FINANCIAL CAMPAIGN
FOR T. C. A. FUNDS
Complete Canvas Of Institute To Be Made—Begins Today.

The Technology Christian Association today starts a vigorous financial campaign in the endeavor to raise some of the funds necessary for carrying on the work for the coming year. In another column of this issue there will be found printed the budget of the Association for the ensuing school year. The Association is unique, in that, as the largest undergraduate organization in numbers, at least, it has no system of compulsory dues. It depends entirely upon contributions.

The treasurer, N. E. Kimball, '15, has organized a body of men to carry on the work of getting contributions. The campaign will last for only three days, today, Tuesday and Wednesday. During this time practically every man in the Institute will be reached. The treasurer expects to break all records for raising T. C. A. funds.

CONCERT TICKETS
Combined Musical Clubs To Hold Winter Concert.

Tickets and preliminary dance orders for the Winter Concert of the Combined Musical Clubs may be obtained in the Union from one to two any day commencing Thursday, December 10th. Persons wishing to obtain blocks of seats for the concert should obtain them in the Musical Clubs' office between five and six today, tomorrow or Wednesday.

The final performance before the Winter Concert will be given Saturday of this week at Wellesley.

TECH SHOW POSTERS
Punishing Manager R. L. Lucas will meet candidates for the Tech Show poster competition in the Show Office today at 8 p.m. to explain the conditions of the poster contest just opened.

The material will be judged by a committee composed largely of men outside the Institute. There is no restriction on the eligibility of contestants.

GUN COMPANY DRILL
The first drill of the new Machine Gun Company was held last Friday evening in the Cambridge Armory. About sixty men from Harvard and Technology were present.

CIVIL SOCIETY HAS AN INTERESTING TRIP
Very Cordial Treatment Received At C. P. Berger & Sons' Factory.

About thirty men enjoyed the Civil Engineering Society trip last Friday. The instrument factory of C. P. Berger & Sons was visited and the men were much pleased with the cordial treatment they received. Two sons of C. P. Berger showed them around the factory. The trip ended with a talk by the senior member of the firm, Mr. C. P. Berger, on test.

MEMORIAL MEETING TO WILLIAM ROGERS
Gathering To Commemorate First President's Birthday This Noon.

Today at 1:30 a convocation will be held in Huntington Hall in honor of our first president, William Barton Rogers. This is the anniversary of his birthday, and while no precedent has as yet established a definite form of ceremony for the day, something is usually done each year to mark the event. Two years ago the All-

(Continued on Page Four)

WILLIAM BARTON ROGERS

ANNIVERSARY DINNER
A dinner will be given this evening at 7 to Professor Robert H. Richards at the Copley-Plaza in "recognition of his fifty years as a devoted Tech man and in expression of the respect and affection in which he is held by the Corporation, Faculty and Alumni."

FROM ELECTIONS
W. J. Farrington, K. Dean, P. H. Duff, J. M. Evans and O. B. Fyfe were elected to the Junior From Committee last week.

CIRCULAR ISSUED BY CALENDAR COMMITTEE
Specific Directions Are Given For The Arranging Of Events.

The Calendar Committee has issued a circular which reads as follows:

1. See that the names and addresses of all officers of your organization have been posted on the Bulletin.

2. Notify the Committee as soon as possible of dates you desire held for meetings. This notification should be made before arrangements are completed, so that if the date has been taken, new arrangements may be made.

3. These arrangements for the Committee should be made on the blank forms obtainable at the Cage, and should be dropped in the mail box beside the Bulletin Board. Do not make such announcements on loose paper, as it is impossible to file such paper. All announcements should bear the name and address of the one requesting the date.

Within twenty-four hours after the request for the date has been made, the Committee will have at the Cage a notice addressed to the signer of the blank announcement, stating either that the date requested has been reserved, or that it already has been taken. In the latter case we earnestly request that a new date be set, and that a conflict be not insisted upon.

4. Notify the Committee promptly of any change or cancellation of a date set, or of any change in officers.

HOCKEY TEAM AT WORK
The practice of the hockey squad last Friday at the Gym consisted mainly in "shooting the puck," followed by the usual run.

CALENDAR

Monday, December 7, 1914, 5:00—Tech Show Poster Competition Starts.

Tuesday, December 8, 1914, 7:00—Dinner to Professor Richards at the Copley-Plaza.

Wednesday, December 9, 1914, 5:00—Executive Committee of Cosmopolitan Club meets, 8 Eng. C.


Friday, December 11, 1914, 4:00—A. S. M. E. Meeting. Eng. Class Hall, Arlington St.
COMMUNICATION

To the Editor of The Tech:

Last year a friend of mine in another college asked me how it happened that a school which could rest over a hundred candidates for its wrestling team could claim that athletes received little or no attention from the student body. I replied that our wrestling team had gone up two years without a defeat and that our schedule included many strong teams. He then said, "Oh, I see, your wrestling team did a good job. How could you get on a championship squad built about last year's team as a nucleus," it is a matter of record that a "championship squad" completed the season of 1913-14 without a defeat, due to the earnest work of the old men who coached the recruits, practically every afternoon of the wrestling season.

When the team came up against Beverly last Saturday they expected an easy victory, but before the bouts were finished they found it "rather a tough proposition." Perhaps Beverly was a little stronger than the Tech,—being rated as a poor team, but it was self-evident to any spectator that the Tech men were far from condition for the successful continuance of its championship squad. It is a matter of record that a "championship squad" completed the season of 1913-14 without a defeat, due to the earnest work of the old men who coached the recruits, practically every afternoon of the wrestling season.

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EXHIBITION MEET PROVES SUCCESS

The Wrestling, Gym and Fencing Teams Show Excellent Progress.

About seventy-five persons filled the bleachers at the Gym Saturday night and watched the Wrestling, Gym and Fencing teams in their combined exhibition.

A bout between Brooks, '15, and Wirt, '15, in the 130-pound class, began the Meet, and was won by Wirt on decision. In the 145-pound class Peterson, '17, won from DeSalvo, '18, in 1 minute and 9 seconds. A fencing bout between Clark and Shakespeare was won by Shakespeare. Exhibitions were given by White, Blit, and Mendelson of the Gym Team.

In the 125-pound class Clark won from Means, and Sagter and Lee tied. In the 135-pound class Hoffman and Giles tied and Siegel won from Magoun in a tortoise bout. Shakespeare tied with McRae in a second wrestling bout. Mendelson, Blit, Rogers, Demond and White exhibited their skill on the apparatus and the mat.

CONVOCATION (Continued from Page One)

Technology dinner was held in honor of the occasion.

At the meeting today Mr. J. P. Munroe, a member of the corporation and a student under President Rogers, will give to the students those ideas and ideals which, originating in the mind of President Rogers, have caused to be built and perpetuated the wonderful institution which he founded.

The story of the Institute, its founding, its critical periods, periods timed over by the sheer inspiration and zeal of President Rogers who, time and again in his declining years rallied to the helms and steered the great educational craft along its perilous course, will be told. President Macaulay has requested that all Technology men attend.

CORRECTION

The property left in the lockers at the new field will not be confiscated as was stated in Friday's issue of The Tech. It may not be obtained, however, until the locker room is opened in the spring.

FACULTY NOTICE

The lecture on Color to Fourth Year architects, Monday afternoon, December 7th, will be postponed.

COMMUNICATION (Continued from Page Two)

Technology victories when the squad comes up against a real hard team later in the season look mighty slim. If the Captain and the Manager do not take enough interest or are otherwise compelled to abstain themselves they might at least appoint some one that the practice becomes

THE TALBOT COMPANY
Boston Representatives

COES AND YOUNG CO
20 SCHOOL STREET

SATISFACTION AND REAL ECONOMY
ARE THE RESULTS OBTAINED IN BUYING THE BEST OF MEATS AND PROVISIONS
YOU CAN ALWAYS GET THAT KIND OF
WESLEY—THURSTON COMPANY
Stalls 20, 21, 22 Market Hall, Hartford, Conn.
BOSTON, MASS.
—TELE.

ALBERT CAUTO
HOTEL BRUNSWICK BARBER SHOP
Hair Cut and Shave at Special Price for Tech Men.

MR. FRANK E. MORSE
TEACHER OF SINGING AND COACH
162 EYOLSTON ST.
BOSTON
C. E. TRIP
(Continued from Page One)


ing for accuracy after transit, level, etc., have been put together. The
lens is first tested for infinite dis-
tance by a simple but ingenious de-
vice requiring only an actual dis-
tance of four or five feet. It is next
tested for distances of eight feet. If
both checks the intermediate dis-
tances are accurate. The company
has made machines, theodolites, trans-
it circles, etc., exclusively for the U. S.
Geological Survey, which requires
most precise instruments.

Of especial interest were four ma-
cines for graduating transit circles
into degrees, half degrees, etc. These
machines are worth about five thou-
sands dollars apiece. The circles
must be smoothed off and polished
very carefully before being put in
the machine. The point which makes the
grayout has to be very carefully
sharpened. The machine can make
graduated circles which can be read
directly by microscopes to two and
one-half seconds of arc. The circles
are to be graduated left in the ma-
cine at night and when the gradu-
ate is finished the machine rolls a
bell which summons the watchman,
who takes out the circle. The point
does the work is lifted up and
the circle swings around automati-
cally the required angle when the
point is again automatically dropped.

As to the factory itself, there is
nothing up around the building but
the belts. The main belt comes up
through the floor to the main shaft.
There are at least twelve other shafts
connected with the main shaft and
smaller belts connect these with the
different machines. There are no
large machines. Each machine is
handled by one man. The glass for
the lens, which comes from Jena,
is ground by one man who makes it
entire occupation. The level and
transit parts of brass composition are
cast in a little out-house in which the
lenses, which come from Jena,
are already in the work of the de-
machine. The Tech has
CANDIDATES NEEDED

The Circulation Department of The
Tech has still room for more new
students to fill the vacancies in the
1st Year Student Circulation desks,
which was issued some time ago and
now needs filling. The position is
very successful meeting. The Confer-
ces occur as follows:
Conference 1 I-Professor Miller, Wed-
day, December 9th, from 1 to 2 P. M.
in Room 11 Eng. B.
Conference III--Professor Hoffman,
Thursday, December 16th, at 1:30 P. M.
in Room 2 Ross.
Conference IV--Professor Cram and
Lawrence, Friday, December 16th, at
4 P. M. in Room 62 Pierce.
Conference V--Professor Talbot, Mon-
day, December 7th, at 1 P. M. in Room
6 Lowell.
Conference VII--Professor Jackson,
Monday, December 14th, at 1 P. M. in
Room 6 Lowell.
Conference VIII--Professor Sedgwick,
Monday, December 14th, at 2 P. M.
in Room 37 Pierce.
Conference IX--Professor Cross, Mon-
day, December 14th, at 1 P. M. in
Room 11 Eng. B.
Conference X--Professor Lindgren,
Wednesday, December 16th, at 4 P. M.
in Room 16 Pierce.
Conference XI--Professor Goodwin,
Thursday, December 17th, at 11 A. M.
in Room 2 Ross.
Conference XII--Professor Dewey, Fri-
day, December 18th, at 10 A. M.
in Room 6 Pierce.

CATHOLIC CLUB

A very successful meeting with a
large attendance was held by the Catho-
ic Club in the Union Thursday, even-
ing. The Spanish-American students
were the guests of the evening and
Rev. Father Carbellero, of Boston Col-
lege, spoke in Spanish. The Spanish-
American students were then asked
by Rev. Father Carbellero. The con-
ferences occur as follows:
Conference II--Professor Miller, Wed-
day, December 9th, from 1 to 2 P. M.
in Room 11 Eng. B.
Conference III--Professor Hoffman,
Thursday, December 16th, at 1:30 P. M.
in Room 2 Ross.
Conference IV--Professor Cram and
Lawrence, Friday, December 16th, at
4 P. M. in Room 62 Pierce.
Conference V--Professor Talbot, Mon-
day, December 7th, at 1 P. M. in Room
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Conference VII--Professor Jackson,
Monday, December 14th, at 1 P. M. in
Room 6 Lowell.
Conference VIII--Professor Sedgwick,
Monday, December 14th, at 2 P. M.
in Room 37 Pierce.
Basketball Team Plays Good Game Against Cambridge — Poteat Stars.

The Technology basketball five defeated the Cambridge Y. M. C. A. team, 26 to 18, as the Cambridge gymnasium last Wednesday evening. At the end of the first half Technology was behind, 14 to 4, due to having started with a team composed mostly of second string men. In the second half, however, Manager Rausch's men came back strong, scoring 22 points to four for Cambridge. Poteat played a snappy game and Smithie, who played for Randolph-Macon before joining Technology, played on the 'Varsity four for Cambridge.

REV. A. R. WILLIAMS SPEAKS IN UNION

Subject: Through the German Line and Arrested as a Spy.

The Technology Christian Association had for their speaker last Thursday night in the Union the Rev. A. R. Williams, who gave a very interesting talk on his own recent experiences on passing through the German lines and being arrested as a spy. A large number of men were present to hear him.

The speaker described his several journeys, first by the Belgians, then by the Germans, and finally in Brussels this last arrest took place on September 1915. He had stepped out of the hotel where he was staying in Brussels and on his return, he was told that an American wished to see him. Mr. Williams invited this supposed American to his room where the two might talk in private. When the man had entered the room, he proved to be a representative of the Imperial Government of Germany, come to arrest Mr. Williams.

The arrested man was taken to the military headquarters in Brussels and into a room at the headquarters where about thirty-five people were confined. Mr. Williams had written some of his experiences on a bit of paper. This was taken and in his trial, which took place the day of his arrest, was used against him.

Mr. Williams was put through a rigid examination. One of the questions asked was what his occupation was. On answering that he was a violinist and musical director, the prisoner was led by four soldiers to the top of the building, where all the prisoners were confined.

Mr. Williams was sent back through a rigid examination. One of the questions asked was what his occupation was. On answering that he was a violinist and musical director, the prisoner was led by four soldiers to the top of the building, where all the prisoners were confined.

(Continued on Page Six)
TECH UNION BARBER SHOP
Located at the Hotel Westminster

Handy to the Institute. Up-to-date, fashionable hair cutting by skilled barbers. The best hygienic and most perfectly ventilated shop in the Back Bay. Hope you will convince yourself by giving us a trial.

THE TECH UNION BARBER SHOP.

TO LET
At 45 St., Botolph St.
Large sunny room, suitable for two. Occupants may have free use of wireless aerial.

LOST
A brown leather wallet stamped Ed. Costello, containing $8.00 in bills, registration card and laboratory deposit receipt. Please return to the office of Sup't. Bldgs. and Power.

JUNIOR CHAMPIONSHIP ENTRY BLANKS OUT
Events Will Be Held In Brooklyn
—Large College Entry Expected.

Entry blanks were sent broadcast last week for the Junior Indoor Championships of America, which are to be held Tuesday evening, December 29th in the 13th Regiment Armory. Eleven championship events are on the program as follows: 220 yard dash, 600 yard run, 1000 yard run, 5 mile run, 1 mile walk, 60 yard hurdle, standing high jump, standing broad jump, running high jump, and 12 pound shot put. These events are open to all registered amateur athletes who have not won an A. A. U. Championship, Canadian Championship, or an Intercollegiate Championship or the Championship of any foreign country. The prizes are the regulation solid gold, silver and bronze medals emblematic of the Junior Championship of the United States. A handsome banner is also offered to the team scoring the highest number of points.

The college entry this year is expected to be larger than ever and all entries will close December 22, 1914, with Fred W. Rubien, Chairman of the Championship Committee, 21 Warren Street, New York City.

PHI DELTA THETA
All members of Phi Delta Theta now connected with M. I. T. are urged to communicate with E. A. Ingham, Dept. of Biology.

IT PAYS TO TRADE WITH OUR ADVERTISERS