CROSS COUNTRY MEN AT HIGHLAND TODAY

Men To Leave Back Bay At Four-Thirty—Run Over The Tech Course.

The Hare and Hounds Club and all the members of the cross country squad will run over the Tech Course this afternoon and will leave Back Bay at 4.30. The course starts at Highland, West Roxbury, and finishes at the Highland Avenue School. (Continued on Page Three)

COSMOPOLITAN CLUB

Smoker Tonight In The Union—Foreign Men Invited.

This evening at eight o'clock in the Union, the Cosmopolitan Club will hold a smoker and social as its first meeting of the year. (Continued on Page Five)

MECHANICAL ENGINEERS

The first meeting of the Mechanical Engineering Society for this season will be held at eight o'clock this evening, when the members will meet as guests of the Boston branch of the American Iron and Steel Institute in the Engineers' Club Hall on the corner of Arlington street and Commonwealth avenue. The subject under discussion will be the measuring of the flow of fluids such as water, oil, steam and gas, that are employed in engineering practice. Slides of the more important types of apparatus will be shown and discussed by Dr. Frederick N. Coates, chief engineer of the Venturi, Department Builders' Iron Foundry Co., Providence, R. I.; Mr. E. L. Brown of the General Electric Co., Boston, and Mr. D. R. Yarnall, treasurer of the Yarnall-Waring Co., of Philadelphia.

INSTITUTE COMMITTEE

There will be a meeting of the Institute Committee in 5 Engineering C at 4 o'clock on Thursday afternoon.

TECHNIQUE NOTICE

Business Manager Shepard will meet all men who wish to come out for the competition for Assistant Business Manager of Technique 1916 in the Technique office today or tomorrow from 1.30 to 2.00 when he will be glad to explain the details of the work to any 1916 men who desire to compete.

ELECTRICAL ENGINEERS RECEIVED JUNIORS

Proposed List Of Trips Announced Last Night When Tech Professors Spoke.

The Electrical Engineering Society held a reception to the Juniors last night which was attended by Prof. Watson and the Professors. (Continued on Page Six)

SENIOR NOMINATIONS

Nomination For Officers Of Class Of 1915 Due Friday.

The Senior nominations are due at the Cape Saturday at a definite time which will be announced in Friday's issue of THE TECH. The officers of the class are Pres., Vice-President, Secretary, and Treasurer. (Continued on Page Five)

ATHLETIC MEETING

There will be an important meeting of the Athletic Association today in Room 8, Engineering C, at 5 p.m. All class representatives of last year and the captains and managers of the track, wrestling and hockey teams are requested to be present at this meeting.

MANAGING BOARD

A meeting of the Managing Board of THE TECH will be held today, Wednesday, at 3 p.m. in the Upper Office.

TALK ON INDIA

Dr. William Hunter and Mr. F. Bullock-Workman will speak before the Appalachian Mountain Club in Huntington Hall tonight, on their explorations of the Himal Glacier in Cashmere, India. The talk will be a record of explorations of great geographical and zoological interests. The talk is open to all Technology students.

MR. TOWSON TO SPEAK AT T. C. A. MEETING

Will Talk On "Human Side of Engineering" at Union Friday Noon.

Mr. Charles R. Towson, who is to be the first T. C. A. speaker this year, is the head of that department in Y. M. C. A. work which probably has more to do with college men than any other particular branch of the work. Under his supervision comes the introduction of foreigners and working men. Men from Columbus, Harvard, Williams, Brown, Pennsylvania, Northwestern and other colleges are teaching educational classes in labor unions, talking in many meetings, or smoking with other Y. M. C. A. workers. (Continued on Page Six)

MUSICAL CLUBS

Mandolin and Glee Clubs Hold Smoker Thursday Night.

The Musical Club rehearsals started yesterday with that of the Mandolin Club. The twenty-two men who were present entered into the work with enthusiasm and gave every promise of developing into a better club than ever. Leader King told the men that they might expect to cut soon and that in addition to good playing a regular attendance was very important.

This Glee Club has received music which will be practiced this afternoon. A meeting of the combined clubs will be held Thursday evening at 7.30 in the Union when free smokes and eats will be provided. Manager Abramson will tell the men the plans for the coming season. A chance will also be given for all members to sign the constitution.

GYM TEAM

Men interested in the formation of the gymnastic team will meet today at 5.30 in the Union. Candidates for this team will be excused from the regular gymnastic work. The men will report to Coach Kanasz Thursday at five o'clock for practice at the Gym.

TRACK NOTICE

Candidates for the office of assistant Varsity Track Manager are to meet today in the Track office at the Union both at one o'clock and at four. It is considered very essential that all candidates keep up in their studies as there have been times in the past when the question of scholarship has decided the appointment.

FRESHMEN WRESTLING

Candidates For Squad Report This Afternoon At Gym.

Beginning today, freshmen members of the wrestling squad are expected to report three times a week for practice. The regular afternoons are to be Monday, Wednesday and Friday from four to six. At these times, Mr. Gracy of the drawing department will be on hand to illustrate the different holds and supervise the practice. The men are supposed to work three hours a week and get excused from gym work by so doing if they make good. All men interested in wrestling are invited to practice until November first. At that time the squad is to be cut and elimination bouts held so that the best men make the team. Then these men become members of the regular squad and are excused from gym work for the rest of the year.

CALENDAR

Wednesday, October 7, 1914.
1:30—Candidates for Assistant Business Manager Technique. Technique Office.
4:00—1918 tug of War. Gym.
6:00—Freshman Wrestling Candidates.
6:00—Freshman Swimming Candidates.
7:30—Candidates for Athletic Association. Union.
8:00—Gymnasium Department.
The material in them cannot well be
obtained from other sources. Every
one of the organizers, will be
free to attend, and is requested to call
during his office hours.

We notice that a great many of the
freshmen are not attending the in-
teresting and instructive lectures on
personal hygiene given by Dr. Rock-
well in Huntington Hall. Thursdays,
four to five. These talks should
be well attended by all classes, for
the material in them cannot well be
obtained from other sources. Every
man should be willing to spend an
hour a week for a few weeks, in
learning something which will benefit
him materially all his life.

Candidates for Assistant Track
Manager, Track Office. One o’clock
and four.

Gym Team Practice starts to-mor-
row at five-thirty.

Engineering and Scientific Notes

The tungsten resources of the United
States are probably considered
larger than have been generally real-
ized. Many new deposits have been dis-
covered in various parts of the western
states, according to the United States
Geological Survey, and, should prices
advance, it is probable that the out-
put could soon be increased much
above the record year of 1910, when 2,941 tons were marketed. An Ameri-
can consul at Stockholm, Koren, states
operation has been begun in the rich
tungsten mines in the eastern part of
Omobin. The estimated value of the
ore is $400 per ton.

It is understood that the organiza-
tion committee of the International
Electrical Congress has recom-
mented an immediate postponement. The
Congress was to have been held at San
Francisco next year during the Para-
mas-Pacific Exposition. No announce-
ment of the postponement can be
made until the ratification of the organi-
ization committee by the Board of Directors
of the American Institute of Elec-
trical Engineers at its regular October
meeting.

Professor Deluere, medical inspec-
tor-general of the French Army, re-
ports that an electromagnet, having
lifting power of more than 2500
pounds, is successfully used in ex-
tracting bullets, with or without
anesthesia, at a distance of over four
inches from the surface.

It has been estimated that the
waterfalls of Sweden are capable of
developing 6,000,000 horsepower, of
which only about one-sixth is now
utilized in hydroelectric plants.

Faculty Notices

Second Year German, Course 1,
Section 2—It is necessary to
change the exercises in German for
Section 2 of Course 1 back to the
original hour of Monday at 2 p. m.

Elementary French—The
hours for the course will be Monday
9:00, Wed., 12:00, Thurs., 3:00. Rooms
announced on Lowell Bulletin.

Lectures on Internal Com-
bustion Engines—A series of
lectures on internal combustion en-
gines will be given by Professor Riley
in Room 30, E. B. on Wednesday
afternoons at 2 o’clock, beginning Oc-
tober 7.

This course is open only to stu-
dents who have completed one of the
Institute’s regular third year courses
in Heat Engineering, or the equiv-
calent thereto. Registration not re-
quired.

Consultation Hours—Stu-
dents wishing to consult the Secre-
tary (Professor A. L. Merrill) are re-
quested to call during his office hours,
which are from 1:30 to 2:30
p.m. on Mondays, Wednesdays and
Fridays, and from 10:30 to 11:30 on
Tuesdays and Thursdays.

Technique. 1:30 p.m. Technique
Office.

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vidual shopping need may be, come here with
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I am prepared to do plain laundry
at reasonable prices. I will call
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O. L. LANDSING,
STUDIO, 170A TREMONT ST.
Coach of M. I. T. Mandolin and
Banjo Clubs for 15 years.
SHOW COMPETITION
(Continued from Page One)

competition will start immediately. Its duration will depend largely upon the number and ability of the men who come out.

Experience is not necessary, as the competitors will be judged by the same standard as the men to whom they perform the work assigned them. All members of the class of 1912 are eligible. Anyone interested who is unable to be at the Show office Friday between the hours of one and two should leave a note there for Manager Lucas.

HARE AND HOUNDS
(Continued from Page One)

at the old Tech Field where the men go around the oval course, making a distance of about four and a half miles. The dressing rooms at the Field are not at the disposal of the team but arrangements have been made with the Brookline gymnasium and the squad will jog there after the finish of the run where showers will be at their disposal. All men are to take suitcases so that clothing can be transported to Brookline, where they will find it waiting for them.

The fare, including the cost of bringing the suit cases from Highland to Brookline will be twenty-five cents. Tickets can be obtained from the chase captain at the train. Hare and Hound Club dues of fifty cents can also be paid to the chase captain at that time. Dues must be paid before men can run in the handicap cup race at Wakefield which may be held next Saturday.

TENNIS DRAWINGS
The following are the drawings for the Tennis Tournament, which were omitted on account of lack of space in yesterday's issues: M. P. Curtis '16 vs. H. McRobbie '17; J. H. Sturges '17 vs. A. W. Mack '15; L. H. Groves, Jr., '18 vs. E. C. Laryng, '18; D. A. Tuttle '17 vs. E. H. Woodbridge '16; C. W. Howlett '15 vs. J. Gove '15; H. W. Hollimson '16 vs. E. M. Hayden; D. Kendall '18 vs. E. S. Parsons '18; L. S. Chalk '18 vs. W. F. Sprague '18; J. E. Sullivan '18 vs. W. C. Foster '18; J. B. Bar '17 vs. W. A. Puterrell '17; H. W. White '17 vs. L. Stone '16; H. B. Wilson '16 vs. J. L. Kingsbury '16; P. M. Dinke '16 vs. K. D. Sewall '17; F. A. Bemblesham '18 vs. J. C. Richardson '17; I. McDaniels '18 vs. H. V. Kaler '18; T. C. Eveleth '18 vs. H. R. S. Stewart '18; G. B. Smith '18 vs. L. J. Bengston '18; H. H. Bangs '18 vs. O. W. Hall '18; P. S. Hubbard '18 vs. C. E. Low '18; R. R. Cleveland '18 vs. A. K. Atkins '17; R. O. Lowengard '17 vs. J. B. Whit '17.

SPECIAL
Two nicely furnished rooms from the residence of the late Mr. and Mrs. S. C. Rice, will be open for inspection. The rooms are the same as in the old Tech Union Dining Room.

STATISTICS ON SCHOLARSHIPS GIVEN OUT
One Student Out Of Five And One-Half Aided By A Scholarship Grant.

In view of the prominence given to scholarships at Technology by the discussion of the matter in Cambridge, the recent report of the Committee on Scholarships with its statistics becomes a matter of present interest. It is interesting to realize, for example, that one student out of every five and one-half is aided by a scholarship. In view of the large figures in many that come to so many within a few years of graduation, such statistics are of great value for a gauge of the capital that an education in a technical college represents. In the past year the sum of money expended by the Institute is nearly $25,000.

The number of grants has increased a little more rapidly than the total registration of students. In 1907-08 approximately one student in every six received a grant, and in 1912-13 the proportion was one to every five. It may be thought that this increase has been due to a lowering of standard by the scholarship committee, but such suggestion is not true. The amounts awarded from Institute funds for this purpose have increased from $20,437 in 1907-08 to $22,652.50 in 1912-13.

Thirteen per cent of the scholarships in 1912-13 were granted to freshmen. It has occasionally been questioned whether it is prudent to give such aid to first-year students. As throwing light on this question the committee says that there is some risk in selecting students early in the course, but examination of the records show that the judgment of the committee, on the whole, has not been misplaced. Of the 17 freshmen in the class of 1912 who received some aid in the year 1912-13, all but one graduated. The exception left during the first term of his third year in good standing as far as his studies were concerned. And so in the class of 1912, there were 25 freshmen aided from the Institute funds; and of these 23 graduated. As evidence of the efforts of the committee to maintain a high standard of scholarship as a condition of receiving a grant, 13 of the awards for the second term were made subject to good records to be secured during the first term. Eleven of these students fulfilled the conditions.

FRESHMAN FOOTBALL
Twenty-five freshmen reported for football practice at the Y. M. C. A. field yesterday. The team was put through a sharp scrimmage, and the coach was pleased with the way his fellows are worked. He thinks that the material is very good and now that the men are reporting regularly expect results that will be gratifying in the next several weeks. The acting manager would like to see twelve as many men out for the team, and would like any fellow who can play football to report to him at the gymnasium.

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WARMEST GREETINGS TO OUR OLD FRIENDS AT TECH
upon their return—and best wishes to all newcomers.

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A SPECIAL DISCOUNT OF TEN PERCENT TO ALL TECH MEN.

L. PINKOS, Tailor
COSMOPOLITAN CLUB
(Continued from Page One)

Prof. Robinson of the English Department will be the chief speaker of the evening; Dean Burton and Prof. Seaver will also give short talks.

The main idea of the social is to welcome the new foreign students at the Institute, and to give them an opportunity of meeting the other students from foreign lands. American students are also invited to be present and assist in making the affair a success.

The officers of the club hope that a large majority of the new men will take this opportunity to come out and acquaint themselves with the good fellowship open to members of this society.

Candidates for Assistant Business Manager.

T. C. A. MEETING
(Continued from Page One)

leading clubs of working boys. There are now 3500 students from 160 colleges engaged in forty varieties of volunteer service for industrial men and boys.

It is this work, bringing him into contact with both the college man and the working man, that enables Mr. Towson to present a subject of interest to all engineering students. Mr. Towson's talk will be on "The Human Side of the Engineering Profession" and will take place in the Union Friday at one-thirty p.m.

Should any professional society desire to secure Mr. Towson as a speaker, Mr. Cushman in the T. C. A. office will be glad to give them any information on the subject.

1918 Tag of War. Gym. 4 o'clock.

"Bull" Durham an International Favorite

Men prominent in the social, business and public life of many nations find supreme tobacco satisfaction in the deliciously fresh, mild cigarettes of unique flavor they roll for themselves, to their individual liking, from "Bull" Durham tobacco. Their distinguished example has made it correct, smart, fashionable to "Roll Your Own" upon every occasion.

GENUINE "Bull" Durham Smoking Tobacco

There is no purer, milder tobacco in the world than "Bull" Durham—none other with such a sweet, mellow, irresistible fragrance. This rare, balmy aroma is as delicate and elusive as it is distinctive and pleasing, and can only be retained and enjoyed in the fresh-rolled cigarette. "Bull" Durham hand-made cigarettes afford wholesome enjoyment and lasting satisfaction to more millions of men than all other high-grade smoking tobaccos combined.

FREE An illustrated booklet, showing how to "Roll Your Own" Cigarettes and a Book of cigarette papers, will both be mailed to you free on postal request. Address "Bull" Durham, Durham, N.C., Room 1293.

THE AMERICAN TOBACCO COMPANY

T. C. A. MEETING
(Continued from Page One)

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CIVIL ENGINEERING SOCIETY MEETS FRIDAY

Smoker To Be Held In Union—Prof. Swain Of Harvard Will Speak.

The first meeting of the Civil Engineering Society will be a smoker to be held in the Union on Friday evening, October 16th, at 8 p.m. The speaker of the evening will be Prof. George F. Swain, head of the Civil Engineering Department of Harvard University, and formerly in a similar position at the Institute. The subject will be The Harvard Side of the New Tech Alliance, with special reference to Civil Engineering. Mr. Swain will be introduced by Prof. Spofford after the regular business of the meeting has been transacted. About seventy-five new men are to be voted in, and the question of changing the size of the pin will be brought up.

After the meeting refreshments will be served in the small rooms of the Union. Smokes will of course be circulated throughout the meeting. Arrangements have been made for about a hundred men, and all interested are invited by the Society to attend.

CHESS CLUB MEETING

Officers For The Year Elected At Meeting Friday.

On last Friday afternoon a meeting of the Chess Club took place. The following officers for the coming year were elected: President, D. C. Woodbridge, '16; Vice-President, J. A. Tober, '15; Secretary-Treasurer, E. H. Newmann, '15. The following men comprise the Executive Committee: D. E. Woodbridge, '16, J. A. Tober, '15, E. H. Newmann, '15, C. Dean '16, T. H. Johnston, '15, and Johannesburg '15.

This year Technology will have an exceptionally strong team as only one man was lost through graduation. Matches are to be arranged with Harvard, Brown and Tufts.

Hares and Hounds. Leave Back Bay at half past four.

(Electricals meet (Continued from Page One)

Society. After the report of the Executive in announcing the future of the exchange between the E. E. Society and the Civils, in the matter of invitations to trips, etc.

Mr. Nelson, Chairman of the Entertainment Committee gave a list of the prominent men who are to address the society this year, and requested that men of the upper classes who are doing research work would speak at the meetings.

Neckties for Vice-President and Treasurer are due at 4 o'clock Tuesday, October 20. Prof. Jackson told of the great value of joining the Society. Prof. Kennedy, Director of the Research Department, spoke of the work of the Research Department and other matters. Following the speaking refreshments were served.

A provisional list of the trips to be taken this year was announced, including the following places: the General Electric Company at Lynn, the Watertown Arsenal, the Fore River Ship Works, the Boston Telephone Exchange, the Simplex Company, the Robbins Engineering Company, the Bell Works at South Framingham, the Holmes Cabinet Plant, the Interlocking Switch System of the B & A at the South Station, the Stewart Street Sub-Station, the O Street Station of the Boston Elevated, a battleship at the Navy Yard, the Wood Textile Mill at Lawrence, and a one-day trip to Worcester with a visit to the Stewart Railway Company, the American Steel and Wire Company, and the Connecticut River Power Plant at Clinton.

GLEE CLUB MEETING

The Glee Club held a short business meeting at the Union yesterday afternoon, at which the parts were given out and the time for rehearsals set for Monday and Wednesday at 5:00. Notice was given of the Combined Musical Clubs Smoker Thursday night at the Union, when Abrams '15, the General Manager, will outline the February trip of the Glee Club.

THE TECH MEANS HATS

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