

THE TECH

VOL. XXXIV. NO. 53.

BOSTON, MASS., FRIDAY, OCTOBER 30, 1914.

PRICE THREE CENTS

MECHANICAL ENGINEERS HEAR FALL RIVER TALK

Mr. Fay on River Improvements—Proposed Constitution Amendment.

At the smoker of the Mechanical Engineering Society last night in the Union, Mr. Fay spoke to about 90 men of the improvements on the Quequechan river at Fall River. There are two ponds to the east of Fall River, which empty into the Quequechan river, flowing through the heart of the city. There exist conditions on this important manufacturing river that Mr. Fay characterized as rotten. The health and future wealth of Fall River demanded that something be done, and the 1913 legislature authorized a commission of five persons to consider the matter.

The most important consideration is the public health, as the river in its short course through the city is exposed to several sources of pollution, among which are the absence of sewers in a large portion of the city

(Continued on Page Six)

ARE YOU WEALTHY?

"Polecon" Class Could Buy Six Fords With Pocket Money.

How much pocket money do you carry? One cent or a hundred dollars? This is the question put to the class in "Polecon," by Prof. Dewey last Tuesday. Here are the interesting results tabulated from data handed in by the 370 members of the class.

Total	\$3,062.18
Average	8.28
Median	5.00
Amount	Number Percent
\$ 0.00—\$ 1.00	46 12.4
1.00— 2.00	48 13.0
2.00— 5.00	88 23.8
5.00— 10.00	88 23.8
10.00— 20.00	68 18.4
20.00— 50.00	27 7.3
50.00—100.00	4 1.1
100.00—or over	1 .3

There were 793 pennies in the crowd, one slot machine enthusiast having as many as 22. One man estimated his entire wealth at one cent. The fabulous sum of "\$100.00 or over" was in the possession of one "Mr. Smith." Prof. Dewey claimed that this amount was well within the curve of probability but the department of mathematics is said to be entertaining a scheme for revising the curve.

COURSE VI ELECTIONS

As a result of the elections of the Electrical Engineering Society last Wednesday, C. E. Sifton was elected vice-president and R. E. Curtis treasurer. The elections were exceedingly close.

TECH MONTHLY CALLS FOR WRITERS

November Sixteenth Date Of Next Issue—Articles By Institute Men.

Monday, November 16th, is the date set for the appearance of the fifth number of the Technology Monthly and Harvard Engineering Journal. This issue will be composed mostly of technical articles, although one or two short stories will be included in the table of contents. Among the list of contributors are Mr. Leonard C. Wason, '91, Professor E. B. Wilson of the Mathematics Department, E. E. Sarti, '16, and others well known to Technology men.

The Monthly wants articles by students and any men who wish to write are invited to see the editor at the Office in the Union Building or leave a note at the Cage, Box 63.

PUBLICITY COMPETITION

All Freshman Candidates To Meet This Noon.

At half past one today all men who have entered the competition for Assistant Publicity Manager of the Tech Show are expected to meet in the Show Office. New assignments will be given at that time. As a cut will soon be made, it is extremely important that no one be absent who expects to try for the position.

TECH SHOW BOOKS DUE

Librettos for this year's Tech Show must be handed in at the Show office by 5.00 on Monday, November 2, 1914. This date is a month later than the one for last year's book. Lyrics submitted with the book itself will be given first consideration when, later on in the year, the selection is made. It will be attempted to have the book chosen in time to announce the name of the successful author at the Kommer's Dinner which comes during the month of November.

RIFLE CLUB NOTICE

The Rifle Club will hold its usual practice at the Walnut Hill range tomorrow. On account of the inadequacy of the facilities only the following men will report tomorrow: Sawyer, Peterson, Stahl, Campbell, Lewis, Swain, Moore, McFarland, Fehr, Avery, Ennis, Bickford, Knowland, Brown, Lobdell and all others who have not been out for practice this year. The train will leave at 2 p. m. from the North Station on track 19. Men can obtain orders for rifles from Casselman at the Union from 5 to 6 today.

The Tech Smoker. Tonight at half past seven. Lower Office.

ATHLETIC ASSOCIATION ELECTS OFFICERS

The First Meeting Under The New Constitution Is Held.

At a special meeting of the M. I. T. Athletic Association, the officers for the coming year were elected as follows: President, T. H. Huff; Vice-President, H. P. Pinkham; Representative on the Institute Committee, W. S. Thomas; and the members on the Advisory Council of Athletics: T. H. Huff, H. Crowell and D. B. Webster.

On account of the new constitution being under consideration the offices of Secretary and Treasurer were left vacant until after its adoption. These officers will be elected from the student body, the treasurer being a Senior and the Secretary a Junior.

The next meeting of the Athletic Association will be on November 3rd in Engineering C at 5 P. M. All members should make a special effort to be present.

GERMAN BOOKS NEEDED

On account of the war, the demand for German books used in the Modern Languages Department cannot be met. There is at present need for the book "Die Mechanische Technologie" by Luedicke, used by second year students. Professor Vogel has made the request through The Tech, asking all students who have the book in question and who are not using it at the present time to see him personally and turn the book over to the Department so that those in need may be supplied.

INSTITUTE COMMITTEE

At the first meeting of the new Institute Committee yesterday the following elections were made: K. M. Sully, vice-president; W. M. Shakespear, Secretary-Treasurer; F. P. Scully and H. L. Leeb, members of the Executive Committee.

The following elections of the Tech Show Board were ratified: C. A. Coleman, Stage Manager; R. A. Fletcher, Treasurer; C. C. Carpenter, Business Manager; and R. H. White, Stage Director.

One hundred sixty dollars was voted to the M. I. T. A. A. for athletic expenses. It was also decided to hold a tag-day for the benefit of the Track Team.

The Committee took into its own hands the control of all future Tech Night celebrations. It voted that no outside advertising be permitted on public Institute bulletin boards.

A committee was appointed to look up the question of granting representation to The Technology Monthly, and to report at the next meeting.

CHEMICAL COURSES BANQUET TONIGHT

Mr. W. D. Livermore Of The American Woolen Company To Speak.

This evening, at 6.30 in the Union, the Chemical Society will inaugurate its season with a dinner, to which are invited all men interested in chemistry, as well as those who think they might be interested.

As announced in Wednesday's Tech, Mr. Livermore, of the American Woolen Company, will talk on "The Chemist's Relation to the Textile Industry." Mr. Livermore is the head chemist at the American Woolen Company of Lawrence, Mass. Mr. Livermore will not confine his talk strictly to the technical side of his subject, but will also speak of the chemist's relation to the plant management, and will probably touch on the effect the war has upon his line of work.

Several of the professors will be there in state, and there is persistent rumor that some of them will have more or less to say before the evening is over.

New men will have a good opportunity to meet the older men in the Society. Course X men, who survived last evening's M. E. Society affair are especially desired. Tickets can be obtained at the Cage or from either Spear, Casselman, Webster, Lucey, or Pollard.

METZ FACTORY TRIP

The Metz Automobile factories at Waltham will be visited November eleventh and thirteenth by the Mechanical Engineering Society on its first fall excursion. Thirty members, in squads of ten, will be accommodated on each trip. Applications for the first trip must be made to Hauchett, Kimball or Shedd. Each of these men will sign up the first nine members who apply for excursion tickets. The squads for the second trip will be under Palmer, Purinton and Norris. The train tickets will cost fifteen cents.

CALENDAR

Friday, October 30, 1914.
 5.00 P. M.—Cross Country and Hare and Hound Team Meeting. 8 Eng. C.
 6.30 P. M.—Chemical Courses Banquet. Union.
 5.00 P. M.—Musical Club Meeting. Union.
 7.30 P. M.—The Tech Smoker. Union.
 Saturday, October 31, 1914.
 1.30 P. M.—Last Sale of Tech Night Tickets.
 2.00 P. M.—Rifle Club Practice. North Station.
 2.15 P. M.—Cross Country Trials.

THE TECH

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IN CHARGE OF THIS ISSUE.

G. H. Stebbins, '17; B. M. Stimets, '16; D. E. Bell, '17, and W. J. Henry, '18.

FRIDAY, OCTOBER 30, 1914.

The new Institute Committee made a promising start on its year's work yesterday. The removal of Tech Night from the control of an irresponsible underclass committee is a step which has been needed for years. The representation of The Technology Monthly on the Institute Committee is a matter which ought to have been attended to before. The commercial advertising on our bulletin-boards has attracted much criticism. Last but not least, the Track Team deserves all the support that can be given it, and a tag-day is a ready and efficacious means of raising the required funds. If the Institute Committee keeps up to this standard throughout the year, our "knockers" will have to go out of business.

An excellent opportunity for the underclassman who has not yet selected his activity is afforded by the competitions recently announced by The Technology Monthly. The lack of men qualified to replace its highest officers when they graduate renders chances of rapid promotion particularly good.

The opportunity to do literary work for this growing activity also deserves attention from any who have inclinations in that direction.

Chance for seats for "Passing" tomorrow at 1.30.

Field Day comes a week from to-day.

SOPHOMORES SCRIMMAGE WITH SOMERVILLE

Both Teams Put Up Hard Fight —Sophomores Have Upper Hand.

The 1917 football team played a short scrimmage with the Somerville High School eleven, Wednesday afternoon, during which the Sophomores played a very erratic game. The play at times, however, was very good, but the tackling was poor. Every man realizes that the Freshman game is the only one that counts and all the squad is determined to win at any cost.

The score of Wednesday's game was Sophomores 19, Somerville 0, and the lineup was as follows:

1917	Somerville
Simpson, lhb	lhb, Jereau
Poteat, rhb	rhb, Keating
Hunt, fb	fb, Thornton
Farnsworth, qb	qb, Fitch, Blandii
Dunham, re	re, Goudy
Sada, Story, rg	rg, Baxter
Welcome, rt	rt, Flynn
Tuttle, c	c, Cushing
Powers, lg	lg, Shepardson
O'Brian, lt	lt, McClellan
Bell, Gray, Wood, le	le, Ellis

HUNTINGTON TECH CLUB

A number of Institute men who were formerly students at the Huntington preparatory school have organized a club, which will be known as the "Huntington Tech Club."

The following men are the present members of the club: J. Fahri, '16; G. M. Newcomb, '16; A. D. Dickson, '17; H. Seymore, '17; F. Rizzo, '17; C. C. Adams, '17; A. Tarbutte, '17; O. R. Peterson, '17; N. M. Marsilius, '17; W. F. MacDonal, '18; E. F. Wermouth, '18; E. C. Higgins, '18; D. G. Morse, '18; A. Miller, '18; J. Gould, '18.

At the first meeting of the club the following officers were elected: President, N. M. Marsilius, '17; vice-president, A. D. Dickson, '17; secretary, E. F. Wermouth, '18.

Any Institute man who has ever been a student at the Huntington school is eligible for membership, and should get in touch with one of the officers.

THE TECH SMOKER

The first smoker of the year for the men on The Tech will be held this evening. The men are to meet at the lower office at 7.30; all prospective candidates, heelers, business and news men are invited.

Refreshments will be abundant, and a varied program is promised. The musical numbers will include both vocal and instrumental selections, and Howard Mann, '16, reader for the Glee Club, will take part in the entertainment. Sidney Clark, '15, will preside at the piano.

CLASSIFIED AD

LOST: A small chemical society pin (K2 S). Finder return to 225 Newbury street for reward.

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MR. ELLIOT DISCUSSES FORUM BIBLE STUDY

Explains Why Fifty Thousand College Men Engage In It Today.

Yesterday afternoon in the Union, Mr. Harrison S. Elliot spoke on "Why Fifty Thousand College Men Are Studying the Bible." Mr. Elliot first disposed of the chief reasons why young men do not give up time to Bible study, and then proceeded to show how the Book helps in solving many modern problems.

The average college men, said Mr. Elliot, claim invariably that they "haven't the time." He believes, however, that this is only another way of saying that they do not care to find time; it is a universal excuse, so common that it is ordinarily realized as such, and it consequently amounts to very little. Mr. Elliot mentioned several cases, particularly one in the University of Wisconsin, where the busiest men, leaders in the busiest activities, enjoy this voluntary Bible study. They even assert that they would give up their other pastimes for it.

The reason that these men like the study, the speaker said, is that it is religious study. This statement creates a wrong impression at first, because many people believe that religion is "what we die by." As a matter of fact, religion is what we live by—the spirit, character and ideal of everyday living. It is a universal question, and one which is subject to universal opinion. Even in engineering, the main question that a prospective employer asks is of a religious nature: "Can the engineer be trusted?"

Thus Mr. Elliot is sure that every man believes in religion, if not strictly of the orthodox kind. But why, he asks, should we use the Bible in our search for solutions and ideals? Why not get something up to date? Here, he says is where we make our mistake: the Bible is up to date. The only trouble is that we fail to realize it because we are accustomed to see the Bible in such old-fashioned garb, with a solemn black cover, and doubt.

(Continued on Page Six)

SOPH TUG-OF-WAR

The Sophomores have shown exceptionally fine spirit in tug-of-war this year, so much so that they are now pulling in better form than they were at the close of last season. Every day, at least forty men show up for practice, many of whom were on last year's team and have the benefit of that experience. Sherry O'Brien, who captained last year's team and won the strength test, has gone over to the football team. E. W. Curtin, one of the biggest men on the team, has not returned this fall. Bert Canby is again doing the counting and H. L. Wood and Stevens are alternating on the end of the rope.

The strength tests were held last Wednesday in the Gym and at the time of going to press the results had not been made public. The team will be picked today at 4.15, and every man is requested to be present at that time. A captain will also be elected.

FRESHMAN RELAY TEAM CHOSEN

Good Times Made By Winners—Race for Substitute Positions Today.

The freshman relay team which will run against the sophomores on Field day was picked yesterday. A large number of candidates showed up, making the competition for places very keen. The times of the men who made good were quite fast, but as the wind was helping the runners, these results can not be relied on too much. The team, as a whole, gives promise of being strong and well balanced, but it will need a lot of encouragement from the cheering section to heat the sophomores on Field day.

The men who made the team are Avery, Justheim, Hamilton, Kwam, Lorenz, McDonald, Mumford, Road, Coward and Boyd.

In the race to be held this afternoon at the new field to pick substitutes, Ford, Smythe, Miller, Merrick, Van Kirk, Hanley and McLoughlin are entitled to compete.

WANTED

The Tech wants track men to write track stories and Freshmen to cover Freshman athletics. Come around and talk it over.

TECH NIGHT TICKETS

Today and tomorrow are the only days left in which to obtain tickets for Tech Night. The committee in charge will be in Rogers from 12.30 to 1.30 and anyone who has not yet obtained tickets can get them then. Very few Freshmen have as yet got their tickets, and as all the tickets not sold this week are put before the public next week it will be practically impossible to obtain seats then. Those who have bought tickets can get them exchanged next week on either Tuesday, Wednesday or Thursday from 1.00 to 2.00 in Rogers.

FRESHMEN FOOTBALL

The 1918 football men have been hard at work preparing a team to beat the Sophomores on Field Day. About thirty men are trying for the team, and some good material has been revealed. Coach Miller is not yet certain about the line-up for Field Day, but gives the following conditionally.

- l. e., Porter or Jones.
- l. t., Wiley or Mead.
- l. g., Nangle or Harris.
- c, Hall or Mead.
- r. e., Musolino or Cutts.
- r. t., Ayer.
- r. e., Gleason or Howe.
- q. b., Clarkson.
- l. h. b., Howe or Mally.
- f. b., Barret.
- r. h. b., Ryan or Johnson.

An idea of what the team is like may be obtained from the results of the games thus far played. 1918 6, Concord High 3; 1918 27, Mechanic Arts High 13; 1918 9, Dorchester High 3.

Sophomore Meeting. One P. M. Huntington Hall.



A distinctive cut!
Most of us nowadays prefer it in the cut of our clothes. Young men's suits—trim and shapely. Young men's overcoats—rather loose and full. The sort of clothing that's smart without being "smart-alec."

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Friday, October 2nd.

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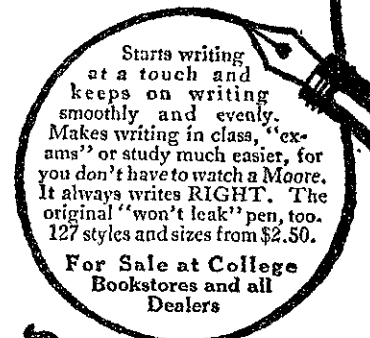
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HEADQUARTERS FOR TECH

THESE ARE THE FOUR PRINCIPAL TECH SONGS

Freshmen and Others Can Show True Tech Spirit By Learning Them.

A STEIN SONG.

Give a rouse, then, in the May-time,
For a life that knows no fear!
Turn night-time into day-time
With the sunlight of good cheer!
For it's always fair weather
When good fellows get together,
With a stein on the table
And a good song ringing clear;

Chorus:

For it's always fair weather
When good fellows get together,
With a stein on the table
And a good song ringing clear.

Oh, we're all frank and twenty
When the spring is in the air;
And we've faith and hope a-plenty,
And we've life and love to spare;
And it's birds of a feather
When good fellows get together,
With a stein on the table
And a heart without a care;

Chorus:

And it's birds of a feather
When good fellows get together,
With a stein on the table
And a heart without a care.

For we know the world is glorious,
And the goal a golden thing,
And that God is not censorious
When his children have their fling;
And life slips its tether
When good fellows get together,
With a stein on the table
In the fellowship of spring;

Chorus:

And life slips its tether
When good fellows get together,
With a stein on the table
In the fellowship of spring.

When the wind comes from Cuba,
And the birds are on the wing,
And our hearts are patting juba
To the banjo of the spring,
Then life slips its tether
When good fellows get together,
With a stein on the table
In the fellowship of spring;

Chorus:

Then life slips its tether
When good fellows get together,
With a stein on the table
In the fellowship of spring.

DEAR OLD M. I. T.

The sun with glowing crimson
Has ting'd the sky's dull gray;
The glory of the sunset
Uplifts our flag today;
While here beneath our colors,
With hearts that never yield,
Our boys are fighting onward,
Fighting onward 'cross the field.

Chorus:

Fight on, boys, we are cheering for you,
For we want you to win today;
Do your best, we are all behind you,
And you're wearing the Red and Gray.
Though the odds may be great against you,
Full of sturdy courage be;
And we'll raise a song of victory
For dear old M. I. T.

Before old Harvard's crimson,
Before the rows of Brown,
Before the green of Dartmouth
Our colors will not down;
Though Amherst's white and purple

Bid the Red and Gray to yield,
Our cheer, still strong and clear, boys,
Will ring across the field.

Chorus:
On the days that are before us
We will gather as of yore,
And raise in swelling chorus,
The grand old cheer once more.
And when the battle's over
Then at the close of day,
Once again we'll raise our colors,
Victory crowns the Red and Gray.

THE CARDINAL AND THE GRAY.

The team is out, all sing and shout,
We'll show them how to win,
The men are strong, the battle long,
And now they're digging in.
So shout and cheer and let them hear
That Tech is with them now.
Cheer Tech—Cheer Tech—Cheer for the victory.

Chorus:
Three cheers for Tech—Our lay will surely win the day;
All shout and sing, for the Cardinal and the Gray.
With every "T" let your voice and spirit be,
Fight with all your might and give to Tech the victory.
Rah—Rah—Rah—Three cheers for Tech—

Our lay will surely win the day;
All shout and sing for the Cardinal and the Gray.
With every "T" let your voice and spirit be,
Fight with all your might, and give to Tech the victory.

When Tech is out, we all will shout,
And joudly we will cheer,
Our colors high will ever fly,
Our voices all will hear,
For Tech is best and all the rest
Will soon be left behind.
Cheer Tech—Cheer Tech—Cheer for the victory.

TAKE ME BACK TO TECH.

First I wish that I were back again
At the Tech on Boylston Street,
Dressed in my dinky uniform,
So dapper and so neat.
I'm crazy after Calculus;
I never had enough.
It was hard to be dragged away so young;
It was horribly, awfully tough—
Oh, give me some 'Ology, 'Ology, tra-la-la-la—
Any old kind of 'Ology!
Tra-la-la-la-la-la-la-la-la-la-la.

Chorus:
Take me back on a special train
To the glorious Institute—
I yearn for the inspiration of
A Technological toot!—
I'd shun the physical, quizzical Prof.,
And chapel and all that;—
But how I would love to go again
On a Scientific Bat!

Second Oh, back to the days that were free from care,
In the 'Ology Varsity shop,
With nothing to do but analyze air
In an anemometrical top;
Or the differentiation
Of the trigonometric powers
Of the constant pi that made me sigh
In those happy days of ours.

'Rah for TECHNOLOGY!
'OLOGY, 'Ology, oh—
Glorious old TECHNOLOGY!
'Ology, 'Ology, 'Ology, Ology.

Third M-a-S-s-A-c-H-u-S-e-T-t-s
I-n-S-t-i-t-U-t-E o-f t-E
C-h-N-o-L-o-G, and Y comes after G,
Massachusetts Institute of Technolo-gee.

'Rah for TECHNOLOGY!
'OLOGY, 'Ology, oh—
Glorious old TECHNOLOGY!
'Ology, 'Ology, 'Ology, 'Ology.

SOPHOMORES ELIGIBLE

Competition In Show Business Department.

The business department of the Tech Show opens a competition Monday which is open to members of the Sophomore class. Two men are to be finally chosen, who will act as first assistants in that department during the ensuing year. One of them will then become Show Treasurer and the other Business Manager. They may then compete, together with the Publicity and Stage Managers, for the position of General Manager of the Tech Show.

CROSS COUNTRY TRIALS

Ten Men To Be Picked For The Holy Cross Run.

The cross country trials for the Holy Cross run will be held at Wakefield Saturday when the team will run the B. A. A. in a dual meet. The men are to leave the North Station at 2.14 and the fare will be forty cents, round trip. Capt. Cook, Brown, Guething, Benson, Graff, Litchfield and Harrington are among the strongest and will probably make the team. Powers, Greene, Saltmarsh and Coach Kanaly's brother will be among those running for the B. A. A. Muldoon and Rowan can also be expected to show up and there is a possibility that Hedlund and Rose will run, according to weather conditions.

Ten men are to be picked Saturday for the Holy Cross run that comes Field Day at Holy Cross and from those ten the team for the New England and for the big intercollegiate will be chosen.

TECH MEN INVITED

A Hallowe'en party will be given Saturday night, Oct. 31, at eight o'clock by the Young People's Social Club of the First Baptist Church. Technology men are cordially invited to come and join the fun.

FRESHMEN TUG-OF-WAR

Practice of the Freshman Tug-of-War team is going on every afternoon and the showing made during the last day or two is more encouraging than it has been for some time. Yesterday there were thirty-six men out for practice which is the largest number reporting any day since the first call. The total number of candidates who have come out at all is about forty-two.

The chief drawback at the present time is weight, the average for the team being only about 140 pounds. Owing to this handicap it is necessary for all men to report for practice every one of the remaining days. There will be practice at the Gym on Friday at 4.00 o'clock and Saturday at 1.00 o'clock and in all probability the team will be picked by then. Arrangements are being made whereby it is hoped to have the team taken over to the Field in an auto. Next Wednesday, on account of Dr. Rockwell's lecture, practice will be held at 5 o'clock.

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M. E. SOCIETY
(Continued from Page One)

and the dumping of waste into the river. The river is low at times and the mills often suffer for lack of water; and the water is kept too hot by condenser water for efficiency in the mills.

The report of the Commission provides for a cold water tube from the ponds down the river to the mills, and for warm water tubes containing the effluent water from the mills. A sewer system for the rest of the city and the development of the flats are planned, so that the city can be improved.

Professor Miller then spoke on the value of the American Society to the men when they become practising engineers. An amendment to the Constitution was proposed, opening admission to members of Course XV, Option 2. The meeting was concluded with the Stein Song and refreshments.

SOPH RELAY TRIALS
All Sophomore relay trials will be held at the New Field this afternoon. Every one out should report, as these trials will determine the lucky few who will represent the Sophomore team on Field Day.

CROSS COUNTRY
All members of the Hare and Hound Club and Cross Country Team will meet in 8 Eng. C today at 5 p. m. All men in the Institute who are interested are invited.

MUSICAL CLUBS

There will be an important meeting of the Combined Musical Clubs at 5 o'clock in the Union today. All men either late or absent will be fined. Among the several things that will be discussed is the proposed trip at mid-years.

T. C. A. TALK
(Continued from Page Three)

ble-column annotated pages. If we could pick up a Bible and not know from its appearance that it was a Bible, we would, probably become deeply absorbed in it.

Mr. Elliot then called particular attention to the fact that the Biblical stories, aside from the peculiar names in them, and their quaint wording, might be culled from everyday life in the present century. We read of people proud of their ancestry, of people "who are always knocking," of people who worry incessantly. Zacheus was a political grafter, and all the Scriptural characters find their present day counterparts. Christ, the great Social Engineer, saw the weaknesses of the people, and told them candidly about their faults. In reading and discussing His words men could find the answers to many of their questions, if they would but devote an occasional hour to it; but most of them merely will not start.

All Mr. Elliot asks for is a fair trial of forum discussion. He says that if the men will give it a just scientific work-out, he will convince them. The opportunity presented by the T. C. A. classes is one which he believes to be unexcelled.

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