing with the team are many, Cook said. Besides getting an intramural credit, awards for high season average and trips to state meets the squad members will receive very valuable training which will more than likely benefit them greatly in their probable careers of the future, Cook continued.

A group of graduate and undergraduate students has formed a historical society at the University of Wisconsin.



56 LILLEY AMES UNIFORMS

were received Friday Noon. Two more shipments are expected shortly.

All men wanting uniforms for Christmas delivery must have them cut immediately!

Other men who desire Lilley Ames Uniforms must place orders while we can still obtain cloth. MEN—WHY NOT BUY THE BEST

ASK THE MAN WHO OWNS ONE

LOUPOT

Gifts totaling nearly \$100,000 were received by the board of regents of the University of Minnesota at a recent meeting.

In the Future Scientists Will Use Electronic Microscopes for Research

Some day in the near future hundreds of physicians and research workers will use electron microscopes daily in their work. Dr. Simon Ramo of General Electric's Electronics Laboratory predicted in a G-E Science Forum address at Schenectady.

"This tool will render visible things which are more than ten times too small to be seen with the aid of the best light microscopes," Dr. Ramo said, speaking on the subject of 'Extending Man's Vision.' "Even now, this new technique, electron microscopy, is making itself felt in many research laboratories.

"The thirst and need for research workers, for instance, for glimpses into the minute details of microscopic organisms is being satisfied by the electron microscope."

Research workers will probably come to look upon electron microscopes as a natural extension of their sight into the range too small for normal vision, Dr. Ramo pointed out.

"In an electron microscope, the reproduction is thousands of times larger than the real thing—which may be a tiny particle of dust less than one-ten-thousandth of an inch in size," he said.

Dr. Ramo described the underlying principles of the electron microscope.

"The image produced is created by electrons striking a plate covered by fluorescent material—material which has the characteristic of emitting light when bombarded by fast-moving electrons," he explained. "The more electrons striking the plate, the brighter the light produced. So the problem is to create a pattern of electrons hitting the target that will reproduce, in the excited fluorescence, a replica of the lights and shades of the original scene. All of this takes place in an evacuated electronic tube. We observe the image through the glass wall of the tube.

"The scheme of investigating very tiny particles, and the creation of highly magnified images by electrons, involves certain basic principles that classify light, radio waves, and electrons all as manifestations of one single phenomenon—which we might call electromagnetic waves.

"Where light waves would be too

big in wavelength to get down into, and to retain, the minute details of tiny substances which have dimensions smaller than the wavelength, electrons are able to retain that small detail.

"In the electron microscope the electrons themselves act as 'go-between' from the specimen directly to the fluorescent screen where the image is shown."

"Blind flying" is another example of the extension of man's vision—this time in aviation, Dr. Ramo said:

"There are altimeters which tell the pilot of a plane his distance from the ground—electronically generated radio beams that the pilot picks up as directives or guides. All of these are means for extending that pilot's vision. Without these aids he has, in effect, no eyes with which to do the necessary piloting. But with electronic developments he can hold his course by the substitution of man-made electronic guides for the natural guidance that the ability to see his surroundings in normal fogless daylight would automatically give him."

Dr. Ramo also mentioned the photoelectric spectrophotometer, an electronic device which is used to improve the accuracy of human vision. It is an instrument capable of discerning minute color differences. The photoelectric eye in the spectrophotometer is extremely sensitive to different colors, and light from the samples being tested is received by it. Thus the color content in materials to be matched is compared with an accuracy far beyond the human eye.

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REGULATION SHIRTS

Here you'll find an outstanding assortment of Regulation Shirts. Fine fabrics that were tailored by famous shirt makers... each shirt is form-fitted and smartly made.

- "At Ease" Broadcloth \$2.00
Van Heusen Broadcloth 2.50
Shirtercraft "Airman" 2.95
Waldrop & Co. Poplin 3.25
Pools' Poplin 3.25
Regulation Army Twill 3.75

Waldrop & Co.

"Two Convenient Stores"

College Station Bryan

THE EXCHANGE STORE IS YOUR STORE OWNED AND OPERATED BY THE COLLEGE UNIFORMS HATS SHOES S. B BELTS REGULATION SHIRTS INSIGNIA DRAWING EQUIPMENT SCHOOL SUPPLIES AN AGGIE INSTITUTION

Get the Kind of Haircut You Want and Be Ready for the INFANTRY BALL Aggieland Barber Shop NORTH GATE