ELECTRICALS EARL
TECHNOLOGY ALUMNI
H. A. Morse '93 Talks Of Wire
Insulation— Trips

Last evening the Electrical Engi-
neering Society held a meeting in
the Union. There was a short busi-
ness meeting at which the subject of
the mid-year trip was taken up and
itineraries of the Schenectady trip
and an alternate trip leaving on that
day were given. A provisional list of
the men who are going and their pre-
ferences of the trips is to be made out
and the sign up paper is with Miles Payson in 15 Lowell.

After stating that there would be
three trips to the Simplex Wire and
Cable Company plant in Schenec-
tady, beginning with today, President Rich-
mond introduced Mr. Morse of the Simplex Company, who gave a very
interesting talk on the production of the wire. Mr. Morse began by ex-
plaining that the company only im-
lates the wire, buying the wire bare.
The wire is then made up as single
wires or cables and insulated. Very
often large wires are wanted and if
they were only one strand they would be
stiff, so several strands are wound
together to get the flexibility.

Rubber is the chief insulating ma-
lerial but sulphur is a necessary con-
stituent of the rubber and this is
detrimental to the copper. So, to
counteract this difficulty, the wire is
coated with tin, which is put on by
immersion in a bath of melted tin.
The actual core of the wire is a
perfect insulator. The rubber used,
he said, comes from Brazil and the
Far East and is not so generally used. The other insulat-
ing materials, which never contain
thoroughly dried cork, have to be given
an alternate trip leaving out that
particular trip.

Mr. Morse, who at present is con-
tacted with the H. W. John-
son Co., will be the subject of the
Insulation of Cold Stor-
grage Places. The lecture will be
illustrated by lantern slides showing
typical applications of the uses of
cork for this purpose. He will give
the history of cork hoarding in con-
nection with cold storage insulation.
All men from Courses 11 and X as
well as members of the Society are
particularly invited.

TALK ON TIRES

Chemical Society To Hear Tech
Graduate Friday Evening.

The Chemical Society has secured
for its next speaker Mr. W. W. Dun-
can, M. I. T. '04, of Course V. Mr.
Duncan is head of the Hood Rubber
Company, and will talk on the sub-
ject of "Tires." It is expected that he
will deal more particularly with the
chemical problems encountered in
the manufacture of tires. The of-
ficers have selected Mr. Duncan to
account of his reputation of being a
good speaker. They say that an in-
teresting lecture is to be expected.

The talk is to be given in the
Union at 7:30 P. M. next Friday, No-

summer. Refreshments will be
served, which will be free to the
members of the society. Non-
members will be charged 25 cents.

MARINE INSURANCE

A lecture will be given on Marine
Insurance by Mr. William H. Lin-
coln at 4 o'clock, Tuesday, November
18th, in Room 32, Engineering Soc-
iety. The young students in Naval Architec-
ture; invitation to this lecture is extended to
others who may be interested.

Mr. Lincoln, who is a member of
the Corporation and of the visiting
committee of the Department of Na-

vical Architecture and Marine Engin-
ering, was for many years the chief
engineer for the Leyland Line of steamers.

1916 NOMINATIONS

Sophomore nominations are now
open and the last opportunity to
hand papers in will be Saturday, No-
ember 13, at 4 o'clock. P. M. Pay-
sors are to be handed in at the Cage,
decided to the Election Committee of
the Sophomore Class. The officers
to be elected are: President, Vice-
President, Secretary, Treasurer, two
members of the Institute Committee,
two members of the M. I. T. A. A.,
and two members of the Executive
Committee.

This weather makes us hustle.

CIVILS TO VISIT
COMMONWEALTH PIER

Engineer For Port Directors To
Speak Thursday Afternoon—
Trip Friday.

The second regular meeting of the
Civil Engineering Society will be held
in 11 Engineering B. Thursday, No-
ember 13, at 4 P. M. Mr. John A.
Ferguson '97, assistant engineer for
the Directors of the Port of Boston,
will give a talk on the construction
of the new Commonwealth Pier.
This is intended as a sort of intro-
duction to a trip which the Society
will take to the pier on Friday. The
details of this trip will be announced
at the meeting. At this time the pin-
gles and pips will be ready for dis-
tribution. An arrangement has been
made whereby all those who desire
pins may obtain them at the meeting,
whether they have previously ordered
them or not.

The Commonwealth Pier is a note-
worthy piece of engineering work both
as to site and outlay of money. It is
2000 feet long and 400 feet wide.
The actual core of the pier is 400 feet
wide and 1150 feet long. This part
is composed of a solid gravel gran-
ite retaining walls having rip-rapped
shoulders. Outside of the core is a
crete platform 50 feet wide, extend-
ing all around the pier, resting on oak
piles with concrete beams and flour
slabs. The pier carries six railroad
tracks, one on each platform and two
pairs on the middle structure. There
are three parts to the superstructure,
a central passenger shed and freight
sheds. The head house, a four-story structure, is the principal
architectural feature of the pier.

This pier is built on and around
an older one which is fifteen years old.
The certain wall of the new pier is
built around the retaining wall of the
older one. The new structure, when
completed, will cost about $3,000,000.

TENNIS TOURNAMENT

Semi-Finals Commence Today At
Tech Field.

The third round of the M. I. T.
Tennis Tournament was complete yester-
day at the Tech Field. Today the
semi-finals will commence. The scores
of yesterday's games were as fol-
low: Carr '16 defeated Blakeb 74, 75, 6-4; Warren '16 defeated Cor-
tin '16 by default; H. R. Stewart
defeated Fay '14, 6-4, 6-1. Polley
defeated Makepeace, 8-4, 6-2. This af-
fair Warren vs. Carr and Stouffer
vs. Polley are the matches scheduled.
This will determine the players of
the finals.

SOCCER PRACTICE

Coach Kandy will be out at the
Field today to look over the soccer
practice. The Field will be marked
out as the game requires and definite
plans will be discussed. Several Freshmen have substituted soccer
for tennis, and these interested will be
called upon to handle their position.
We will do so, that the sport may have
good, strong support.

The nucleus of a Spanish American
club will meet tonight.

MUSICAL CLUBS

Glee Concert.

The Combined Musical Clubs held
their first concert of the year at
Franklin Square House last evening.
Both the vocal and instrumental
numbers were well received, espe-
cially the Stein Song, given by the
Glee Club as the final selection. The
encores for the Mandolin Club were
given by a quintet consisting of E. C.
Taylor, K. T. King, G. R. Dwyer, R.
H. Dickson, and R. Moorhouse. En-
cores were also given by a selected
quintet of the Boston Oratorio
Society.

The program was as follows—

The Sword of Ferrara
Ballard '87
Glee Club.

The Darkies' Dream
G. L. Lansing
Banjo Club.

For You
M. E. McCreight
Banjo Club.

Glee Club.

Song of the Beatmen on the Volga
Russian Folk Song
Stein Song
Glee Club.

WEATHER

For Boston and vicinity: Fair to-
day, with westerly winds.

CALENDAR

Wednesday, November 12, 1913.
2:00—Economics Club—Eng. C.
2:00—E. E. Society Trip—Simplex
Wire Cable Co., Cambridge—Meet in
Library in Lowell.
4:00—M. I. T. Women's Institute—
Library in Lowell.
4:00—M. I. T. Student Council—
Library in Lowell.
4:00—Basketball—Gym.
4:00—Cross-Country Meet—Field.
4:00—Banjo—Field.
4:00—Soccer Practice—Field.
4:00—Da Pont Cup Competition—
Field.
5:00—Safe of Kommers Dinner
Tickets Closing—Cage.
5:00—The Varsity Orchestra Re-
hearsal—Union.
8:00—Spanish American Students
Meeting—Hotel Belvidere.
8:00—Architectural Engineering
Society—42 Pierre.

Thursday, November 13, 1913.
2:00—R. E. Society Trip—Sage-
Wednesday.
4:00—C. E. Society—II Eng. B.
4:00—Da Pont Cup Competition—
Field.

There is still much room on THE
TECH for energetic and reliable
men. Drop in at the office and see
how you like it.

The N. E. I. C. A. A. Cross-Coun-
try Run is at Hanover this Saturday.
KOMMERS DINNER TOMORROW NIGHT

Good List Of Speakers—Tickets Must Be Bought By P. M. Today.

Tomorrow evening the Annual Kommers Dinner will be given in the Union. The Tech Show management has arranged for many interesting speakers, and a large number is expected. The tickets will be on sale till 4 o'clock this afternoon, and those who desire to go must have the tickets by then as Steward Colton must know just how many to expect. Tickets will be sold in the Union this noon.

The principal speakers will be Dean Burton and Mr. Litchfield. C. P. Paine, last year's stage manager, will have something to say to those present, as will R. Weeks, last year's general manager, P. L. Steele, who is to conduct the orchestra this year, will talk about the orchestra. The business and will be discussed by Roger Lord, business manager. This year's stage manager, D. M. Hughes, will also speak.

Manager Lord wants all business candidates to meet him in the Show Office at 4:30 this afternoon to tell how many tickets have been sold.

MEASURED FOR SWEATERS

Junior Class To Have Baseball Team Next Spring.

Yesterday at one o'clock in the Union the members of the 1915 Baseball Team were measured for the sweaters which were voted them at the class meeting last Monday. The list of men to whom the sweaters have been awarded has already appeared.

Manager Thomas when interviewed yesterday stated that the Junior class will be represented on the diamond again this year. A good schedule will be arranged, and he hopes to have an even better team than that which did so well last spring.

ARCHITECTURAL TALK

The Architectural Engineering Society will hold a meeting at 8 tonight in Room 42 Pierce. The Speaker of the evening will be Mr. C. H. Blackall, who will talk on the subject of "The Business of Architects and Its Relation to Architectural Engineering." A social meeting will follow the speaking.

The lecturers at the Boston Public Library on Sunday afternoons and Thursday evenings are well worth hearing.

Once or twice during the present term we have had occasion to remark the tendency which exists at Tech to let states of affairs rest as they always have been, even when there is no reason stronger than the force of custom why they should so continue. We wonder whether this is not the case with the day on which Field Day is held.

Would it not be better if, in the future, the date of Field Day were set for the last Saturday before or the first Friday of November? The present arrangement is admittedly awkward, for, with the games in the afternoon and Tech Night in the evening, those who enjoy the full benefit of the occasion cannot prepare Saturday's work. If Field Day were on Saturday, however, things would be much more convenient. The Faculty could suspend exercises on Saturday morning instead of on Friday afternoon, which would give us a whole day unmarred by work without involving a greater loss of time. So many of our friends would enjoy the games who are now prevented from so doing by business or other cares. Another important advantage of a change in date would be the rest which it would enable the teams to take both before and after the ordeal.

We know that there are disadvantages as well as advantages in having Field Day come on Saturday, but we submit our views in the belief that they will appeal to the majority of Tech men.

THE TECH, BOSTON, MASS., NOVEMBER 12, 1913.
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How do we do it?
Come and see.

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TIME EXTENDED ON
DU PONT COMPETITION
Lower Classmen Have Another
Week To Try For Yearly Prize.

Owing to a general misunderstanding
as to the closing of the Du Pont Competition it has been decided
to extend the time somewhat. Those
desiring to compete may do so today
and tomorrow, and from Monday to
Thursday of next week. The competition
will close finally on Thursday,
November 20.

To inform new men at Tech, the Du Pont Competition will be ex-
plained. The prize cup was given by
Colesman Du Pont. The competition
is divided into two parts, the Fall and
Spring Competitions. The scoring is
done in three divisions. Each candi-
date must try out in a run, a jump,
and a weight event. The maximum
score in each event is a hundred,
rated on the basis of a good perfor-
ance. Thus the maximum score is
three hundred. The idea is to de-
velop all-around athletes and to stimu-
late the interests in track athletics.
The competition is open only to
Freshmen and Sophomores.

HARE AND HOUNDS CLUB
TO RUN AT WAKEFIELD
Men To Go Over Handicap Cross-
Country Course This Saturday.

This Saturday the Hare and Hounds Club will go to Wakefield. Besides
being a good practice run, this trip is
the only chance new men will have of
learning the course over which the
Annual Handicap Cross-Country is
held.

The course at Wakefield, which
starts at the Y. M. C. A. ends at the
green after a circuit of about six
miles. The course is a combination
of road, wood and field work, which
makes it very interesting. The pace
will not be fast as the Cross-Country
Team will not be here and but one
slow squad will be run.

The men will leave by the 2:14
train from North Station. The return
trip fare will be 25 cents.

ELECTRICAL SMOKER
(Continued from page 1.)
in the center. The die keeps the
rubber the correct size. The wire is
led into pans or onto rolls after being
covered with chalk to prevent the
strands sticking together and then
put into vulcanizing furnaces, where
the rubber assumes the elastic form
with which we are familiar.

After this Mr. Morgan turned his
attention to the making of lead-cov-
ered cables. Here the process, he
explained, is similar to the rubber
casting one. First the molten lead
is poured into a press and coated
after which it is forced out as the
rubber was with the lead wire in the
center, the size being determined as
before by the die.

Cotton-covered wire is produced by
a braiding machine, which consists of
many spools working in and out with
the wire in the center. The spindles turn and winding the
wire, although the wire itself is
never twisted.

The next meeting will probably be
held on Dec. 16, when Mr. L. L. El-
den, the head of the Electrical En-
ing Department of the Edison
Power Co. will speak on the "Di-
tribution Systems of the Company."

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the smartest collar style of the
season—"SHADOW"—the LION
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Look for it in your dealer's window—the style with
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