

# THE TECH

VOL. XXXII. NO. 92

BOSTON, MASS., THURSDAY, FEBRUARY 20, 1913

PRICE TWO CENTS

## RELAY TEAM WEAKENED BY LOSS OF GERMAIN

### Track Captain Will Be Unable to Run Saturday—Teams Picked.

Technology's chances of winning from Harvard at Providence Saturday have been considerably lessened by the illness of Captain Germain. The latter has been in a very weakened state for some time on account of excessive Institute work earlier in the year. Nevertheless he has been coming out for practice, since the need of good men for the relay team was very evident. This week, however, he has had an attack of malaria, and consequently will be unable to participate in Saturday's races.

It is the intention of Coach Kanaly and Captain Germain to place the best men of the squad on the two-mile team. This is planned because Technology can not very well win both races, and it is hoped in this way to win at least one. To this end T. H. Guething, Bolton and Munch are entered in the two-mile event, for which they have been given some practice. The addition of any of these men would have strengthened the team and practically assured Technology of victory. Now that Germain is unable to run the team is considerably weakened, but with all the remaining strength concentrated in the two-mile team the race is sure to be a good one, and Technology may yet prove the winner.

The final selection of the teams was made yesterday afternoon by Coach Kanaly after several more trials had been run off. The two-mile team is composed of H. S. Benson, J. W. Bolton, C. T. Guething and T. H. Guething. All these men are strong runners and possessed of great speed as well.

The team which will represent Technology in the shorter distance is made up of the following men:

W. E. Adams '16; T. J. Barry, '15; A. B. Curtis, '15, and C. S. Reed, '16. The team is not the fastest which could be put in the field, but can be depended upon to put up a good fight.

## SHOW ORCHESTRA.

The Tech Show Orchestra gave a big concert last Tuesday night at the Franklin Square House. It lasted for a full hour and a half, and the officers of the House were so pleased with the splendid evening's entertainment that they immediately gave the Orchestra a return engagement for next year. The hall was crowded to its utmost capacity, and many who were unable to secure seats thronged the doors. After the concert all participated in a dance, in which fully two hundred couples were on the floor.

## TECH CANDIDATES.

A meeting of all candidates for THE TECH is to be held in the lower office of the paper tomorrow, at 1.30 o'clock. All members of the Freshman English class who are substituting work on THE TECH for work required by the English Department must be present, as well as all men who intend to come out for THE TECH but have not yet done so.

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## CHAPLAIN TO SPEAK AT UNION TODAY

### Mr. Stebbins, of the Charlestown Prison, to Give T. C. A. Talk.

The speaker whom the T. C. A. has selected for today's talk needs no introduction to the student body of the Institute. Rev. Herbert W. Stebbins, chaplain of the State Prison at Charlestown, will be remembered by all regularly attending the Association's lectures. His subject for today is, "Why Men Come to Prison," and judging by his talk of last year, should prove to be as interesting a lecture as we have thus far had the opportunity to hear.

In his last year's address the Rev. Stebbins discussed "The Building of Character Behind Prison Bars." He described his "uplift work," by means of which he aims to make good and useful citizens of those men who, through misfortune or often through ignorance, find their way behind the prison bars. To Mr. Stebbins they are never "prisoners," but always "men," men who in spite of mistakes and weaknesses are still capable of filling places of trust and responsibility. It is Mr. Stebbins' purpose to send these men out into the world at the end of their sentences able to earn an honest living at some trade or profession, and considering that there are usually about eight hundred men in the prison, he has no easy position.

The purely religious work in the prison consists of the Sunday morning service, which the men are expected to attend. A special Catholic service, however, is held earlier in the morning for those who prefer may attend. Besides the religious work instruction in a great many subjects is offered to ambitious men, who are provided ample reading material both from the shelves of the prison library and the Boston Public Library. Then there is the weekly Saturday afternoon recreation period, which helps to make prison life more bearable. These and many other points will be discussed by the Chaplain, and for any one who has any interest in the welfare of the poor unfortunates, the lecture cannot help being full of interest.

## SHOW CANDIDATES.

### First Choice of Cast Will Be Made This Afternoon.

All candidates for cast positions in this year's Tech Show are expected to be at the Union at 4.15 P. M. this afternoon. Mr. Eugene B. Sanger, the coach for the Show, will be in Boston today to choose men for the parts. It is very likely that this afternoon's choice will be final, so all men who want positions should be on hand.

There was quite a large number of men present at the first meeting last Saturday, but very few seemed to be ambitious enough to try for positions in the cast. This year the Show offers greater opportunities to new men than usual, as seven of last year's cast are either away from the Institute, or for some reason or other are unable to come out. All men who are interested and are willing to work are requested to be present at today's meeting.

beauties that adorn the back row in Professor Derr's Physics lecture?

## SOPHOMORES LOSE TO FRESHMAN FIVE

### Nineteen-Sixteen Wins Loosely Played Game—Brockton De- feats Juniors.

The Freshmen drew first blood last night in the Sophomore-Freshman basketball series in a loosely played game by the score of 22 to 17. At the end of the first half the Sophomores had a lead of five points, but the first year five came back strong in the second period and cinched the game by caging six baskets from the floor.

At the beginning of the game the Freshmen played a stronger game on the floor but their shooting was poor. Nineteen-Fifteen son got together and showed some good individual work, but their team work was poor, and this fact proved a large factor in their defeat. McBride played a star game for the Sophs, caging a couple of baskets at difficult angles. Morse, at forward, also played a strong game, handling the ball in good shape. Neuman had things his own way at center and played a heady game throughout. Scully, the star of last year's five, was not up to the mark, but he covered his man in fine shape. At right back, Johnny O'Brien had an off streak, too, and showed a little roughness.

After the intermission, with the score 15 to 10 against them, the Freshmen got together in fine shape and played circles around the Sophomores. They kept the second-year men from scoring in this period, although Hauman, right guard for 1916, furnished the sensation of the evening by securing a goal from the floor for his opponents. The best game of the evening was put up by Reyeroft, who caged five baskets and played a strong, aggressive game throughout. Dewson, the Freshman captain at center, also played a hard game and handled the ball well on the floor; his work in the second half helped materially to win the game and scored two fouls; his work in following the ball showed good head work on his part. (Continued to Page 2, Col. 2.)

## INSTITUTE COMMITTEE.

### Consideration of New By-Laws at Meeting Tomorrow.

The first regular meeting of the Institute Committee this term will be held on Friday, February 21, at a quarter past four, in Room 8, Eng. C. The very important subject of the Institute Committee Constitution and By-Laws is to be considered. The committee will receive reports from the following: Institute Committee Treasurer, Point System Committee, Union Committee, Special Bulletin Board Investigation Committee, "Was Ist Los," Finance Committee, Bulletin Board Committee and "Concerning M. I. T." This meeting is one of the most important that the committee will hold this year.

## HARE AND HOUNDS' CLUB.

The Hare and Hounds' Club will meet on Monday, February 24, at 1.45 P. M., in Room 8, Engineering C. This meeting will be held for the purpose of electing officers for the ensuing year. It is important, therefore, that all of the members of the club should be present.

## LARGE GIFTS FOR TECH ENDOWMENTS

### Telephone Co. Endows Electrical Research—Also Supports Vail Library.

President MacLaurin has just announced a gift to the Institute from the American Telephone and Telegraph Company of five thousand dollars annually for five years. This money is to constitute a special fund devoted to maintaining, cataloguing and increasing the great electrical library recently presented to the Institute by the same company.

This library, which was originally collected by an eccentric Englishman named Dering, is, without doubt, the most comprehensive collection of electrical books and pamphlets in the country. As it was presented to the Institute through the agency of Mr. Theodore N. Vail, president of the company, it has come to be called after him, the Vail Library.

In addition to this Mr. Vail promised at the same time a gift of greater significance from the Telephone Company, for the support of an endowment in electrical research for five years. The only restriction is that the gift shall be used within the domain of electricity. The amount is yet to be finally determined, but from the attitude of the company and its president there is no question but that it will be liberal.

In talking the matter over with President MacLaurin, President Vail said that he believes that the time has come when important firms and corporations realize the need of carrying on broad research in which the outcome is not limited to the matters that seem close to the business in which they are engaged. When such work is to be done there are evident advantages in committing it to an educational institution where experimental facilities are provided, and where the results may be obtained free from bias of the commercial kind.

The electrical department of the Institute has been exceedingly fortunate during the past year, for besides the library, valued at about one hundred thousand dollars, and twenty-five thousand for its maintenance, and the proposed gift by Mr. Vail's company, there has been given by the Edison Electric Illuminating Company of Boston a guarantee of about ten thousand dollars for just such broad work in research as Mr. Vail indicates, while Edison himself and others have helped for various special investigations.

## CALENDAR.

Thursday, February 20, 1913

1.30—T. C. A. Talk by Rev. Herbert W. Stebbins—Union.

4.15—Glee Club—Union.

4.15—Candidates for Cast of Tech Show—Union Dining Room.

Friday, February 21, 1913.

1.00—Meeting of 1916 Governing Board—Rogers.

1.30—Candidates for Tech—Lower Office.

4.15—Institute Committee—8 Eng. A.

4.15—Candidates for Assistant Stage Manager—Show Office.

4.15—Candidates for Chorus of Tech Show—Union Dining Room.

7.00—Chess Club—Union.

7.15—Musical Club Concert—Chelsea.

# THE TECH

Entered as second-class matter, Sept. 15, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

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E. H. Townsend, 1916.....G. W. Wynne, 1916  
E. P. Gray, 1916.....W. T. Kaleszner, 1916

THURSDAY, FEBRUARY 20, 1913

President Vail in making the announcement to Dr. Maclaurin of the intention of his company to endow research in the Technology laboratories, called attention to the growing feeling on the part of large commercial interests that it is good judgment to invest in scientific researches of broad scope, and in so doing presents another aspect of the matter of commercial research versus research in educational institutions that is not always fully realized, namely, the effect on the men engaged in the two kinds of work. In the great corporation the atmosphere is that of commercialism, the talk is of big figures, of large salaries, and the young man may readily absorb ideas that will cause him to quit research for the great struggle of active business, where permanence of position, uniformity of product, and skill in investigation with other good factors are sacrificed to the rush for money.

Much of the work of this kind in the past has been behind closed doors in private laboratories, and solely along lines of visible advantage in a business way. Lately, however, endowments have been made in which the direct benefit is not the fundamental purpose, but rather the advance in knowledge. So far as Technology is concerned, the ice was pretty effectually broken more than a year ago by the fund furnished by the Edison Electric Illuminating Company of Boston for motor vehicle research, in which the company asked only the facts and their speedy publication for the benefit of the world. Of similar nature is the Keith fund for research in the bacteriology of eggs. In both instances the prime object is to get at the truth, whatever it might say.

Broader than either of these is the fund that is to be furnished by Mr. Vail's company. It will be of important size and the Institute is in no wise limited in the field of work in which it is to be expended, save by the words, "electrical investigation." Technology is free, therefore, to determine for itself in what directions may lie the matters most urgent or most valuable. Such freedom in giving is certainly a freedom much to be commended.

The atmosphere of the educational laboratory puts commerce in the background and substitutes interest in the work. Here it is that patient men, filled with enthusiasm at adding to the world's store of knowledge, may study and experiment under the most favorable conditions. With greater responsibilities the laboratories may hold out to research assistants opportunities and advantages which have thus far only been possible in other lands, where research has become a principle. With the splendid facilities they possess, the equipments of such institutions as Technology will, without doubt, prove of great advantage in forwarding the efficiency of business by gaining for it the precise facts of science. Thus it may be said that research in educational laboratories, endowed by commercial interests for broad investigations, is the coming word in efficiency.

## MEETING HELD TO ORGANIZE BOAT CLUB

Twenty-Eight Men Interested in Crew Effects Its Establishment.

Twenty-seven men attended the meeting for the purpose of organizing a boat club yesterday afternoon in the Union. As a result the Technology Boat Club was permanently organized and temporary officers elected as follows: President, E. C. Gere; Secretary, Treasurer, C. E. Sifton, and temporary Manager, W. J. Stewart.

Gere was manager of last year's crew and has been connected with it since the first year the institute had a crew. Although a comparatively new sport here Technology's record in this line is worth being proud of. The crew has raced the Harvard Juniors and defeated the Union Boat Club twice. The crew possess but one shell now but it hopes to be able to obtain another this year. Its headquarters will probably be at the new B. A. A. boathouse.

The following men were present: Achard, Bousquet, Loo, Hobbs, Wellington, Maier, Todd Smith, Duff, Stowell, Malone, McRae, Jewett, Howkins Berkowitz, Rowlett, Sabin, Caler, Duffield, Horbakowsky, Lamson, Kaula, Gere, Marion, Sweet, and Sifton.

## BASKETBALL GAMES.

(Continued from Page 1, Col. 3.)  
part. Wyld put up a stiff game at oack and kept Scully at work following him around the floor.

The summary:  
1915. 1916.  
Scully, r. f.....l. b. Wyld  
Morse (Capt.) l. f.....r. b. Hauman  
Neuman, c.....c. Dewson (Capt.)  
O'Brien, r. b.....l. f. Reyeroft  
McBride, l. b.....r. f. Ziner  
Score—Freshmen, 22; Sophomores, 17.

Goals from floor—Reyeroft 5, Dewson 2, Wyld 2 Ziner 1, McBride 3. Morse 2, Scully 1, Neuman 1.

Fouls—Ziner 2, Morse 1.  
Time of halves—20 minutes.  
Referee—Kendricks, '13.

Between the halves of the first game and after its finish the Juniors met defeat at the hands of the Brockton Y. M. C. A. quintet by the score of 24 to 21. This game furnished the interest of the evening, and was marked by fast playing throughout with quite a little roughness which caused the calling of several fouls on 1914.

The Juniors had the lead at the end of the first half, with the score standing 8 to 3 but lost out in the second half through lack of head work. Only at moments did they show streaks of last year's brilliancy. Readon, the Y. M. C. A. captain, put up a star game for his team on the floor.  
(Continued to Page 3, Col. 2.)

## WILLIAMS VICTOR.

Hockey Team Defeated by Score of 4 to 3.

The Tech Hockey Team went down to defeat yesterday by a score of 4 to 3 after a good fight against the Williams seven on the rink at Williams-town. Technology showed powerful offensive work and a versatile forward line, but the defence was not up to the standard. The score and lineup were as follows:

Williams. M. I. T.  
Rogers, g.....g, Ranney (captain)  
MacNamee, p.....p, Eichorn  
Conklin, c p.....c p, Stuck in  
H. Cutler, r.....r, Foote  
C. Cutler, c.....c, Hurlbut  
Curtis, Moody, King, r.....r, Fletcher  
Swain, l w.....l w, MacLeod  
Score—Williams 4, M. I. T. 3. Goals—  
H. Cutler 2, Curtis, C. Cutler, Fletcher, Hurlbut, MacLeod. Referee—Peacock of Pittsfield. Goal umpires—Michler and Reynolds of Williams. Timer—Crawford of Williams. Time—20m. periods.

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COMMUNICATION.

To the Editor of THE TECH:

In what place, of all the buildings and halls of the Institute, should conditions for the development of "Tech Spirit" be most favorable? There is but one answer, "The Union." A stranger coming into the rooms of the Union during any of the busier hours of the day might be easily convinced, as far as conditions of cleanliness are concerned, that he had happened by mistake into a South End pool room. This condition of affairs is deplorable, and is caused by the facts set forth in the following paragraph:

The Union has been built and open to students since 1908, five short years. Previous to that time the only places available for the satisfaction of the social needs of the students were two rooms in the Mechanical Laboratory on Garrison street. Men who entered the Institute up to and including the class of 1911, knew what it was to be without a place to spend a pleasant hour. Activities knew what it was to have no proper place for meetings. Consequently, when our new Union was built there was a spirit of appreciation on the part of those who patronized it, which was shown in a positive manner by the excellent condition in which the rooms were kept. The classes since 1911 have always had the Union at their service. The upperclassmen can still recall how during their Freshman year their Seniors referred with pride to "Our Union." The last few years have seen a growing lack of interest on the part of the undergraduates. An absolute disrespect and disregard for neatness, becoming deportment, and even honor, has recently shown itself among our lower classmen. Witness the slovenly appearance of the Union room at 2 P. M., the occasional wearing of hats in the living room, and recently the disappearance and mutilation of six out of nine volumes of the "Oriental Nights" from our library.

Not long ago a student, a third year man, unfortunately, was sitting in a chair near the fire-place, reading a newspaper and smoking. He was apparently discouraged about something or other, and threw the paper on the floor in disgust. As he rose to leave the room he flung his cigarette in the general direction of the fire-place; it landed in the middle of the floor.

That same evening I saw the fellow at the Technology Club. He was sitting on the lounge in front of the fire-place smoking and reading. He reached carefully over the fender to shake the ashes from his cigar, and when he finished reading returned the paper to the table where it belonged.

Environment to a large extent moulds our actions. Environment at the Tech Union has for some time past been approaching that of a street loafer's club. It is high time every Tech man took a stand. The House Committee is working its best to supply an environment creditable to a Walker Memorial, but without the support of every fellow in the Institute behind it little can be accomplished.

Fellows, remember what Tech Spirit stands for, and has always stood for. What it shall stand for depends on you who are here now, and the place for you to decide what this stand shall be is the Union.

Yours truly,  
Miles E. Langley, 1913.

**SUPERVISOR WANTED.**

Secretary Talbot of the T. C. A. announces the need of a man at the Cambridge Neighborhood House to take general charge of the place. This is an excellent chance for a man who is a good disciplinarian, and who has had a little experience in settlement house work. The position carries with it free lodging at the house, and the only return asked is that he act as supervisor. Any man interested in this opportunity can secure definite information by applying to L. R. Talbot.

**TECH SHOW WANTS FRESHMAN ASSISTANT**

**Competition in Stage Department to Begin Tomorrow Afternoon.**

Competition for Assistant Stage Manager of Tech Show, 1913, will begin tomorrow. This competition is the last of those held by the Show for positions in the managing department, and is a final chance for all Freshmen who wish to come out for a department. Manager C. P. Fiske will meet all those interested in this activity in Room B, the Union, at 4.15 Friday afternoon. He will outline the duties of the Assistant Manager and give any other information desired by the men.

There are three men in this department, a manager, an assistant manager and a second assistant. The last of these positions is to be filled by the competition to be held tomorrow. The stage management has charge of the actual staging of the Show, so that its work is about the most interesting done by any department. Its members are responsible for the procedure of rehearsals, and they have to deal with the final picking of the cast and chorus.

The work of assistant consists mainly in taking attendance at rehearsals, helping with the prompting and making himself generally useful. If an assistant does good work he is generally made manager in his Junior year, with a chance of being appointed general manager in his next year. The stage department has entire charge of the trips at which it is responsible for all the men and stage accessories connected with the Show.

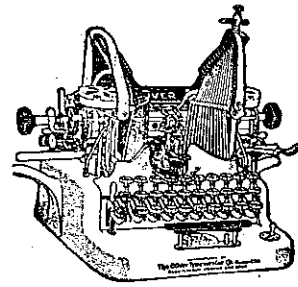
This competition is intended principally for Freshmen. It offers the best opportunity to men to become members of the management of Tech Show, 1913, as all other departments are complete, and no chance of joining them will be open until next year.

**BASKETBALL GAMES.**

(Continued from Page 2, Col. 2.) Brockton seemed unable to locate the basket during the first half and took all sorts of fly shots. By close and careful playing during the latter part of the game they were able to come out ahead. A basket scored by Reardon near the close of the game was disallowed by the referee under the rules with which they were playing, but as the Association team refused to continue unless the score was given them, Captain Williams gave them the points. Lawson, at right forward, located the basket on several difficult shots and played a consistent game on the floor. "Buck" Friedman, manager of last year's Varsity basketball squad, played left back for Brockton, but did not display his former form. Sheehan and Pitcher played a steady game, the former scoring two fouls. Baldwin, who replaced Sheehan, showed a burst of speed for the short while he played.

Bryant, at left back for the Juniors, put up the best game of the evening, caging five baskets from the floor, some of which drew bursts of applause from the crowd. Comber, last year's captain, showed some of his former speed, playing a strong game at all times, and scoring a few baskets by brilliant shots. Williams played a good defensive game, and Tirrell, at forward, showed occasional good work but lacked speed. At center, Fox showed good head work, but Ruoff, who played this position in the last half, was slow on the floor.

The summary:  
Brockton Y. M. C. A. Tech, 1914.  
Reardon, r. f. . . . . l. b. Bryant  
Lawson, l. f. . . . . r. b. Williams  
Pitcher, c. . . . . c. (Ruoff) Fox  
Sheehan (Baldwin) r. b. l. f. Comber  
Friedman, l. b. . . . . r. f. Tirrell  
Score—Brockton Y. M. C. A., 24;  
Tech, 1914, 21.  
Goals from floor—Bryant 5, Comber 4, Reardon 3, Lawson 4, Pitcher 2, Friedman 1, Baldwin 1.



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**FACULTY NOTICE.**

First Year, Section 1, is abolished on Saturday, February 15th. Students taking no language are transferred to Section 4. Students taking Elementary German are transferred to Section 12 in all subjects. Other students may select a section from the list of small sections: 3, 4, 5, 8, 10, 13.

WALTER HUMPHREYS,  
 Registrar.

**MUSICAL CLUBS**—All men must be at Scollay Square subway station at 7.10 P. M., Friday, February 21, for the Chelsea concert.

**REGIMENTAL PICTURE.**

"Battalion—Forward—March!" The Freshmen certainly were surprised to have battalion drill on Wednesday. The further surprise of the battalion continuing to "Forward, March," instead of the customary "Column Left" at the door, was almost too much for them. Out through the door of the Armory the Cadets marched, rudely leaving behind the ladies who had come to see them drill. No doubt the startled Back Bay thought that a regiment was off for Mexico to be shot at. Our soldiers were shot at indeed, but by a camera instead of a gun. The first shot was fired just as gallant Company B reached the corner of St. Botolph street. The second was fired at the regiment as it was drawn up in line of battle at the side of the board track. The third and last shot came as the First Battalion were executing a marvelous "Companies—Right!"

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DEPT. OF ENGLISH.

**FACULTY NOTICE.**

First Year.  
 Following is a list of sections which are relatively small: 3, 4, 5, 6, 10, 13, 16 and 17. Students who are obliged, because of conflicts, to change their sections, may be admitted to these but not to other sections.  
 WALTER HUMPHREYS,  
 Registrar.

**FACULTY NOTICE.**

Second Year Mathematics, Section 3 of Course X, is temporarily combined with Section 2.  
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