HARE AND HOUNDS RUN
AT MELROSE SATURDAY

Track Men Must Report in Place of Regular Work—Two Squads.

The handicap race last Saturday was supposed to bring the cross-country track season to a close, but since the weather has been so fine and promises to continue so, another hare and hounds race has been arranged for Saturday of this week at Melrose. As usual, men need to be reported at two o'clock, and two squads, one consisting of track men will run a short course of about three miles, and the other, including the distance and the two-mile relay run, will cover about four miles.

Every man out for the track team must attend. In place of the regular Saturday afternoon work. Since the track season has now started there must be no more cutting practice, but if the weather is such on Saturday that running is impossible all men will be expected to do as much as possible of the regular vegetable work. A notice to such an effect will be posted on Rogers bulletin board early this morning.

The train for Melrose leaves the North Station at 2:25 P.M., and the men must report on time so they will not lose this important practice.

POUT NIGHT TONIGHT.

Excellent Entertainment to Be Given by Orchestra.

Attention is called for the last time to the “Pop Concert” to be held this evening in the auditorium. The fee for a man to offer is one of the best ever held in the Institute, and is hoped that the men will show their appreciation by turning out in large numbers. So far a very large number of tickets has been sold and the indications are that the evening will be a successful one in every way. These Friday evening entertainments are proving to be a great success and are an inducement to increase the facilities in the social life of the students, as the better the entertainment the more inclined it is to become better acquainted with each other, and give the freshmen a chance to meet and mingle with the upperclassmen, but the few that have so far been held this year have not been very well attended. For this reason it is hoped that the men will turn out in large numbers so to insure making these pleasant even if for a regular feature during the winter months.

The program which has been ar-
anged by the Orchestra is an un-
Written Practice.

The program begins at 8 o'clock.

WRESTLING PRACTICE.

In these words it is now coming along in fine style. At first the interest was shown towards this activity, but now men have begun to investigate the science and find how much they are taking more interest. They are not only interesting themselves, but the interest of others is started. For a quite a squad is reporting for prac-
tice, and the beginning of the season had brought many more about the art of catch-or-catch-em, but by faithful at-
tendance tendencies they are picking up the game held by hold.

The practice consists mainly of friendly bouts among the members of the squad, during which the different holds and bridge are tried out and drilled into the men. Most of the members of the squad of a site are always made to wrestle together. Some of the new men are showing remarkable ability in these mixups, especially Hodge, who, al-
though not a wrestler by profession, is a remarkable bridge man. Smith, Martin refreshes all the same and gives ample advice as to how and break holds.

If anybody has ambitions to be a wrestler, don't hesitate, but come out and practice as you may.

MAIL. COLE SPEAKS TO CIVIL SOCIETY.

Describes Methods of Rapid Mapping as Practiced in the Army.

The Civil Engineering Society held its sixteenth meeting of the year in Engineering B yesterday afternoon. The chairman reminded the members of the trip that many are going to make to Natick Sunday, but he directed that this bridge put into place in the least possi-
ble time. In order that the expense to all who wish to make this trip may be as small as possible, a large num-
ber of signatures of those who intend to go with the crowd is needed.

Concluding the day, Major Cole, was then introduced by the chairman. Major Cole said that he had been with the men of the army when there was the beginning of fog to be convinced that “Foggy Fire Sig-
ning” was possible. To show them that it was more than possible, that it was practical, even when ordinary troops carried on the work, he de-
scribed the training and system that receive at Fort Leavenworth, and showed the society some of the work.

Major Cole first endeavored to make men realize that many undertakings under unusual sur-
veying is carried out in time of war. At any time an army may be working over territory which has not been suffi-
ciently mapped. In modern warfare the use of aircraft and aerial photography is absolutely essential, for combat is carried on under the direction of officers miles in the rear. The formation of such maps must be done in advance of the army, and so the mappers work just behind the cavalry screen which every (Continued to Page 3, Col. 2.)

WRESTLING PRACTICE.

Interest Increasing and Good Progress Being Made.

Wrestling practice is now coming along in fine style. At first the interest was shown towards this activity, but now men have begun to investigate the science and find how much they are taking more interest. They are not only interesting themselves, but the interest of others is started. For a quite a squad is reporting for prac-
tice, and the beginning of the season had brought many more about the art of catch-or-catch-em, but by faithful at-
tendance tendencies they are picking up the game held by hold.

The practice consists mainly of friendly bouts among the members of the squad, during which the different holds and bridge are tried out and drilled into the men. Most of the members of the squad of a site are always made to wrestle together. Some of the new men are showing remarkable ability in these mixups, especially Hodge, who, al-
though not a wrestler by profession, is a remarkable bridge man. Smith, Martin refreshes all the same and gives ample advice as to how and break holds.

If anybody has ambitions to be a wrestler, don't hesitate, but come out and practice as you may.

MAIL. COLE SPEAKS TO CIVIL SOCIETY.

Describes Methods of Rapid Mapping as Practiced in the Army.

The Civil Engineering Society held its sixteenth meeting of the year in Engineering B yesterday afternoon. The chairman reminded the members of the trip that many are going to make to Natick Sunday, but he directed that this bridge put into place in the least possi-
ble time. In order that the expense to all who wish to make this trip may be as small as possible, a large num-
ber of signatures of those who intend to go with the crowd is needed.

Concluding the day, Major Cole, was then introduced by the chairman. Major Cole said that he had been with the men of the army when there was the beginning of fog to be convinced that “Foggy Fire Sig-
ning” was possible. To show them that it was more than possible, that it was practical, even when ordinary troops carried on the work, he de-
scribed the training and system that receive at Fort Leavenworth, and showed the society some of the work.

Major Cole first endeavored to make men realize that many undertakings under unusual sur-
veying is carried out in time of war. At any time an army may be working over territory which has not been suffi-
ciently mapped. In modern warfare the use of aircraft and aerial photography is absolutely essential, for combat is carried on under the direction of officers miles in the rear. The formation of such maps must be done in advance of the army, and so the mappers work just behind the cavalry screen which every (Continued to Page 3, Col. 2.)
The Institute on important subjects. They will be able to make themselves of more value to their future employers because of it.

Did you hear Major Cole say "All right," or would you say, "That can't be done?" The Finance Commission seems to have a good publication,-

The Finance Commission seems to have the necessary books, and they will be able to make themselves of more value to their future employers because of it.

PHOTOGRAPHY

A. T. Gibson. 1913 ...... Business Manager
A. H. Diett. 1914 ...... Chief News Editor
L. W. Chandler, 1912.... Managing Editor
E. W. Tarr, 1912 ........... Editor-in-Chief

M. W. Burdett, 1915 ...... General Manager
C. W. Tarr, 1927 ......... Editor-in-Chief
L. W. Chandler, 1927 .... Chief News Editor
C. A. Cary, 1922 ....... Assignment Editor
A. J. Paulson, 1924 ...... Associate Editor
A. J. Chandler, 1915 ....... Business Manager
I. H. Lofstrom, 1912 ....... Ad. Manager
L. W. Webster, 1913 ....... Treasurer
F. L. Pickering, 1902 ....... Executive Editor

Office, 44 Trinity Place.
Phone: Back Bay 5227 or 5620.

STOCK AND COMMODITY REPORTS.

(Continued from Page 1.)


good time.

(Continued from Page 1.)

SWOTCK AND COMMODITY REPORTS.

STOCK AND COMMODITY REPORTS.

50c to $3.50

50c to $3.50

50c to $3.50
BOSTON OPERA HOUSE
HENRY RUSSELL, Managing Director

Monday, December 6, at 8 p.m.
"MADAME BUTTERFLY"

Wednesday, December 8, at 8 p.m.
"THAI"s"

Thursday, December 7, at 8 p.m.

"TOSCA"

Friday, December 8, at 8 p.m.

"LA BOHEME"

Saturday, December 9, at 8 p.m.
Maltese at 2 p.m. M.

"SAMSON et DALILA"

Do You Walk Right?

FOOT COMFORT

It is possible to every man. Walking is painless and weakness is cured. Do not bind your feet with stiff shoes. Wear our double action "shaitleen" shoe, designed, made and sold in Boston only by us.

GROUND GRIPPERS

Do not buy imitations. There is only one correct medical shoe.

E. W. BURT & CO.
32 West Street, - - BOSTON
Out, Mason Street

PRESTON'S
Coffee House

OPEN ALL NIGHT

1036 BOYLSTON ST.
BOSTON

Telephone, 21717 B. B.

The Machine You Will Eventually Buy

Underwood Typewriter Co.
216-218 SEVENNINNY AV. - - BOSTON

Old Established Dining Room

H. O. House, Prop.
33 SAINT BOSTON STREET

Meat Ticket $4.50
Lunch $2.50
Breakfast $1.60
Luncheons $1.25
Dinner $4.15

WE CATER ESPECIALLY TO STUDENTS

SHOW POSTER

COMPETITION OPEN

Requirement Explanation This Afternoon in Room B by Manager.

Competition for the Poster for Tech Shore, 1912, is now going on and all men having any talent at all in this kind of work should come to Room B, in the Union, today, between 5 and 6 O'clock, and receive detailed instructions from Manager G. E. Whitwell. Yesterday afternoon two men reported, while last year thirty-five men reported after the first call. There is plenty of ability here in the institute and the management is both to call on outside talent until it becomes a last resort. A price of $10.00 is offered again this year for the most suitable poster and this should be an added inducement to send in the first design. The title of the show, "Castles in Spain," is a very suggestive one and it should be easier to produce a suitable poster this year than in former years.

Off the posters for the thirteen shows produced, six were drawn by students and the other seven by professionals. For the past six years, however, every detail of the show has been the work of Tech students. It would, therefore, be entirely inac- curate if the management is forced to call upon outside talent, especially when there is such an abundance of good material here at the Institute. Should any man find himself unable to report this afternoon he should leave a note at the "Cage" for Manager Whitwell, at his earliest conv- enience, as the work should not be undertaken without the instructions to be given this afternoon.

MILITARY SURVEYING

(Continued from Page 1.)

The body of troops sends on ahead. This survey is usually one day in advance of the army, and it is this day's in- terval (about 20 miles) that the con- vergers have to cover each day. For this rapid pace the only instrument available is a simplified plane-table. It is a board, light enough to be car- ried on the forearm, on which a piece of transparent celluloid is fastened, and over which a sighting-piece can be moved at will. The map is drawn in pencil on the celluloid which is used for this purpose, the peince lines are not affected by rain, and yet tracings can be readily made, and blue prints copied taken.

The men who do this work are first taught the relation between ground- forms and their representation on paper (by contours); then how to est- imate distances to a scale of 3 inches to the mile, and to make maps from a single station. Practice in making accurate maps while walking on a straight line follows, and then the men are sent out for active ser- vice. In this service they make maps for use in war games, drawing the sur- vey on roads and water systems, for the latter furnish a check on results obtained by other means. Maps are based on existing roads in the fol- lowing way: A mounted man, car- rying an american barometer, gallops over the main road, establishing stations at half-mile intervals. At these points he indicates the direction in which traverse lines are to be run, and gives the approximate distance and exact altitude. Details of three men start from these stations, two of them map- ping the traverse line and its sur- roundings for two miles from the road, while the other accurately de- scribes the length and direction of the road. To correlate the many small sketches made, the neighboring parties survey together back to the road. This method enables the army mapyers to produce accurate maps at an incredible rate. Major Clark made maps made by one mounted man at the rate of three miles an hour, maps made by a class of 35 men covering in a day's work 25 square miles, and other maps comparing fa- vorably with scene less detailed ones made by the Geological Survey.

J. C. LITTLEFIELD

HIGH CLASS

TAYLOR

Smart and
effective fabric;
the latest tex- tures
prices that are right. Come
and be "satisfied."

12 Beacon St., Boston
Our Special Offer
FULL DRESS SUIT
Silk lined throughout.
at $45.00

C. A. Pattco & Co., Merchants Tailors
43 Tremont St., Carney Bidg., Boston

SPECIAL ATTENTION TO TECH MEN

M. J. HANNIGAN
Hotel Westminster Barber Shop
MANICURING

COPELEY SQUARE, BOSTON

Telephone, Back Bay 41050

HAIR CUTTING
UNDER
COPELEY SQUARE HOTEL
4 BARBERS
MANICURE
M. J. LANDRY, - - Proprietor

OLD COLONY TRUST COMPANY

Capital and Surplus, $12,500,000.00

Main Office, Court Street

Branch Office, Temple Place

SAFE DEPOSIT VAULTS AT BOTH OFFICES


does away with the buttonhole that bothers.

ARROW COLLARS

Best Quality for that dress you admire so much.
Right as a top coat, and frame as the final on the shelves looks
$45 and upward.

Other choice fabrics, $25 and upward.

Ask all-fashioinable tailor soon for these.

Don't delay or you'll get caught.

Bucke & Co., Inc. Tailors
24 Tremont St., Boston

24 Tremont St., Boston

35 SAINT BOTOLPH ST., BOSTON

Tickets: 7 Boystones & Lumbermen and 7

Singing Students. Ticket: 5 Throats. Price: $1.150. We make a specialty

of custom tailoring. Write for catalogues.

Established 1877

THOS. F. GALVIN, Inc.

Flowers
24 Tremont St., Boylston cor. Fairfield

BOSTON

THE TECH, BOSTON, MASS., DECEMBER 8, 1911
PLYMOUTH THEATRE
ELOFY, NEAR TREMONT
Madame Simone
in Henri Barbusse's
"THE WHIRLWIND"

SHUBERT THEATRE
Eustonian Wed. and Sat., Masterlink's
"THE BLUE BIRD"
NEW THEATRE PRODUCTION

MAJESTIC THEATRE
Tonight at 8:15
Matthews Wed. & Sat. at 5:30
HENRY W. REAGAN
offering the Longest Distance Spectacle
A MODERN MORALITY PLAY
BY WALTER BROWN
EVERY-WOMAN
Her Filings in the Land of Love
N. T. Production and Cast
Ensemble of 250 people

Castle Sq. Daily 2 and 8
Mr. John O'Neil Announces
"The Woodsman"
Prizes $10, $20, $50, $100, $500
Brown Town Ticket Office—15 Winter Street
POP NIGHT TICKETS.
All men who have taken out tickets to sell for Pop Night are requested to turn in the money together with all unsold tickets to F. H. Achold, "Opa's" before 4 P. M. Friday. It is necessary to know approximately how many have been sold so that adequate refreshments may be provided.
If you patronize our advertisers, tell them about us.

TYPEWRITING
MANIFOLDING
PRINTING

Tech Typewriting Bureau
OPPOSITE TECH UNION
39 Trinity Place
Tel., Back Bay 1337

"ZARIFFE"
Private Monogram CIGARETTES
100 for $2.00
Gold, Cork, Straw or Plain Tips. Natural fragrance, mildness and satisfying qualities
SAMPLE THEM IN THE UPPER TECH OFFICE
A. T. GIBSON, Agent

COLLINS & FAIRBANKS CO.
YOUNG MEN'S HATS
RAIN COATS
AUTO COATS
363 Washington Street, Boston
CATALOG 45 NAILD UPON REQUEST

Classified Advertisements and Notices

HERRICK, COLEY SQUARE
Choice Seats for all Theatres
Phone 502, B. 2322
Key Numbers Connecting Free Phones

HARVARD SEAL on watch fol-
lowed at Huntington avenue and Trem-
ton. Owner's initials up back. May
be claimed at Reader's Office.

RELAY PRACTICE
(Continued from Page 2, Col. 3)
the team would be practically invincible.
In looking over the men at prac-
tice in the Gym it looks good to see men taking to the exercises that we have
always been naturally weak in, such as
the pole vault and high jump, although
in the latter event we have
one man that can hold his own
against any one, as was clearly shown when Tripolines, captain of the team,
had posted for first place in the jump in the
F. C. A. A. A. A. meet held in the
Stadium last spring and was
splendidly placed as a possibility for the jum-
ping postion on the All-American track
team.
Practice is well under way, most of
the work at present being in the na-
ture of teaching, and a great deal of
the work this winter will be carried
out of doors. A rubbing list has
been compiled as a possibility for the jum-
ping postion on the All-American track
team.

FRATERNITY MEN.
All Fraternity men whose Frater-
nities are not represented at the In-
scription will please leave their names,
collage and fraternity at the office for
A. H. Atwater, Societies' Editor,
Techniques, 1913, before December 30.

FRATELLITY MEN.
All Fraternity men whose Frater-
nities are not represented at the In-
scription will please leave their names,
collage and fraternity at the office for
A. H. Atwater, Societies' Editor,
Techniques, 1913, before December 30.

THREE CONNECTING FRONT PRONT.

BARAHAN'S Ideal Cafe
15 Milk Street, 34th and 35th

Barahian's Ideal Cafe
(19th MASSACHUSETTS AVENUE)
EUROPEAN PLAN
Combination Breakfasts
and Table d'hotel Dinners
HOME COOKING QUICK SERVICE
Special Discount to Tech Students
$2.25 for $2.00
$3.50 for $3.00
OPEN FROM 4:30 A. M. TO 8:30 P.M.

SPECIAL NOTICE
The Tech has a limited supply of Durham Dup-
ex Demonstration like our--an exact model of the
Durham Duplex Razor. These can be obtained at Tech office
for 5 cents each, which

A. G. MORSE, Tailor
Owing to an open fall I will make all my $40.00 and $45.00
suits at $38.00 for thirty days.
13 BOYLSTON STREET, BOSTON, MASS.
Rooms 14 and 15
Telephone, Oxford 109

NEW YORK TIMES
RECTOR OF SHEPTON
770 BOSTON MARKET

LINDSAYS TURKISH BATHS $1.00
A. S. LINDSAY, Proprietor
J. J. CRAWFORD, Manager
UNDER TREMONT THEATRE
FOR MEN

Choice and private lessons for men and women in all branches of Gymnastics
and Dancing. Ladies' Swimming Pool. Rates to be for all
occasions. Send for Circulars. 