

THE TECH

VOL. XXXIV. NO. 31.

BOSTON, MASS., SATURDAY, MAY 9, 1914.

PRICE TWO CENTS

FUSSER'S FINISH

To The Editor of THE TECH:

On account of the fact that our Agreement, which was published in yesterday's issue of your paper, didn't quite make clear the manner in which the awards of the first twenty and the twenty-first copies would be determined I will endeavor to explain the matter. All applicants wishing one of the first twenty copies will hand their names and one buffalo nickel enclosed in a plain sealed envelope to Eddie Pung, your special agent at the Cage. The envelopes containing the five Lincoln pennies for the twenty-first copy should be mailed to me in care of THE TECH. The drawings will take place one day before the FUSSER'S FINISH is placed on sale and the names of the successful competitors will be printed at that time.

By the way, in wandering around the 'Stute yesterday afternoon I overheard a number of comments to the effect that this collection of facts and fancies, which I have, is not a literary work. I would like to correct this mistaken impression and I wish that it would not be called a second Yishka bible; it is something entirely different as you well know.

Yesterday I was scrutinized by a number of people but none of them

(Continued on Page 4.)

CHEMISTS TO BANQUET

Shingles and Pins To Be Given Out at That Time.

The annual banquet of the Chemical Society will be held next Tuesday night at the Copley Square Hotel. Mr. Marble, the president of the northeastern section of the American Chemical Society, is to be one of the speakers, and he will tell the members what will be expected of them when they get out into business. Dr. Carmichel, the other speaker, is a prominent consulting chemist.

The banquet will have many new features this year. The fact that two speakers have been secured, instead of one, as formerly, is an innovation. Also at this meeting the new shingles will be given out to all men who hand their names to the officers before Monday noon. The price of the pins will be seventy-five cents. Tickets for the banquet, which are \$1.25, should be obtained before noon today from the officers of the society. It is expected that all of the professors in the department will be present.

MUSICAL CLUB MEETING

There will be a very important meeting of the Combined Musical Clubs at 5 o'clock, Monday, in the Union. The purpose of this meeting will be to discuss the new constitution. Everyone must be present at this meeting in order to attend the banquet next Wednesday.

LECTURE TONIGHT IN HUNTINGTON HALL

Mr. Byron L. Lick To Speak on Panama Canal and the Exposition.

Tonight is the night of the lecture on the Panama Canal and the Panama-Pacific Exposition in Huntington Hall. At eight o'clock promptly Mr. Byron L. Lick of San Francisco will start upon the first of his three hundred-odd slides. The lecture will probably last until between nine and nine-thirty.

The manner in which the tickets have been taken up has exceeded even the expectations of the Monthly Board. To date over a thousand tickets have been given out, many of them to the outside public, leaving but a small margin now available. These few may be obtained while they last at the Monthly office, the Cage and at the information desk in Rogers.

TECH MEETS TUFTS

Tennis Team Plays Today—
Team Loses Valuable Member.

The Tennis Team leaves North Station this afternoon at 2:00 o'clock for Medford, where a match will be played with Tufts. There will be four singles and two doubles. The following men will play: Stewart, '16, Goodwin, '14, Polley, '17, and Woodbridge, '16. The doubles teams will be composed of Stewart and Goodwin, and Polley and Woodbridge.

R. A. Warren, '15, will not play on the team any more as he is compelled to leave the Institute on account of his eyes. In the fall tournament he tied for first place in the singles and with E. G. Polley, '17, won the doubles championship.

Only three matches in the singles in the spring tournament have been reported so far, and none in the doubles. H. R. Stewart, '16, defaulted to I. B. McDaniel's, '16. D. E. Woodbridge, '16, won two straight sets from S. Batchelder, '17, 6 to 2 and 6 to 0. J. B. Carr, '16, won two sets out of three from J. J. Bash, '17, the scores being 6 to 3, 4 to 6, and 6 to 3.

COSMOPOLITAN CLUB

Elections and Annual Supper Tonight in the Union.

The annual supper of the Cosmopolitan club will be held this evening. Since this is the last regular meeting of the year, the election of officers for next year will take place. The list of those nominated has been posted in Rogers Building and should be con-

(Continued on Page Two)

CRAM AND SWAIN TALK TO ARCHITECTS

At Banquet at the Dinner at the Copley Square Hotel Last Night.

The banquet of the combined Architectural and Architectural Engineering Societies was held last evening at the Copley Square Hotel. Francis Whitten, Jr., the retiring president of the Architectural Society introduced his successor, H. P. Sabin, who in turn introduced Mr. Ralph Adams Cram, the first speaker of the evening.

Mr. Cram said that the inclination of the modern architect was to think that when the plans and working drawings of a building were completed the greater part of the work was done. He questioned this viewpoint and stated that the drawings constituted only the beginning. "Architecture is not an isolated art. It unifies the arts." This was, he said, a true conception of architecture and as his subject he chose to talk about the actual construction. He stated that an architect cannot do all he thinks he can and must therefore rely on a specialist who is usually an abstract designer. History he quoted as an example that, "Half the value of architecture is the way the work is done." Since the architect must rely on the craftsman for assistance the fact is brought out that the craftsman of today is usually a man with the definite aim of the price he is to receive. Mr. Cram said that he was surprised by the tendency toward a greater interest on the part of the worker during the past five years. He gave the names of a number of members of the crafts of painting, sculpture, ironwork, etc., who are at present known for the fine ideals which they hold in their work. Mr. Cram told how he gave several workmen on the Princeton Graduate College buildings personal instructions in how he wished them to show an original interest and appreciation of their labor. In every case the workman seemed more than pleased to co-operate in this manner. He said he believed it to be the absolute duty of an architect to draw opportunity for expression of personal feeling in the mechanical execution of the construction work. The speaker told of how he was introducing a system of co-operation similar to the

(Continued on Page 3.)

GAME CANCELLED

The Cambridge Latin School management has cancelled the baseball game, which was to be played today with Tech 1917, on account of the poor attendance at previous Saturday Cambridge Latin games. Practice will be held Monday as usual.

INTERCLASS CREW RACES THIS AFTERNOON

Two Freshman-Sophomore and Junior-Senior Contests at Four.

The annual class crew races will be held this afternoon on the Charles River. There will be three races over the regular intercollegiate mile course starting from the Cottage Farm Bridge and finishing at the Harvard Bridge on the Boston side. The first race, between the Freshmen and Sophomores, is scheduled to start at 4 o'clock; the second race will be between the second Freshman and the second Sophomore crews, and the third between the Juniors and Seniors. On the following Saturday the winners of the first crew races will race for the class championship.

All the crews, with the possible exception of the Sophomores, shape up about the same. The Sophomore crew has found considerable difficulty in maintaining a high racing stroke with any effectiveness and for this reason the Freshman crew is the favorite in the first race. The Sophomore crew has four veterans in its

(Continued on Page 4.)

NOTICE

On behalf of Mr. Watchful Wallie THE TECH desires to call attention to the rules which he has imposed for the awarding of the first twenty-one copies of FUSSER'S FINISH. Also we wish to state that conference hours can be arranged with THE TECH Detective, who has been placed at the disposal of our readers who may wish to inquire concerning the science of detectics.

WEATHER

For Boston and Vicinity: Unsettled; probably showers today; fresh easterly wind.

CALENDAR

Saturday, May 9, 1914.

- 1.40—Rifle Club Team Leaves North Station.
- 2.00—Rifle Club Shoot. Walnut Hill Range.
- 2.30—Tech vs. B. A. A. Tech Field.
- 3.00—1917 Baseball Game With Cambridge Latin Cancelled.
- 3.00—Baseball, 1916 vs. Boston Latin School.
- 3.00—Tennis, Tech vs. Tufts. Medford.
- 4.00—Interclass Crew Races. Charles River.
- 6.00—Cosmopolitan Club Dinner and Elections. Union.
- 8.00—Lecture on Panama Canal. Huntington Hall.

THE TECH

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SATURDAY, MAY 9, 1914.

IN CHARGE OF THIS ISSUE.

Editor: W. F. Johnson, '17.
Assistants: J. F. Maguire, '16; P. Y. Loo, '16; F. Brooks, '17.

The semi-technical nature of the lecture which the Technology Monthly presents tonight in Huntington Hall is sufficient assurance that the main part of the student body will attend, while its educational features promise that their time will not be wasted. Mr. Lick has the reputation of a lecturer who does not need such an interesting subject to hold the attention of his audience.

The good financial showing already made by the sale of tags for the benefit of the crew shows that the student body looks beyond the errors of taste and judgment made by the individuals in charge and considers the real merit of the crew as a deserving activity of the Institute. We fear, however, that the unauthorized calling of the tag-day, and other details like the unsightly size of the tag and the advertisement on the back have proved a severe handicap, and we hope to see more careful and efficient management in the future affairs of the boat club.

The regatta to be held today over the regular course on the basin is the climax of a year of vigorous, faithful work and keen competition. This gives promise that before long the crew will attain the proportions of a major sport and open another field of intercollegiate competition for Technology.

COSMOPOLITAN CLUB

(Continued from Page One)

sulted immediately by those members yet uninformed of the nominees. It is absolutely necessary that a member be present at the supper if he wishes to vote, since voting by proxy will not be allowed.

Those members who have not sent in their cards, informing the Secretary whether they will attend the supper or not, should leave a note at the Cage for Turpin Hsl if they still wish to attend. The supper will begin at 6 o'clock sharp in order that all business may be finished in time so that the members may attend the lecture in Huntington Hall.

NEW COURSE IN BUSINESS SCIENCE

Official Name Is Course XV, Engineering Administration.

A new course will be added to Tech's curriculum, namely Course XV, and will be opened next fall to the second year students.

There are two usual routes open to the man who wishes to reach the head of a great industrial corporation, one is, as the shop phrase expresses it, "through the boiler room," and the other through the office. The one who begins at the bottom of the mechanical plant gets, of necessity, a thorough knowledge of the technical end of the work. He must acquire what is nearly as essential to him, the business knowledge, as best he can and usually in irregular fashion and from persons not expert in teaching. The man who enters the office must, to an extent, work down and will be obliged to learn as best he can something of engineering.

It is the purpose of the new course to take the middle way and afford to the student practical proportions both of engineering and of administration. The man who graduates from Technology after following this new course will set out into practical life equipped with the essential things in the training of an engineer and a man of business. His later success will depend, as in all other cases, on his innate capacity and his power of profiting by the experiences of life.

In the engineering studies a choice will be offered under three options, Civil Engineering, Mechanical and Electrical Engineering, and Chemical Engineering. While the amount of time given to the engineering subjects is less than that prescribed in the other courses of the Institute, the fundamental subjects have been retained, which will enable the graduates of this new course to fill many of the positions open to engineers. For example, the Civil Engineering option is intended to meet the needs of students who expect to enter upon administrative positions in organizations engaged in transportation or construction of works pertaining thereto, or in the development and distribution of hydraulic power. The option in Mechanical and Electrical Engineering is planned to enable graduates to deal with engineering affairs other than the direct design and construction of plants. Its aim is to give a student a broad, general knowledge which, together with laboratory practice, will enable him to operate or to direct the operation of a mechanical or electrical plant. The Chemical Engineering option will prepare men to deal with the economic administration rather than scientific control of processes engaged in, in industries devoted to the manufacture of such products as textiles, paper, leather, rubber, fertilizers, iron and steel, food and chemicals. Approximately one-fourth of the total time of the curriculum is given to the business subjects and three-fourths to engineering and scientific branches.

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TRACK MEN SHOWING EXCELLENT FORM

Three More Tech Records Are in Danger—Practice Meet with B. A. A. Today.

The last few days the track team has been making great improvements. All the runners are in fine shape. Tommy Huff has regained the strength he lost during his recent illness and is certain of placing in the New England Championships. Sewell, the Freshman athlete, is topping the timbers almost as fast as Huff. Loomis and O'Hara are running the century and the furlong close to record time. The Guething brothers are covering their respective distances in great style. "Doc" Cook, as usual, cuts down his time in the 2-mile by leaps and bounds.

The greatest improvement during the week, however, is in the field events, which have long been the weak spot in our track team. Miller, '15, has bettered his distance of 195 feet by 20 feet since the Holy Cross meet last Saturday. He is just getting on to the style of heaving the weight and by the end of next week he expects to be able to break the Tech record of 130 feet, 10 inches, held by L. G. Metcalf, '12. Doc Leslie puts the shot over 40 feet every day and will give Whitney of Dartmouth a good tussle for first honors at the New Englands. There is, however, still nobody to take care of the discus. Conway, so far, is the best man in this event, but his distance is only mediocre.

Lawrason, '16, has cleared 11 feet in the pole vault in practice and with a little push he should be able to beat the Tech record of 11 feet, 7 inches. The other Tech record, which is most likely to be broken this year, is that of the broad jump. Charlie Fox is jumping over 21 feet, 6 inches, consistently, and his distance of 21 feet, 9 inches, last Saturday was only four inches behind the record. The high jumpers are not getting into form as fast as the others, but they are improving steadily. Sullivan, Tee-son and Hall are all clearing 5 feet, 7 inches, at present.

The practice meet with B. A. A. this afternoon will provide some good experience for the men. Although no score will be kept, Coach Kanaly will take accurate times and distances. The work done by the men will show undoubtedly what the men are likely to do in the New Englands.

JOINT BANQUET
(Continued from Page 1.)

mediaeval guild system on the erection of a church near Philadelphia. In closing he reiterated his belief that if incentive and interest could be given to the craftsman architecture would be much bettered.

At this point Mr. H. C. Hopkins introduced Mr. T. J. Barry as his successor to the presidency of the Architectural Engineering Society. Mr. Barry presented Professor George F. Swain, '77, the former head of Course I at the Institute. Professor Swain

(Continued on Page 4.)

LAST PRACTICE FOR MEMBERS MATCH

Rifle Club Shoot Today—Tech Championship Decided Next Saturday.

Members of the Rifle Club will have their last chance this afternoon to practice for the Members' Match, which will be shot next Saturday. Unless extremely bad weather prevents, all members, with the exception of the team, will leave North Station as usual at 2 p. m. for Walnut Hill. Men on the team are to take the 1.40 train for the Wakefield Range, where practice will be held for the Inter-collegiate Match, which will also be shot next Saturday.

The Members' Match is held annually under the rules of the National Rifle Association, a medal being offered for the winner. The conditions of the match call for ten shots kneeling rapid-fire—1 min. 30 sec.—at a D target at 200 yards; ten shots sitting slow-fire at an eight-inch bullseye, 300 yards; and ten shots prone slow-fire at a twenty-inch bullseye, 500 yards, the possible score being 150. It is open to any member of the Rifle Club.

Two weeks from today all men who desire will be given the opportunity to qualify for the N. R. A. marksman, sharpshooter and expert medals at the Wakefield Range. For these medals scores of 160, 185 and 210 respectively out of a possible 250 are necessary. Shooting is done rapid-fire at 200 and 300 yards, and slow-fire at 300, 500 and 600 yards.

COMMUNICATION

To the Editor of THE TECH:

Would someone kindly tell me why 5 T's were awarded in the dual meet with Holy Cross and not in the meet with Bowdoin? I have always regarded a "T" as a prize very much to be coveted, yet, if they are to be given out in a meet such as that which Holy Cross afforded, my opinion, and I dare say, the opinion of many others, of their value will certainly decrease.

Why not give T's in an inter-class meet? The Holy Cross meet was hardly more than one, in fact they had trouble in getting a single place in most of the events. The times were nothing remarkable, with one exception, and that athlete already wears a T. At Bowdoin the 220 yards were covered faster than any Tech man has performed the feat in five years, and the winner does not wear a T. In every respect the Bowdoin meet was the better. The times were faster, due somewhat to the track, but also to the keener competition. Although the meet was not close, it was certainly not a walk-away like the Holy Cross affair.

Personally, I am not in favor of giving T's at either of these meets, yet if T's are to be given, why not give them to the men who better earned them and who can wear them in the future as a T should be worn?

H. C. Sampson.



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JOINT BANQUET
(Continued from Page 3.)

spoke from the viewpoint of an engineer, emphasizing the practical or utilitarian side of architectural construction. He said that if a building did not fulfill its purpose of erection it was a failure even though it might be of great artistic merit. He compared the art of design to the art of music and said that there was no exact standard in either, but that if a building was planned to contain an auditorium and that, when finished, the acoustic properties were such that a speaker could not make himself heard, the value of the building from the constructive side was nothing. His belief was that the modern architect wishes too much to suit his own tastes in design rather than to suit the tastes of his client.

At this point Professor H. W. Gardner was introduced. Professor Gardner urged that in the future the banquet be called the dinner of the Technology Architectural Department rather than that of the two societies. In this way he stated that the members of the instructing staff would feel freer to come, since they could pay their own way rather than come as guests.

Professor W. T. Lawrence said that an architect could not be made in four years and that the Institute guaranteed not to make him an architect in his four years' course. He said that broad training was essential for success and that an architect needs as much training in design and engineering as it is possible for him to get.

Mr. S. H. Taylor gave several vocal solos, which were well received by his listeners. He was accompanied on the piano by Mr. S. E. Clark.

Professor LeMonnier gave a little talk in French. He was followed by Professor J. O. Sumner, who spoke of several points in Mr. Cram's talk, which had particularly interested him. He said that art was excellent as a means of enjoying life and that he believed the public of today was becoming more and more familiar with the underlying principles of art.

Mr. J. Paul Gardner and Mr. E. S. Couch gave an excellent exhibition of fancy dancing, the former taking the feminine part. Both were in "A Royal Johnnie." Every one present was enthusiastic over their work.

The closing speaker was Professor



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E. I. Williams, who pleased his listeners by giving a partial translation of Professor LeMonnier's talk. The "Stein Song" completed the evening.

FUSSER'S FINISH
(Continued from Page 1.)

seemed to have confidence enough to tackle me. If the tall Junior with glasses, who saw a man with a yellow shirt leaning on the new trophy case about eleven o'clock yesterday morning had only arrested me he would have secured the royalty with ease. However, I won't be found in this position again. It is too suggestive.

I went up to the boathouse to see the class crews on their practice spins. Just as I arrived I noted a rather promising boatload of oarsmen pushing off from the dock. A fellow-watcher volunteered the information that it was the Sophomore boat. Having heard somewhat of the class of 1916 I asked the names of several of the men in the shell. He told me that the man who was pulling hardest was Paul Duff. "He's the fellow who shoots F Company around when Captain Althouse doesn't show up," said my informant. I replied, "Who is the little boy in the stern?" "Oh, he is the manager of the Soph relay team. Didn't you hear how they actually broke a record?" I ventured another display of my ignorance. "Who is he of the bone rims? Is he the boss of the crew?" "Good night," exclaimed my companion. "That's S. Ross Berkowitz. Surely you have heard him?" And thus the day passed on.

I would strongly affirm that I always carry something yellow on my person, and that I will not disclose my identity even if tapped unless the person arresting me can show his warrant, a copy of the last issue of THE TECH.

In closing, let me repeat my five-dollar advice—Watch your neighbor or he will get you—instead of me.

Watchful Wallip

CREW RACES
(Continued from Page 1.)

boat and possibly may show unexpected form. The 1916 boat will probably row as follows: Uhlinger, coxswain; Berkowitz (captain) stroke; Fuller, three; Bousquet, two, and Duff, bow.

The Freshmen have rather a light aggregation, compared to the other boats, but they row in much better form, keeping together well on the

high stroke and consequently getting much speed out of their shell. Their makeup will include Canby at coxswain, MacDonald at stroke, Brooks at three, Dunning (captain) two, and Toye, bow.

The Juniors have been the surprise of the rowing season, having started in as a weak aggregation, they have developed into one of the strongest on the river. Two of last year's men are rowing again, Captain Mumford at stroke and Sifton at bow, while Hawkins at two and Summers at three are the new men. Anderson will cox.

The Seniors have a heavy, powerful crew and ought to force the junior hard to win their race. Their makeup will be as follows: Karns, coxswain; Upham, stroke; Affel, three; Freeman, two; and Todt, bow.

The second Freshman and Sophomore boats will be made up as follows: Freshman—Beaver, stroke; Bertlesen, three; Tuttle, two; and Bill, bow; Demond, coxswain. Sophomores—Hill, stroke; MacRae, three; Stocking or Gaus, two; Wellington, bow; and Harrington, coxswain.

FACULTY NOTICE

By applying to 16 Rogers Seniors may obtain any papers written by them which are now in charge of the English Department.

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