

# THE TECH

VOL. XXXIII. NO. 84.

BOSTON, MASS., MONDAY, NOVEMBER 24, 1913.

PRICE TWO CENTS

## SENIOR DINNER TOMORROW EVENING

**Fine List Of Speakers—Few Tickets Left—Sale Closes Today.**

Today is the last chance for men to secure tickets for the Senior Dinner which is to be held tomorrow evening in the Union at 6.30 P. M. As provision is made only for those who have tickets, all Seniors who have not yet secured them should do so at once.

From all indications, the dinner will be a record-breaker. The Committee has exerted itself to the utmost to make the affair an enjoyable one, and a large attendance is ensured by the fact that this dinner will be the last of 1914's undergraduate functions, and also because of the popular speakers that are to be present. Dean Burton, Professor Sedgwick head of the Department of Biology and Public Health will be special guests of the class.

In case there are any men who have as yet neglected to get their tickets, these may be obtained at the Cage or from any of the following men: D. G. Crowell, E. E. Dawson, A. C. Dorrance, C. P. Fiske, A. F. Peaslee, T. G. Duffield, P. E. Morrill, G. H. Taylor, H. L. Stone, D. L. Sutherland, A. H. Waitt, and J. M. White. The price of the tickets is \$1.00.

## TRACK MEETING

**All Freshmen Required To Be Present Today In 8 Eng. C.**

Today there will be two meetings in 8 Eng. C. for all men interested in track work at the Institute. The Freshmen are required to attend one of these meetings, and all men who do not work will have a cut marked against their names in regular Gym work. Two meetings are held for the convenience of the students, and Coach Kanaly will be on hand to address the men. The meetings will be at 4 and 5 o'clock respectively.

## SOPHOMORE BALLOTS

The Sophomore ballots may now be obtained at the Cage and it is essential that all second year men wishing to vote should do so at once as the ballots are all due at 4 o'clock tomorrow afternoon. In order that the ballots be valid all dues must be paid up to date, and the men who have not paid their dues may do so when they hand in their ballots at the Cage.

## ATHLETIC ASSOCIATION

The Athletic Association will hold a meeting tomorrow afternoon in 8 Eng. C at 5 o'clock. At the meeting several important matters will be discussed, and the officers and manager of the Hockey Team will be elected.

## M. A. H. S. MEN

All men who desire tickets for the football game on Thursday should leave a note for M. Paris at the Cage.

## FRESHMAN TEAM WINS FIRST GAME

**Strong Wakefield Y. M. C. A. Team Defeated In Close Game—Score 32 to 29.**

The Freshman Basketball Team began its season very auspiciously Saturday evening by defeating the Wakefield Y. M. C. A. Team on its own floor by a score of 32 to 29. The 1917 men feel doubly proud because the Wakefield team had already played four games, and beaten Malden Y. M. C. A. and the Melrose High School Alumni among others. An especially large crowd witnessed the game, as a reception was being held in the building at the time, and interest centered in the closely fought contest.

The Freshmen started with a rush, shooting the first basket on a trick play, Richardson to Rausch. Wakefield then woke up, and for the rest of the game the teams kept almost even, neither being able to gain a decisive advantage until the last two minutes of the play. Then, by phenomenal passing work, Tech '17 won out by shooting three baskets in succession.

## LECTURE IN MUSEUM

**Prof. H. L. Seaver and Mr. C. H. Colleston Speak.**

Yesterday afternoon at 2.30 and 3.30, at the Museum of Fine Arts, two very interesting lectures were given by Mr. Clinton H. Colleston, and Prof. Henry L. Seaver, respectively.

Mr. Colleston spoke first, in the Gallery of Early American Paintings, on Copley's portrait of Mr. and Mrs. Izard. He gave a brief sketch of the lives of the subjects, and mentioned the circumstances under which the picture was painted in Rome. He then told the history of the painting itself, and compared it with Copley's portrait of himself and his family. Copley's style, and the effect which the painter's visit to England had on it, were discussed. Mr. Colleston closed with a few comments on some other Copley paintings in the room.

At 3.30, Professor Seaver lectured in the English-French Gallery of Paintings, on Sir Thomas Lawrence. Besides the paintings in the gallery, he exhibited several reproductions of Lawrence's works. These were largely portraits of society leaders of the time, and he deplored the fact that so much of the painter's time was taken up by this sort of work. He said that Lawrence rarely finished portraits in a short time, and cited cases where fifteen years elapsed before they were completed. An other of his peculiarities was that, whenever he did a particularly well-executed face, he stopped work on the portrait at once and made a second one for his client; this explains his many uncompleted pictures.

Both these lectures were well attended, and at their close much interest was shown in the small prints shown by Prof. Seaver.

An article on The Struggle for College Democracy is printed in Outing for November, 1913.

## M. I. T. CROSS-COUNTRY TEAM SPRINGS SURPRISE

**Wins Third Place—Every Man Does Well, F. L. Cook '15 Earning His "T."**

Last Saturday, in a race that impressed the onlookers with its severity, R. Boyd of Harvard won the I. C. A. A. A. Run in New York. Hoffmire of Cornell got second and McCurdy of Penn was a close third. The Cornell men, however, bunched better than Harvard, and won the team honors with a score of 68 to 92. M. I. T. came next with a score of 103.

Tech's taking of third place in this race proves conclusively that the team suffered a slump at Hanover. F. L. Cook '15 was the first man to score for Tech, and by placing ninth he won his "T." In twelfth position close behind him, came Capt. H. F. Nye, with H. S. Benson two places later. Then there was quite a space when E. M. Newlin came in thirty-third. This was the beginning of another group, for C. T. Quething got thirty-fifth and C. S. Lee '14 got thirty-seventh. Of the individual men it is not necessary to speak. All ran well, and far beyond the expectations of the school, which did not even give them a send-off, although when they arrived in New York they received great encouragement from several of the Alumni, among whom were Risdale Ellis '09, captain of the cross-country team in '08-'09, and W. G. Kelly '09, captain of the hockey team in the same year.

Coach Kanaly and those who have been watching the teams work knew that the team was very fast, but that Tech should thus flash to the front was beyond the fondest dreams of any. In the time trials throughout the season the men have been cutting down their own times as well as breaking the records of former year's performances. Phenomenal work has not been a strong point with the men, but on the contrary, under the careful supervision of the Coach and Doc Johnson there has been that persistent improvement, indicative of true worth. Besides this, it should be mentioned that the men, who go out five or six times a week after a hard day's work to practice stiff runs, are not liable to be made of inferior stuff. This is especially true of this year's team. They have worked steadily and with a will. Looking ahead to next year's prospects they are especially bright. Of the men who scored we will lose but one, Newlin. Capt. Nye expects to be back with us next year, and as he has not been in four years' intercollegiate competitions, he is still eligible for the team. To replace the outgoing men there is quite a stock. Best '15 may be expected to improve in the coming year. Donnelly '17 showed possibilities last Friday at Andover, and has been showing up well throughout the season. F. J. Wall, who is absent from the Institute this term, expects to come back in January. He was the second man to score in both Intercollegiate races last year, and ran exceptionally well last spring. Besides this, there is much material for development in

(Continued on page 3.)

## M. I. T. CROSS-COUNTRY RUN AT WAKEFIELD

**Hare And Hounds Club Offers Three Cups To The Winners.**

Next Saturday the Annual Handicap Cross-Country Event will be run off at Wakefield over a seven-mile course. Three cups offered by the Hare and Hounds Club are at stake. One cup is to be presented to the man making the fastest time, and that cross the finish line. These cups are now on display at the Union. Besides this, there is the additional incentive that the first four to cross the line will receive their cTe's.

This affair has been arranged for the special benefit of the lower classes, and for this reason a large number of competitors are expected to turn out. The Varsity men are to start at scratch; other competitors will have a time allowance of six minutes.

On Wednesday afternoon there will be a walk over the course and the men who go should plan to take the 2.14 train from the North Station. Everyone going must notify L. E. Best '15 who is to conduct the men over the course.

## 1917 BASKETBALL

**Two Teams Chosen—Practice This Afternoon.**

The Freshman Basketball is progressing rapidly, and two teams, A and B, have already been picked. Team A is composed of Cawlin lf, Rausch rf, Gokey c, Kendal lb, Richardson rb, Gelchel f, O'Brien b, and Gargan, substitute center. On team B are Leavitt lf, Pierce rf, Schoonmaker c, Ferguson lb, Rogers rb.

The manager wishes it distinctively understood that even though teams have been chosen, there is still a fine chance for good men. However, if any Freshmen want to make the team, they must come out for it soon.

Team A has already been provided with suits, and Team B will have theirs in about a week. A schedule has been arranged for Team B, consisting of eleven games, with more to be added.

Practice will be held this afternoon at 5 o'clock. All men named above are requested to come out, besides any others who possibly can. The men in Team B are to report at the Union at 4.00 P. M., Tuesday, for a blackboard talk on signals and plays.

## CALENDAR

**Monday, November 24, 1913**  
4.00-5.00—Track Meeting—8 Eng C.  
4.00—1917 Basketball—Gym.  
**Tuesday, November 25, 1913.**  
4.00—1916 Ballots Due—Cage.  
4.00—1917 Basketball Team B Meets—Union.  
5.00—Athletic Association Meeting—8 Eng. C.  
6.30—1914 Dinner—Union.

Seventy-five per cent of the students of New Hampshire College are self-supporting. Twenty-five per cent depend on their relatives and friends for absolutely nothing.

# THE TECH

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MONDAY, NOVEMBER 24, 1913.

## In Charge of This Issue

Editor—Herbert W. Anderson '15.  
Assistants—J. M. De Bell '17, A. E. Keating '17.

## SPANISH AMERICA

The question discussed in today's communication from J. Masferrer deserves serious consideration. There is no doubt that Spanish America will play a much more important part in the future affairs of this country than it has in the past. It seems less certain that the history course under discussion would materially advance our knowledge of the important facts concerning our sister republics, but those who should know best about it seem to think it would do so. An elective course like the one mentioned would be a hardship to none, and might be highly desirable to certain students. One way of ascertaining whether the number would justify the expense would be to compile a list of those desiring to take such a course.

## THE CROSS-COUNTRY

The fact that the captains of the cross-country and hockey teams of the season of 1908-1909 were both among the Tech supporters at the Varsity cross-country is indicative of the spirit shown by graduates of the Institute, particularly those who were interested in activities while here. We are glad these men were able to see Tech make such an excellent showing.

## COMMUNICATION

The fact that the Massachusetts Institute of Technology is an International Institution is shown by the large percentage of foreign students yearly registered. Also, the Faculty is dependent upon international co-operation for the achievement of the highest results in each particular field of endeavor, since every science taught has been built up by the cumulative services of men in every nation in the successive ages.

The Institute at present maintains some courses of instruction that stimulate interest in international relations and tend to develop a more intelligent public opinion concerning human fraternity and the solidarity and unity of all social interest.

The rapid financial and educational progress of the republics south of the Rio Grande have forced the whole United States to stop and consider. American business men are seeking the market of these nations. American youths foresee a business or professional future in Spanish America.

The Institute has always stood for educational progress. It was long before a course in the Spanish language was added to its curriculum; but we must give it credit for the establishment of a special course in English for its foreign students. The need of knowledge of the history of Latin America is felt strongly throughout the educated world. Already several American colleges have added a course in it to their curricula.

I think the time has come for the student body to consider the benefits of the addition of such a course to the list of General Studies in the third year, and for the Faculty to study the possibilities of introducing such a course in 1914-1915 if the Institute is to lead all other colleges in the progress towards education.

I should be very glad to hear different opinions in regard to this course from the graduate and undergraduate members of the Institute as well as from the instructing staff, through the columns of this paper.

Joaquin Masferrer.

## COLLEGE NOTES

Walter Christie, the noted trainer of track athletes, states that after twenty-five years of experience he has reached the conclusion that one-fourth of the efficiency track men comes directly from the cheering of the rooters. The athlete, he says, must have music and noise to keep him going.

Christie claims that in the inter-collegiate races on the West Coast, California men invariably slow down while passing the rival rooters from the rival Stanford team, but that upon reaching the other side of the grandstand, they speed up due to their proximity to the rooters from their own school. The principle involved is one well known to psychologists as "crowd-contagion," and is a recognized factor in determining the strength of the contestants. It is said that a man breaks quickly into his reserve strength when a thousand throats are helping him wield the battering ram. A show of abnormal strength is usually coincident with a loud cheer from the bleachers.

Chemists will be interested in Dr. Wiley's discussion of the use and abuse of benzoate of soda and saccharin in foods. This discussion is printed in the November number of Goodhousekeeping Magazine.

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### SCIENTIFIC AND ENGINEERING NOTES

The maintenance of a railroad out of Kashmir across the Himalaya Mountains to the plains of Punjab in Northern India is a very difficult piece of engineering, and the Indian government is obliged to spend annually the enormous sum of five hundred dollars per mile for this purpose. This is due to the loose nature of the soil which causes frequent disastrous land slides and washouts in the heavy rains. Reports received from Mr. H. D. Baker a government representative in India tell of the construction of what will be by far the longest cableway in the world (75 miles), which is to replace the present railroad and the operation of which will be commenced next year.

In describing the proposed plans, Mr. Baker says:—

"The cableway will be constructed in big spans of about 800 yards each, with fixed cables upheld by iron pillars or towers of latticework, some of which will have to be 100 feet high. There will be separate sections every five miles and separate cables for out and incoming freight. These will be nine feet apart and will have a diameter of one and one-half inches and from them cars will be suspended, about thirty to the mile, carrying 450 pounds of freight each. These cars will be carried over great gorges and precipitous hills, and in some cases there will be a sheer drop of 1200 feet underneath them. The transfer of cars from section to section will be automatically accomplished by revolving drums which will effect the release of the cars and their gripping to the hauling ropes of the next section. In account of the difficulty of expansion and contraction from heat and cold, the cables will be equipped with a complicated system of springs anchored with tremendous weights to make them of constant length throughout the whole year.

Some of the peasants of Stavanger obtain their sustenance from a "daily manna" in the form of extensive amounts of seaweed which the ocean is continuously washing upon their shores. Their rather unique trade consists of gathering the seaweed, drying it in the sun, and then burning it. The ashes sell for 13-10 cents per pound, and over 1500 tons are annually exported to Scotland, there to serve as a raw product for the extraction of the valuable iodine which they contain.

### TECH THIRD

(Continued from page 1.)

the Freshman class as shown by the bunching in last Friday's run. Graff '16 would also have made the team this year, had it not been for a bad foot. If these men will only stick to their training, as there is every reason to hope that they will, there is no reason why a betterment of Saturday's results may not be expected next year, for the other colleges are practically without exception losing some of their stars.

Another thing to which we may look forward in the future is a more attractive list of dual cross-country meets. Harvard cannot fail to think us worthy of her metal, and such a dual run would be invaluable to our men as regards experience. A race like that of last Field Day is too one-sided to be of any value at the end of the season, although it would be good as a practice run in the same waw as the B. A. A. run this year.

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**DR. FLEISCHER  
TALKS ON SANITY**

Small But Attentive Audience Hear Interesting Lecture In Huntington Hall.

Dr. Fleischer delivered a very interesting talk yesterday afternoon in Huntington Hall on the relation of "Sanity" to mental and spiritual welfare.

In introducing his topic, Dr. Fleischer called attention to the fact that religion is merely an expression of our relation to the Infinite, and that it was of this relationship that he wished to treat.

Our religious beliefs should, he thinks, be supplemented by reason. We must free ourselves from that inherent dread of a change from an old order to a new, and accept the true facts of life unhampered by tradition and a blind acceptance of old creeds.

In following out this plan, he said, there seemed to exist in the minds of many that a destruction of faith would result. That this is absurd and groundless is easily proven when the fact that faith is far beyond mere creed is taken into consideration, and that faith is all-enduring and strengthened rather than dissipated by the introduction of what is after all simple truth.

This desire to delve after the fundamental truths of life, and to proceed from them is, he thinks, the characteristic feature of the present age. That this is the only sane, wholesome, and dependable way, and that this alone gives solid, enduring worth to spiritual interpretations is his contention. This "Sanity" is the essential basis of all things, and paves the way for a finer and more seeing faith.

The supposition that the masses must be held in fear and ignorance he regards as the greatest enemy of human progress, terming it treasonable in the highest degree to man to believe that ignorance alone could have faith.

In conclusion he stated that he liked to regard Sanity as demanding an all-balanced life, in which every aspect of life is given its full value, and faced in the fearless manner demanded by a progressive and enlightened age.

**FACULTY NOTICE**

Problems in Physics Heat 802 are due Dec. 1, 1913, at 9.00 A. M. in 4 Walker. The numbers in the old edition of the problem book were announced in the lecture. The corresponding numbers in the new edition are: 8, 15, 28, 35, 45, 57, 59, 65, (72 and 73), 80, 87, 99, 101, 102, and 104  
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