

Questionnaire Figures To Be Completed Soon

Whether the ideal girl of the A & M cadet corps is a brunette or a blonde, whether she has blue eyes or brown and just what her other characteristics are will be made public as soon as a check has been made of the demands made by students of the college in the deluge of questionnaires which flooded the office of The Battalion this week.

Although the response of the student body has been unusually good, it hoped that those students who have not yet returned filled out questionnaires to The Battalion will do so at once. Blank questionnaires may be obtained from the first sergeants of each organization by those who have lost those carried in The Battalion last week.

DR. COHEN, HILLEL SPEAKER

Dr. Henry Cohen, Galveston, gave an informal address to the Hillel Club Monday night, December 8. Religion, Humanism, and the status of the modern college student in the circles of society were the topics covered in Dr. Cohen's lecture.

An open forum was held afterwards, the lecturer answering the questions asked by members of the club.

INSURE COLLEGE EMPLOYEES

The Board of Directors recently authorized the college authorities to take out group insurance for all employees of A & M according to S. G. Bailey, executive secretary to the president.

This program is in line with the practices of the leading financial, industrial and educational institutions in the country.

Although several policies are now under consideration, the plan will not be effective until next fall, Mr. Bailey said.

Work On Radio Cable Nearing Completion

Under the direction of Lieutenant P. L. Neal, Signal Corps tactical officer, the work of laying and connecting the new cable which is to run between the radio room in the Y M C A, and the transmitting station of W T A W is nearing completion. The latest type of cable has been secured from the Western Electric Co. by Dean F. C. Bolton so that the equipment of the local station may be modern in every respect.

This particular design of cable has a feature which eliminates the use of a container or conduit by means of a special flexible steel wrapping which covers and protects the weaker lead sheath. Another feature is the fifty circuits which the cable contains. Only twenty-three of the fifty, however, will be utilized in the campus work. Five of these will compose the circuits now running between the radio room and transmitting station whereas the others will carry the telephone lines from the Y M C A.

Elimination of the unsightly overhead conductors will add to the beauty of the campus and although the primary purpose of the work was to counteract weather interference due to exposure of the lines, improvement of the campus appearance was a consideration.

Ex-Students Express—

(Continued from Page 1)

Burns, San Antonio; C. S. Krueger, San Antonio; C. A. Thanheiser, Houston; B. N. Wadley, Dallas; C. H. Flemming, Fort Worth; L. C. Doney, Houston; A. C. Love, Ennis; Johnnie Garitty, Corsicana; E. S. Moseley, Dallas; Nestor M. McGinnis, College Station; C. D. Watts, Dallas; Norman Dansby, Bryan; H. K. Deason, Port Arthur; Ike Ashburn, Houston.

Chapel Speaker

Dr. Elmer Ferguson, pastor of the Central Presbyterian Church, Houston, Texas, will be the speaker for chapel Sunday, December 14.

Hot Water—

(Continued from page 2)

the heat loss for that day would be 28,800,000 B. t. u., since the load for that day is 70 minus 25 degrees times 1 day, or 45 degree-days, the heat loss for Hart Hall is 640,000 B. t. u. per degree-day or 814,080,000 for the average heating season if based on 1272 degree-days according to the American Gas Association rule. However, it will be 2,378,000,000 if based on 3731 degree-days as proposed above.

The next step in our calculation is to determine the cost of 1,000,000 B. t. u. The fuel used at the College is lignite which has a calorific value of about 7400 B. t. u. per pound and costs about \$1.57 per ton. If we could secure perfect combustion in the furnace, utilize all heat produced and be supplied with the necessary equipment and labor free of charge, the cost of 1,000,000 B. t. u. would be about 11 cents. Since these conditions do not exist, the cost is higher than 11 cents. Mr. B. D. Marburger, the Superintendent of Buildings and College Utilities, estimates the actual cost to be 29 cents. Since our former calculations were based on a cost of 30 cents per 1,000,000 B. t. u., that price will be used throughout this series of articles.

The cost of supplying heat needed by Hart Hall for the average winter will then be \$244, if based on 1272 degree-days.

To this cost must be added that of transporting the heat from the power plant to the buildings, i. e., the cost of operating the circulating pump. The pump is motor driven and requires about 7500 watts. Placing the cost of one K. W. H. at 1 cent and assuming that the pump must be operated during 75 per cent of the seven-month heating period and that 22 per cent of the total cost is chargeable to Hart Hall and the remaining 78 per cent to the other six buildings served by the pump, the total annual cost of pumping the water from the power plant to Hart Hall and back is \$62.80. Adding this to the cost of the heat, \$713, the larger of the two cost estimates, the total cost of heating Hart Hall will be \$776, or \$2.66 per student per year, if Hart Hall is occupied by two students per room.

This will be the cost if the building is heated by means of hot water and the temperature of water leaving the power plant regulated so that it will continuously supply the quantity of heat sufficient to maintain the temperature of the building at 70 degrees under all outdoor temperatures. If a larger quantity of heat is sent to the building, the cost will be correspondingly larger. For example, if a temperature of 75 degrees is maintained in the building instead of 70 degrees, the cost will be increased from \$2.66 to \$3.36 per student and year. According to these estimates, the cost of transmitting the heat from the power plant to the building to be heated is about 8 per cent of the total cost.

The next article will include a preliminary report on the actual cost of heating Hart Hall.

(To be Continued.)

Fire in Hollywood.

Combustible material placed near the stove caused a fire in shack 3, occupied by C. A. Tracy, Houston, and Maurice Sessions, Austwell, last Friday morning. Clothes and other contents of the room received the greater part of the damage which was done mainly by smoke and water.

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Landscape Art Dept. Given Care Of Campus

Care of campus improvement maintenance has recently been put under the landscape art department, according to F. W. Hensel, head of the department.

A large part of the student labor has been allotted and it is the plan of the department to do as much planting around the dormitories as funds will permit. To aid in this work of beautifying the campus, the college has purchased a transplanting machine which is capable of moving full grown trees without disturbing the main roots. Pot plants and cut flowers will be supplied to the Hospital, the Library, and Guion Hall, when a sufficient quantity has been grown.

Change Professor's Title.

Professor T. A. Munson's title of "Professor of Railroad Engineering" will soon be changed to "Professor of Hydraulics," word received from Dean F. C. Bolton, of the school of engineering reveals.

The reason given for this change is the greater importance of hydroelectric and flood control problems in the civil engineering program.

Corps Dance Saturday.

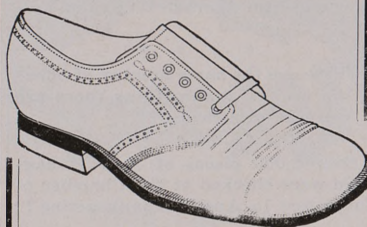
There will be a corps dance in the mess hall annex Saturday night at nine o'clock. The Serenaders will furnish the music. Number one uniform will be worn and script will be one dollar.

Advocates Five-Day Week For Colleges

ATHENS, Ga.—Believing that the five-day week is just as important an innovation in college life as it is in industry, the Red and Black, undergraduate newspaper at the University of Georgia, has started agitation editorially to keep Saturday's free from classes at the University.

"We admit," the Red and Black says, "that there are certain visible advantages to be gained in going to classes six days a week. . . more work can be accomplished for one thing. But we question whether the quality of work is as high as that done during a five-day week. Most experts agree that it is not. Henry Ford has experimented with shorter hours and fewer work days. His tests show that the average man does a higher quality work laboring over a short period than he does over a long one. His tests are not too irrelevant to be applied to the University of Georgia."

The newspaper further admits that various other difficulties would arise, especially that of completing the week's class scheduled. It suggests, therefore, that students attend classes in certain subjects each day until that course has been completed, and then



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MANY FOREIGN STUDENTS
WASHINGTON, D. C.—The colleges and universities of the United States play schoolmaster to some 10,000 students from foreign nations, a recent survey revealed.

Most of these, however, no longer are undergraduates, but are graduate students. Foreign educators no longer believe it important to send their students here for undergraduate work.

take up work in other courses, studying in that every day until it is completed.

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