THE TECH

VOL. XXXV. NO. 60
BOSTON, MASS., FRIDAY, JANUARY 7, 1916
PRICE FIVE CENTS

CHEMICAL SOCIETY TO
HEAR EFFICIENCY TALK

Professor Lewis, Mr. Alexander
To Speak At Tonight's
Meeting.

The Chemical Society will hold its
next meeting tonight at seven-thirty
o'clock in the Union. The subject of
discussion will be "Engineering Ef-

ficiency." The speakers will be Pro-
fessor W. K. Lewis of the Chemical
Engineering Department and Mr. Mag-
nes Alexander of the General Elec-
tric Company. Dr. Lewis is to speak
on the "Taylor System of Efficiency
Engineering." Mr. Alexander's sub-
ject is "The Hiring and Firing of
Men." As the head of the Employ-
ment Department of the General Elec-
tric Company, Mr. Alexander has got
a great deal of experience in handling
men.

The meeting will start promptly at
7:30 o'clock so that any men who
wish to go to the concert can hear
one speaker. After the talk, refresh-
ments will be served.

ROPE DRIVES

C. B. Sawyer Addresses Mechani-
cals On Methods.

Last Wednesday afternoon Mr. C.
B. Sawyer of the Dodge Sales & En-
ingineering Co. spoke before the Me-
chanical Engineering Society on the
subject of Rope Drives. Two systems
are in use, the English and the Ameri-
can. The English sys-
tem consists of a large number of in-
dependent loops of rope passing over
the pulleys, while the American sys-
tem has only one long rope which is
passed around the pulleys a sufficient
number of times and also around a
tightener. The English system can
be used at an angle, but the American
system cannot. The English system
is less subject to the problem of wear
and frequently the different ropes are al-
live at the same time and thus the
load and soon wear out. In the
American system there is no wear at the
same tension. Thus
it also causes trouble because of the
fact that the different ropes are al-
most never at the same tension. Thus
some ropes are carrying the greater part
of the load and some wear out faster.

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SOCIALISM, NEW AND OLD

The M. I. T. Forum has been fort-
unate in obtaining an unusually live
and interesting speaker, Mr. R.
Grover Mills to address them. Mr.
Mills has been in charge of the ser-
vice at the Unitarian Church in Wat-
tertown for several years until he was
called to become the New England
secretary of the Pres Religious Asso-
ciation. He is now president of the "Falan
club," which originated with G.
Bernard Shaw, in England. He is
also the presiding officer at the School
of Social Science.

Rev. Mills will speak on "Social-
ism," next Tuesday. Further particulars
may be found in Monday's TECH.

RECORD NUMBER PRESENT
AT JUNIOR DINNER

Undergraduate Part In Dedication
And Reunion Next June
Made Public.

The Junior Class held their annual
dinner last night at the Union and
assembled some 292 men.

The gathering was by far the larg-
est in the history of the class; the
freshman dinner bringing out 134,
and the Sophomore banquet only 137.
In comparison with recent class din-
ers at the Union, the affair of last
night was the largest held for the
Union or elsewhere.

The class assembled at the Union
at 6:30 o'clock and shortly after pro-
tected to the dining room below. By
special arrangement with Steward
Colton an excellent meal was served.
The committee on the dinner was at
first skeptical about raising the price
from fifty to seventy-five cents. Their
reason for the innovation was chiefly to
be able to give a more attractive din-
ner.

Following the dinner proper, Pres-
ident E. F. Brooks, who acted as toast-
master for the occasion, introduced
Dean Burton. The Dean has addressed
the Class of 1913 on the occasion of
(Continued on Page Five)

TECHNOLOGY-DARTMOUTH

Hockey Squad Will Meet Han-
over Seven.

The M. I. T. T. Hockey squad leaves
the North Station this afternoon at
4:30 o'clock for Hanover, where it is
scheduled to play the Dartmouth team
tomorrow afternoon for the second
time this season. After being worsted
in the first clash, the Indian team has
been practicing regularly and with the
confidence acquired through their win
over Amherst Aces, Manager
Dr. Carleton feels sure that a better show-
ing will be made tomorrow. The
Dartmouth team has won and lost since
playing Technology, winning from Am-
herst Aces 4-3 and losing to the B.
A. A. team by the same score. Tech-
nology has only played one game as
noted before which it won 1-0.

The members of the squad who will
join the trip are Capt. Cochrane,
Clarke, Johnson, Swain, Thomas, Tu-
ton, Woodward, and one other who
has not yet been picked. Coach Wana-
maker will probably accompany the
team.

MUSIC COMPETITION

Next Tuesday afternoon Mr. How-
vard and several other judges will make
the final selection of music for the
Teach Show. All music writers are to
meet the judges at 8:30 o'clock in the
Union, and must be prepared to play
their final compositions for the judges.

THE PAN-AMERICAN
SCIENTIFIC CONGRESS

Professors Sedgwick And Jackson
Active In Proceedings At
Washington.

Technology has had a number of its
instructing staff at the Pan-American
Scientific Congress in Washington,
headed by Professor W. T. Bedell,
who has many errands at the Capito5.
(Continued on Page Four)

RELAY TEAMS

Varsity And Freshman Teams To
Be Chosen.

The first time trials for the varsity
and freshman relay teams were held
Tuesday; all relay candidates will be
 timed during this week. Those are
only preliminary time trials but they
have a very important bearing on the
final selection of the teams that are to
run in the B. A. A. annual games on
February 5, when the varsity races
Dartmouth and the freshman meet
Freshman and Dartmouth in a tri-
angular race.

There will be a cut made in the
freshman squad immediately after the
Interclass Track Meet. The rooms and
time for handing such a large num-
ber is not adequate and it is impera-
tive for the success of the teams that
they receive more room and time.

It is also especially important that
all members of the squad report for
the Interclass meet next Saturday.
These desiring to remain on the list
of candidates ought surely to put in
an appearance for this meet.

STATISTICS

Statistics just issued show that the
average standing of fraternity stu-
dents during the past year has been
the same as that of the other stu-
dents. The record slightly exceeds
that of the previous year.

The comparison of the classes shows
that the average of the second year
equals that of the first; the third
year equals the first; and that the
senior average is the highest.

In the activities, the men in athle-
tics and those on the Tech, Teams
and the Monthly, stand above the
average, while those in the Show
(1914) and in musical clubs do not
show so good a rating.

M. I. T. ORCHESTRA

Twenty-six men were present at
the regular rehearsal of the orchestra
Wednesday afternoon. Some new ten-
didates have come out since the an-
nouncement of the orchestra's con-
nection with the Tech Show, and the
management desires to hear from all
prospective members before the mid-
year vacation, as the orchestra now
has nearly a full personnel.

ALL-TECHNOLOGY CON-
FERENCE THIS EVENING

Fine Program Arranged By
The Combined Musical Clu-
bs For The Event.

The multitude have arisen and by
the time this goes to press every road
in Boston between Massachusetts Ar-
ridge and Tremont Street will have
thronged with people or perhaps we
might say drove of people all eager
and madly rushing to get to the All-
Technology concert of the Combined
Musical Clubs. In fact, as one ex-
pressed it, a resident of this burg
who features forth at the hour set for
action will think the World's Series
is being played all over again.

As for the men themselves, that is,
the songleaders, they wish to announce
to the public that with all due modes-
try, etc., etc., they will put over the
best collection of classics, sympho-
(Continued on Page Two)

COSMOPOLITAN CLUB

"Chinese Night" To Be Held
Next Wednesday Evening.

On Wednesday evening, January 12,
the Cosmopolitan Club will hold its
so-called "Chinese Night" in the Union
at 8 o'clock. The program has been
definitely arranged, and will include
the Chinese instrumental music, songs,
and acts. The committee in charge has
been able to secure this year the
squad for the Interclass meet next Saturday. Those desiring to remain on the list
of candidates ought surely to put in
an appearance for this meet.

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prospective members before the mid-
year vacation, as the orchestra now
has nearly a full personnel.

INTERCLASS TRACK MEET

The Interclass Track Meet will be
held in the Gymnasium tomorrow at
2:30 P. M. sharp. Every member of the
track squad is required to be present.

The order of events is as follows:
100-yard dash, 220-yard dash, 440-yard
run, 880-yard run, hurdles, low hurdles,
high jump and shot put.

CALENDAR

Friday, January 7, 1916

4:00—Hockey Team leaves North
Station for Hanover.

7:30—Chemical Society Meeting
Union.

8:00—All Technology Concert, Hunting-
ton Hall.

8:00—Chess Meet, Technology vs.

Saturday, January 8, 1916

2:30—Interclass Track Meet, N. L.
T. Gym.