

Campus Physical Plant, Valued Higher Than 12 Millions, Is Well Developed

BY FRANK PHELAN

In the ten years from 1925 until 1939, the campus physical plant of A. & M. has increased from 69 to 122 buildings, with the fiscal value rising from \$3,552,778.88 to \$12,336,590.08. These buildings cover approximately 225 acres and are so situated as to give the utmost convenience to students. Not only are the buildings well-built and serviceable, but they are permanent sources of beauty in their surroundings of well-kept shrubs and neatly trimmed grass.

The School of Agriculture is equipped with a physical plant valued at more than a million and one quarter dollars. A few of the more recently constructed buildings are the agriculture building (1922), which includes administrative offices, classrooms, and laboratories for the study of all kinds of farm machinery; the animal husbandry pavilion (1916), which contains a large judging arena surrounded by concrete seats for 1600 spectators, besides classrooms and offices; the animal industries building (1933), which provides offices, classrooms, and laboratories for the departments of animal husbandry, genetics, and poultry husbandry; the college creamery (1923), which contains the dairy laboratories and creamery, is equipped for the manufacture and distribution of ice cream, cheese, and market milk; and the dairy barns (1916) provide facilities for the handling of various classes of livestock.

The School of Engineering, which has a physical plant valued at approximately two million dollars, includes such modern buildings as the petroleum building (1932), where the geology, modern languages, and petroleum offices, classrooms, and laboratories are located; the chemistry building (1927, second wing 1929), which contains the classrooms, offices, and laboratories for the teaching of all phases of chemistry; textile building, which provides classrooms and laboratories for the teaching of the handling, classing, and manufacture of textiles; the physics building (1920) is equipped with all the apparatus necessary for the thorough study of the subject; the electrical engineering building (1912) houses the campus radio station, WTAW, offices, classrooms, and laboratories; and the civil engineering building (1909), which contains the oldest engineering department of the college, is thoroughly equipped for every branch of the civil engineering profession—highways, structural, and hydraulic engineering.

The athletic plant has grown from the open field of 1903 to the present day stadium on Kyle Field which will seat 35,000 spectators. Memorial Gymnasium which has a seating capacity of 3,500, a swimming pool which will accommodate 600 spectators, and an auxiliary gymnasium for use chiefly in intramural activities. There are several tennis courts, both clay and concrete, baseball diamonds, and fields for football and speedball.

The Y. M. C. A. has a reading and writing room and a parlor where various club meetings are held, and in addition a fine recreation room with four bowling alleys, billiard tables and ping-pong tables. Plans are now being formulated for the construction of a new \$300,000 Y. M. C. A. building near the new dormitories and for the expenditure of \$50,000 for repairs on the present "Y". The new "Y" will contain a 4,000 square foot floor for dancing, reading and writing rooms, recreation room and 30 guest rooms.

The history of A. & M. dormitories goes back to the construction

of Gathright Hall in 1876, followed by Austin Hall in 1886, and Pfeiffer Hall in 1887. Then as time went on and the student body of A. & M. became larger and larger, Ross (1888) and Foster (1899) were built; from this time on the dormitories have necessarily become greater both in size and number, until at present 11 are halls in use and 12 new ones under construction, besides 12 project (co-operative) houses. Shisa Hall, the largest dining hall in the world, serves the original 11 halls. A complete new dining hall is under construction for the new dormitories. The new living quarters, which will be ready for occupation by the beginning of the next school year, are modern in every respect; possibly the most outstanding one of these new buildings is the hall which will be used by the band. It will contain regular study rooms, a practice room, and a broadcasting room.

A few other campus buildings are the Administration Building, the Museum, the Cushing Memorial Library, with between 50 and 60 thousand volumes and some 350 periodicals, and the Academic building, which contains the military offices, various classrooms, and the architectural department.

SCIENTIFIC REVIEW COMPOSED OF TWO OLDER MAGAZINES

The Scientific Review is a bi-monthly magazine published by students of the Agricultural and Engineering schools to further technical knowledge concerning subjects in the two fields. This magazine is the result of the combination of two magazines once published here, the Texas Aggie Countryman and the Technoscope.

The Texas Aggie Countryman was published by the students in the School of Agriculture with the aid and instruction of faculty advisors. The first issue was printed in February 1930 and carried information of interest to Agricultural students. It was organized partly for the purpose of allowing undergraduate students to voice their opinions in print on subjects in their field. This proved an aid to the students in promoting leadership for work after graduation.

The Technoscope was a quarterly magazine published by the students in the school of engineering with the advice of their faculty members. Its publication was begun in March of 1931 and served the same general purpose as the Texas Aggie Countryman, except that its contents referred to the technicalities of engineering rather than agriculture.

The Technoscope and the Countryman were combined in March of 1934 to form a single magazine, the first copy of which had a title formed by a combination of the two original titles, while the next issue was today's magazine called The Scientific Review.

The Scientific Review still contains the objectives of the two original magazines, the Technoscope and the Texas Aggie Countryman.

HANK BOROBY, FORDHAM University pitcher, has won fourteen straight games in two years of intercollegiate competition.

UNIVERSITY OF VERMONT co-eds have formed a new club to promote improvement of their personalities.

Scientist Increases Athletes' Endurance With Gelatin Drinks

Close on the heels of the announcement that an eastern scientist has increased physical endurance by use of gelatin drinks, E. C. Callaway, biochemist at Oregon State College, has revealed that for more than five years he has been conducting experiments with Beaver athletic teams that indicate a striking relationship between physical endurance and alkaline reserve in body tissues.

Tomato and orange juices supplemented with certain chemical alkalies have been Prof. Callaway's method, used in cooperation with team physicians, of keeping men in shape to "do for dear old Alma Mater" without dying of fatigue. Properly applied, Callaway finds that this system will clip several seconds from the time of distance runners and swimmers, and will delay serious fatigue in basketball, football and rowing by 10 to 20 per cent.

Prof. Callaway and those with whom he has worked say the process is still in the experimental stage, and they caution against the "shot-gun" use of excess alkali without regard to other nutritional factors. Damage to the body may result from the use of too much alkali or alkaline salts in unbalanced proportions.

The present research had its origin in 1933 when Dr. R. L. Bosworth, team physician at that time, kept the men of the famous "iron-man" football team full of tomato juice as one means of keeping up their endurance. This was the team that first stopped the winning streak of the U. S. C. Trojans.

Since then Prof. Callaway, working in his spare time with physicians, trainers and coaches, has run biochemical tests on athletes before and after athletic contests, and correlated their performance with degree of alkaline reserve.

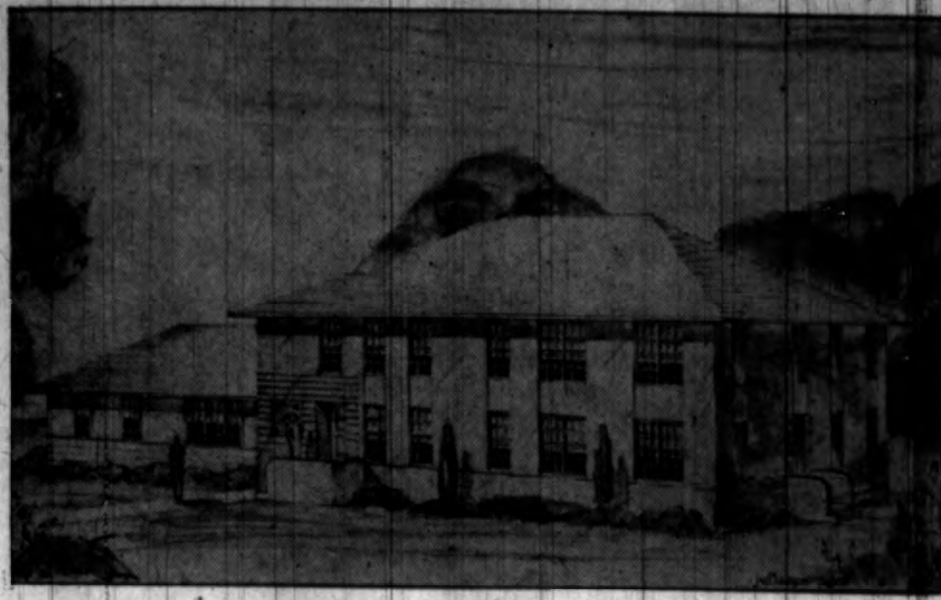
"Other things being equal, an athlete's ability to stay in a severely contested game and perform at top efficiency is roughly proportional to what might be termed his optimum alkali reserve in his blood and muscles," Prof. Callaway concludes. "That is to say, it requires more alkali reserve to perform at top speed in a basketball game or crew race than it does to walk along the street. There is abundant physiological explanation for this fact."

ROANOKE COLLEGE HAS been the educational starting place of more than 20 college presidents.

Wayne University has received a special grant to finance research into the causes and treatment of Peptic ulcers.

Barnard College next year will offer a special course on the history, economics and arts that characterizes a democracy.

Proposed Co-op Dormitory



Above is shown the architect's sketch of the proposed American Legion co-operative dormitory which may be erected here in the near future.

13 OR MORE HIGH SCHOOLS WILL BE REPRESENTED IN SWIM MEET

Thirteen or more Texas high schools will have entries in the State Swimming Meet in the Downs Memorial Pool of Texas A. & M. College Saturday, according to Arthur Adamson, Aggie swimming coach, who is in charge of the event.

Last year only 11 teams were entered, but this year two more leading Texas cities will be represented since Highland Park, Dallas, and Waco high schools have signified intention of participating.

Three Fort Worth teams are expected, representing Paschal, Poly-

technic and North Side high schools. Last year Polytechnic carried off major honors.

San Jacinto and Lamar teams will represent the Houston high schools, while Brackenridge and Vocational and Technical high schools of San Antonio will have finmen in the competition.

Austin, Beaumont, Bryan, and Denton will be represented by teams and it is likely that last minute entries will swell the list.

Preliminary heats will be run off during Saturday afternoon and the finals will be started at 7:30 p. m. Events will include the 180-yard medley relay, 160-yard free style relay, 100-yard free style swim, 50-yard free style, 220-yard free style, 100-yard backstroke, 100-yard breaststroke and fancy diving contest from the 1-meter board.

It is expected that a record crowd will witness the meet inasmuch as the Southwest Conference track and field meet will be held here on the same day, and the advance guard of thousands of Aggie's parents will be on hand for the annual Mothers' and Dads' Day celebration Sunday.

FORMER STUDENTS DISCUSSING TWO NEW PROGRAMS

Proposals of the Former Students Association to establish a Placement and Personnel Bureau and to establish a Thanksgiving Home Folks Plan—whereby exes, faculty members and students would voluntarily give the choice seats at Thanksgiving games to visitors—are being considered by the Association.

The proposal of the Thanksgiving plan has already been approved by the Former Students Board of Directors.

The Thanksgiving Home Folks' program seeks to ease football ticket troubles when Thanksgiving Games are played at Kyle Field. In the plan being considered, volunteers will be asked to follow the lead of the Board of Directors of the Association and of the College in voluntarily requesting that their tickets for this game be placed in the Thanksgiving Home Folks' section at the end of the field. Other groups who will be asked to volunteer will be the faculty, student body, Bryan and College citizens, and A. & M. men. Officers of the Association have set as a goal 200 volunteers from the ranks of A. & M. ex-students. The results of such a proposal will allow a greater number of the more desirable seats to be taken by visitors.

TWENTY-FIVE COLLEGES and Universities in the United States operate their own broadcasting stations.

THE NUMBER OF WIDOWS IN college towns is 10 per cent above the number in the average United States city.

The University of Wisconsin Daily Cardinal was the first college newspaper to set its type on a linotype machine.

Ohio State University co-eds have organized a personal appearance clinic to teach correct dress and make-up.

A Penn College student is planning the construction of the world's longest pendulum. It'll be 211 feet long.

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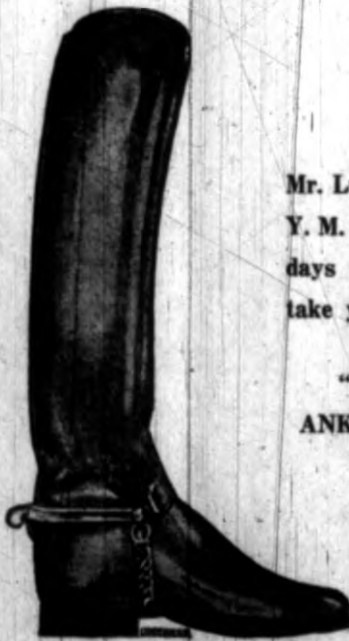
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