

THE TECH

VOL. XXXI. NO. 25

BOSTON, MASS., WEDNESDAY, OCTOBER 25, 1911

PRICE TWO CENTS

WORK ON TECHNIQUE PROGRESSING RAPIDLY

Opportunity For Men Who Can Draw Well To Make Full Page Cuts.

The work on *Technique*, 1913, is progressing rapidly and all departments are busy. There are twelve departments and an editor at the head of each. In the most of this work each editor takes care entirely of his special department, but there are several branches where extra work is necessary, and in each case assistants are chosen by the board. This has already been done in the art department, but there still remain two positions on the board to be filled by men who are members of the class of 1913. These positions are on the business staff, and this is one of the most important departments on the *Technique* Board. In fact the entire success of the book rests upon this department, because, without money, nothing can be done.

The *Technique* is, in reality, the publication of the Junior class, and the board is only the organization necessary to publish such a year book. The responsibility rests upon them for the success of the undertaking, financially as well as otherwise. But the board, at least, deserves the heartiest support and co-operation of the class particularly and the school as a whole. *Technique* is a book which presents to the school the full record and account of everything which takes place at Tech during the school year, and this can only be done to the greatest advantage to all when the board is backed up by the entire student body.

So far there are only four men out in the competition for the assistant managerships, and there should be at least ten men in the Class of 1913 who could give some time and interest to the *Technique*. Many advantages are derived from this work along the lines of business education and practical experience, besides a position on the board.

There is also a fine opportunity for men interested in art work to design headings and full-page cuts, and the best of these will be chosen to appear in the 1913 *Technique*. As yet there have not been many contributions to this department by men on the art staff, and the board wishes to ask men in all the classes to consult the Art Editor, R. H. North, and arrange to do something in this line.

GRINDS??? Have YOU turned in any? If you have not, you should get busy at once and do your share in making the Grind Department original and amusing. This is one branch of the work which cannot be created, but all the material for this department must be contributed by outside men. There have only been a few Grinds received, and everyone should get busy and use his originality to good advantage. Boxes are placed in all the main buildings to receive contributions for this department, and it will take very little trouble on your part. All efforts will be highly appreciated by the board.

Some class to the way that the Harvard football team has come up in the last few weeks.

There is a great difference between the way one man does his work and some others. Some work and some loaf.

PROF. C. M. SPOFFORD HEAD OF DEPARTMENT

Graduate of Eighteen Years Ago Becomes One of the Leaders in the Faculty.

President MacLamie announced this morning the action of the Executive Committee in the appointment of Professor C. M. Spofford to be head of the Department of Civil and Sanitary Engineering. Three years ago, at the time when Professor Swain went from the head of this department to a similar position at Harvard University, it was deemed best to divide the responsibilities between three men. Professor C. Frank Allen was made the representative in relation to the Corporation of the Institute, Professor Spofford in relation to the Faculty, and Professor Dwight Porter in relation to Sanitary Engineering. The present change comes from the wish and request of Professor Allen, senior member of the department, to be relieved of his portion of the executive duties.

So far as the courses are concerned



Prof. C. M. Spofford

there will be no changes resulting from this appointment. The work of the department will be modified in consequence of the opening of the new Summer Civil Engineering School at East Machias, Me. Because of this fact there will be opportunity and facilities to do more consecutively much of the practical work of surveying and hydraulic and railway engineering.

Professor Spofford in taking official charge of the department stated in a personal interview this morning that it is in an extremely flourishing condition. It ranks as the highest school of its kind in the country, and has started the year with the largest number of students, more particularly in the fourth year and graduate courses, than has ever been the case before. The problem of sufficient room for the students is a serious one, so that for this department the moving to other buildings is a pressing need.

Professor Spofford, the new department head, is a Massachusetts man, who graduated from the Institute in 1893, taking a post-graduate course the following year. For some time thereafter he was employed with the Phoenix Bridge Company as draughts-

Continued on page 2, column 2

CHEMICAL SOCIETY HOLDS FIRST DINNER

Professors Talbot and Fay Principal Speakers—Ninety Members Present.

The Chemical Society held its first dinner and meeting last evening in the Union. The dinner began at 7 o'clock P. M., and ninety members were present. The fact that so large a number took advantage of the opportunity to become acquainted with the old men and the work of the society indicates that it will have a flourishing year.

The President opened the meeting with a statement concerning the organization and aims of the society. He introduced Dr. Henry Talbot, professor of Inorganic and Analytical Chemistry, as the first speaker. To Dr. Talbot the members owe the real formation and development of their organization; indeed he is well named the "Father of the Chemical Engineering Society."

Dr. Talbot mentioned the common aims and stated that these social gatherings bring the members in close touch with experienced men of the outside world, and give the members the opportunity to become socially and professionally acquainted among the students and the Faculty. He stated the great need of engineers in all branches of the industrial world, and said that chemistry is the coming science; one to be of great importance in the next decade. Chemistry is becoming more and more the important factor in industrial life. There are good fields open to every well trained chemist. There is a great need at the present time for men to initiate new processes in industrial lines, and a good chemist must have a knowledge of research and analysis work. The engineers today are facing a period of increasing responsibility. In the business world they are considered on a par with bankers and lawyers.

Dr. Henry Fay, professor of Analytical Chemistry, told of some of his experiences this summer, and took as his subject "The Conservation of Natural Resources." Professor Fay said that we seldom see chemists in Class Day events, and that they do not associate with their fellow students in the manner that they should.

Dr. Fay told how old rubber is utilized. Old rubber boots and shoes are collected by junk dealers and sent to factories where they are made over. The reclaiming process is carried out as follows: Old rubber is thrown into a machine and ground to bits. The resulting mess is then passed through rolls, whence it is carried to a series of troughs where all the sand and grit is washed out. It is then transferred to another machine where all the iron is removed, and then washed in sulphuric acid. The rubber comes out hard and is taken to the devulcanizer, where it is heated in steam. It is then mixed with a secret compound and is eventually rolled into sheets ready to be put into commercial form again.

Dr. Fay related some of his other summer experiences, after which the meeting was closed with an M. I. T. for the chemists.

Too bad the Sophs had to lose that chance for a football game last Saturday. They need the practice badly.

Say, Freshman! have you got your locker at the Gym yet?

FRESHMEN FOOTBALL PLAY WINCHESTER H. S.

Hard Game Expected This Afternoon With Fast Prep. Team.

The 1915 football team plays the Winchester High School eleven at the Winchester Athletic Field this afternoon. Judging from the calibre of the football teams turned out at Winchester High in previous years and from the showing of the present season, the Freshman team does not expect to have much trouble in winning. The only team of any strength which Winchester has yet played is Waltham High, who rolled up fifty points to their none. The 1915 football team considers itself fully as good as the Waltham team, and expect to show up as well against Winchester unless that team has greatly improved since its defeat by Waltham.

Since its last game the Freshman team has been greatly strengthened by the addition of Frank Scully, who starred at Rudge and who was chosen for all-inter-scholastic quarterback in 1910, and Lee, who played tackle at Cushing's Academy. With the addition of these men, and with a large squad reporting for practice daily, the 1915 team is now in pretty good form. The probable lineup of the Freshman team in today's game will be: Howlett, r. c.; Lee, r. t.; Crowell, r. g.; Loynton, c.; Murphy, l. g.; Procter, l. t.; Morrison, l. e.; Scully, q. b.; Morse, l. b.; McDevitt, l. h. b.; Captain Hadley, r. h. b. The following men will also take the trip: Messrs. Moore, Hawgood, Halam, Wardwell, Glynn, Duff and Potter.

TENNIS TEAM MEETS BROWN AT LONGWOOD

Singles and Doubles to be Played Saturday Afternoon.

The Tech Tennis Team will play the first match of the season Saturday morning with Brown at the Longwood courts. The team will play doubles and singles. Those who will play singles are Captain C. R. Woodward, 1912; T. C. Fisher, 1912; S. B. Brigham, 1912; W. H. Taylor, 1912; G. M. Keith, 1912, and A. Harkness, 1912. The players who will enter the doubles are Captain Woodward, T. C. Fisher, S. B. Brigham and A. Harkness.

CALENDAR.

Wednesday, October 25, 1911.

1.00—Board Meeting—Upper TECH Office.

3.00—Track Practice.

4.00—Field Day Teams' Practice.

4.15—Orchestra Rehearsal—Union.

Thursday, October 26, 1911.

1.00—1915 Meeting—Hunting Hall.

1.30—T. C. A. Meeting—Union—Mr. Stranger.

3.00—Track Practice—Field.

5.00—News Board Meeting—Upper TECH Office.

4.00—Field Day Teams Practice.

4.15—Glee Club's Rehearsal.

4.15—Mandolin and Glee Club Rehearsal.

Friday, October 27, 1911.

1.30—Electricals Leave for Cambridge.

3.00—Track Practice—Field.

4.00—1914 Relay Trials—Finals.

4.00—Field Day Teams Practice.

8.00—HOOK NIGHT—Union.

THE TECH

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WEDNESDAY, OCT. 25, 1911

THURSDAY ISSUE.

Editor—A. H. White, 1914.

EDITORIAL.

The Corporation is to be congratulated on the choice of Professor Spofford as head of the Civil and Sanitary Engineering Departments, particularly from the fact that he is a Tech man from the very start, having spent practically all of his time here since graduation in 1893. Professor Spofford is widely known in engineering circles and has wide experience both in these lines and in dealing with students. The choice appears to be a very popular one with all directly interested, and those who know him feel sure that he is the man for the place.

Professor Spofford is to be especially congratulated in reaching such a high goal only eighteen years after his graduation from the Institute. Also from the fact that he is taking charge of the best equipped and the greatest civil engineering course in the country.

The Entertainment Committee have been obliged to call off the Hook Night which was to have been held Friday evening of this week. This was due to a lack of a sufficient number of entries. It seems too bad that a college numbering 1500 and some students cannot bring forth enough talent to give an amateur night. doesn't it?

There are Glee, Mandolin and Banjo Clubs who might have offered their services either collectively, severally or as individual members, to give a little entertainment to their fellow students. But no, they would rather take some afternoon and get in the Small Room in the Union, with the door SHUT, and dispense their melodious strains.

There is also in the Orchestra various men who are known as soloists on different instruments. Did they offer their services to the committee? No!!! They would have been glad to come and listen to the rest, but nix

on their own performing. Most of these latter to whom I am referring are Seniors and Juniors, too. More Shame!!!!

However, as the undergraduates are so bashful that they dare not show their faces before the public, Mr. Seth K. Humphries, President of the Technology Club, has kindly agreed to fill in the breach, and those who attend are sure to pass a pleasant evening.

TECH CLUB SMOKER.

Professor Morse of Salem Speaks On Mars.

The first smoke talk of the year was given at the Technology Club last evening by Professor Edward S. Morse, Director of the Peabody Museum at Salem, and was greatly enjoyed by the thirty men present.

Professor Morse's subject was "Mars," and proved to be most interesting. He recalled principally his observations made while in Arizona with Professor Lowell, and outlined the methods employed for making observations and recording what has been seen.

He said that at first when one begins to look through the telescope it is impossible to see anything but a vast round ball, in appearance something like the moon, but of the color of molten gold. But after several evenings of concentrated study one can detect long lines which seem to take shape and then disappear. These lines are recorded in circles placed in rows on sheets of paper and after several evenings of observation have revealed the same lines, the existence of a channel or a canal, which these lines are supposed to represent, becomes a fairly well established fact.

He stated that he was assured that the canals or channels were artificial, not necessarily the work of man as we know him, but of some intelligent creature who very probably was of a higher type physically than the inhabitants of the earth. As his reasons for thinking this he gave several points which have been under discussion somewhat—among them (1) the fact that the canals appear as summer comes on; (2) all of the lines seem to converge to several common points; (3) and the impossibility of their being cracks. The existence of these canals is not at all improbable. For he pointed out even today we find it necessary to obtain water in some parts of India by means of great canals from the Himalayas.

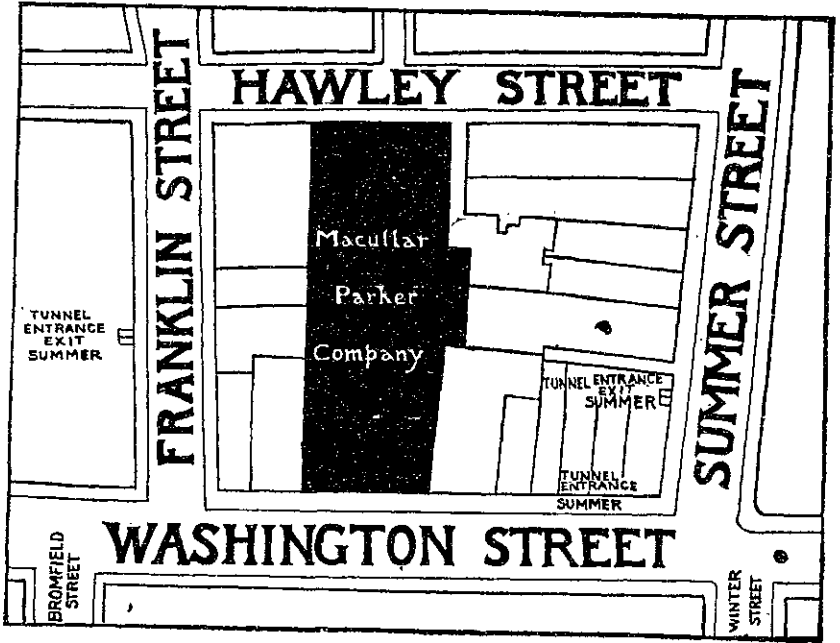
After Professor Morse's remarks, which were most interesting, the company was invited to refreshments in the dining room. While those were being served it was discovered that Captain Bartlett, of Admiral Perry's recent trip to the pole, was in the company. He was called upon for a story, and told most interestingly of some phases of northern life.

PROF. C. M. SPOFFORD

Continued from page 1

man, returning to Tech as assistant in the Civil Department in 1896, followed by six years as instructor and two years as assistant professor. He was then called to the chair of Civil Engineering at Brooklyn Polytechnic Institute, where he remained till Professor Swain went to Harvard, at which time he returned to the Institute as Hayward Professor of Civil Engineering. In addition to Professor Spofford's early experience in bridge design he has been interested in several interesting pieces of engineering work. He was retained in the examination of the strength of the Blackwell's Island Bridge. He is the author of the "Theory of Structures," in use at the Institute and other technical schools. He is a member of the American Society of Civil Engineers, Boston Society of Civil Engineers, North American Cement Users and several other important societies.

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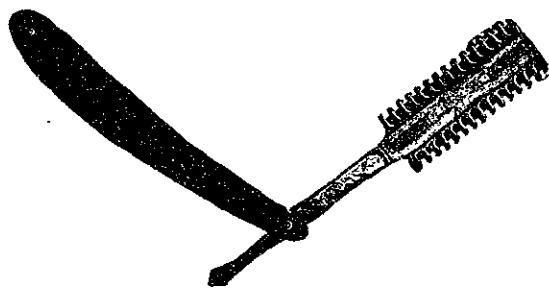
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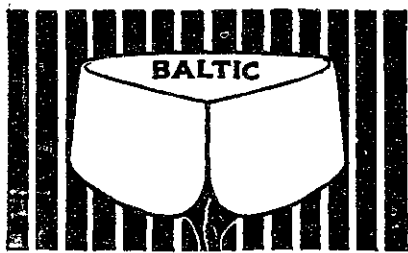
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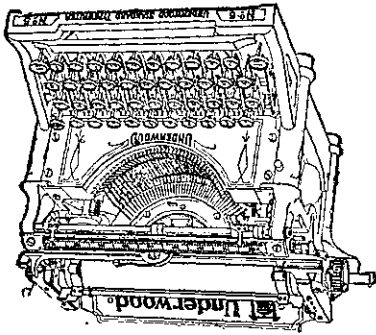
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THE T. C. A. NEEDS MEN FOR ITS WORK

Plenty of Opportunity to Help In the Vigorous Campaign Planned for Year.

A large majority of the men who signed the census cards of the T. C. A. at the beginning of the term wrote "Yes" in answer to the last question; that means that they are willing to take part in some form in the Association work.

The Association is taking it for granted that those who answered the question in the affirmative were in earnest. Some men have made the mistake that although in past years they signed the cards in the same way, yet nothing ever came of it. Now the secretary or any other officer to see all the men personally, so the Association takes this method of appealing to the largest number.

The Technology Christian Association is starting a campaign for new members. That is one definite chance for each man to redeem his pledge.

It may fairly be asked just what membership in the Association means. It means primarily that a man believes in the Christian life here at Technology and wants to help strengthen the organization that stands for the best things in the Institute. Every man who can conscientiously sign the pledge card should do so and thus become a member of the Association.

The Association is not seeking merely an increase in numbers. A short list of men who are in earnest is much better than a long list of nominal members. Various opportunities are offered to make membership count. There are more opportunities for social service than there are men to take advantage of them, and it should be remembered that in doing such work a man often helps himself as much as the man with whom he works. Bible study is being carried on by the Association. There are places to be filled on the regular committees and special committees from time to time which will call for additional men. These are tangible chances to help.

If a man finds it impossible to take part in any of the above-mentioned forms of work there are still the Thursday noon meetings, and nearly every man can arrange to attend at least some of these. By doing so he is helping to make these meetings a power in the Institute and at the same time is deriving practical benefit himself.

But then is the man who, for some reason finds it impossible to attend these Thursday meetings, to be debarred from membership in the Christian Association? Not if he is sincerely striving to live the Christian life here in the Institute. He is needed in the Association and he in turn needs the help that will come from fellowship with other men who have similar ideals.

It should be remembered that the Association makes absolutely no distinction as to church membership, sect or creed. It is broad enough to include all who sincerely believe in right living. A careful reading of the pledge will convince all of that fact. To all such the Association appeals to join and help make it a powerful factor in the life at the Institute.

The total membership last year was forty-five. Of these only twenty-seven remain to form the nucleus of this year's membership. Up to date forty-seven new members have been added, making a total of seventy-four. In a total enrollment of fifteen hundred men the T. C. A. list should be many times larger.

The secretary is in the office, Room 5, Eng. B, regularly from 10 to 12.30 o'clock. Membership cards can be signed there during those hours or at

Continued on page 4

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T. C. A. NEEDS MEN
Continued from page 3
any other time when the office is open. A supply of cards is also kept on the chair outside the door, and one of these may be filled out and slipped under the door. Or further, cards may be secured from officers and other members of the Association.

October 21, 1911.
By vote of the Faculty the exercises of the Institute will be suspended on Friday, November 3rd, after 12 o'clock, for Fall Field Day.
A. L. MERRILL, Secretary.

1915.

There will be an important meeting of the Class of 1915 in Huntington Hall, Thursday, at 1 o'clock P. M. A full attendance is desired as business of importance will be considered. Full particulars in tomorrow's TECH

THE TECH.
Managing Board meeting today (Wednesday) at 1 P. M. Lunch. (25-1t)
News Board Meeting Thursday at 5 P. M. (25-2t)

FREE FEED!!!

Every man working on the Business Department of THE TECH will report in the Upper Office at 1 o'clock Friday. Any man who intends to come out for this department this year should report at that time to the Business Manager, Friday, at 1 o'clock. Free luncheon.

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