

## OFFICERS CHOSEN BY ARCHITECTS

At a recent meeting of the Architectural Club, R. C. Ripstein, San Antonio, was elected president and E. M. Russell, Ft. Worth, was chosen vice president. M. A. Hays, San Antonio, and R. L. Stripling, San Augustine, were elected secretary-treasurer and chairman of the decorations committee while E. E. Roberts, also of San Antonio, will be in charge of the annual dance and F. S. Scott, Little Rock, Arkansas, will be the official "Bouncer".

Definite plans concerning the annual dance will be announced later and it is believed that this year will bring an unusual motif in the way of dance decorations.

## Rare Javanese Batik Shown in Arch. Dept.

Bringing to A & M for the first time an exhibition of Javanese batik, the department of architecture has on display in its library this week a number of representative examples of this peculiar work.

Javanese batik is made by the natives of the island of Java and constitutes the major part of their dress. The material from which the batik is made is a very fine weave of either cotton or silk cloth which, apparently, never wears out. The first step in the processing of the batik is subjection of the cloth to vegetable oils, an operation requiring about a week. After the saturated cloth has been allowed to dry in the sun it is placed on an easel and made ready for decoration.

The native women sketch a design of their own creation on the treated material and fill in that part of the pattern which is not to be colored with melted wax poured from a pin-point opening in a copper cup called by them the tjantnig. Next the design is colored with vegetable dyes and is again laid aside for drying. The final action is then made on the material, that operation of scraping the wax from the cloth.

The value placed upon the finished product is based upon the skillful labor necessary in making a good batik. The display at A & M is worth several hundred dollars and because of its rareness, the exhibit is quite worth while.

## Prominent Men Visit Experiment Station

Dr. G. S. Kulkarni, plant pathologist for the Bombay district of India, visited the A & M Experiment Station October 6 in the interest of cotton disease studies with the view of gaining further information concerning the root rot problem. Dr. Kulkarni stated that there is a cotton root rot disease in India which he thinks is practically the same as the disease in the cotton of Texas.

Another prominent visitor was H. N. Vinall, from the Office of Forage Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture, who visited the A & M station on September 30 in connection with pasture improvement studies in Texas.

## Schwoppe Elected A. S. C. E. President

Members of the local American Society of Civil Engineers elected C. A. Schwoppe, Waring, president, and Herman Harlan, Cameron, vice president, at a recent meeting held in the Civil Engineering Building. C. L. Pickett, Post, was chosen to serve as treasurer, J. B. Turner, Longview, secretary, and R. A. Woodall, Celina, social secretary.

There were sixty members present at the meeting and plans for an unusual Christmas banquet were discussed and plans were made to obtain several prominent men to speak at future meetings. All men taking civil engineering are urged to attend these

## A. H. Department Adds Two New Profs

Announcement of the addition of two new members to the faculty of the animal husbandry department was recently made by D. W. Williams, head of the department. The new head of the swine and animal nutrition section is D. S. Buchanan, a graduate of 1918. Upon graduation Mr. Buchanan entered the Marine Corps and subsequently was made a captain. He saw much service during the war and three times was decorated for bravery in action. At the close of the war he returned to A & M as instructor, but later went to Iowa State College where he received his Master's degree and an election to Sigma Xi, the highest scientific honorary fraternity. Last year he was head of the department of animal husbandry at Mississippi A & M.

R. N. Milhollen, new head coach of the judging teams, is also an A & M man, a graduate of 1924. While a student here he was a member of the international live stock judging team. In recent years he has been coach of three winning teams in the state Smith-Hughes contests for high school students, and county agent of Hale county.

## Elect Officers Of Theatre Club

J. P. Abbott, assistant professor of English, was elected president; Mrs. J. J. Woolket, secretary; C. C. Palmer, instructor in electrical engineering, treasurer, and C. O. Spriggs, professor of English, director of the Campus Theatre Club at a meeting in the Asbury room of the library October 14.

A definite program for the year formulated by the club includes three long plays to be given at regular intervals during the year, and a series of one-act plays to be presented each month excepting those months in which the three-act plays are given.

## Delegates Chosen for State A. S. C. E. Meeting

C. L. Pickett and R. C. Crook were elected delegates to the semi-annual state meeting of the American Society of Civil Engineers at Houston, Friday and Saturday, October 24 and 25 at the regular meeting of the A & M chapter of the A. S. C. E.

J. T. L. McNew, professor of civil engineering, spoke on the organization of the society and its relation to state societies and student chapters. The importance of engineers acquainting themselves with the society was stressed. A brief description of the society's permanent organization and a review of the plans for the state convention at Houston were given.

Several students expressed desire to attend the Houston meeting, and from the enthusiasm shown it is probable that Pickett and Crook will not be the only representatives from A & M.

The date for regular meetings was decided upon as every other Friday night. Plans for the year which were announced included the possible exchange, from time to time, of student speakers from other colleges.

## Daily Bulletin to Carry Library Page

Beginning Sunday November 2, the Sunday Daily Bulletin will carry a library page, which it is hoped will interest and instruct a large number of students in the reading of good books, according to Thomas F. Mayo, librarian.

In calling attention to this action, Mr. Mayo pointed out that in past years the library page has done much to guide the students in their reading as well as acting as a source of information on the books to be had in the library. The page will include book reviews, lists of books on various subjects, poems, stories and essays.

Miss Mary Rice, assistant reference librarian, will edit the page, and invites both students and campus residents to send in contributions.

Tests made at the New Jersey College for Women indicated that sophomores are less liable to believe un-

## HOT WATER HEATING SYSTEMS

By

F. E. Giesecke, College Architect

In designing the heating system for Hart Hall a hot water system was selected because such a system, when properly operated, is superior to any other system for the heating of dormitories.

Compared with a steam system, a hot water system is more sanitary, more economical in operation, more economical in maintenance, and very little, if any, more costly to install.

Of course, I realize that in the past the operation of the hot water heating system on the college campus has been unsatisfactory. There is no reason why this condition should continue. President T. O. Walton is anxious to have the system operated in the best possible manner. B. D. Marburger, as superintendent of buildings and college utilities, has installed new heaters in the power house and has ordered new pumps to improve the circulation of the water through the system and is making other changes to obtain better service.

In order to attain the best results, we should also have the co-operation of the students; to obtain that co-operation, I have prepared a series of articles for The Battalion which are intended to explain the operation of our hot water heating systems and the contributions which students may make to improve it.

My personal interest in the successful operation of the heating system is fourfold:

(1) In common with the other college officials, I am anxious to see the students quartered in buildings which are properly heated.

(2) The majority of the hot water heating systems installed in our buildings were designed in the office of the college architect, under my supervision, and I am anxious that they should give entire satisfaction.

(3) The committee on research of the American Society of Heating and Ventilation Engineers has practically delegated to the Texas Engineering Experiment Station at this college all research relating to hot water heating. One of the projects now under way is to determine accurately the cost of heating buildings by means of hot water. During the present session we would like to determine the cost of heating Hart Hall, the library, and the Academic Building. A. V. Brewer, professor of mechanical engineering, Mr. Marburger and W. H. Badgett, research assistant, Engineering Experiment Station, are co-operating with me in this project and we will not be able to get good results if these buildings are not heated properly.

(4) For a number of years I have contributed to the literature relating to the science of hot water heating. Two years ago I prepared the chapter on piping for hot water heating systems for the 1930 Guide of the American Society of Heating and

Ventilating Engineers. Last year, I co-operated with others in preparing the course in hot water heating systems for the International Correspondence School at Scranton. During the past summer I wrote the chapter on hot water heating for the third edition of Allen and Walker's text on heating and ventilation which will be published by the McGraw-Hill Book Company within the next few months. Having made these contributions to the literature on hot water heating, it would be a great disappointment to me if the hot water heating system at my own institution should not be made to give satisfactory service, particularly, since similar installations at all other institutions give entirely satisfactory results. For example, at the University of Virginia, a central hot water heating system has been installed to replace the older systems and to supply heat to all buildings on the university campus. The operation of this system is entirely satisfactory.

Regarding this system, the professor of mechanical engineering, A. F. Macconochie writes: "... The use of hot water permits of central station control and the maintenance of a very even temperature under all

weather conditions."

The superintendent of the department of buildings and grounds, Charles H. Chandler, writes: "... We find the system very satisfactory ..."

The chief engineer, J. F. Golding, writes: "... I have operated a high pressure steam system, a low pressure steam system, a vacuum system, and an ordinary water system, and I have not found any of them to be as satisfactory for a large group of buildings as the present hot water system. I would recommend it by all means if you have a large group of buildings to heat ..."

(To be continued)

A glider club, membership of which will be limited to about 24 undergraduates, has been formed on the campus of Carleton College at Northfield, Minn.

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